PETROGLYPH

Petroglyph Energy, Inc. 6209 North Highway 61 Hutchinson, Kansas 67502

Phone 316-665-8500 Fax 316-665-8577

SUBMITTAL OF AMMENDMENT TO

EPA

UNDERGROUND INJECTION

CONTROL

PERMIT APPLICATION

UT2736-00000

2/6/98

BOOK 1 OF 2

PETROGLYPH

Petroglyph Energy, Inc.
6209 North Highway 61
Hutchinson, KS 67502

P.O. Box 1839
Hutchinson, KS 67504-1839

316 665-8500
316 665-8577 fax

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EPA REGION VIII
DRINKING WATER BRANCH

February 6, 1998

Mr. Chuck Williams
U.S. Environmental Protection Agency
UIC Implementation Section, 8MW-DW
999 18th Street, Suite 500
Denver, Colorado 80202-2446

RE: Submittal of request for amendment
Underground Injection Control
Permit Application UT2736-00000
Duchense, County Utah

Dear Mr. Williams,

Petroglyph Energy, Inc. hereby submits a request to amend the existing Permit Application UT2736-00000 to include additional lands adjacent to the Antelope Creek Field. Information is enclosed in two 3" ring binder notebooks. A map and a list of the amended lands is enclosed in Book 1 of 2 and Book 2 of 2. The enclosed map shows the lands and all wells. Wells within a ¼ mile radius of the amended lands are also shown.

Downhole diagrams, well completion data, and cement bond logs are enclosed for your review for 28 wells. Water analysis data is also enclosed if available. Please note that cement bond logs and water analysis is not available for each of the 28 wells. However, enough data is available to be representative of the wells in the area. If you have any questions regarding the enclosed information, please call me at 316-665-8500.

Sincerely Yours,

Ralph L. Nelms

Ralph L. Nelms
Manager of Engineering Development

TABLE OF CONTENTS

AMENDMENT TO ANTELOPE CREEK WATER FLOOD AREA
LIST OF WELLS WITHIN THE AMENDED AREA

WELL NAME AND NUMBER	STATUS	SECTION	TOWNSHIP RANGE	FOOTAGE OF SPOT LOCATION
BOOK 1 OF 2				
UTE TRIBAL # 01-21 D3	T/A	21	4S-3W	660' FSL 786' FWL
UTE TRIBAL # 01-25	P/A	25	4S-3W	811' FNL 659' FEL
UTE TRIBAL # 11-25	POW	25	4S-3W	1970' FSL 1922' FWL
UTE TRIBAL # 01	P/A	26	4S-3W	C NE SW (Footage not available)
UTE TRIBAL # 02-27 BL	P/A	27	4S-3W	2000' FSL 2000' FWL
UTE TRIBAL # 01-27 D3	T/A	27	4S-3W	1952' FSL 818' FWL
UTE TRIBAL # 01-28 D3	T/A	28	4S-3W	2064' FSL 660' FEL
UTE TRIBAL # 02-28 BL	P/A	28	4S-3W	2100' FSL 2150' FEL
UTO4422 UTE TRIBAL # 33-08 D3	Waiting on Completion	33	4S-3W	1848' FNL 782' FEL
UTE TRIBAL # 33-09 D3	POW	33	4S-3W	2008' FSL 553' FEL
UTO4421 UTE TRIBAL # 33-10 D3	POW	33	4S-3W	1979' FSL 1980' FEL
UTE TRIBAL #33-11 D3	POW	33	4S-3W	1980' FSL 1980' FWL
UTO4420 UTE TRIBAL #33-14 D3	POW	33	4S-3W	660' FSL 1780' FWL
UTE TRIBAL #33-15 D3	POW	33	4S-3W	597' FSL 1818' FEL
UTO4423 UTE TRIBAL #33-16 D3	WDC	33	4S-3W	662' FSL 737' FEL

Book 2 OF 2

UTE TRIBAL #34-05 D3	POW	34	4S-3W	1900' FNL 725' FWL
WELLS DRAW #04-30	P/A	30	4S-3W	659' FNL 578' FWL
CODY FEDERAL #02-35	P/A	35	8S-15E	630' FNL 1986' FEL
WELLS DRAW ST. #04-02	P/A	2	9S-15E	1014' FNL 500' FWL
UTE TRIBAL #03-04	POW	3	5S-3W	360' FNL 460' FWL
UTE TRIBAL #04-01A	POW	4	5S-3W	660' FNL 660' FEL
UTE TRIBAL #04-02	INJECTION WELL	4	5S-3W	660' FNL 1970' FEL
UTE TRIBAL #04-03	POW	4	5S-3W	748' FNL 1970' FWL
UTE TRIBAL #04-04	POW	4	5S-3W	1205' FNL 660' FWL
UTE TRIBAL #05-01	SHUT IN	5	5S-3W	702' FNL 549' FEL
BC UTE TRIBAL #12-01	P/A	1	5S-4W	2022' FSL 626' FWL
BC UTE TRIBAL #16-02	POW	2	5S-4W	777' FSL 644' FEL
GULF / IRONWOO #12-05	POW	12	5S-4W	2273' FNL 564' FWL
UTE TRIBAL #12-11	POW	12	5S-4W	2086' FSL 2186' FWL
PINON FEDERAL #01	P/A	5	6S-3W	584' FNL 2009' FWL

LIST OF LANDS WITHIN THE ANTELOPE CREEK FIELD
AMENDED WATER FLOOD AREA

TOWNSHIP	RANGE	SECTION	DESCRIPTION
4S	3W	20	NENE, SENE, NESE
4S	3W	21	ALL
4S	3W	22	ALL
4S	3W	25	E/2, NW, S/2SW, ~~W/2NW~~ NW/SW.
4S	3W	26	ALL
4S	3W	27	ALL
4S	3W	28	ALL
4S	3W	29	SENW, E/2SE, SWSE, SESW
4S	3W	31	W/2, NWNE, S/2SE, NESE
4S	3W	32	E/2, SW, S/2NW, NENW
4S	3W	33	ALL
4S	3W	34	ALL
4S	3W	35	ALL
4S	3W	36	ALL
4S	4W	25	S/2
5S	4W	1	ALL
5S	4W	12	ALL
5S	4W	36	ALL

Ute Tribal # 01-21 D3
Wellbore Diagram
Wildcat (Inactive)

Well History:
12/20/82 Spud Well: Drilled to 3200'
7/26/84 Re-completed: Drilled to 7400'

Well Status: Inactive, Last production 12/87

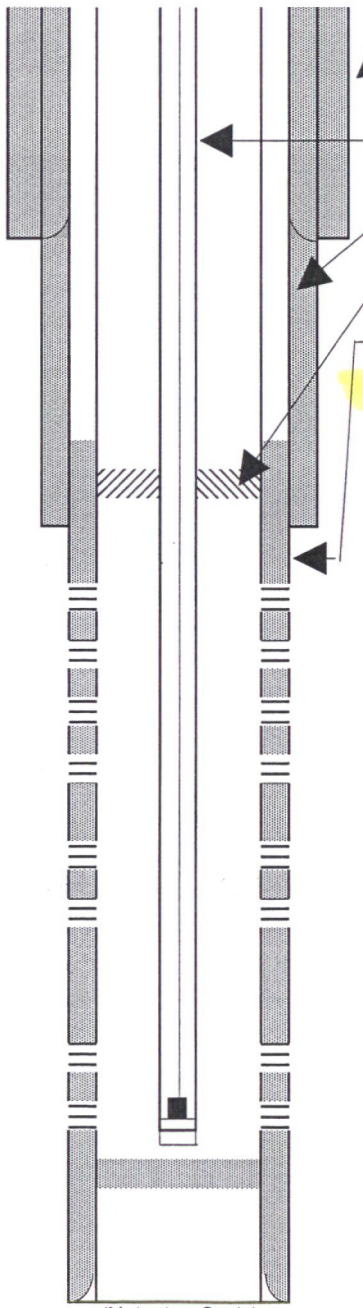
No USDW was logged in the Uinta formation.

No USDW was logged in the Green River formation.

See exhibit:
"Dwights Discover"
Dated 02/02/98

Well drilled by Gulf Oil Corp.
Completed as an oil well.

Last Production was in 12/1987



(Not to Scale)

KB: 5704

10 3/4" Surface csg @ 1499 KB cmt'd w/ 500 sxs.

Tubing @ 171 Jts. of 2 7/8" 6.5# J-55 @ 5313' KB

7" Csg @ 3200' cmt'd w/ 725 sxs.

Tubing Anchor @ 4168'

4 ½" Liner csg @ 2226 to 7152 cmt'd w/ 480 sxs.

Perf's:

- Green River Formation
  - 2592 to 2619'
  - 2624 to 2631'
  - 2635 to 2647'
  - Treated w/ 5000 gal.
- Green River Formation
  - 4282 to 4294'
  - 4464 to 4472'
  - 4540 to 4544'
  - 4740 to 4748'
  - 4786 to 4790'
  - 4856 to 4862'
  - 5010 to 5016'
  - 5126 to 4132'
  - 5270 to 5276'
  - 5546 to 5554'
  - Treated w/ 10,000 gal. acid.
- Green River Formation 5626 to 5638'
  - Treated w/ 21,300 gal. 54, 500 lbs sand.
- Green River Formation
  - 6088 to 6102'
  - 6154 to 6166'
  - 6390 to 6399'
  - Treated w/ 58,400 gal. 154, 500 lbs sand.
- Wasatch Formation
  - 6660 to 6668'
  - 7008 to 7022'
  - Treated w/ 39,872 gal. 103,500 lbs sand.

No ISIP's were logged
PBTD @ 5610
TD: 7152' KB

Gulf Oil Corp.
Ute Tribal # 01-21 D3 (660' FSL & 786' FWL) SW SW Section 21 - 4S - 3W Wildcat Field Duchesne Co. Utah
API #43-013-30711

Dwights Discover CD-ROM
Copyright 1998 Rockies

ID: R-127739-0 Original
Run Date: 2-Feb-98

State : Utah US Merid 4S - 3W - 21 sw sw

County: DUCHESNE Oper: GULF OIL CORP

Field : WILDCAT Compl: 10/17/1984 W O OIL

Well: UTE TRIBAL 1-21 #D3 Last Info: 08/03/1988
Ftg: 660 fsl 786 fwl
Lat-Long by TDG: 40.114914 - 110.233902
Oper Address: PO Box 2619, Casper WY 82602
Obj: 3200 Green River Permit #: 11/12/1982 API: 43-013-3071100
Elev: 5704KB

Spud: 12/20/1982
TD: 7400 on 07/26/1984 Wasatch PB: 5610

Elev: 5704KB FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)
(Source: H=Dwights,I=IOG,T=Govt,S=Shell,U=USGS,R=NRIS
M=Munger,N=NDGS,B=Boyd,G=GDS,X=Proprietary)

Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
upr Green River	1370	4334	L H	Wasatch	6712	-1008	L H
lwr Green River	4210	1494	L H				

Notes : (Drld to 3200 in Jan. 1983, perf'd Green River 2592-2647 but well was uneconomical to produce and temporarily abandoned. Drld to 7400 in July 1984)

Casing: 10 3/4 @ 1499 w/500 - 7 @ 3200 w/725 - 4 1/2 lnr @ 2226-7152 w/480
Core : #1 2345- 2405 (Green River)
cut 60 rec 50
#2 2405- 2432 (Green River)
cut 27 rec 11
#3 2432- 2466 (Green River)
cut 34 rec 31.5
DST : None reported
Logs : DIL-SFL LDT-CNL EPT
Tubing: 2 7/8 @ 4200 w/pkr @ 4168
Perfs : 2624-2647 (Green River)
w/4 JSPF @ 2635-47 2624-31 2592-2619 - trtd w/5000 gal diesel w/add - isolated by liner
6660-7022 (Wasatch)
w/2 JSPF @ 7008-22 6660-68 - frac w/39,872 gal Versagel HT 1500/1400

103,500# 20/40 sd - CIBP @ 6630
6088-6399 (lwr Green River)
w/2 JSPF @ 6088-6102 6154-66 6390-99 - frac w/58,400 gal Versagel HT

1500/1400 154,500# 20/40 sd -CIBP @ 6050
5626-5638 (Green River)
w/4 JSPF - frac w/21,300 gal Verasagel HT 1500/1400 59,000# 20/40 sd -

CIBP @ 5610
4282-5554 (Green River)
w/1 JSPF @ 5546-54 5270-76 5126-32 5010-16 4856-62 4786-90 4740-48

Continued

Dwights Discover CD-ROM
Copyright 1998 Rockies
ID: R-127739-0 Original
Run Date: 2-Feb-98

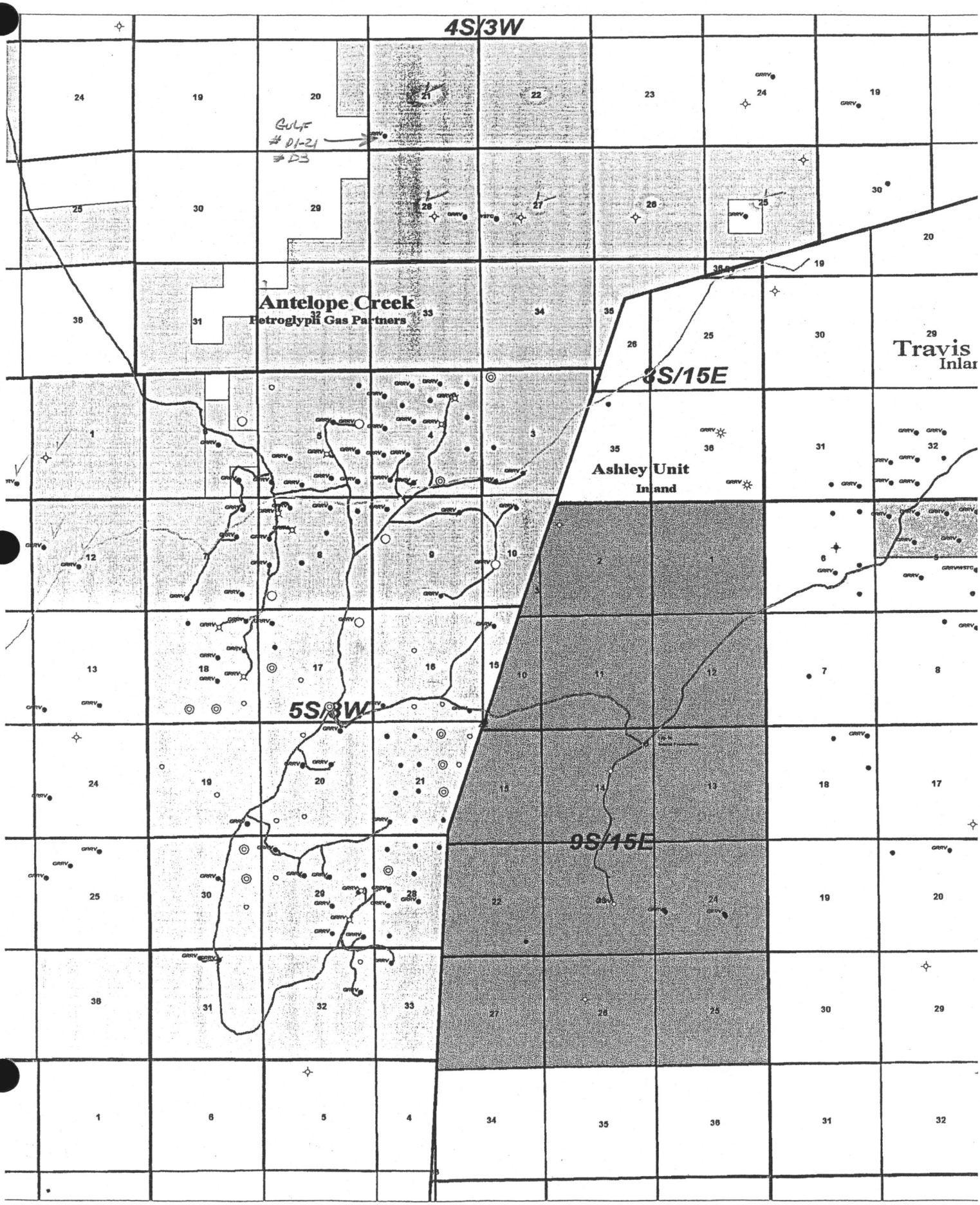
State : Utah US Merid 4S - 3W - 21 sw sw

County: DUCHESNE Oper: GULF OIL CORP

Field : WILDCAT Compl: 10/17/1984 W O OIL

Continued

Perfs :
4540-44 4464-72 4282-94 - acid w/10,000 gal 15% HCl
PZone : 4282-5554 (Green River)
IP : F 60 BOPD, 2 BWPD (Operator's Rpt); F 60 BOPD grav 35, 116 MCFGPD on 2 in ck, 2 BWPD, FTP 64 (Final Rpt)
Journl: 1/11/83 drilled - WOCT - no info available.
2/23/83 SI pending construction of tank battery.
3/11/83 pending construction of tank battery.
3/24/83 WO construction of tank battery.
3/29/83 WO tank battery.
7/8/83 installing pump.
7/12/83 running in w/rods.
7/19/83 perfd Green River, rec oil.
7/22/83 SI pending btm hole pressure build up.
7/26/83 pump tstg Green River.
7/29/83 pump tstg Green River, rec oil.
8/3/83 SI, pending evaluation.
8/16/83 SI for evaluation.
9/14/83 SI pending evaluation.
10/5/83 SI pending evaluation.
11/11/83 SI pending evaluation.
12/13/83 SI pending evaluation.
1/4/84 SI pending evaluation.
2/27/84 SI pending evaluation.
4/2/84 SI, WO evaluation.
5/15/84 SI pending evaluation.
6/5/84 SI pending evaluation.
7/13/84 SI pending evaluation.
9/26/84 flow testing Green River; rec oil.
10/3/84 flow testing Green River.
10/10/84 flow testing Green River.
11/8/84 completed oil well.


4S/3W
GULF
#D1-21
#D3
Antelope Creek
Petroglyph Gas Partners
8S/15E
Ashley Unit
Inland
Travis
5S/3W
9S/15E

For _____

Page _____
Date _____
By _____

GR/RIV.

2592 TO 2619
2624 TO 2631
2635 TO 2647

5000 GAL DIESEL

4282 TO 4294
4464 TO 4472
4540 TO 4544
4740 TO 4748
4786 TO 4790
4856 TO 4862
5010 TO 5016
5126 TO 5132
5270 TO 5276
5546 TO 5554

10,000 GAL.
15% ACID

(60 BOPD, 116 MCF
2 RW 2" CK FTP 64)

CIBP @ 5610

5626 TO 5638 21,300 GAL 59000# SD

CIBP 6050

6088 TO 6102
6154 TO 6166
6390 TO 6399

58400 GAL 154,500# SD

CIBP 6630'

WASATCH

6660 TO 6668
7008 TO 7022

59,872 GAL 103500# SD.

PS-720

Ute Tribal # 01-25
Wellbore Diagram

Well History:

05/04/84 Spud date

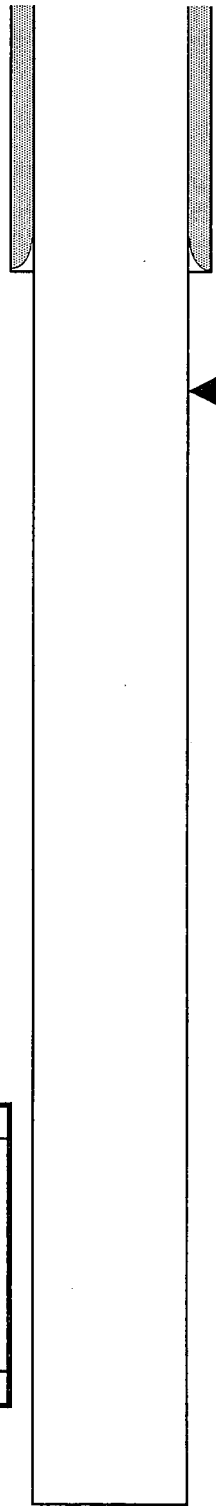
06/07/84 Completion date

Well Status: Plugged and Abandoned

No USDW was logged in the Uinta formation.

No USDW was logged in the Green River formation.

See exhibit: "Dwights Discover." Dated 02/02/98. Well drilled by Lomax Exploration, Inc. Completed as a dry hole.



KB: 5590

Surface Hole Size 12 1/4"

8-5/8" 24# J-55 Surface Csg @ 280' KB cmt'd w/ 210 sxs.

Hole Size 7 7/8" bit

TD @ 6500' KB

not to scale

Lomax Exploration Inc.
Ute Tribal # 01-25 (811' FNL & 659' FEL) NE NE Section 25-4S-3W Myton Bench South Field Duchesne Co, Utah
API # 43-013-30769

Dwights Discover CD-ROM
Copyright 1998 Rockies

ID: R-130401-0 Original
Run Date: 2-Feb-98

State : Utah US Merid 4S - 3W - 25 ne ne

County: DUCHESNE Oper: LOMAX EXPL CO

Field : MYTON BENCH SOUTH Compl: 06/07/1984 D D P&A

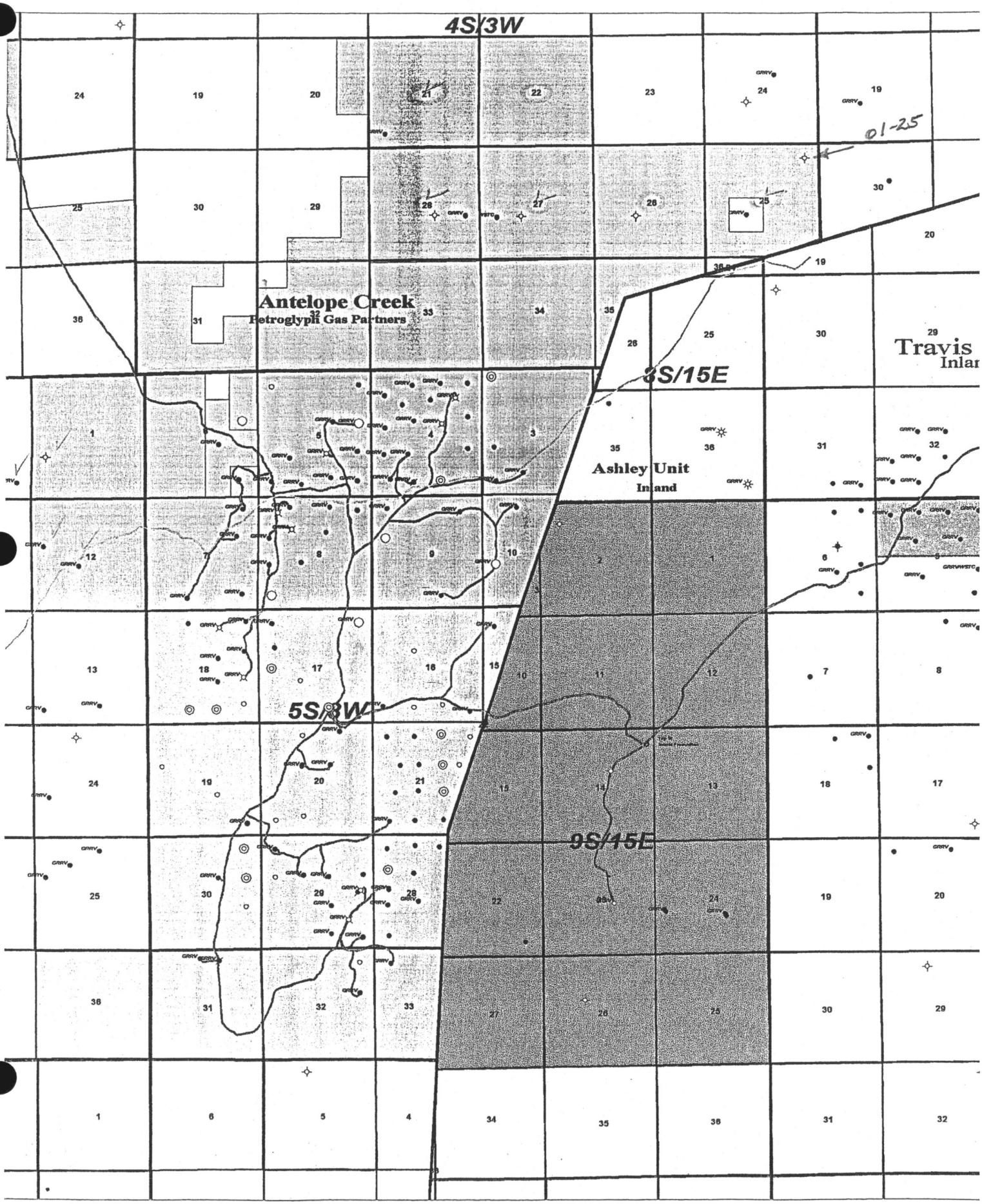
Well: UTE TRIBAL #1-25 Last Info: 01/04/1986
Ftg: 811 fnl 659 fel
Lat-Long by TDG: 40.110870 - 110.163116
Oper Address: PO Box 1446, Roosevelt UT 84066 - 801/722-5103
Obj: 6500 Wasatch Permit #: 05/23/1983 API: 43-013-3076900
Elev: 5590KB

Spud: 05/04/1984 Contr: TWT #55
TD: 6500 on 05/15/1984

Elev: 5590KB FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)
(Source: H=Dwights, I=IOG, T=Govt, S=Shell, U=USGS, R=NRIS
M=Munger, N=NDGS, B=Boyd, G=GDS, X=Proprietary)

Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
Douglas Creek	5236	354	L H	Black sh facies	5970	-380	L H

Casing: 8 5/8 @ 280 w/210
Core : None
DST : #1 3000- 3502 (Green River)
op 10 si 60 op 90 si 120. Rec 1344 ft HGCM; Smplr: 217 CFG @ 350 psi
1050 cc mud. FP 148-210 262-491 SIP 1513-1540
Logs : DLL-MSFL CDL-CNL
Journl: 5/10/84 drlg ahead; no depth reported.
6/12/84 drld; no further details available.
6/20/84 plugged & abandoned.
7/3/84 (ftg chngd from 661 fnl 659 fel).


4S/3W
Antelope Creek
Petroglyph Gas Partners
8S/15E
Ashley Unit
Inland
Travis
5S/8W
9S/15E
01-25

Ute Tribal # 11-25
Wellbore Diagram

Well History:
5/22/83 Spud Well
8/14/83 First Production

Well Status: OIL Well

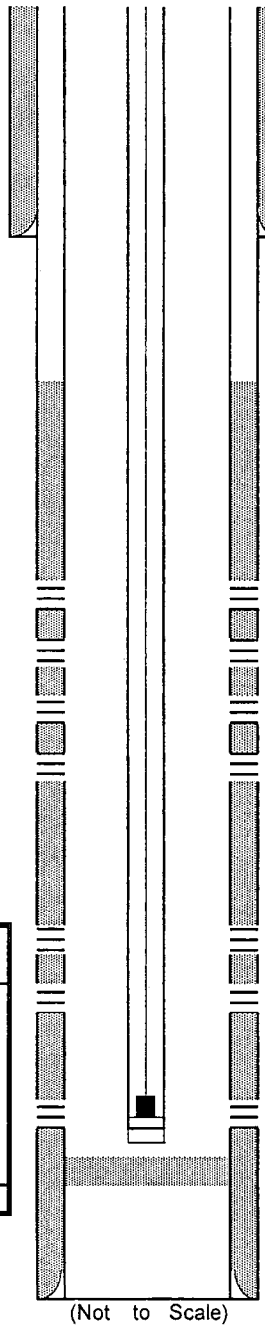
No USDW was logged in the Uinta formation.

No USDW was logged in the Green River formation.

See exhibit:
"Dwights Discover," dated 02/02/98

Well drilled by Lomax Exploration Inc.
Completed as an oil well.
Present operator: Uinta Oil & Gas.

Cumulative production:
July 97: 2684 bbls oil
8076 MCF



GL: 5621

8 5/8" 24# J55 Surface csg @ 238' KB with 210 sxs.

Surface hole size : 12 ¼"

Hole size: 7 7/8" bit

5 ½" 15.5 J55 csg @ 6621' KB cmt'd with 825 sxs

Perf's:
- Green River Formation 5110 to 5121'.
- Green River Formation 5142 to 5147'.
  - Fraced w/ 26,500 gal. & 88,000 lbs. sand.
- Green River Formation 6084 to 6102'.
  - Fraced w/ 50 bbls KCl water.
- Green River Formation 6165 to 6172'.
- Green River Formation 6175 to 6195'.
  - Fraced w/ 34,500 gal. & 119,500 lbs. sand.

TD: 6625' KB

(Not to Scale)

Uinta Oil & Gas, Inc. Drilled By: Lomax Exploration
Ute Tribal #11-25 (1970' FSL & 1922' FWL) NE SW Section 25 - 4S - 3W Myton Bench South Field Duchesne Co. Utah
API #43-013-30743

Dwights Discover CD-ROM
Copyright 1998 Rockies
ID: R-129375-0 Original
Run Date: 2-Feb-98

State : Utah US Merid 4S - 3W - 25 ne sw

County: DUCHESNE Oper: LOMAX EXPL CO

Field : MYTON BEACH SOUTH Compl: 08/14/1983 W O OIL

Well: UTE TRIBAL #11-25 Last Info: 08/14/1995
Ftg: 1970 fsl 1922 fwl
Lat-Long by TDG: 40.103912 - 110.172958
Oper Address: PO Box 1446, Roosevelt UT 84066 - 801/722-5103
Obj: 5700 Wasatch Permit #: 03/02/1983 API: 43-013-3074300
Elev: 5621GR

Spud: 05/22/1983 Contr: Orion Rig #: 1
TD: 6625 on 06/02/1983 Wasatch PB: 5404

Elev: 5621GR FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)
(Source: H=Dwights,I=IOG,T=Govt,S=Shell,U=USGS,R=NRIS
M=Munger,N=NDGS,B=Boyd,G=GDS,X=Proprietary)

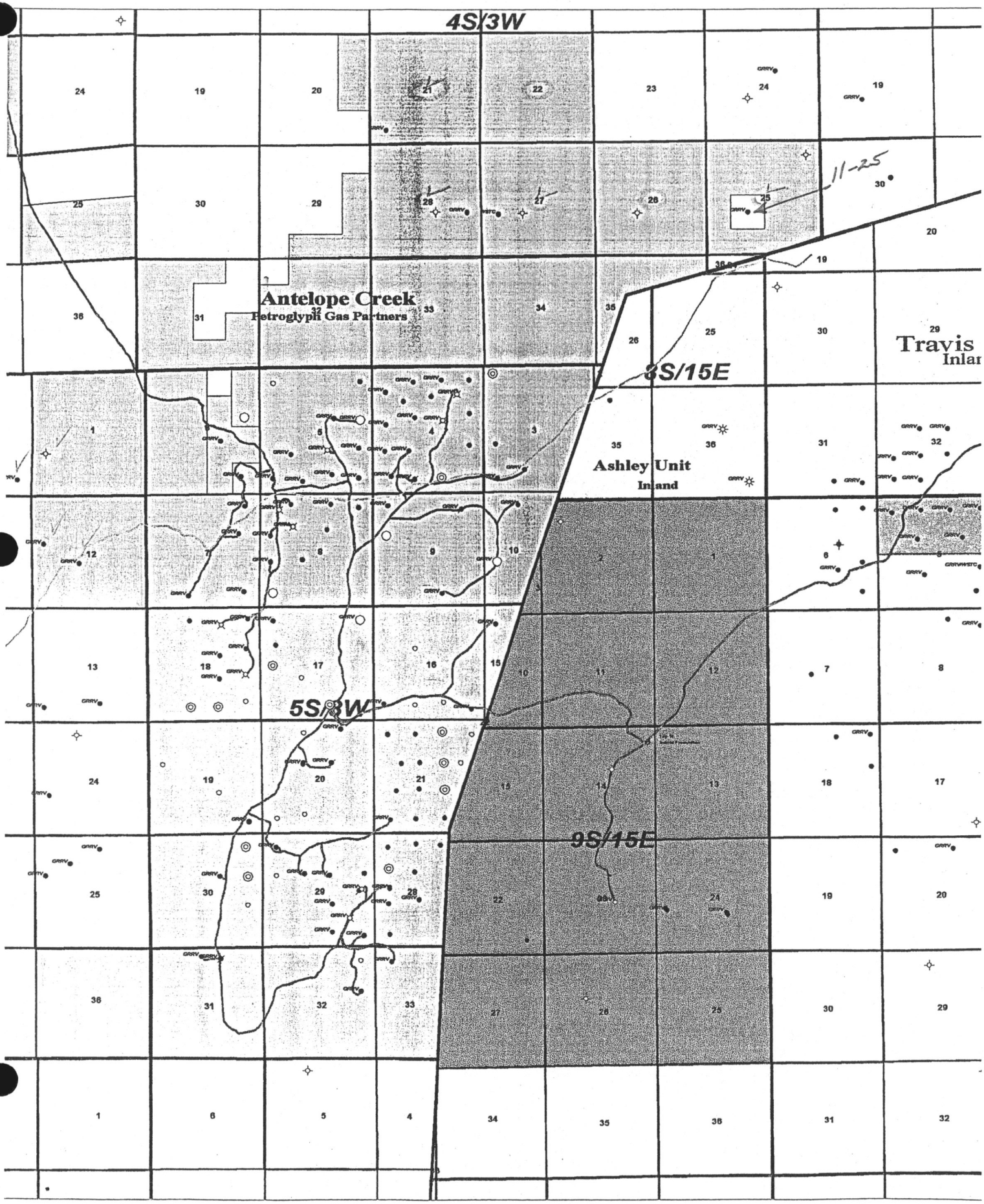
Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
Garden Gulch	4019	1602	L H	Black sh facies	5848	-227	L H
Douglas Creek	5080	541	L H	bs Green River	6422	-801	L H
Douglas Creek B	5486	135	L H				

Notes : (DISCOVERY well for Myton Beach South field)
(Operator removed BP @ 5404, & Retested Aept 24, 1986)

Casing: 8 5/8 @ 238 w/210
5 1/2 @ 6621 w/825
Core : None
Log : CNL-LDL DLL
Perfs : 6165-6195 (Green River)
w/1 SPF @ 6165-6172, 6175-6195 - frac w/34500 gal gel KCl wtr 119500#
20/40 sd
6084-6102 (Green River)
w/1 SPF - trt w/50 bbl 5% KCl wtr -- BP @ 5404
5110-5147 (Green River)
w/1 SPF @ 5110-5121, 5142-5147 - frac w/26500 gal gel KCl wtr 88000#

20/40 sd
PZone : 5110-5147 (Green River)
gross interval
IP : (Green River 5110-5147) P 13 BOPD grav 34; GTSTM; 23 BWPD
RETEST (Green River 5110-6102 09/24/86) P 5 BOPD; 28 MCFGPD; 19 BWPD
Journl: 5/24/83 drlg; no further information available.
6/7/83 drlg, no details available.
6/14/83 drld; no details available.
7/18/83 no further details available.
7/25/83 no further details available.
8/2/83 no further details available.
8/4/83 producing; details confidential.
8/16/83 producing oil; no details available.
8/23/83 producing; no details available.
8/30/83 producing; no details available.

Continued


4S/3W
Antelope Creek
Petroglyph Gas Partners
8S/15E
Ashley Unit
Inland
Travis
Inlan
5S/3W
9S/15E
11-25

Ute Tribal # 01
Wellbore Diagram
Plugged and Abandoned

Well History:

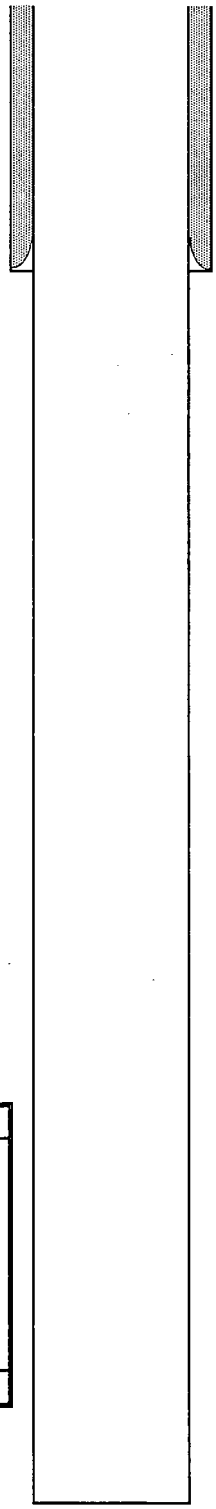
07/20/52	Spud date
11/07/52	Completion date

Well Status: Plugged and Abandoned

No USDW was logged in the Uinta formation.

No USDW was logged in the Green River formation.

See exhibit: "Dwights Discover." Dated 02/02/98. Well drilled by The Ohio Oil Co. Completed as a dry hole.



Elev. 5659 DF

10 3/4" Surface Csg @ 388' KB cmt'd w/ 160 sxs.

TD @ 7509' KB

not to scale

The Ohio Oil Co.
Ute Tribal # 01 (Footage Spot Location Not Available) c NE SW Section 26-4S-3W Bridgeland Field Duchesne Co, Utah
API # 43-013-05063

Dwights Discover CD-ROM
Copyright 1998 Rockies

ID: R-839560-0 Original
Run Date: 2-Feb-98

State : Utah US Merid 4S - 3W - 26 c ne sw

County: DUCHESNE Oper: OHIO OIL CO THE

Field : BRIDGELAND Compl: 11/07/1952 W D P&A

Well: #1 Last Info: 05/04/1993
Ftg:
Lat-Long by TDG: 40.104050 - 110.191559
Oper Address: Shelby MT
Obj: Permit #: 07/20/1952 API: 43-013-0506300
Elev: 5659DF

Spud: 07/20/1952
TD: 7509

Elev: 5659DF FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)
(Source: H=Dwights,I=IOG,T=Govt,S=Shell,U=USGS,R=NRIS
M=Munger,N=NDGS,B=Boyd,G=GDS,X=Proprietary)

Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
Wasatch	6680	-1021	S S				

<< Shell Records >>

Casing: 10 3/4 cmtd @ 388 w/160

Journl:

07/03/52		Loc
07/10/52		Road and loc graded. Company tools moving in.
07/16/52		Rigging up rotary tools.
07/20/52	491	Spud. Reamed hole to 438 ft.
08/01/52	2123	Drlg 10 3/4 in cmtd 388 ft with 160 sax.
08/07/52	2210	Drlg brown calc. mudst. DST #1, 1900-42 ft. open 60 min, initial blow 20,000 cu ft. of air per day, swelt dry, gas to surface in 15 min, 18,000 cu ft. per day initial decrease to 8,000 ft at end of test, SI 15 min, Rec. 20 ft drill mud, EP 0 lb, SIP 0 lb, HP 1050 lb DST #2, 2085-2146, open 2 1/4 hrs, SI 30 min, maximum air blow 19,900 cu. ft./day, died to 2100 cu. ft./day in 45 min, gas to surface in 45 min, pulsating gas blow 1500-4000 cu. ft./day., slightly blow at end of test, Rec. 150 ft oil and gas cut mud, FP 0 lb, SIP 100 lb, HP 1125 lb.
08/11/52	2537	Drlg in lime. Recovering heavy tarry oil and shaker, from about 2380 ft.
08/12/52	2800	Drlg, good slow heavy black oil 2380-2415 ft, considerable heavy gas.
08/19/52	3240	Drlg light gray tight sandstone. Core #1, 2960-2985, Rec. 21 ft, 2 ft siltstone, gray, micacious calc, 4 ft sh dark brown, fissile, patroliferous and carbonaceous, gray sandstone stringers. In parts well saturated and bleeding oil, 8 ft mudst, brown, slight micac. and slight calc., 7 ft mudst, brownish gray, slight calc. very finely crystalline with minor closed fracturing and a very fine grained tight pyritic sandstone stringers 4 in thick in last foot with slight saturation of oil in

Continued

State : Utah US Merid 4S - 3W - 26 c ne sw

County: DUCHESNE Oper: OHIO OIL CO THE

Field : BRIDGELAND Compl: 11/07/1952 W D P&A

Continued

Journl:

sd. 4 ft not rec. (2981-2985 ft)

08/26/52 3728 Drlg in brown to gray mudst and marlst. Core #2 3262-3287 ft, Rec. 25 ft, 5 ft mudst, 7 ft sh, 2 in stringer of heavily saturated sandstone, 13 ft mudst. DST 3162-3287 ft, open 1 hr, SI 30 min, light blow dying at end, Rec. 390 ft drill mud slightly oil cut, FP 120.205 lb, SIP 225 lB, HP 1615 lb. DST #3, 3243-3343 ft, open 60 min, SI 15 min, Rec. 390 ft drlg mud, FP 0-30 lb, SIP 40 lb. DST 3635-3757 ft, open 1 1/4 hrs, SI 30 min, light blow thruout, Rec. 90 ft drlg mud, slight gas cut, FP 0-0 lb, SIP 2075 lb, HP 2050 lb.

09/03/52 4266 Drlg in very fine grained, light gray sandstone and siltstone. DST #4, 3635-3757 ft, (2-8 in Packers bottom at 3635 ft) open 1 1/4 hrs, SI 30 min, ligh tblow of air thruout, Rec. 90 ft slight gas cut drlg mud. HP 2050 lb, FP 0 lb, SIP 2075 lb

09/11/52 4780 Drlg gray, very fine grained sandstone and siltstone, Thin bed of ostracodal limestone and tight saturated sandstone. interval 4768-78. DST #5, 4536-78 ft, open 1 hr, weak blow air, dying in 15 min, SI 30 min, Rec. 75 ft drlg mud, FP 0 lb, SIP 0 lb, HP 2500 psi.

09/17/52 5230 Drlg in gray sh DST #6, 5105-76 ft, open 90 min, SI 1/2 hr, weak bubbling air blow thruout test. Rec. 80 ft drlg mud, No oil or gas FP and SIP 0 lb, HP 3000lb.

09/24/52 5448 Reaming

10/02/52 5879 Working on pump For Cores 3,4,5, and 6 see page 6. Core #7, 5458-5472 ft, Rec. 8 1/2 in, all gray sh, sl silty to v silty. Core #8, 5650-97 ft, Rec. 18 ft: 2 in sh, gray, interbedded with brown, very fine grained, tight sandstone; 16 ft sandstone, brown, gray, very fine grained, tight, well standard with oil, sweet oil odor, bleeding a very small amount of brown oil from minor fracturing, 29 ft not recovered. DST #7, misrun, 5567-5697 ft, ran 130 ft of anchor, tool stopped 30 ft off bottom, open tool and skidded 18 ft in 10 min and held fairly steady for next 7 min before the packer finally failed. Recovery 810 ft of drlg mud, HP 3200 lb. DST 8, 5657-5722 ft, open 1 1/2 hrs, SI in 1/2 hr, weak blow, dead in 20 min, picked up and reset tool at end of first 30 min, weak blow again, which died. Recovered 120 ft drlg mud, HP 3250 lb, FP 0 lb, SIP 125 lb.

10/03/52 5905 Drlg in sd and sh. DST #9, 5799-5879 ft, open 2 1/2 hrs, SI 1/2 hr, fair air blow thruout, maximum of 3120 cu. ft. per day, which decrease to 2000 cu. ft. per day at end of test, Rec. 90 ft drlg mud, HP 3450 lb, FP 0 lb, SIP 550 lb, building up. DST #10, 5965-6075 ft, tool open 90 min, SI in 30 min, fair air blow initially, died in 30 min, Rec. 65 ft drlg mud, HP

Continued

State : Utah US Merid 4S - 3W - 26 c ne sw

County: DUCHESNE Oper: OHIO OIL CO THE

Field : BRIDGELAND Compl: 11/07/1952 W D P&A

Continued

Journl:

3550, FP and SIP 0 lb.

10/09/52 6366 Drlg DST #11, 6281-6335 ft, open 2 1/4 hrs, SI in 30 min, good blow initially, gauged 7 MCF per day, decreased tp fair blow in 30 min, and remained thruout test. Rec. 85 ft heavily oil and gas cut mud, FP and SIP 0 lb, HP 3600 lb.

10/16/52 6512 Drlg in sh. DST #12, 6358-6421, open 3 1/2 hrs, SI in 1 hr, good air blow initially, decrease to fair blow in 45 min and continue bubbling thruout test, Rec. 165 ft drlg mud, FP 0 lb, SIP 275 lb, still very slowly building, HP 3600 lb.

10/24/52 6895 Taking DST. DST #13, 6438-6527, open 75 min, SI 30 min, good initial air blow, gauged 5600 cu. ft./day, final blow gauged at 2500 cu. ft./day, Rec, 80 ft wtr cut drlg mud, HP 3650 lb, FP 0 lb, SIP 475 and building DST #14, 6526-6654, Set 60 min, then attempted a 30 min shut in and pulled, Rec. 92 ft drlg mud. DST #14-B 6526-6654, open 5 min before packer failed - Reset 3 times, Rec. 900 ft mud. DST #15, 6551-6679, open 2 min, packer failed - misrun, Rec. 1080 ft mud. DST #16, 6637-6737, open 7 min, packer failed. DST #17, 6758-6825, open 20 min, 1000? wtr cush. and packers failed. Rec. wtr cush. and 720 ft oil mud, no shows. Fair blow when tool opened, HP 4075 lb, FP 0 lb. DST #18, 6820-6895 ft (Johnston) 1000 ft wtr cusion, tool opened and packers failed in 3 seconds, Rec. 1000 ft wtr cushion and 1092 ft drlg mud, HP 4100 lb. DST #19-A 6930-7067 ft, 1000 ft wtr cushion, packers failed, Rec. wtr cushion and 720 ft drlg mud, HP 4100 lb. DST #19-B 6930-7067 ft, open 1000 ft wtr cushion, open 65 min., SI in 30 min, slight blow of air, died in 20 min, Rec. 1000 ft wtr cushion and 90 ft drlg, FP 600 lb, SIP 7075 lb (building). HP 4100 lb.

10/31/52 7217 Pulling Core

11/17/52 7509 T.D. P&A, Plug #1, 2280-2480 ft, 8 sax cement, Plug #2, 1700-1900, 80 sax, Plug #3, 380-420 ft, 20 sax Core #9, 5980-6012 ft, Rec. 32 ft; 6 ft sh, gray, silty, 3 ft sandstone, light gray, very fine grained, very tight, dirty, unsorted micaceous, with slight staining of oil, interbedded with gray silty sh. 20 ft sandstone, light gray, very fine grained, very tight unsorted, micaceous, galuconitic in part, oil standard in part bleeding a small amount of light brown to yellow oil from small disconnected bedding plane permeability. 2 in sh streak at 6005 1/2, 3 ft sh, gray silty. Core #10, 6310-6335 ft, Rec. 25 ft: 4 ft sh, gray, silty, fossiliferous (fossils are gastropods, plant stems and leaf impressions), 1 ft sh, dark gray, fissile,

Continued

State : Utah US Merid 4S - 3W - 26 c ne sw

County: DUCHESNE Oper: OHIO OIL CO THE

Field : BRIDGELAND Compl: 11/07/1952 W D P&A

Continued

Journl: fossiliferous, as above, 2 ft siltstone, gray, shaley with leaf and stem impressions, 11 ft sh, gray to dark gray, silty to fissilie, fossiliferous, with leaf and stem impressions, gastropods and pelecypods, tan mudstone streak at 6318 ft, 3 ft sandstone, very light gray, very fine grained, very hard and tight, with a closed vertical fracture. Slight staining in fracture. 4 ft sh, dark gray to black, fissile to slight silty, fossiliferous, with pelecypods, gastropods, and ostracods. Core #11, 6335-85 ft, Rec. 25 ft, sh, dark brown to black, carbonaceous, fossiliferous (gastropods and ostracods). Fissile in part, with a 1 ft ostracodal limestone stringer at 6348 ft. Thinly interbedded sandstone stringers in lower 7 ft. Core #12, 6387-6419 ft, Rec. 32 ft sh, dark gray to black, carbonaceous, fissile, fossiliferous in part (ostracods) with two 4 in brown mudstone stringer at 6389 1/2 and 6413 1/2 ft. Also vertical fractures showing good oil stain with some bleeding at 6401-6402, 6405, and 6412 ft. Some oil bleeding from bedding plane thruout core. Core #13, 6421-62 ft, Rec. 35 ft sh, very dark gray to black, slight silty, calc. thruout, with minor fracturing thruout (apparently closed) Fisisle in part. Six-inch bronw, calc. mudstone stringer at 6425-25 1/2 ft., 4 ft stringer at 6430-34 ft, 1 ft stringer at 6440-41 ft, and a 6 in stringer at 6448-48 1/2. Numerous small brown crystalline limestone and calcite clusters from 6435-37 ft. Scattered ostracods thruout cor. 6456-62 ft not recovered. Core #14, 6462-6512 ft, Rec. 9 ft sh, very dark gray to black, slightly silty, fossiliferous in part (gastropods, replaced w/pyrite) 6471-6512 ft no rec. Core #15, 6895-6929 ft, Rec. 29 ft, 4 ft, sh, mottled, green, maroon and gray, soft, 3 ft sh, gray and gray-green, green, maroon, mottled in parts, silty, 1 ft sandstone, sh-green, very fine grained, very hard and tight, 1 ft sh, mottled, green and maroon. 2 ft siltstone, gray-green, 1 1/2 ft sh, gray, silty, 4 1/2 ft sh, mottled, gray, maroon, gray-green, soft, 3 ft siltstone, gray-green, silty, very hard in part, 3 ft sh, gray-green and maroon, soft, 1 ft sh, gray, fossiliferous, with ostracods, 5 ft sandstone, very light gray, very fine grained, very hard and tight, 5 ft not rec. Core #16 6929-6979 ft, Rec. 47 ft, 11 1/2 ft sandstone, very light gray, very fine grained, tight, calcareous, with a 3 in light green sh streak at 6932 1/2 ft. Minor vertical fracturing from 6933-6936 ft. Bleeding a small amount of yellow, waxy oil, 20 1/2 ft sh, lgith green, slightly silty, sd from

Continued

State : Utah US Merid 4S - 3W - 26 c ne sw

County: DUCHESNE Oper: OHIO OIL CO THE

Field : BRIDGELAND Compl: 11/07/1952 W D P&A

Continued

Journl: 6951 6953 ft and from 6956 1/2-6957 ft, with a streak of pyrite at 6952 1/2 ft, 2 ft sh, dark gray, slightly silty, 1 ft siltstone, very light gray-green, very fossiliferous, with gastropods, 2 ft sh green, soft, 9 ft sandstone, very light gray-green, very fine grained, hard, tight, with light saturation of oil from 6972-6975 ft, 1 ft sh, light green, 3 ft not recovered. Core #17, 6979-7027 ft, Rec. 10 ft, 7 ft sh, gray with 6 in black, fissile, fossiliferous sh at 6981-6981 1/2 ft (fossils are ostracods and gastropods), 1 ft sandstone, very light gray, very fine grained, hard, tight, 2 ft siltstone, mottled, maroon and gray, 38 ft not recovered. Core #18, 7027-7067 ft, Rec. 40 ft, 6 ft, siltstone, mottled, maroon, and light green, hard, sh streak at 7030 1/2 ft, 11 1/2 ft sh, mostly maroon, with some light green mottling, soft, slightly silty in part, 1 1/2 ft siltstone, maroon, with some green mottling, 4 1/2 ft sh, as above, 16 1/2 ft, Grading from siltstone to very fine grained, hard, tight sandstone, maroon, with some green mottling and with a maroon sh break from 7058-7059 1/2 ft. Core #19, 7067-7117 ft, 11 ft sh, maroon, mottled with green sh, soft to slightly silty, 1 ft siltstone, green-gray, hard and tight, 7 ft sh, as above, 6 ft sandstone, green-gray to gray, very fine grained, hard and tight, 2 ft sh, as above, 6 ft sandstone, with a little interbedded sh, as above, 11 ft sh, as above, with interbedded sandstone, as above, 5 ft sandstone, gray, very fine grained, hard, tight, 1 ft sh, as above. Core #20, 7117-7167 ft, Rec. 50 ft, 18 ft sh, maroon, mottled with green-gray to gray, hard and silty in part, fossiliferous, pyritic, 5 1/2 ft sh, greenish-gray, with dark inclusions, hard and silty in part, somewhat fossiliferous, 26 1/2 ft sh, maroon, with mottled gray-green, hard and silty in part, very soft in part. Schlumberger top of Wasatch: 6680 ft Core #21 7167-7217 ft, Rec. 50 ft, 12 ft sh, maroon, with slight green mottling, soft to silty and sandy. 3 1/2 ft sh, gray-green, with slight maroon mottling, soft to slightly silty. 4 1/2 ft sandstone, light gray, very fine grained, very hard and very tight. 2 1/2 ft sh, maroon, with somegreen mottling, very silty, 7 1/2 ft sh, maroon, with some green mottling, slightly silty. 10 ft sh, maroon, very silty. 10 ft sh, maroon, with some green mottling. Slightly silty to more silty at the bottom. Core #22, 7217-7267 ft, Rec. 32 ft, 5 ft, sh, maroon, mottled with green-gray, soft and rotten near the top, silty near the bottom. 2 ft siltstone, reddish-

Continued

State : Utah US Merid 4S - 3W - 26 c ne sw

County: DUCHESNE Oper: OHIO OIL CO THE

Field : BRIDGELAND Compl: 11/07/1952 W D P&A

Continued

Journl: gray, hard and tight. 3 1/2 ft sh, maroon, with mottled green-gray, silty in part. 11 1/2 ft siltstone, reddish-gray to greenish-gray, hard and tight, with a little interbedded sh, as above. 6 ft sandstone, gray, fine grained to very fine grained, hard, subrounded, may be somewhat porous, glauconitic, 4 ft sh, greenish-gray to maroon, with some mottling. Soft and rotten, 18 ft not recovered. Core #23 No Report. Core #24 Rec. 44 ft, 3 ft sh, maroon, with motling, green-gray, silty and hard. 3 ft sandstone, gray to reddish gray, very fine grained, with some interbedded sh. 5 ft sh, maroon, to reddish gray, 17 ft siltstone, light greenish-gray to reddish gray, with interbedded sh stringers. 7327-7334 ft sandstone, green-gray, very fine grained to fine grained, tight, no saturation. 9 ft sh, green-gray to maroon, with some interbedded sandstone stringers. 6 ft no recovered. Core #25, 7349-7362 ft. No recovered from the footage 7349-7362 ft, but recovered 6 ft from above core. Core #26, 7362-7413 ft Recovered 45 ft, 16 ft siltstone, maroon, mottled, green-gray, hard and tight. Shaley in part. 3 1/2 ft sh, maroon, with mottling of green-gray and with slight fracturing at 7381 ft, 1 1/2 ft siltstone, green-gray, hard, slightly fossiliferous. 17 ft sh, as above, with some fracturing in 7392 ft and 7400 ft, 5 ft sandstone, gray to reddish gray, very fine-grained, hard and tight, with some inter-bedded sh, as above. 2 ft sh, maroon to green-gray, slightly soft in part. 6 ft no recovered. Core #27, 7413-7464 ft, Rec. 51 ft, 13 ft sh, maroon with greenish-gray mottling, silty and hard to soft and rotten. 3 ft siltstone, reddish-gray to greenish-gray, hard and dense, with little inter-bedded sh, as above. 3.5 ft sh, as above. 13.5 ft siltstone, reddish-gray, hard, dense, with interbedded sh, as above, near top. 19 ft sh, maroon, with greenish-gray mottling to greenish-gray, silty and hard in part. Core #28, 7464-7509 ft, Recovered 45 ft, 10.5 ft sh, maroon, with greenish-gray mottling to dark gray, silty and hard to soft near bottom, with several interbedded sandstone stringers. 1.5 ft siltstone to very fine-grained sandstone, greenish-gray to gray, hard and tight. 7 ft siltstone, reddish-gray, hard and dense, with interbedded sh, as above, in upper 2 ft, 24 ft, sh, maroon, with greenish-gray mottling, silty and hard to soft and rotten, with small greenish-gray sh stringers at 7491 ft, 7498 ft, and 7500 ft, 2 ft siltstone to very fine-grained sandstone, reddish gray to greenish-gray, hard and tight, with little interbedded gray sh near bottom.

Continued

State : Utah US Merid 4S - 3W - 26 c ne sw

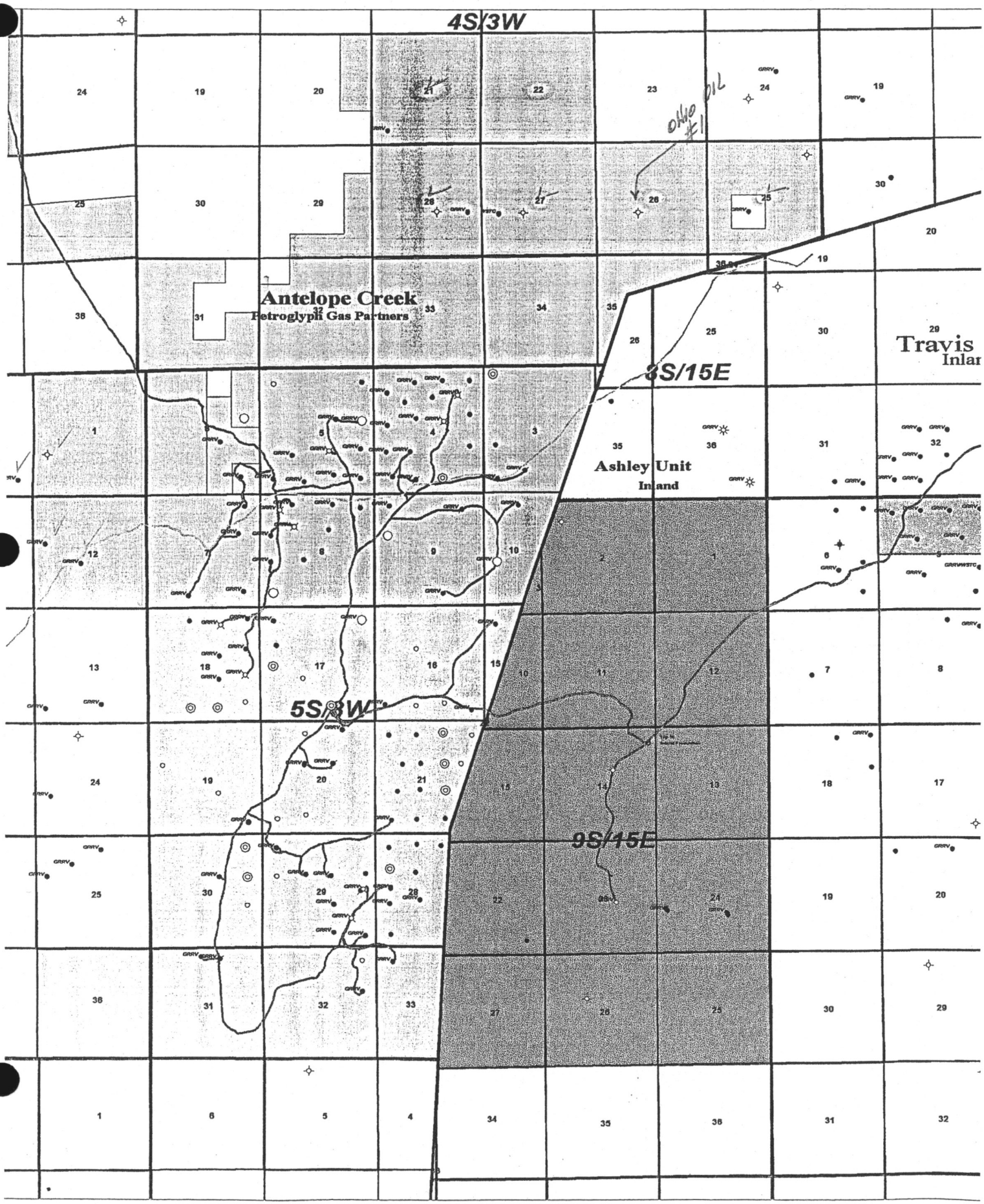
County: DUCHESNE Oper: OHIO OIL CO THE

Field : BRIDGELAND Compl: 11/07/1952 W D P&A

Continued

Journl: Core #3, 5241-88 ft, Rec. 47 ft, 7 ft mudstone, brownish-gray, dense, 7 ft sh, dark brown, slightly carbonaceous, fossiliferous, 23 ft mudstone brownish-gray dense, 2 in stringer limestone, light to brownish-gray, partially crystalline, dolomitic, slight oil stain 15 ft. Core #4, 5298-5348 ft, Rec. 30 ft sh with stringers of sd. Core #5, 5348-98 ft, Rec. 50 ft sd and sh. Core #6, 5398-5448, Rec. 29 ft, no description.

<< State Records >>
Geological formations: Surface-Uinta-Green River Bottom-Wasatch
DST's from 1900 ft-7067 ft.


4S/3W
Ohio Oil #1
Antelope Creek
Petroglyph Gas Partners
3S/15E
Ashley Unit
Inland
Travis
5S/3W
9S/15E

Ute Tribal # 02-27
Wellbore Diagram
Plugged and Abandoned

Well History:

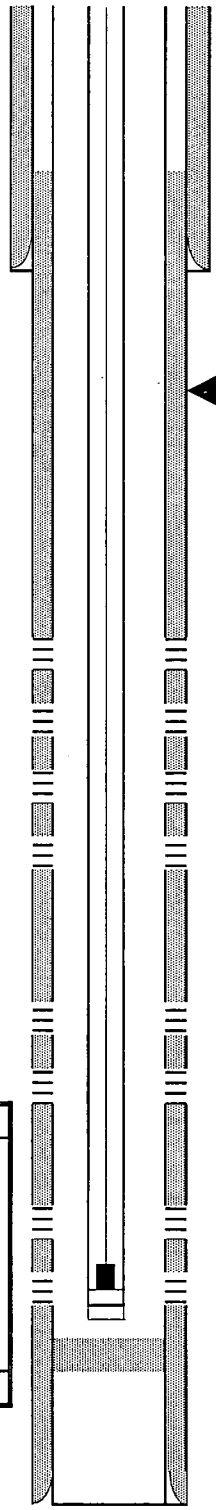
4/27/88	Spud date
9/29/88	Completion date

Well Status: Plugged and Abandoned

No USDW was logged in the Uinta formation.

No USDW was logged in the Green River formation.

See exhibit: "Dwights Discover." Dated 02/02/98. Well drilled by Coors Energy and completed as plugged and abandoned.



not to scale

KB: 5691

Surface Hole Size 12 1/4"

8-5/8" 24# J-55 Surface Csg @ 338' KB
Cmt'd w/ 250 sxs

Hole Size 7 7/8" bit

Cement tops @ 180'
5 1/2" 15.5# J-55 Csg @ 3184'
Cmt'd w/ 650 sxs

Perf's:

- Green River Formation
  - 1760 to 1860'
  - 1880 to 1970'
  - 2135 to 2195'
  - 2241 to 2331'
  - 2580 to 2640'
  - 2680 to 2830'
  - 3032 to 3068'
  - Each zone was broken down with water and ball sealors.

No ISIP's were logged.

PBTD @ 3160' KB
TD @ 3200' KB

Coors Energy Co.
Ute Tribal # 02-27 BL (2000' FSL & 2000' FWL) NE NE SW Section 27-4S-3W Bridgeland Field Duchesne Co, Utah
API #43-013-31208

Dwights Discover CD-ROM
Copyright 1998 Rockies

ID: R-153486-0 Original
Run Date: 2-Feb-98

State : Utah US Merid 4S - 3W - 27 ne ne sw

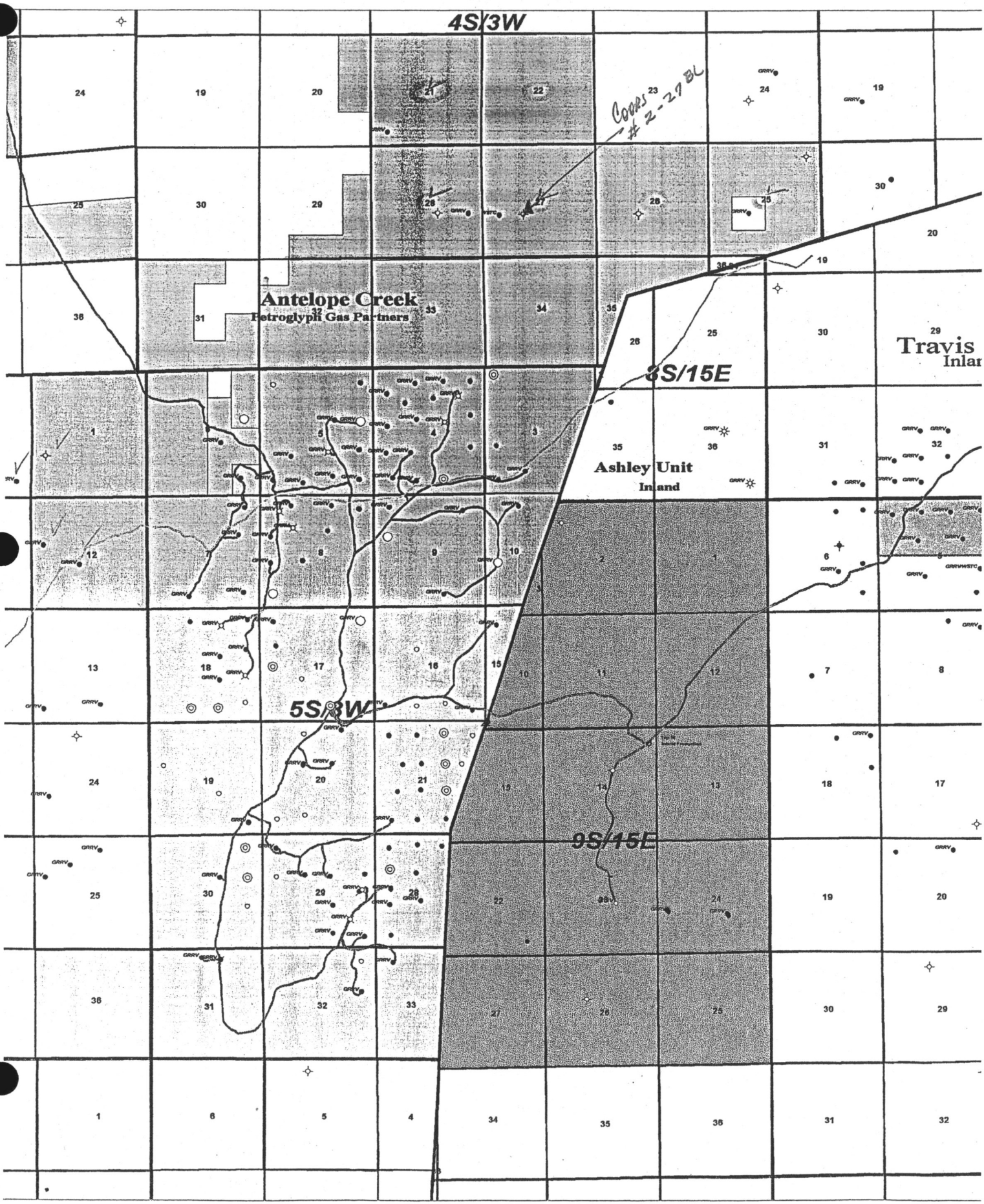
County: DUCHESNE Oper: COORS ENERGY CO

Field : BRIDGELAND Compl: 09/29/1988 D D P&A

Well: UTE TRIBAL #2-27BL
Ftg: 2000 fsl 2000 fwl Last Info: 01/09/1989
Lat-Long by TDG: 40.104095 - 110.210815
Oper Address: PO Box 467, Golden CO 80402 - 303/278-7030
Obj: 3000 Green River Permit #: 03/30/1988 API: 43-013-3120800
Elev: 5691KB

Spud: 04/27/1988 Contr: Shelby Rig #: 11
TD: 3200 on 05/13/1988 Green River

DDC : 10SW Myton (miles from the nearest city)
Casing: 8 5/8 @ 338 w/250
5 1/2 @ 3184 w/650
Mud : drlg w/wtr @ 1987
Core : None
DST : None
Perfs : 3032-3068 (Green River)
w/1 SPF - bkdn w/60 bbl wtr 50 ball slrs - CIBP @ 3000
2680-2830 (Green River)
w/1 SPF @ 2810-2830 2760-2770 2680-2690 - bkdn w/55 bbl 2% KCl wtr 50 ball slrs - CIBP @ 2670
2580-2640 (Green River)
w/1 SP2F - bkdn w/60 bbl wtr 40 ball slrs - CIBP @ 2520
2241-2331 (Green River)
w/1 SPF @ 2241-2260 2314-2318 2325-2331 - bkdn w/40 bbl wtr 40 ball slrs
2135-2195 (Green River)
w/1 SP2F - bkdn w/45 bbl 2% KCl wtr 40 ball slrs
1880-1970 (Green River)
w/1 SP3F - bkdn w/45 bbl 2% KCl wtr 40 ball slrs
1760-1860 (Green River)
w/1 SP3F - bkdn w/95 bbl wtr 40 ball slrs
1760-1810 (Green River)
w/2 SPF
Journl: 5/5/88 drlg; further details not available.
5/12/88 drlg @ 1987.
5/19/88 reached TD; WOCT.
5/27/88 completing, further details not available.
6/8/88 preparing to swab.
6/29/88 SI, WO evaluation.
7/20/88 SI, WO evaluation.
8/22/88 SI, WO evaluation.
9/28/88 swabbed; SI, WO evaluation.
10/7/88 plugged & abandonded.


4S/3W
Coors #2-27BL
Antelope Creek
Petroglyph Gas Partners
3S/15E
Ashley Unit
Inland
Travis
5S/3W
9S/15E

GEARHART

CEMENT BOND LOG
GAMMA RAY CCL

FILING NO.

COMPANY Coors Energy

WELL Ute Tribal 2-27 BL

FIELD Bridgeland

COUNTY Duchesne STATE Utah

LOCATION 2000' FWL NE 1/4 2000' FSL SW 1/4

SEC 27 TWP 4s RGE 3w

Other Services: Perforate

Permanent Datum G.L. Elev. 5676'

Log Measured from K.B. 15 Ft. Above Permanent Datum

Drilling Measured from K.B.

Elev.: K.B. 5691' D.F. 5690' G.L. 5676'

Date	5-19-88	Type Fluid in Hole	Water
Run No.	One	Dens. / Visc.	
Depth—Driller	3160'	Max. Rec. Temp.	
Depth—Logger	3105'	Est. Cement Top	150'
Btm. Log Interval	3098'	Equip. / Location	6082 / Vernal
Top Log Interval	0'	Recorded By	K. Christiansen
Open Hole Size	7 7/8"	Witnessed By	Mr. Simonton

CASING REC.	Size	Wt/Ft	Grade	Type Joint	Top	Bottom
Surface String	8 5/8				Surf.	355'
Prot. String	5 1/2"				Surf.	T.D.
Prod. String						
Liner						

PRIMARY CEMENTING DATA

STRING	Surface	Protection	Production	Liner
Vol. of Cement				
Type of Cement				
Additive				
Additive by %				
Retarder				
Retarder by %				
Wt. of Slurry				
Water Loss				
Drill. Mud Type				
Drilling Mud Wt.				

FIELD MEMO

PRIMARY CEMENTING PROCEDURE

	Hour	Date
Started Pumping Cement		
Plug on Bottom		
Release Pressure		
Finish Cementing Operation		
Start Cement Bond Log	12:56	5-19-88
Finish Cement Bond Log	14:22	5-19-88

BOND EQUIPMENT DATA

Tool No. 339 Tool Type Combo Tool Size 3.25"

Centralizer: Type Rubber Size No. 2 Position Top & Bottom

Transmitter to Receiver Spacing

Amplitude	Seismic Spectrum	Travel Time
3'	5'	3

GAMMA RAY EQUIPMENT & LOGGING DATA

Tool No.	339	Depths From	Depths To	Speed FPM	T.C. Sec.	Blg. Cps.	Cal. Cps.	Sens.	Zero Div. L or R	Apl Per Log Div.
Tool Model No.										
Diameter	3.25"	3093'	0'	35						
Detector Model No.										
Type	Scint.									
Length	6"									
Distance to N. Source										

REMARKS:

NOTICE: Gearhart Industries, Inc. cannot and does not guarantee the accuracy or correctness of any log data or of any interpretation thereof and shall not be liable or responsible for any loss, cost, damage or expense incurred or sustained by Customer resulting from any log data or interpretation made by Gearhart Industries, Inc. or any of its agents, servants or employees. Neither log data nor interpretation thereof should be relied upon as the sole basis for any drilling, completion, well treatment or production decision of any other procedure. Unless there is prepared by an effect a meeter or other specific or general contract intended to extend and apply herein, this Log is provided in accordance with Gearhart Industries, Inc.'s General Terms and Conditions as set out in its current price schedule.

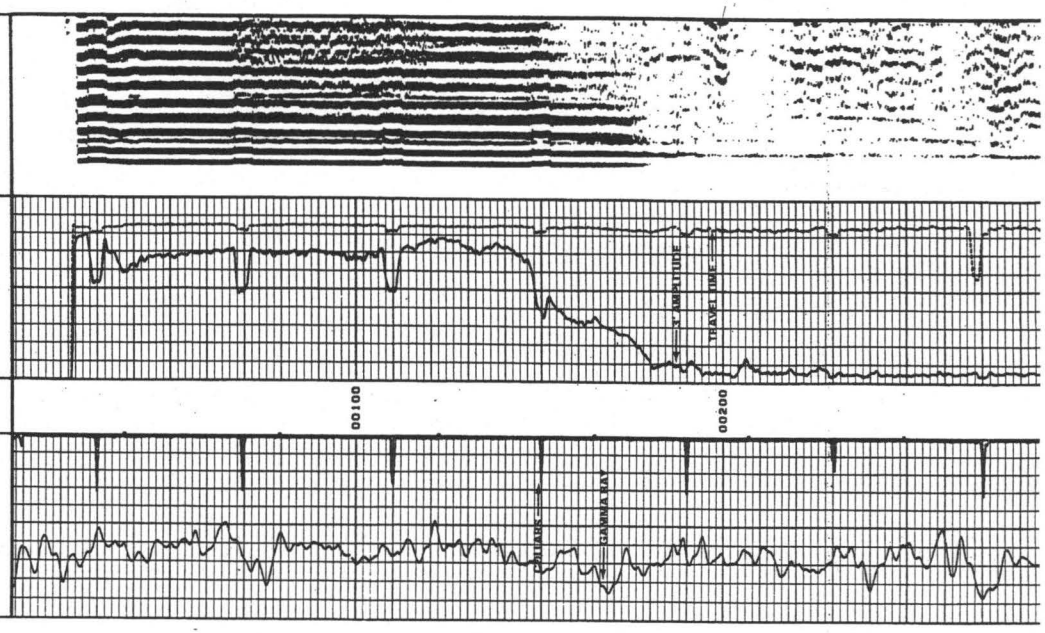
GEARHART INDUSTRIES, INC.

TOOL CALIBRATION 7.073 VOLTS
GATE WINDOW 258 TO 298 µSEC
TOTAL BOND 0.0 DB/FT
PLAYBACK OFFSET 3.0 FT

CASING O.D. 5.500 IN
CEMENT STRENGTH 0 PSI
CASING THICKNESS 0.304 IN
BMAX 0.0 MV

05-49-88 14:22 7.0 381483 0072-34 0 2

430 TT3 (µSEC) 230 200 S SPECTRUM 1200



Ute Tribal # 01-27 D3
Wellbore Diagram
Wildcat (Inactive)

Well History:
5/2/81 Spud Well
6/27/84 Completed

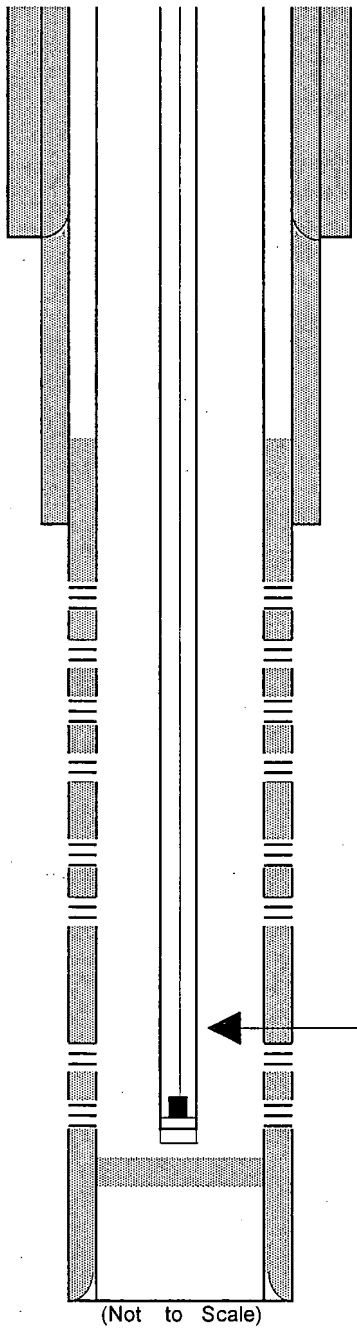
Well Status: Inactive, Last production 03/88

No USDW was logged in the Uinta formation.

No USDW was logged in the Green River formation.

See exhibit:
"Dwights Discover"
Dated 02/02/98

Well drilled by Gulf Oil to 10500'. Operator changed to Linmar Energy Corp. 10500' to 18824', Operation changed to Coors Energy Co. Well is listed as inactive.



GL: 5673
KB: 5700

13 3/8" Surface csg @ 3118' KB cmt'd w/ 752 sxs.

9 5/8" Csg @ 10500' KB cmt'd w/ 2800 sxs.

5 ½" Liner Csg from 10311' to 18677' cmt'd w/ 1030 sxs.

Perf's:

Wasatch Formation	6930 to 7200'
UPR Mesaverda	12542 to 14296'
MID Mesaverda	14318 to 15099'
LWR Mesaverda	15116 to 16180'
UPR Mancos	16416 to 16502'
Mancos	17378 to 18000'

No ISIP's were recorded.

Tubing @ 171 Jts. of 2 7/8" 6.5# J-55 @ 6926' KB w/ packer @ 3946'.

PBTD @ 10,060'
TD: 18,824' KB

(Not to Scale)

Gulf Oil Corp.; Linmar Energy
Coors Energy

Ute Tribal # 01-27 D3
(1952' FSL & 818' FWL)
NE SW Section 27 - 4S - 3W

Wildcat Field
Duchesne Co. Utah

API #43-013-30567

Dwights Discover CD-ROM ID: R-114965-0 Original
Copyright 1998 Rockies Run Date: 2-Feb-98

State : Utah US Merid 4S - 3W - 27 nw sw

County: DUCHESNE Oper: GULF OIL CORP

Field : WILDCAT Compl: 06/27/1984 W O OIL

Well: UTE TRIBAL 1-27 #D 3 Last Info: 02/23/1988
Ftg: 1952 fsl 818 fwl
Lat-Long by TDG: 40.103973 - 110.215057
Oper Address: PO Box 2619, Casper WY 82602
Obj: 18500 Mancos Permit #: 04/03/1981 API: 43-013-3056700
Elev: 5698KB

Spud: 05/02/1981 Contr: Dixilyn Field #38
TD: 18824 on 11/10/1981 PB: 10060

Elev: 5698KB FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)
(Source: H=Dwights,I=IOG,T=Govt,S=Shell,U=USGS,R=NRIS
M=Munger,N=NDGS,B=Boyd,G=GDS,X=Proprietary)

Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
Green River	1300	4398	L H	Mancos	15800	-10102	L H
Wasatch	6560	-862	L H				

Notes :

Casing: 13 3/8 @ 3118 w/752 - 9 5/8 @ 10,500 w/2800
- 5 1/2 lnr @ 10,311-18,677 w/1030

Core : None

DST : #1 4965- 5000 (lwr Green River)
op 15 si 60 op 90 si 80. IF 2 in blo/10 min & remained; FF blo to btm of bkt & remained. Rec 15 ft drlg fluid; Smplr: .10 CFG, 1360 cc wtr (Rw 2.0 ohms @ 86 F, 3650 ppm Cl). HP 2426- 2482 FP 27-37 27-37 SIP 1054-1847
#2 6750- 6765 (Wasatch)
op 15 si 60 op 60 si 75. IF op w/wk blo incr to 6 psi; FF op w/wk blo on 8 in orifice @ 10 MCF incr to 11 psi. Rec 558 ft gas 93 ft mud 93 O&GCM 2 ft oil 93 ft O&M. HP 3531-3522 FP 201-201 173-285 SIP 3784-3275BHT 178 F
#3 14250-14347
fm unknown. op 34 si 66 op 6 hrs 47 min si 3 hrs 13 min. IF WTS/13 min @ 1500 psi on 1/4 in ck; FF GTS immed, flwd gas & wtr for 2 hrs 35 min,then dry gas @ 2200 psi on 1/4 in ck, decr to 1400 psi on 1/4 in ck forremainder, rate 1099 MCFGPD. Rec not rptd.

Logs : DLL-MSL-GR Comp Neu FD-GR-CAL
BHC HDT Sonic Dip FIL

Tubing: 2 7/8 @ 6926 w/pkr @ 3946

Perfs : 17378-17390 (Mancos)
w/2 SPF - flwd wtr & gas, max 1.6 MMCFGPD
17842-18000 (Mancos)
@ 17,842 17,846 17,850 17,854 17,858 17,986-992 17,996-18,000 w/2 SPF -

flwd gas w/flare, no wtr
17360-17758 (Mancos)
@ 17,754-758 17,360-364 - no incr in flow rate or press -- BP @ 16,648

Continued

State : Utah US Merid 4S - 3W - 27 nw sw

County: DUCHESNE Oper: GULF OIL CORP

Field : WILDCAT Compl: 06/27/1984 W O OIL

Continued

Perfs : 16464-16502 (upr Mancos)
@ 16,464-468 16,472-474 16,476-478 16,492-494 16,496-498 16,500-502

- flwd est 1 MMCFGPD, 100 BWPD on 14/64 ck FTP 2000
16416-16452 (upr Mancos)
@ 16,416-420 16,434-436 16,443-447 16,450-452 w/2 SPF -flwd 200

MCFGPD, 20 BWPD on 32/64 ck

15116-16180 (upr Mancos/lwr Mesaverde)
@ 15,116 15,168 15,163 15,642-646 15,708-710 15,729-731 16,148-150

16,174-180 w/2 SPF - gd flare, no wtr

15496-15603 (upr Mancos/lwr Mesaverde)
@ 15,496 15,500 15,508 15,510 15,512 15,569-571 15,582-590 15,593

15,601-603 w/2 SPF - flwd strng flare, no wtr

15360-15407 (upr Mancos/lwr Mesaverde)
@ 15,360 1/2-363 1/2 15,366 1/2 15,370 1/2 15,378 15,382 1/2 15,407

w/2 SPF - strng flare, no wtr

15138-15264 (lwr Mancos/upr Mesaverde)
@ 15,138 15,140 15,142 15,144 15,146 15,176-180 15,212-214 15,230-232

15,243-245 15,262-264 - strng flare, no wtr

15016-15414 (upr Mancos/lwr Mesaverde)

@ 15,016-018 15,036-044 15,099 15,116 15,120-122 15,300-003 15,306 15,315 15,338 15,371 15,375-15,383 15,387 15,412-414 w/2 SPF -acid w/2000 gal 15% HCl - flwd est 500 MCFGPD, 400 BWPD on 20/64 ck -sqzd -- Ret @ 14,975 --
14294-14310 (mid Mesaverde)

w/1 SP2F
14318-14466 (mid Mesaverde)
@ 14,318 14,320 14,374 14,401 14,444 14,446 14,454 14,458 14,462

14,466 w/1 SPF - flare w/little wtr - acid w/48 bbls 15% acid-flare w/little wtr
13800-14320
@ 13,800 13,847 13,851 13,868 14,115 14,123 14,200 14,217 14,294-296

14,308-310 14,318-320 w/2 SPF
12543-13801

Continued

Dwights Discover CD-ROM
Copyright 1998 Rockies
ID: R-114965-0 Original
Run Date: 2-Feb-98

State : Utah US Merid 4S - 3W - 27 nw sw

County: DUCHESNE Oper: GULF OIL CORP

Field : WILDCAT Compl: 06/27/1984 W O OIL

Continued

Perfs : @ 12,543 12,562 12,655 12,814-816 12,910 12,914 12,926 12,932 13,801 12938-13702

@ 12,938 12,944 12,948 12,960 12,970 13,496 13,518-520 13,584 13,588 13,619-621 13,636-638 13,688-690 13,702 - slugging wtr & gas -acid w/5000 gal 15% HCl - flwd est 400 MDFGPD, 200 BWPD on 28/64 ck -sqzd -- PBTD @ 10,060

6930-7200 (Wasatch)

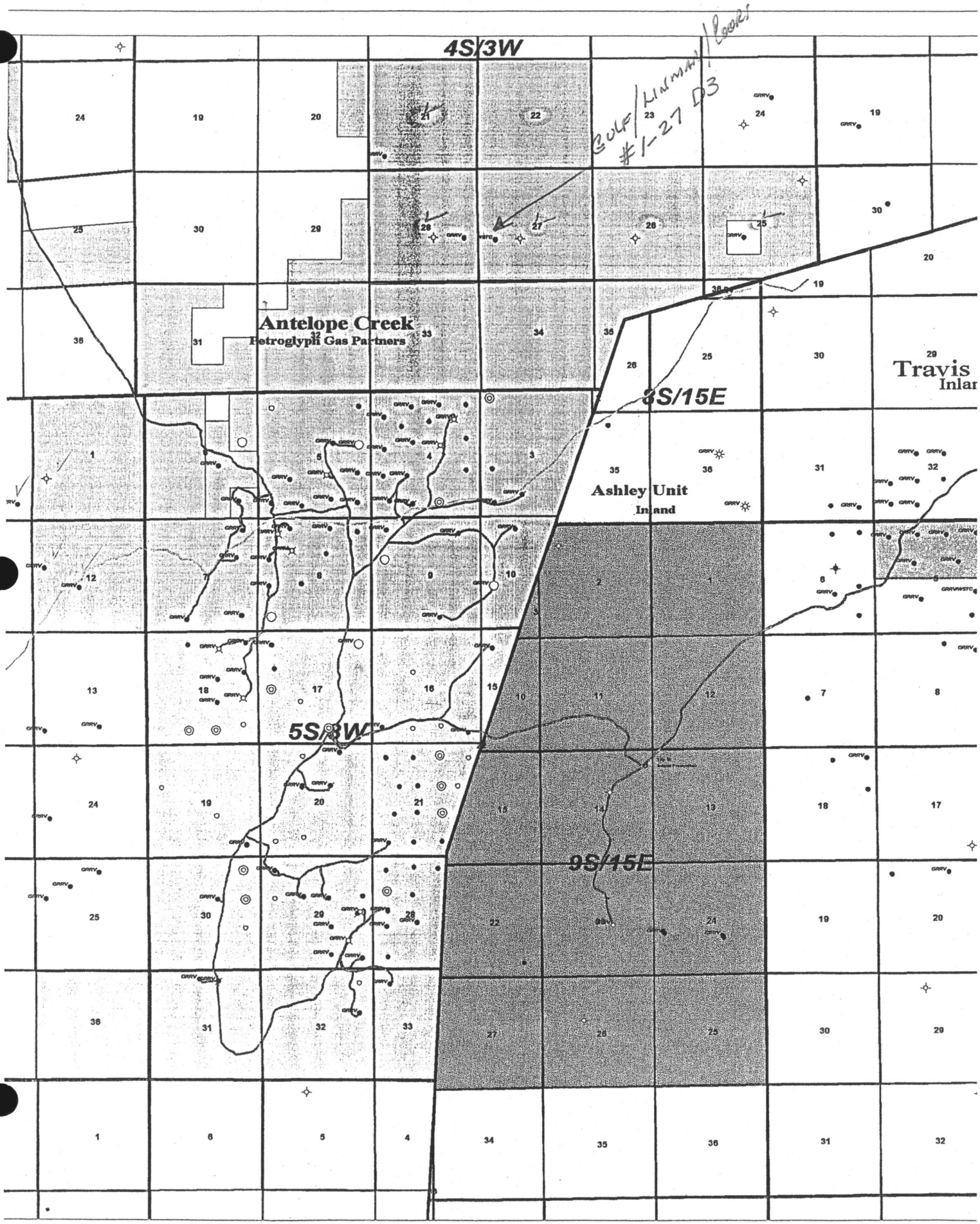
@ 6930-62 6974-78 7026-40 7190-7200 w/4 SPF - swbd 23 BOPD 25 BWPD

w/strng gas blo -acid w/6000 gal 15% HCl -swbd 14 BO 36 BW/10 runs w/gas blo - frac w/110,000 gal Versagel HT 1400 252,500# 20/40 sd

PZone : 6930-7200 (Wasatch)

IP : P 97 BOPD grav 42, GTSTM, 15 BWPD

Journl: 5/8/81 drlg @ 927. 5/14/81 drlg @ 1816. 5/21/81 drlg @ 2875. 5/27/81 drlg @ 3118. 6/4/81 drlg @ 3951. 6/11/81 drlg @ 5010. 6/19/81 drlg @ 6415. 6/24/81 drlg @ 7120. 7/2/81 drlg @ 7863. 7/23/81 drlg @ 10,144. 7/30/81 drlg @ 10,500. 9/22/81 (operator chgd from Gulf oil). 9/29/81 drlg ahead, no details - tight hole. 12/28/81 tight hole. 3/30/82 tight hole. 7/19/82 tight hole.
2/16/83 tight hole.
3/15/83 was drilled to TD, pipe run to bottom & testing; tight hole.
3/25/83 set prod csg, tested, SI for evaluation, tight hole.
4/25/83 SI for evaluation.
8/4/83 tight hole.
9/14/83 tight hole.
4/25/84 completed; no further details available.
6/21/84 (operator chngd from Linmar Energy Corp.).
10/2/84 completed; confidential until March 1985.
11/8/84 completed oil well.


4S/3W
GULF/LINMAR/Coors
#1-27 D3
Antelope Creek
Petroglyph Gas Partners
8S/15E
Ashley Unit
Inland
Travis
5S/3W
9S/15E

Ute Tribal # 01-28 D3
Wellbore Diagram
Inactive Oil Well

Well History:

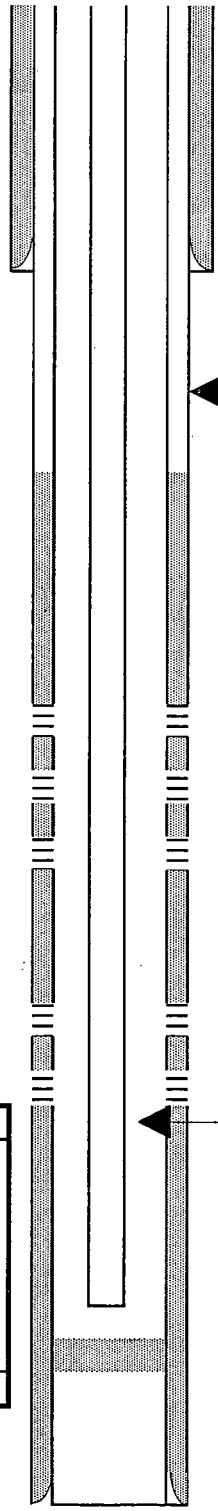
11/21/91	Spud date
6/2/82	Completion date

Well Status: Inactive oil well
Last oil sold 10/1989

No USDW was logged in the Uinta formation.

No USDW was logged in the Green River formation.

See exhibit: "Dwights Discover." Dated 02/02/98. Well drilled by Gulf Oil Corp. and Coors Energy and completed as an oil well.



GL: 5643
KB: 5655

Surface Hole Size 12 1/4"

8-5/8" 24# J-55 Surface Csg @ 1538' KB

Hole Size 7 7/8" bit

5 1/2" 15.5# J-55 Csg @ 3098'
Cmt'd w/ 525 sxs

Perf's:
Green River Formation
2440 to 2447'
2457 to 2464'
2813 to 2822'. Squeezed
2955 to 2963'. Squeezed
3043 to 3070'. Squeezed
No ISIP's were logged.

Tubing: 77 Jts. 2 7/8" @ 2380'

PBTD @ 3052' KB
TD @ 3000' KB

not to scale

Gulf Oil Corp. (Coors Energy)
Ute Tribal # 01-28 D3 (2064' FSL & 660' FEL) N/2 NE SE Section 28-4S-3W Wildcat Field Duchesne Co, Utah
API #43-013-30593

Dwights Discover CD-ROM
Copyright 1998 Rockies
ID: R-118350-0 Original
Run Date: 2-Feb-98

State : Utah US Merid 4S - 3W - 28 n/2 ne se

County: DUCHESNE Oper: GULF OIL CORP

Field : WILDCAT Compl: 06/02/1982 W O OIL

Well: UTE TRIBAL #1-28D3 Last Info: 03/22/1991
Ftg: 2064 fsl 660 fel
Lat-Long by TDG: 40.104263 - 110.220306
Oper Address: PO Box 2619, Casper WY 82602
Obj: 6700 Green River Permit #: 08/17/1981 API: 43-013-3059300
Elev: 5655KB

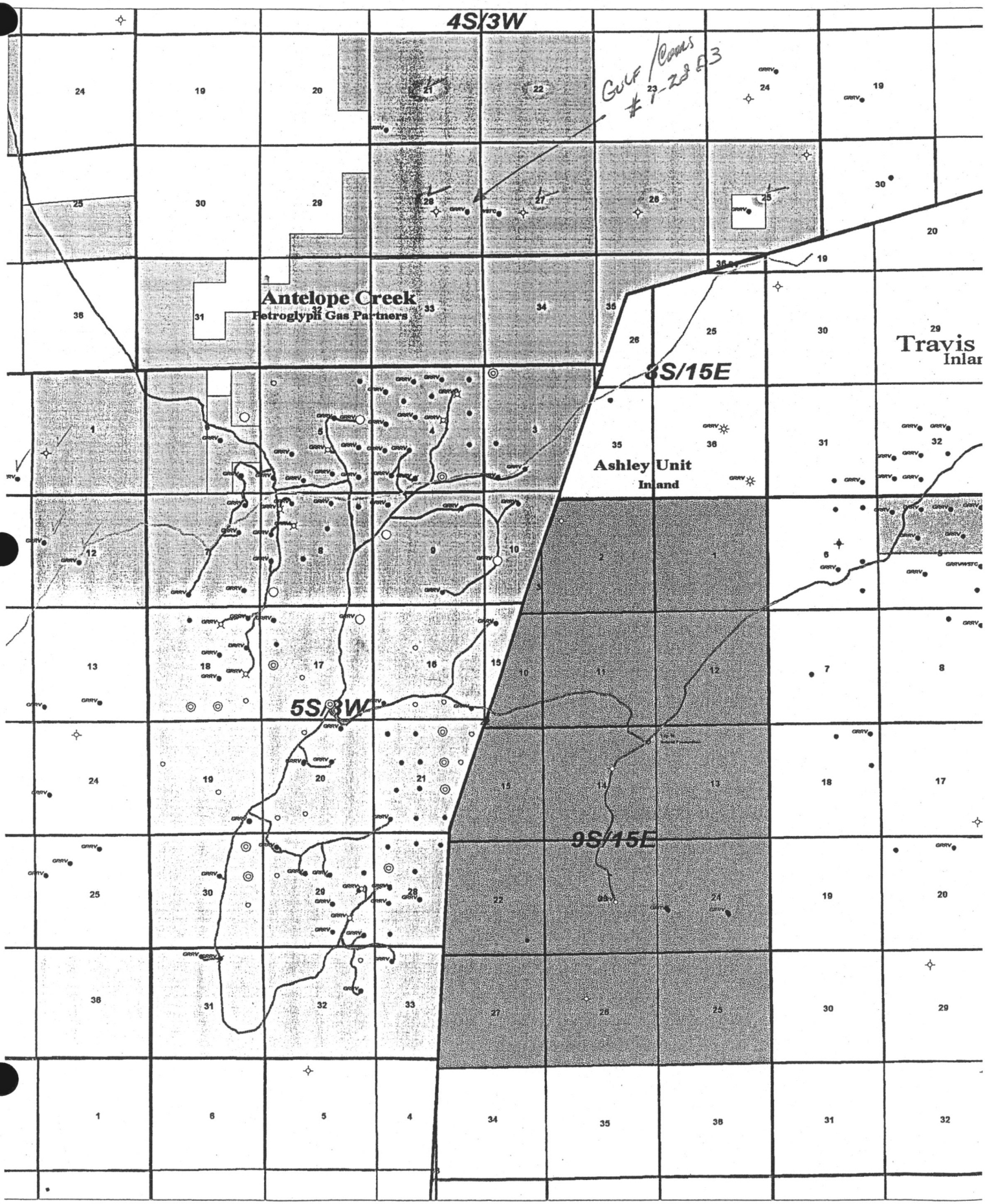
Spud: 11/21/1981 Contr: Landmark Rig #: 101
TD: 3100 on 12/06/1981 PB: 2550

Elev: 5655KB FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)
(Source: H=Dwights,I=IOG,T=Govt,S=Shell,U=USGS,R=NRIS
M=Munger,N=NDGS,B=Boyd,G=GDS,X=Proprietary)

Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
Green River	1232	4423	L H				

Notes :
Casing: 8 5/8 @ 1538 - 5 1/2 @ 3098 w/525
Core : None
DST : None
Logs : DIL-GR FDC-CNL BHC DLL DTL
Tubing: 2 7/8 @ 2380
Perfs : 3043-3070
w/4 JSPF - trtd w/3500 gal diesel 2700 gal 7 1/2% HCL - sqzd
2955-2963

w/4 JSPF - trtd w/1000 gal diesel 1000 gal 7 1/2% HCL - sqzd
2813-2822
- sqzd
2440-2464 (Green River)
@ 2457-64 2440-47 (Green River) w/4 SPF
PZone : 2440-2464 (Green River)
IP : F 56 BOPD grav 14, GTSTM on 1 in ck, 10 BWPD FTP 20
Journl: 12/10/81 plugged back to 3052, rigging dwn @ 3100. 12/16/81 WOCT.
2/11/82 completing. 4/1/82 temporarily shut in. 5/26/82 temporarily abandoned.
7/15/82 completed oil well.


4S/3W
Antelope Creek
Petroglyph Gas Partners
Travis
Inlar
3S/15E
Ashley Unit
Inland
5S/3W
9S/15E
GULF / Coors
1-28 E3

Ute Tribal # 02-28 BL
Wellbore Diagram
Plugged and Abandoned

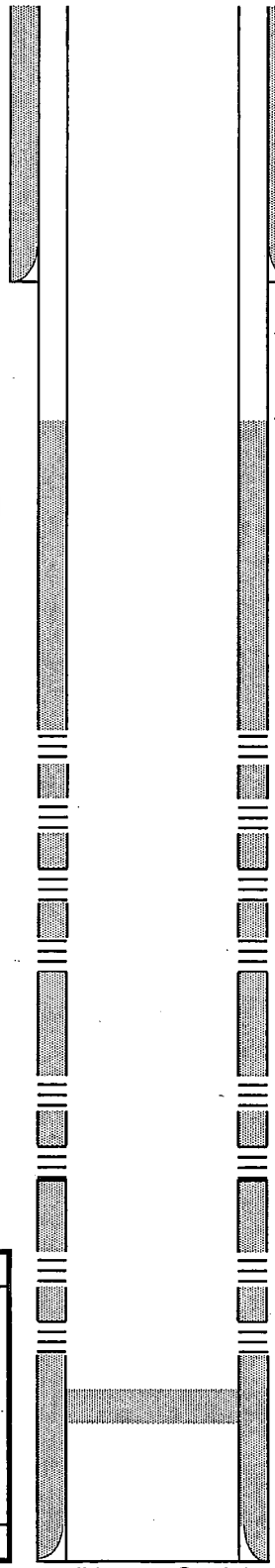
Well History:
05/05/88 Spud date
09/28/80 Completion date

Well Status: Plugged and Abandoned

No USDW was logged in the Uinta formation.

No USDW was logged in the Green River formation.

See exhibit: "Dwights Discover." Dated 02/02/98. Well drilled and completed by Coors Energy Co.



GL: 5667
KB: 5682

Surface Hole Size 12 1/4"

8-5/8" 24# J-55 Surface Csg @ 320 KB Cmt'd w/ 250 sxs

Hole Size 7 7/8" bit

Cement top @ 318' KB
5 1/2" 15.5# K-55 CSG @ 3096' Cmt'd w/ 650 sxs

Perf's:
Green River Formation
1702 to 1770'
1775 to 1825'
1840 to 1900'
1880 to 1930'
2108 to 2244'
2580 to 2615'
2870 to 2920'
2980 to 3040'
All zones were broken down and tested. No ISIP's were recorded.

PBTD @ 3037
TD @ 3100' KB

(Not to Scale)

Coors Energy Co.
Ute Tribal # 02-28 BL (2100' FSL & 2150' FEL) NW NW SE Section 28-4S-3W Bridgeland Field Duchesne Co, Utah
API # 43-013-31209

THE REPRODUCTION OF PEOPLE IN WHOLE OR PART PROHIBITED

POMRENKE

Acoustic Cement Bond Log VDL

FILE NO.

COMPANY COORS ENERGY COMPANY

WELL UTE TRIBAL 2-28BL

FIELD BRIDGELAND

COUNTY DUCHESNE STATE UTAH

LOCATION: 2150 FEL & 2199 FSL

SEC 28 TWP 4S RGE 3W

Other Services: GAMMA RAY, CCL, DELTA TIME

Permanent Datum GROUND LEVEL Elev. 5667

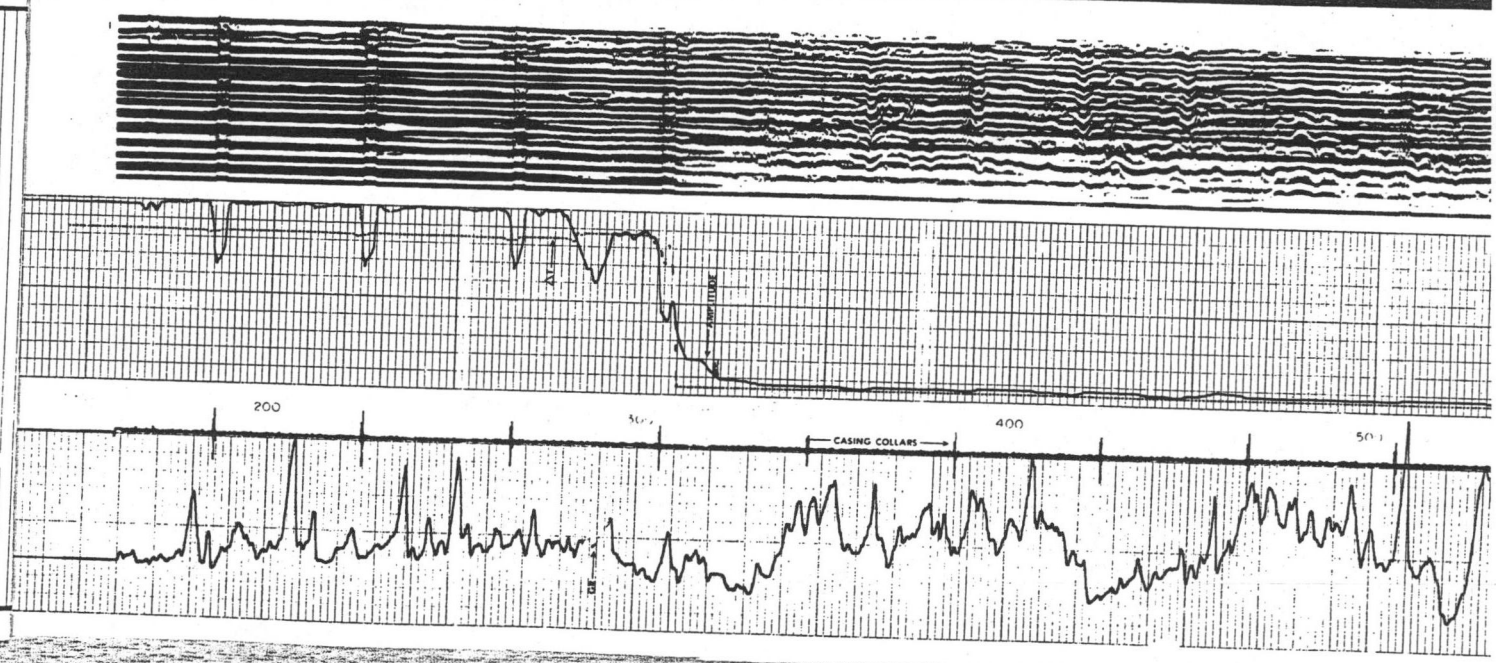
Log Measured from KELLY BUSHING, 15 Ft. Above Permanent Datum

Drilling Measured from KELLY BUSHING

Elevations: KB 5682, DF 5681, GL 5667

Date	6-7-88	CSG. RECORD	Surface	Protection	Production	Liner
Run No.	ONE	Size			5 1/2"	
Depth-Driller	3100	Wt./Ft.			15.5#	
Depth-Logger	3037	Grade				
Bottom Logged Int.	3033	Type Joint				
Top Logged Int.	160	Top			SURFACE	
Ft. Measured	2873	Bottom			T.D.	
Type Fluid in Csg.	WATER	PRIMARY CEMENTING DATA				
Density of Fluid		Type Cement				
Fluid Level	SURFACE	Vol. of Cement				
Max. Temp. Deg. F.		Additive				
Tool Series No.	SIE	% Additive				
Tool Diam.	3.25	Retarder				
Standoff Size	CENTERED	% Retarder				
Logging Speed	30 FPM	Slurry Wt.				
R/A Log Type	SCINT.	Water Loss				
T.C.	.2	Drlg. Mud Type				
Sens. Setting	160	Drlg. Mud Wt.				
API Units/Div.	10	PRIMARY CEMENTING PROCEDURE				
Truck or Unit No.	303	Started Pumping			Preceding Fluid	
Location	ROCK SPGS	Plug on Bottom			Vol.	Bbls.
Opr. Rig Tim's	3 HRS	Pres. Released			Returns: Full Partial None	
Recorded by	WISE	Started Bond Log			Pipe Rot. During Pumping: Yes No	
Witnessed by	MR. SIMONTON	Finished Bond Log			Pipe Rot. After Plugdown: Yes No	

REMARKS: LOG RAN UNDER 0# PRESSURE @ SURFACE. *REPEAT SECTION LOGGED 2' DEEP TO SCHLUMBERGER DUAL LATERAL LOG DATED 5-17-88.



Dwights Discover CD-ROM
Copyright 1998 Rockies
ID: R-153487-0 Original
Run Date: 2-Feb-98

State : Utah US Merid 4S - 3W - 28 nw nw se

County: DUCHESNE Oper: COORS ENERGY CO

Field : BRIDGELAND Compl: 09/28/1988 D D P&A

Well: UTE TRIBAL #2-28BL Last Info: 03/30/1989
Ftg: 2100 fsl 2150 fel
Lat-Long by TDG: 40.104340 - 110.225647
Oper Address: PO Box 467, Golden CO 80402 - 303/278-7030
Obj: 7000 Green River Permit #: 03/30/1988 API: 43-013-3120900
Elev: 5682KB

Spud: 05/05/1988 Contr: Shelby Rig #: 11
TD: 3100 on 05/18/1988 Green River

Elev: 5682KB FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)
(Source: H=Dwights, I=IOG, T=Govt, S=Shell, U=USGS, R=NRIS
M=Munger, N=NDGS, B=Boyd, G=GDS, X=Proprietary)

Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
Green River	1300	4382	L H				

DDC : 10SW Myton (miles from the nearest city)
Casing: 8 5/8 @ 320 w/250
5 1/2 @ 3096 w/650
Core : None
DST : None
Perfs : 2980-3040 (Green River)
w/1 SP2F - bkdn w/80 bbl 2% KCl wtr 40 ball slrs - CIBP @ 2960
2870-2920 (Green River)
w/1 SPF - bkdn w/60 ball slrs 100 bbls wtr - CIBP @ 2800
2580-2615 (Green River)
w/2 SPF - bkdn w/145 bbls KCl wtr 80 ball slrs - CIBP @ 2350
2108-2244 (Green River)
w/1 SPF - bkdn w/75 bbls KCl wtr 50 ball slrs - CIBP @ 1990
1880-1930 (Green River)
w/50 total shots - bkdn w/145 bbls KCl wtr 75 ball slrs
1840-1900 (Green River)
w/4 SPF - trtd w/NARS & N2 - acid @ 1840-1930 w/4000 gal 7 1/2% HCl
250 ball sealers
1775-1825 (Green River)
w/1 SP3F
1702-1770 (Green River)
w/1 SPF @ 1702-1730 1738-1770 - acid perfs 1702-1825 w/5% Xylene 95
gal 7 1/2% HCl w/ball slrs
Journl: 5/9/88 drlg.
5/12/88 drld to 320; WO Shelby rig #11 to move over.
5/19/88 reached TD; WOCT.
5/27/88 reached TD; WOCT.
6/8/88 preparing to swab.
6/16/88 swabbing.
6/29/88 swab tstg.
7/20/88 SI, WO evaluation.
8/22/88 SI, WO evaluation.

Continued

Dwights Discover CD-ROM
Copyright 1998 Rockies
ID: R-153487-0 Original
Run Date: 2-Feb-98

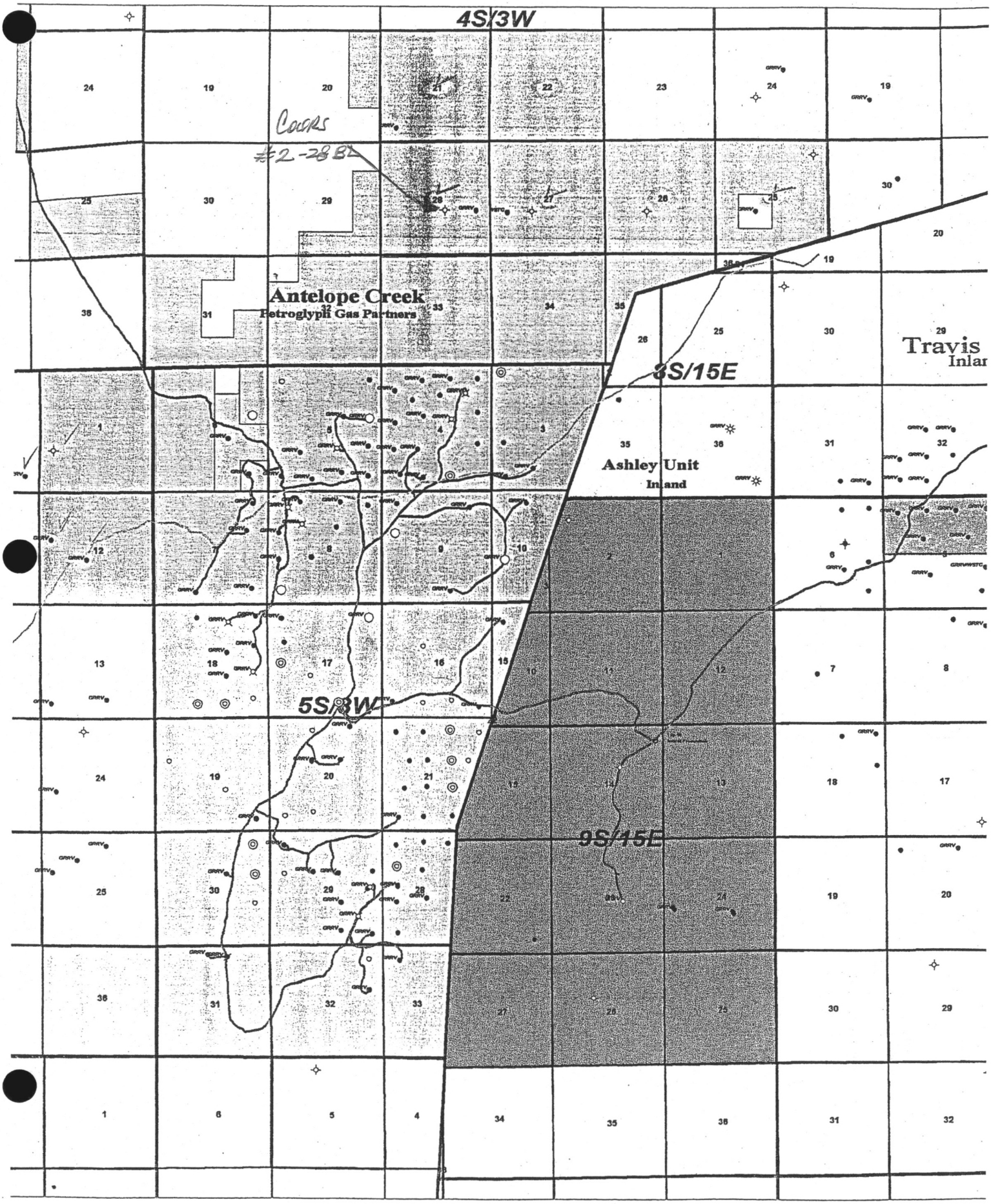
State : Utah US Merid 4S - 3W - 28 nw nw se

County: DUCHESNE Oper: COORS ENERGY CO

Field : BRIDGELAND Compl: 09/28/1988 D D P&A

Continued

Journl: 9/20/88 perf'd, preparing to acidize.
9/28/88 preparing to plug & abandon.
10/7/88 plugged & abandoned.


4S/3W
Coors
#2-28 B2
Antelope Creek
Petroglyph Gas Partners
Travis
Inlan
8S/15E
Ashley Unit
Inland
5S/3W
9S/15E

Ute Tribal # 33-08D3
Wellbore Diagram

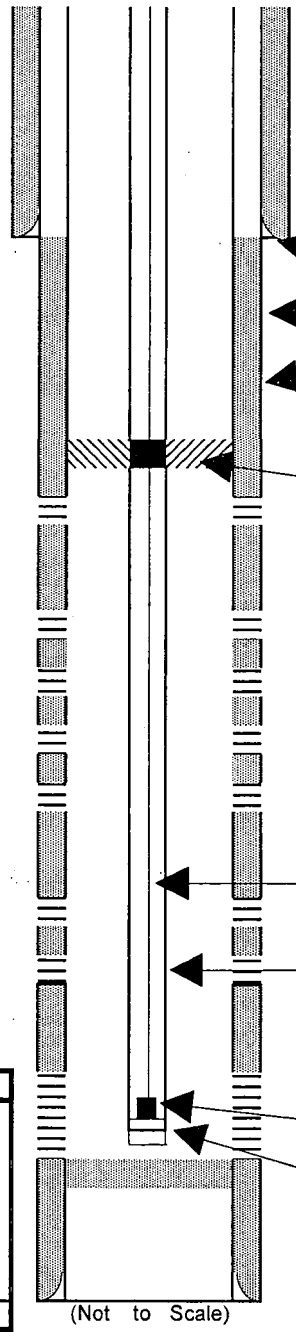
Well History:
11/23/97 Spud Well
1/9/98 First Production

No USDW found in the Uinta formation See exhibit; "Water encountered during drilling." Blow tests at 648' and 1305'.

Top of Green River formation at 1666'.

No USDW found in the Green River formation.

Water analysis for total dissolved solids for this well are available. See exhibit attached "Water Analysis Report."



GL: 5787
KB: 5797

8 5/8" 24# J55 Surface csg @ 505' KB with 280 sxs.

Surface hole size : 12 ¼"

Hole size: 7 7/8" bit

Cement top @ 685' KB
5 ½" 15.5 J55 csg @ 6531' KB cmt'd with 630 sxs

Tubing anchor @ 4257' KB

Perf's:

B6.2	4343 to 4347'.	ISIP 2100 psi.
B6.3	4441 to 4445'.	ISIP 3418 psi.
B10	4559 to 4563'.	ISIP 2659 psi.
C5.2	4902 to 4906'.	ISIP 2450 psi.
C6.1	5001 to 5006'.	ISIP 1893 psi.
D3.4	5324 to 5354'.	ISIP 2113 psi.
D3.3	5311 to 5314'	
D7.2	5582 to 5610'.	ISIP 2817 psi.
E01	5826 to 5832'.	ISIP 2020 psi.
H02	6428 to 6432'.	ISIP 2684 psi.

Rods: 85 7/8"
206 3/4"

Tubing @ 205 Jts. of 2 7/8" 6.5# J-55 @ 6350' KB

Pump: 2 ½" x 1 ¼" x 17'

PSN @ 6329' KB

PBTD: 6470' KB
TD: 6570' KB

(Not to Scale)

Petroglyph Operating Co., Inc.

Ute Tribal #33-08D3
(1848' FNL & 762' FEL)
SE NE Section 33 - 4S - 3W
Antelope Creek Field
Duchesne Co. Utah

API #43-013-31956 ; LEASE #14-20-H62-4736

FORM 7

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number: UTE Tribal 33-08 D3

API number: 43-013-31956

2. Well Location: QQ SENE Section 33 Township 4S Range 3W County Duchesne

3. Well operator: Petroglyph Operating Co., Inc.

Address: P.O. Box 607
Roosevelt, UT 84066 Phone: (801) 722-2531

4. Drilling contractor: Union Drilling

Address: P.O. Drawer 40
Buckhannon, WV 26201 Phone: (304) 472-4610

5. Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
0	648	Dust	
648	1305	Hole Damp	
1305		1/2 gal 5 min	

FAXED
DEC 02 1997
By

6. Formation tops:

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge. Date: 12/1/97

Name & Signature: Donna K Bell Title: Operations Coordinator

RECEIVED DEC 3 1997

Champion Technologies, Inc.
2060 SOUTH 1500 EAST
VERNAL, UTAH 84078
Telephone (801) 789-4327

Water Analysis Report

Customer :	Petroglyph Operating Company	Field :	Antelope Creek Unit
Address :	P.O. Box 607	Lease :	Antelope Creek Unit
City :	Roosevelt	Well :	Ute Tribal 33-08D3
State :	UT Postal Code : 84066-	Sample Point :	wellhead
Attention :	Vince Guinn	Date Sampled :	02-Feb-98
cc1 :	Gene Searle	Date Received :	03-Feb-98
cc2 :	Glen Afferbach	Date Entered :	04-Feb-98
cc3 :	Ralph Nelms	Salesman :	Lee Gardiner
Comments :		Analyst :	Karen Hawkins Allen

CATIONS

Calcium :	208	mg/l
Magnesium :	122	mg/l
Barium :	8	mg/l
Strontium :	8	mg/l
Iron :	2	mg/l
Sodium :	4917	mg/l

ANIONS

Chloride :	7,600	mg/l
Carbonate :	36	mg/l
Bicarbonate :	1,037	mg/l
Sulfate :	155	mg/l

pH (field) :	8.10		Specific Gravity :	1.01	grams/ml.
Temperature:	85	degrees F	Total Dissolved Solids :	14,093	ppm
Ionic Strength :	0.23		CO2 in Water :	1	mg/l
Resistivity :	0.51	ohm/meters	CO2 in Gas :	0.03	mole %
			H2S in Water :	0.0	mg/l
Ammonia :		ppm	Dissolved Oxygen :		mg/l

SI calculations based on Tomson-Oddo parameters

Calcite (CaCO3) SI :	1.92	Calcite PTB :	177.4
Calcite (CaCO3) SI @ 100 F :	2.07	Calcite PTB @ 100 F :	178.7
Calcite (CaCO3) SI @ 120 F :	2.28	Calcite PTB @ 120 F :	179.9
Calcite (CaCO3) SI @ 140 F :	2.50	Calcite PTB @ 140 F :	180.7
Calcite (CaCO3) SI @ 160 F :	2.73	Calcite PTB @ 160 F :	181.2
Gypsum (CaSO4) SI :	-2.05	Gypsum PTB :	N/A
Barite (BaSO4) SI :	1.47	Barite PTB :	4.5
Celestite (SrSO4) SI :	-1.41	Celestite PTB :	N/A

DRILLING REPORT

12/9/97

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.
Lease: Ute Tribal 33-08D3
API #: 43-013-31956 **Property:** 1239
Location: 33 - 4 S - 3 W
County, St.: Duchesne UT

Elevation: 0
0

AFE/EPE Number:

Activity Date	Daily Cost	Drilling Depth	Daily Footage	Activity Description
12/1/97	68,786.00			Finish POOH w/DP & DC. RU HES & log well w/CNL w/gamma ray & AIT. MRI log failed during logging process & was aborted. RD HES & RU Westates Casers. Run 5 1/2" x 15.5# J55 casing to 6531. RU HES & cement w/230 sxs Highfill @ 11 ppg & 3.79 cuft/sx. (Clac 3890' to 1002') 400 sxs Thixotropic @ 14.2 ppg & 1.6 cuft/sx. (Calc. From 6531' to 3890') Displaced w/155 bbls K/wtr & bumped plug @ 12:00 a.m. on 12/01/97. Released rig to move to 34-05 D3. Centralizers ran @ middle of shoe joint & top of each 2nd jnt to #18 & each 3rd jnt to #57. Total of 24 ran. Marker jnt ran @ 3968'. FINAL REPORT
11/30/97	$9,775.00	6,577	862	Drill 7 7/8" hole to TD @ 6577'. Survey @ 2 1/2 deg @ 6300'. Pump sweep & POOH laying down DP & DC. TD @ 12:45 a.m. on 11/30/97.
11/29/97	$8,958.00	5,715	790	Drilling 7 7/8" hole w/fluid @ 5715 @ 35 min/kelly. Surveys @ 2 1/2 deg @ 5120' & 2 3/4 deg @ 5622'.
11/28/97	$9,582.00	4,925	845	Drilling 7 7/8" hole w/fluid @ 4925' @ 35 min/kelly. Surveys @ 2 deg @ 4038' & 2 1/4 deg @ 4533'.
11/27/97	14,549.00	4,080	1,283	Drilling 7 7/8" hole w/foam @ 4080' @ 30 min/kelly. Surveys @ 1 3/4 deg @ 3537'. Will load hole & trip for motor today.
11/26/97	16,805.00	2,797	1,482	Drilling 7 7/8" hole w/foam @ 2797' @ 35 min/kelly. Surveys @ 1/4 deg @ 1500', 3/4 deg @ 2035' and 1 1/2 deg @ 2530'.
11/25/97	$9,136.00	1,315	805	NU BOP's & drill 7 7/8" hole w/air to 1315' @ 25 min/kelly. Surveys @ 3/4 deg @ 528' & 1/2 deg @ 1016'. Blow test @ 527' dry & wet @ 648' w/ no measurable wtr.

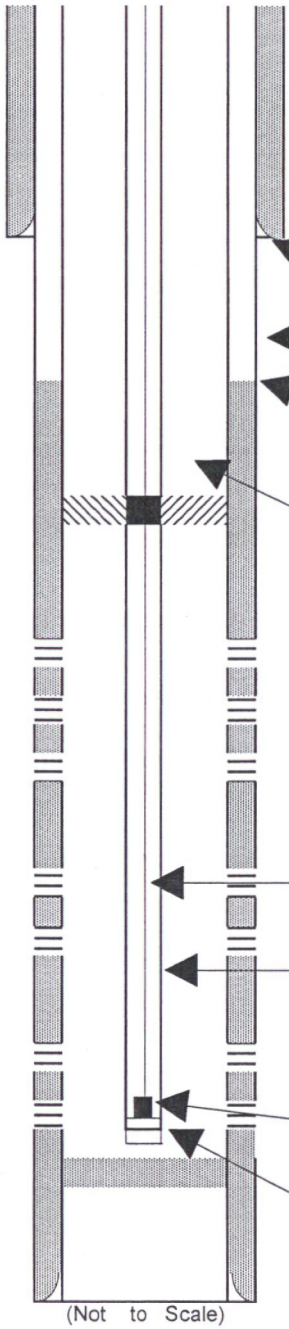
Ute Tribal # 33-09D3
Wellbore Diagram

Well History:
10/22/97 Spud Well
12/16/97 First Production

No USDW was found in the Uinta formation. See exhibit, "Water encounted during drilling."

Top of Green River formation at 1686'. No USDW found in the Green River formation.

Water analysis for total dissolved solids are available. See attached exhibit: Water Analysis Report.



GL: 5825
KB: 5835

8 5/8" 24# J55 Surface csg @ 427' KB with 250 sxs.

Surface hole size : 12 ¼"

Hole size: 7 7/8" bit

Cement top @ 570'KB
5 ½" 15.5 J55 csg @ 6505' KB cmt'd with 580 sxs

Tubing anchor @ 4685' KB

Perf's:

B11	4606 to 4610'.	ISIP 2470 psi.
C06	4999 to 5003'.	ISIP 2220 psi.
D03	5302 to 5308'.	ISIP 1805 psi.
D03	5320 to 5328'.	
D7.2	5502 to 5508'.	ISIP 3805 psi.
D7.2	5552 to 5562'.	
D7.2	5596 to 5600'.	

Rods: 84 7/8"
125 3/4"

Tubing @ 186 Jts. of 2 7/8" 6.5# J-55 @ 5700' KB

Pump: 2 ½" x 1 3/4" x 16'

PSN @ 5605' KB

PBTD: 6434' KB
TD: 6534' KB

(Not to Scale)

Petroglyph Operating Co., Inc.

Ute Tribal #33-09D3
(2008' FSL & 553' FEL)
NW SE Section 33 - 4S - 3W
Antelope Creek Field
Duchesne Co. Utah

API #43-013-31934 ; LEASE #14-20-H62-4736

Champion Technologies, Inc.
2060 SOUTH 1500 EAST
VERNAL, UTAH 84078
Telephone (801) 789-4327

Water Analysis Report

Customer :	Petroglyph Operating Company	Field :	Antelope Creek Unit
Address :	P.O. Box 607	Lease :	Antelope Creek Unit
City :	Roosevelt	Well :	Ute Tribal 03-09D3
State :	UT Postal Code : 84066-	Sample Point :	wellhead
Attention :	Vince Guinn	Date Sampled :	02-Feb-98
cc1 :	Gene Searle	Date Received :	03-Feb-98
cc2 :	Glen Afferbach	Date Entered :	04-Feb-98
cc3 :	Ralph Nelms	Salesman :	Lee Gardiner
Comments :		Analyst :	Karen Hawkins Allen

CATIONS			ANIONS		
Calcium :	320	mg/l	Chloride :	7,800	mg/l
Magnesium :	233	mg/l	Carbonate :	48	mg/l
Barium :	4	mg/l	Bicarbonate :	427	mg/l
Strontium :	4	mg/l	Sulfate :	108	mg/l
Iron :	1	mg/l			
Sodium :	4460	mg/l			

pH (field) :	8.31		Specific Gravity :	1.01	grams/ml.
Temperature:	85	degrees F	Total Dissolved Solids :	13,405	ppm
Ionic Strength :	0.23		CO2 in Water :	1	mg/l
Resistivity :	0.6	ohm/meters	CO2 in Gas :	0.03	mole %
			H2S in Water :	0.0	mg/l
Ammonia :		ppm	Dissolved Oxygen :		mg/l

SI calculations based on Tomson-Oddo parameters

Calcite (CaCO3) SI :	1.34	Calcite PTB :	164.0
Calcite (CaCO3) SI @ 100 F :	1.49	Calcite PTB @ 100 F :	173.8
Calcite (CaCO3) SI @ 120 F :	1.70	Calcite PTB @ 120 F :	185.8
Calcite (CaCO3) SI @ 140 F :	1.92	Calcite PTB @ 140 F :	196.2
Calcite (CaCO3) SI @ 160 F :	2.14	Calcite PTB @ 160 F :	204.9
Gypsum (CaSO4) SI :	-2.06	Gypsum PTB :	N/A
Barite (BaSO4) SI :	0.97	Barite PTB :	2.1
Celestite (SrSO4) SI :	-1.91	Celestite PTB :	N/A

FORM 7

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number: Ute Tribal 33-09D3W

API number: 43-013-31934

2. Well Location: QQ NESE Section 33 Township 4S Range 3W County Duchesne

3. Well operator: Petroglyph Operating Company, Inc.

Address: P.O. Box 607
Roosevelt, UT 84066 Phone: (801) 722-2531

4. Drilling contractor: Union Drilling Inc.

Address: Drawer 40
Buckhannon W.VA 26201 Phone: (304) 472-4610

5. Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
0	502	Blowtest	DRY
0	939	Hole Damp no air w/o soap pump no sample	
939	1336	1/8"x7" 1GAL/5MIN	Flow Test @ 1336
1336	3070	1/8 x 7	
3070		+2" x7" w/0.1	

6. Formation tops:

alysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge. Date: 10-25-97

Name & Signature: [signature] Title: Driller

(7/93)

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WF

DRILLING REPORT

11/10/97 *Petroglyph Operating Co., Inc.*

Operator: Petroglyph Operating Company, Inc.
Lease: Ute Tribal 33-09 D3
API #: 43-013-31934 **Property:** 50166
Location: 33 - 4 S - 3 W
County, St.: Duchesne UT

Elevation: 0
0

AFE/EPE Number:

Activity Date	Daily Cost	Drilling Depth	Daily Footage	Activity Description
10/30/97	$78,909.00			RU & run 145 jnts 5 1/2" x 15.5# J55 LTC Casing to 6505' KB. RU HES & cement casing w/220 sacks highfill @ 11 ppg & 3.79 cuft/sx plus 360 sacks Thixotropic @ 14.2 ppg & 1.6 cuft/sx. Top Highfill calc @ 1000' & top of tail cement @ 3928'. Displace w/ k wtr. Bumped plug @ 2:20 p.m. on 10/29/97. Set casing in slips & release rig to prep to move to Ute Tribal 33-10 in AM. Centralizers ran at middle of shoe jnt & top of 2,4,6,8,10,12,14,16,18,20,22,24,27,30,33,35,38,41,48,51, & 54. Short marker jnt ran in string @ 3968'. FINAL UNTIL COMPLETION
10/29/97	$5,318.00	6,533	469	Drill 7 7/8" hole w/fluid to TD @ 6533'. TD @ 5 p.m. on 10/28/97. Pump sweep & POOH w/DP & DC. RU Schlumberger & log well w/CNL, AIT, & FMI.
10/28/97	$10,602.00	6,064	935	Drillling 7 7/8" hole W fluid @ 6064' @ 40 min/kelly. Surveys @ 1 1/2 deg @ 5300' & 1 3/4 deg @ 5811'.
10/27/97	$10,058.00	5,129	887	Drilling 7 7/8" hole w/ fluid @ 5129' @ 40 min/kelly. Surveys @ 1 deg @ 4300' & 1 1/4 deg @ 4810'.
10/26/97	$7,144.00	4,242	630	Drilling 7 7/8" hole w/fluid @ 4242' @ 40 min/kelly. No surveys reported. 2" flow of water & oil @ 3070'.
10/25/97	$10,738.00	3,612	947	Drilling 7 7/8" hole w/foam @ 3612' @ 35 min/kelly. Surveys @ 2625' & 2 1/4 deg @ 3193'.
10/24/97	$15,932.00	2,665	1,405	Drilling 7 7/8" hole w/foam @ 2665' @ 20 min/kelly. Surveys @ 1 1/2 deg @ 1650', and 2 deg @ 2155'.
10/23/97	$9,219.00	1,260	813	NU & test BOP's. Drill 7 7/8" hole w/foam to 1260' @ 25 min/kelly. Surveys at 1/4 deg @ 580' & 3/4 deg @ 1077'. Blow test @ 582' dry, & damp @ 939'.

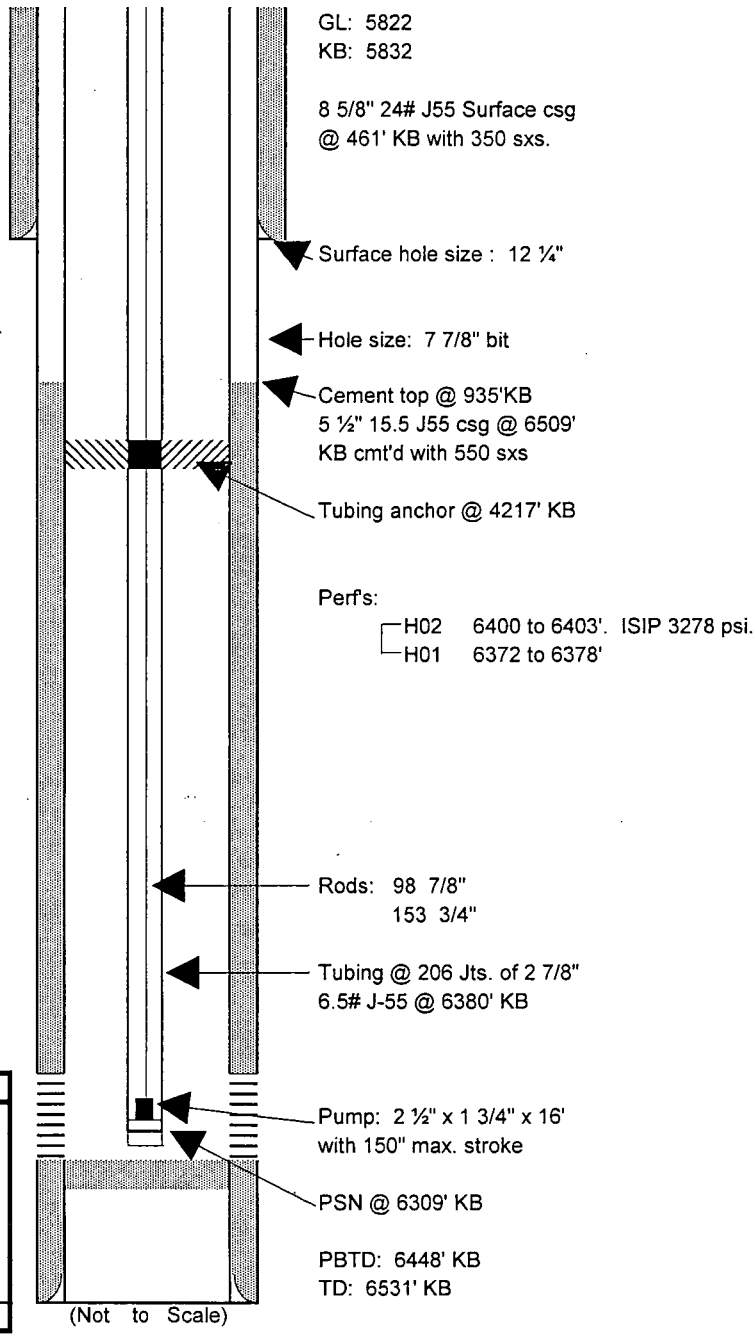
Ute Tribal # 33-10D3
Wellbore Diagram

Well History:
10/31/97 Spud Well
12/16/97 First Production

No USDW was found in the Uinta formation. See exhibit, "Water encounted during drilling." Blow tests taken at 475', 1125', and 1303'.

Top of Green River formation at 1654'. No USDW found in the Green River formation.

Water analysis for total dissolved solids are not available.



Petroglyph Operating Co., Inc.
Ute Tribal #33-10D3 (1979' FSL & 1980' FEL) NW SE Section 33 - 4S - 3W Antelope Creek Field Duchesne Co. Utah
API #43-013-31935 ; LEASE #14-20-H62-4736

FORM 7

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number: UTE Tribal 33-10D3

API number: 43-013-31935

2. Well Location: QQ NWSE Section 33 Township 4S Range 3W County Duchesne

3. Well operator: Petroglyph Operating Company, Inc.

Address: P.O. Box 607
Roosevelt, UT 84066 Phone: (801) 722-2531

4. Drilling contractor: Union Drilling INC

Address: P.O. Drawer 40
Buckhannon, WV 26201 Phone: (304) 472-4610

5. Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
0	475		Dust
475	1125	Dry	
1125	1306	Hole Damp no circ w/o sample	No sample
1306		1/2 gal 5 min	oil @ 2760
1306	3065	+ 1" x 7"	

6. Formation tops:

FAXED
DEC 02 1997
By

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge. Date: 11-15-97

Name & Signature: Deanna Bell Title: Operations Coordinator

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DRILLING REPORT

12/9/97

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.
Lease: Ute Tribal 33-10 D3
API #: 43-013-31935 **Property:** 50167
Location: 33 - 4 S - 3 W
County, St.: Duchesne UT

Elevation: 0
0

AFE/EPE Number:

Activity Date	Daily Cost	Drilling Depth	Daily Footage	Activity Description
11/7/97	72,400.00			Finish logging well. RD Schlumberger & RU T&M Casers. Run 5 1/2" x 24# J55 LTC casing to 6509' KB. RU HES & cement production casing w/200 sx Highfill @ 11 ppg @ 3.79 cuft/sx. (Calc. from 3864' to 1132' w/45% excess). 350 sacks Thixotropic @ 14.2 ppg @ 1.6 cuft/sx. (Calc from 6509' to 3864' w/15% excess. Set casing in slips @ 6:30 p.m. on 11/6/97. Release rig to move to Ute Tribal 33-11 D3. Float Collar @ 6465' Marker Joint @ 3980' Centralizers ran @ middle of shoe joint & top of #2,4,6,8,10,12,14,16,18,20,22,24,27,30,33,35,38,41,43,45,48,51,54,& 57 FINAL REPORT UNTIL COMPLETION
11/6/97	$8,164.00	6,530	720	Drilling 7 7/8" hole to TD at 6530' @ 10:45 a.m. on 11/5/97. Pump sweep & POOH w/ DP & DC. RU Schlumberger & log well with CNL & AIT.
11/5/97	10,829.00	5,810	955	Drilling 7 7/8" hole @ 5810' @ 35 min/kelly. Surveys @ 1 3/4 deg @ 5125' & 2 1/4 deg @ 5650'.
11/4/97	$9,242.00	4,855	815	Drilling 7 7/8" hole @ 4855' @ 35 min/kelly. Survey @ 1 3/4 deg @ 4680'.
11/3/97	14,458.00	4,040	1,275	Drilling 7 7/8" hole w/foam @ 4040' @ 30 min/kelly. Surveys @ 1 1/4 deg @ 3502' & 1 1/2 deg @ 3910'.
11/2/97	16,724.00	2,765	1,480	Drilling 7 7/8" hole w/foam @ 2765' @ 30 min/kelly. Surveys @ 3/4 deg @ 1490', 1 deg @ 1996' & 1 deg @ 2496'.
11/1/97	$9,320.00	1,285	814	RU & test BOP's. Drill 7 7/8" hole w/foam to 1285' @ 30 min/kelly. Surveys @ 3/4 deg @ 559' & 3/4 deg @ 1076'.

Ute Tribal #33-11 D3
Wellbore Diagram

Well History:

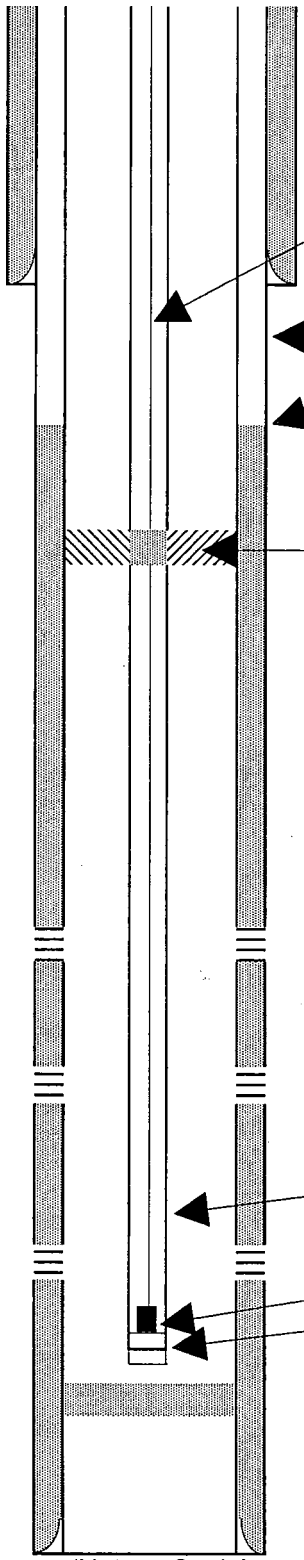
11/08/97 Spud Well

01/01/98 First Production

No USDW was found in the Uinta formation.

Top of Green River formation at 1670'. No USDW found in the Green River formation.

Water analysis for total dissolved solids are not available.



GL: 5863
KB: 5873

Surface Hole Size 12 1/4"

8-5/8" 24# J-55 Surface Csg @ 457 KB Cmt'd w/ 250 sxs

Rods: 131 3/4"
77 7/8"

Hole Size 7 7/8" bit

Cement top @ 2070' KB
5 1/2" 15.5# K-55 CSG @ 6510'
Cmt'd w/ 440 sxs

Tubing Anchor @ 4419' KB

Perf's:

B08	4498 to 4508'.	Screened out.
C04	4842 to 4848'.	ISIP 1954 psi.
D7.21	5572 to 5582'.	ISIP 2875 psi.

Tubing: 184 jts of 2 7/8" 6.5# J-55 @ 5698' KB

Pump: 2 ½" x 1 3/4" x 16'

PSN @ 5627' KB

PBTD @ 6442

TD @ 6522' KB

(Not to Scale)

Petroglyph Operating Co., Inc.
Ute Tribal #33-11 D3 (1980' FSL & 1980' FWL) NE SW Section 33-T4S-R3W Antelope Creek Field Duchesne Co. Utah
API #43-013-31957 ; LEASE #14-20-H62-4736

DRILLING REPORT

12/9/97

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.
Lease: Ute Tribal 33-11 D3
API #: 43-013-31957 **Property:** 1242
Location: 33 - 4 S - 3 W
County, St.: Duchesne UT

Elevation: 0
0

AFE/EPE Number:

Activity Date	Daily Cost	Drilling Depth	Daily Footage	Activity Description
11/15/97	70,202.00			Finish logging well. RU & run 5 1/2" x 15# casing to 6510'. RU HES & cement casing w/100 sxs highfill @ 11 ppg & 3.79 cuft/sx. lead slurry calc from 3864' to 2443' plus 340 sxs Thixotropic @ 14.2 ppg & 1.6 cuft/sx tail slurry casing w/100 sxs Highfill @ 11 ppg & 3.79 cuft/sx lead slurry calc from 6510' to 3864'. Displace with k/wtr. Bump plug @ 3.15 p.m. Set slips & release rig @ 6:00 p.m. on 11/14/97.
				Centralizers ran at middle of shoe joint & top of #2, 4, 6, 8, 10, 12, 14, 16, 18, 21, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51, 54, & 57. Marker joint ran @ 3973'
				FINAL DRILLING REPORT
				Drill 7 7/8" hole to TD @ 6522'. Pump sweep & POOH Laying down DP & DC. RU Schlumberger & log well with CNL & AIT.
11/13/97	$9,979.00	5,675	880	Drilling 7 7/8" hole @ 5675' w/fluid @ 40 min/kelly. Surveys @ 1 1/2 deg @ 4966 & 1 1/2 deg @ 5465'.
11/12/97	$9,412.00	4,795	830	Drilling 7 7/8" hole w/fluid @ 4795' @ 30 min/kelly. Surveys @ 2 deg @ 4466'. Oil show @ pit @ +/- 4300'.
11/11/97	14,004.00	3,965	1,235	Drilling 7 7/8" hole w/foam @ 3965' @ 30 min/kelly. Surveys @ 1 1/2 deg @ 3880' and 2 deg @ 3783'.
11/10/97	15,422.00	2,730	1,360	Drilling 7 7/8" hole w/foam @ 2730' @ 25 min/kelly. Surveys @ 1 1/4 deg @ 2095' & 1 1/2 deg @ 2592'.
11/9/97	15,535.00	1,370	903	NU & test BOP's. Drill 7 7/8" hole w/foam to 1370' @ 30 min/kelly. Surveys @ 1/4 deg @ 528' & 1/2 deg @ 1100'. Blow test @ 485' dry and @ 1120' damp only.

DRILLING REPORT SHOWS A TAIL OF 100 SXS HITE CEMENT (HIGHFILL) - JOB LOG DOES NOT SHOW THIS TAIL CEMENT SLURRY.

HALLIBURTON®

JOB LOG 239-5

REGION: North America	NWA/COUNTRY: USA	BDA / STATE: Utah	COUNTY: [illegible]
MBU ID / EMP #: [illegible]	EMPLOYEE NAME: Dan H Huber	PSL DEPARTMENT: [illegible]	
LOC[illegible]: [illegible]	COMPANY: Petroglyph	CUSTOMER REP / PHONE: Chuck White	
TICKET AMOUNT: [illegible]	WELL TYPE: 01	API / UWI #:	
WELL LOCATION: [illegible]	DEPARTMENT: [illegible]	JOB PURPOSE CODE: 035	
LEASE / WELL #: [illegible]	SEC / TWP / RNG:		

TICKET #: [illegible]

TICKET DATE: [illegible]

HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS
[illegible]		[illegible]		[illegible]			
[illegible]		[illegible]					

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS T	PUMPS C	PRESS. (psi) Tbg	PRESS. (psi) Csg	JOB DESCRIPTION / REMARKS
	0500							Called out
	0900							on Location Rig up & safety meeting
	1415	8	0				132	start Freash ahead
	1430	8	100				355	end Fresh
	1430	7.5	0					start Lead cement @ 11.0 #/gal
	1440	7.5	67.5				200	end lead
	1440	8	0				200	start tail cement @ 14.2 #/gal
	1454	8	96.7				195	end tail
								wpL
	1455		0					Drop plug
	1455	~~[illegible]~~	0				130	start Disp
	1505	8.5	75				430	Catch cement
	1513	5	145				1630	Slow Rate
	1515	5	153.9				2570	end Disp

Thanks Dan

and

Crew

[illegible] 15 gal

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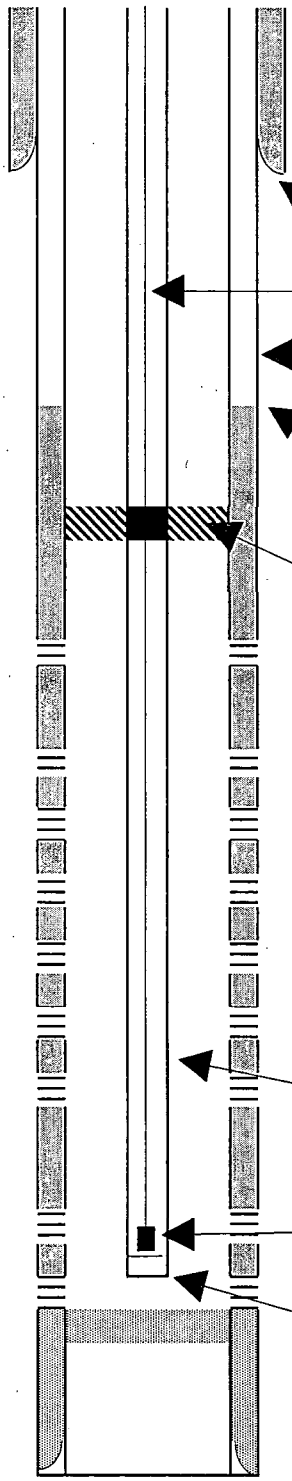
Ute Tribal #33-14D3
Wellbore Diagram

Well History:
10/13/97 Spud Well
12/14/97 First Production

No USDW was found in the Uinta formation. See exhibit, "Water encounted during drilling."

Top of Green River formation at 1670'. No USDW found in the Green River formation.

Water analysis for total dissolved solids are available. See attached exhibit: "Water Analysis Report."



GL: 5889
KB: 5899

8 5/8" 24# Surface CSG @ 443' KB cmt'd w/400 sxs

Surface Hole size 12 1/4"

Rods: 199 3/4"
85 7/8"

Hole Size 7 7/8" bit

Cement top @ 580' KB
5 1/2" 15.5# J-55 CSG @ 6453' cmt'd w/585 sxs.

Tubing Anchor @ 4198' KB

Perf's:

B6.2	4330 to 4336'.	ISIP 2840 psi.
B6.3	4343 to 4349'	
B10	4530 to 4536'.	Screened out
C4.2	4812 to 4816'.	ISIP 1900 psi.
C5.2	4953 to 4957'.	Screened out
D3.3	5252 to 5255'.	Screened out
D7.1	5436 to 5440'.	Screened out
D7.11	5465 to 5473'	
D7.2	5514 to 5526'.	ISIP 3555 psi.
H1	6313 to 6317'.	ISIP 2660 psi.
H2	6355 to 6358'	

Tubing: 200 jts of 2 7/8" 6.5# J-55@ 6214' KB

Pump: Trico 2 ½" x 1 ¼" x 17' w/ 150" max. stroke

PSN @ 6143' KB

PBTD @ 6365'
TD @ 6494' KB

(Not to Scale)

Petroglyph Operating Co., Inc.
Ute Tribal #33-14D3 (660' FSL & 1780' FWL) SE SW Section 33 - 4S - 3W Antelope Creek Field Duchesne Co. Utah
API #43-013-31936 ; LEASE #14-20-H62-4736

Champion Technologies, Inc.
2060 SOUTH 1500 EAST
VERNAL, UTAH 84078
Telephone (801) 789-4327

Water Analysis Report

Customer :	Petroglyph Operating Company	Field :	Antelope Creek Unit
Address :	P.O. Box 607	Lease :	Antelope Creek Unit
City :	Roosevelt	Well :	Ute Tribal 33-1403
State :	UT Postal Code : 84066-	Sample Point :	wellhead
Attention :	Vince Guinn	Date Sampled :	02-Feb-98
cc1 :	Gene Searle	Date Received :	03-Feb-98
cc2 :	Glen Afferbach	Date Entered :	04-Feb-98
cc3 :	Ralph Nelms	Salesman :	Lee Gardiner
Comments :		Analyst :	Karen Hawkins Allen

CATIONS

Calcium :	240	mg/l
Magnesium :	151	mg/l
Barium :	4	mg/l
Strontium :	4	mg/l
Iron :	2	mg/l
Sodium :	6034	mg/l

ANIONS

Chloride :	9,600	mg/l
Carbonate :	48	mg/l
Bicarbonate :	793	mg/l
Sulfate :	155	mg/l

pH (field) :	8.00		Specific Gravity :	1.01	grams/ml.
Temperature:	85	degrees F	Total Dissolved Solids :	17,031	ppm
Ionic Strength :	0.29		CO2 in Water :	1	mg/l
Resistivity :	0.42	ohm/meters	CO2 in Gas :	0.03	mole %
			H2S in Water :	0.0	mg/l
Ammonia :		ppm	Dissolved Oxygen :		mg/l

SI calculations based on Tomson-Oddo parameters

Calcite (CaCO3) SI :	1.63	Calcite PTB :	194.7
Calcite (CaCO3) SI @ 100 F :	1.78	Calcite PTB @ 100 F :	198.8
Calcite (CaCO3) SI @ 120 F :	1.99	Calcite PTB @ 120 F :	202.9
Calcite (CaCO3) SI @ 140 F :	2.21	Calcite PTB @ 140 F :	205.6
Calcite (CaCO3) SI @ 160 F :	2.44	Calcite PTB @ 160 F :	207.3
Gypsum (CaSO4) SI :	-2.04	Gypsum PTB :	N/A
Barite (BaSO4) SI :	1.06	Barite PTB :	2.1
Celestite (SrSO4) SI :	-1.79	Celestite PTB :	N/A

DRILLING REPORT

10/22/97 *Petroglyph Operating Co., Inc.*

Operator: Petroglyph Operating Company, Inc.
Lease: Ute Tribal 33-14 D3W
API #: 43-013-31936 **Property:** 50170
Location: 33 - 4 S - 3 W
County, St.: Duchesne UT

Elevation: GL 5889
KB 5899

AFE/EPE Number: 41365

Activity Date	Daily Cost	Drilling Depth	Daily Footage	Activity Description
10/20/97	$80,411.00	6,494	0	Finish POOH laying dwn DP-DC. Rig up Schlumberger & log well with CNL w/gamma ray, AIT & FMI. RU T&M Casers & run 5 1/2"x15.5# J55 csg to 6454'. RU HES & cement production csg w/230 sxs Highfill @ 11 ppg & 3.79 cu ft/sx plus 355 sxs Thixotropic @ 14.2 ppg & 1.6 cu ft/sx. Set scg in slips @ 9:00 p.m. on 10/19/97 & release rig to move to Ute Tribal 33-09 D3. Centralizers ran at middle of shoe joint & top of every other joint for first 10, then each third joint for next 14. Total of 25 centralizers ran. Short joint ran at +/- 4000'. Final until completion. PRODUCTION CASING DETAIL: 6453.6 .84 6452.76 44.8 csg 6407.96 1.03 csg (145 jts) 6406.93 6398.04 landing joint 8.89 12.25 Csg Landed @ 6453.6
10/19/97	$8,380.00	6,494	739	Drill 7 7/8" hole w/fluid to TD @ 6494'. Surveys @ 2 deg @ 5860' & 2 deg @ 6359'. Pump sweep & POOH laying dwn DP-DC.
10/18/97	$11,884.00	5,755	1,051	Drilling 7 7/8" hole w/fluid @ 5755' @ 30 min/kelly. Surveys @ 1 1/2 deg @ 4825' & 2 deg @ 5330'.
10/17/97	$8,255.00	4,704	725	Drilling 7 7/8" hole w/fluid @ 4704' @ 30 min/kelly. Survey @ 2 1/4 deg @ 4304'.
10/16/97	$13,199.00	3,979	1,164	Drilling 7 7/8" hole w/foam @ 3979' @ 40 min/kelly. Surveys @ 2 1/4 deg @ 3085' & 2 deg @ 3589'. Wtr @ 2 gal/min @ 3005' w/smell of trona.
10/15/97	$16,613.00	2,815	1,465	Drilling 7 7/8 hole w/foam @ 2815' @ 55 min/kelly. Surveys @ 1 deg @ 1565', 2 deg @ 2087' & 2 1/4 deg @ 2587'.
10/14/97	$15,309.00	1,350	893	NU & test BOPs. Drill 7 7/8 hole w/foam to 1350' @ 25 min/kelly. Surveys @ 3/4 deg @ 528' & 3/4 deg @ 1045'. Blow test @ 474' & 985' show damp only. Blow test @ 1307' shows 1 gal/min fresh wtr. Will cement to +/- 1000' on production string.

FORM 7

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number: Ute Tribal 33-14 D3

API number: 43-013-31963

2. Well Location: QQ Lot 3 Section 33 Township 4S Range 3W County Duchesne

3. Well operator: Petroglyph Operating Company, Inc.

Address: P.O. Box 607
Roosevelt, UT 84066 Phone: (435) 722-2531

4. Drilling contractor: Union Drilling

Address: P.O. Drawer 40
Buckhannon, WV 26201 Phone: (304) 472-4610

5. Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
0	474	Dust	
474	985	Dust	
985		Damp	
	1307	1gal/min	
	3005	2gal per min	

6. Formation tops:

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge. Date: 10/20/97

Name & Signature: Deana Bell Title: Operations Coordinator

Ute Tribal #33-15D3
Wellbore Diagram

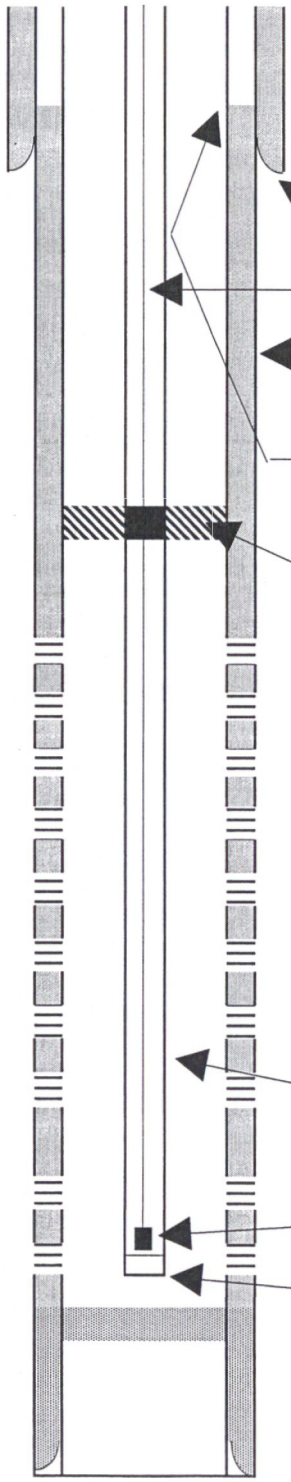
Well History:

10/4/97	Spud Well
12/8/97	First Production

No USDW was found in the Uinta formation. See exhibit "Water Encountered During Drilling."

Top of Green River formation at 1682'. No USDW found in the Green River formation.

Water analysis for total dissolved solids are available. See attached exhibit: "Water Analysis Report."



GL: 5872
KB: 5882

8 5/8" 24# Surface CSG @ 431' KB cmt'd w/275 sxs

Surface Hole size 12 1/4"

Rods: 148 3/4"
74 7/8"

Hole Size 7 7/8" bit

Cement top @ 90' KB
5 1/2" 15.5# J-55 CSG @ 6470' cmt'd w/693 sxs.

Tubing Anchor @ 4304' KB

Perf's:

B6.3	4391 to 4394'.	ISIP 4580 psi.
B7	4433 to 4437'.	ISIP 4480 psi.
B8	4478 to 4482'.	ISIP 2511 psi.
B10	4550 to 4554'.	ISIP 2590 psi.
C5.2	4874 to 4876'.	ISIP 2209 psi.
C5.3	4903 to 4909'.	
C6	4980 to 4985'.	ISIP 2275 psi.
C8.1	5044 to 5050'.	ISIP 2131 psi.
D3.2	5274 to 5280'.	ISIP 1847 psi.
D7.1	5449 to 5455'.	ISIP 3390 psi.
D7.2	5529 to 5535'.	ISIP 2397 psi.
D7.21	5580 to 5586'.	ISIP 2524 psi.

Tubing: 182 jts of 2 7/8" 6.5# J-55@ 5686' KB

Pump: 2 ½" x 1 ¼" x 17'

PSN @ 5584' KB

PBTD @ 5904'
TD @ 6522' KB

(Not to Scale)

Petroglyph Operating Co., Inc.
Ute Tribal #33-15D3 (597' FSL & 1818' FEL) Lot #2 SE Section 33 - 4S - 3W Antelope Creek Field Duchesne Co. Utah
API #43-013-31937 ; LEASE #14-20-H62-4736

Champion Technologies, Inc.
2060 SOUTH 1500 EAST
VERNAL, UTAH 84078
Telephone (801) 789-4327

Water Analysis Report

Customer :	Petroglyph Operating Company	Field :	Antelope Creek Unit
Address :	P.O. Box 607	Lease :	Antelope Creek Unit
City :	Roosevelt	Well :	Ute Tribal 33-1503
State :	UT Postal Code : 84066-	Sample Point :	wellhead
Attention :	Vince Guinn	Date Sampled :	02-Feb-98
cc1 :	Gene Searle	Date Received :	03-Feb-98
cc2 :	Glen Afferbach	Date Entered :	04-Feb-98
cc3 :	Ralph Nelms	Salesman :	Lee Gardiner
Comments :		Analyst :	Karen Hawkins Allen

CATIONS			ANIONS		
Calcium :	288	mg/l	Chloride :	9,600	mg/l
Magnesium :	146	mg/l	Carbonate :	72	mg/l
Barium :	11	mg/l	Bicarbonate :	854	mg/l
Strontium :	11	mg/l	Sulfate :	108	mg/l
Iron :	2	mg/l			
Sodium :	5983	mg/l			

pH (field) :	8.20		Specific Gravity :	1.01	grams/ml.
Temperature:	85	degrees F	Total Dissolved Solids :	17,075	ppm
Ionic Strength :	0.29		CO2 in Water :	1	mg/l
Resistivity :	0.4	ohm/meters	CO2 in Gas :	0.03	mole %
			H2S in Water :	0.0	mg/l
Ammonia :		ppm	Dissolved Oxygen :		mg/l

SI calculations based on Tomson-Oddo parameters

Calcite (CaCO3) SI :	1.77	Calcite PTB :	236.1
Calcite (CaCO3) SI @ 100 F :	1.93	Calcite PTB @ 100 F :	240.5
Calcite (CaCO3) SI @ 120 F :	2.14	Calcite PTB @ 120 F :	244.6
Calcite (CaCO3) SI @ 140 F :	2.36	Calcite PTB @ 140 F :	247.4
Calcite (CaCO3) SI @ 160 F :	2.58	Calcite PTB @ 160 F :	249.1
Gypsum (CaSO4) SI :	-2.12	Gypsum PTB :	N/A
Barite (BaSO4) SI :	1.34	Barite PTB :	6.2
Celestite (SrSO4) SI :	-1.51	Celestite PTB :	N/A

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DRILLING REPORT

10/22/97 *Petroglyph Operating Co., Inc.*

Operator: Petroglyph Operating Company, Inc.
Lease: Ute Tribal 33-15 D3W
API #: 43-013-31937 **Property:** 50171
Location: 33 - 4 S - 3 W
County, St.: Duchesne UT

Elevation: GL 5872
KB 5882

AFE/EPE Number: 41502

Activity Date	Daily Cost	Drilling Depth	Daily Footage	Activity Description
10/12/97	$79,680.00	6,522	0	RU Schlumberger & log well w/CNL, AIT & FMI logs. RU West States & run 5 1/2" x 15.5# J55 csg to 6470' KB. RU HES & cement w/328 sx Highfill @ 11.1 ppg & 3.91 cu ft/sx plus 365 sxs Thixotropic @ 14.2 ppg & 1.6 cu ft/sx . Displaced w/142 bbls K wtr. This is 5 bbls short of total displacement. Pressure increased to 3400 psi. No returns last 2 bbls. Bleed psi to 1800 psi and check float. Float holding. remove BPs and set csg in slips @ 12:30 am on 10/12/97. Centralizers ran @ middle of shoe jnt & top of every other jnt for 10 centralizers & then each third for 14 centralizers. Total of 25 centralizers. Short jnt ran at 3982'. PRODUCTION CASING DETAIL: 6470.08 .85 6469.23 43.33 csg 6425.9 1.03 csg (151 jts) 6424.87 6415.62 9.25 12.25 Csg Landed @ 6470.08
10/11/97	$8,720.00	6,522	769	Drill 7 7/8" hole w/fluid to TD @ 6522. Pump sweep & circ. for 2 hrs while waiting on Schlumberger. POOH laying dwn DPDC. Circ. @ 2700' w/water & @ 1000' w/10# Brine water & finish POOH.
10/10/97	$13,131.00	5,753	1,158	Drilling 7 7/8" hole w/fluid @ 5753' @ 35 min/kelly. Surveys @ 1 3/4 deg @ 4545', 1 1/4 deg at 5059' & 1 1/4 deg @ 5590'.
10/9/97	$9,718.00	4,595	857	Drilling 7 7/8" hole w/fluid @ 4595' @ 35 min/kelly. No surveys reported on report.
10/8/97	$12,099.00	3,738	1,067	Drilling 7 7/8" hole w/foam at 3738' @ 35 min/kelly. Surveys at 2 deg. @ 3127' and 2 1/4 deg. @ 3660'.
10/7/97	$15,138.00	2,671	1,335	Drilling 7 7/8" hole w/foam @ 2671' @ 25 min/kelly. Surveys @ 1 1/2 degrees @ 1565', 1 3/4 degrees @ 2063' & 2 1/4 degree @ 2625'.
10/6/97	$12,979.00	1,336	880	NU & test BOP's. Drill 7 7/8" hole to 1336 at 25 min/kelly. Blow test @ 490' shows dry & damp @ 938' without soap pump. Surveys @ 3/4 degrees @ 495' & 1 degree @ 1045'.

FORM 7

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number: Ute Tribal 33-15D3

API number: 43-013-31937

2. Well Location: QQ Lot 2 Section 33 Township 4S Range 3W County Duchesne

3. Well operator: Petroglyph Operating Company, Inc.

Address: P.O. Box 607
Roosevelt, UT 84066 Phone: 435-722-2531

4. Drilling contractor: Union Drilling

Address: Drawer 40
Buckhannon W. VA 26201 Phone: 304-472-4610

5. Water encountered (attach additional pages as needed):

DEPTH FROM	DEPTH TO	VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
0	938	Damp @ 938'	NO CIRC w/out Soap Pump
	1320	Blow Test	1/4 x 7 stream 1/2 gal 5 min
	2875	1/2" x 2"	

FAXED
JAN 23 1998
By

6. Formation tops:

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge. Date: 10-8-97

Name & Signature: [signature] Title: DRILLER

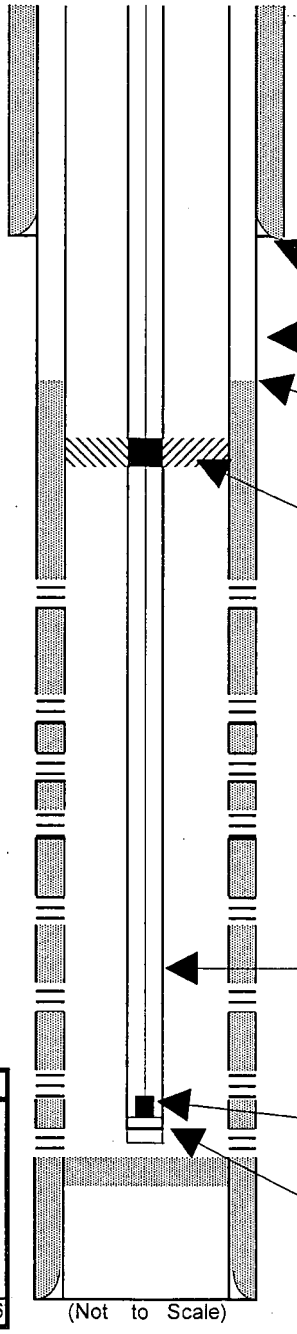
Ute Tribal # 33-16D3
Wellbore Diagram

Well History:
11/15/97 Spud Well
12/23/97 First Production

No USDW was found in the Uinta formation. Tests taken at 503', 1030', and 3250'. See exhibit, "Water Encountered During Drilling."

Top of Green River formation at 1694'. No USDW found in the Green River formation.

Water analysis for total dissolved solids are not available. But, see exhibit from first well south-east, #03-04 in sec. 3-5S-3W.



GL: 5868
KB: 5878

8 5/8" 24# J55 Surface csg @ 430' KB with 250 sxs.

Surface hole size : 12 ¼"

Hole size: 7 7/8" bit

Cement top @ 1810' KB
5 ½" 15.5 J55 csg @ 6500' KB cmt'd with 475 sxs

Tubing anchor @ 4200' KB

Perf's:

B11	4592 to 4598'.	ISIP 2556 psi.
C5.2	4895 to 4898'.	ISIP 2678 psi.
D3.2	5284 to 5298'.	ISIP 2370 psi.
D7.11	5472 to 5478'.	ISIP 2113 psi.
D7.11	5494 to 5500'.	
D7.11	5514 to 5520'.	
D7.21	5566 to 5570'.	ISIP 2358 psi.
D7.21	5580 to 5590'.	
D7.21	5614 to 5620'.	
D7.21	5660 to 5666'.	ISIP 2829 psi.
H02	6418 to 6422'.	ISIP 2715 psi.

Rods: 85 7/8"
209 3/4"

Tubing @ 206 Jts. of 2 7/8" 6.5# J-55 @ 6380' KB

Pump: 2 ½" x 1 ¼" x 17' with 150" max. stroke

PSN @ 6350' KB

PBTD: 6444' KB
TD: 6500' KB

(Not to Scale)

Petroglyph Operating Co., Inc.

Ute Tribal #33-16D3
(662' FSL & 737' FEL)
SE SE Section 33 - 4S - 3W
Antelope Creek Field
Duchesne Co. Utah

API #43-013-31938 ; LEASE #14-20-H62-4736

FORM 7

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number: Ute Tribal 33-16D3

API number: 43-013-31938

2. Well Location: QQ Lot 1 Section 33 Township 4S Range 3W County Duchesne

3. Well operator: Petroglyph Operating Co.

Address: P.O. Box 607
Roosevelt, UT 84066 Phone (435) 722-2531

4. Drilling contractor: Union Drilling Inc

Address: P.O. Drawer 40
Buckhannon, WV 26201 Phone: (304) 472-4610

5. Water encountered (attach additional pages as needed):

DEPTH		VOLUME	QUALITY
FROM	TO	(FLOW RATE OR HEAD)	(FRESH OR SALTY)
0	503	Dry	
503	1030	Dry	
1030		Damp no circ w/o Soap Pump	
3250		Water Increase	1gal Per 5min

6. Formation tops:

FAXED
DEC 02 1997
By

If analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge. Date: 11-25-97

Name & Signature: Deana Bell Title: Operations Coordinator

RECEIVED DEC 3 1997

(7/93)

DRILLING REPORT

12/10/97

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.
Lease: Ute Tribal 33-16D3
API #: 43-013-31938 **Property:** 1246
Location: 33 - 4 S - 3 W
County, St.: Duchesne UT

Elevation: 0
0

AFE/EPE Number:

Activity Date	Daily Cost	Drilling Depth	Daily Footage	Activity Description
11/22/97	67,776.00	6,529	139	Drill 7 7/8" hole to TD @ 6529'. Pump sweep & POOH LD DP & DC. RU Schlumberger & log well w/CNL w/gamma ray & AIT. Loggers depth @ 6525'. RU T& M Casers & run 5 1/2" x 15.5# J55 csg to 6500'. Circ for 1 1/4 hrs. RU HES & cement w/115 sxs Highfill @ 11 ppg & 3.79 cuft/sx (calc from 3885-2355') plus 360 sxs Thixotropic @ 14.2 ppg & 1.6 cuft/sx. (calc. From 6500' - 3885') Displaced w/150 bbls K/wtr & bumped plug @ 2:55 a.m. on 11/22/97. Set csg in slips & release rig to move to Ute Tribal 33-08D3. Centralizers ran at middle shoe jnt and top of each 2nd jnt to #18 and each 3rd jnt to #57. Total of 24 used. Marker joint @ 3961'. FINAL REPORT UNTIL COMPLETION
11/21/97	11,453.00	6,390	1,747	Drilling 7 7/8" hole w/fluid @ 6390' @ 40 min/kelly. Surveys @ 2 1/2 deg @ 5800' & 2 3/4 deg @ 6305'.
11/20/97	12,213.00	4,643	1,077	Drilling 7 7/8" hole @ 4643'. POOH & PU mud mtr & continue to drill w/fluid. Surveys @ 1 3/4 deg @ 3675'.
11/19/97	13,449.00	3,566	1,182	Drilling 7 7/8" hole w/foam @ 3566 @ 30 min/kelly. Surveys @ 1 1/4 deg @ 2630' and 2 deg @ 3150'. Had increase of water @ 3250' of +/- 1 gal/5 min.
11/18/97	15,016.00	2,384	1,323	Drilling 7 7/8" hole w/foam @ 2384' @ 20 min/kelly. Surveys @ 1/4 deg @ 176', 3/4 deg @ 1595' & 1 deg @ 2089'.
11/17/97	$7,724.00	1,061	616	RU & test BPOP's. Drill 7 7/8" hole w/foam to 1061' @ 30 min/kelly. Survey @ 1 1/4 deg @ 560'. Blow test @ 1030' shows damp only.

Champion Technologies, Inc.
Committed To Improvement

Petroglyph Operating Company, Inc.

Antelope Creek Unit

Ute Tribal 03-04

Lab Number : / Date Sampled :	961049 223 bbls. 11/15/96	961049 249 bbls. 11/16/96	961073.3 D7 ZONE 11/20/96	961073.4 E1zone 11/18/96						
Chloride (mg/l)	4,000	6,400	4,000	5,800						
Sulfate (mg/l)	108	266	280	1,353						
Carbonate (mg/l)	-	-	-	-						
Bicarbonate (mg/l)	390	378	598	805						
Calcium (mg/l)	448	584	200	400						
Magnesium (mg/l)	194	102	102	126						
Iron (mg/l)	67.0	56.0	9.0	4.0						
Barium (mg/l)	n/d	n/d	n/d	n/d						
Strontium (mg/l)	n/d	n/d	n/d	n/d						
Sodium (mg/l)	1,912	3,557	2,531	4,015						
pH	6.37	6.77	7.06	6.54						
Ionic Strength	0.14	0.21	0.14	0.23						
Specific Gravity	1.010	1.010	1.010	1.010						
SI@20C (68F)	-0.48	-0.14	0.05	-0.25						
SI@25C (77F)	-0.34	-0.01	0.19	-0.12						
SI@30C (86F)	-0.21	0.11	0.32	0.00						
SI@40C (104F)	0.04	0.37	0.56	0.26						
SI@50C (122F)	0.19	0.52	0.72	0.41						
SI@60C (140F)	0.48	0.84	1.00	0.74						
SI@70C (158F)	0.60	1.00	1.13	0.90						
SI@80C (176F)	0.90	1.32	1.43	1.23						
SI@90C (194F)	1.13	1.58	1.66	1.50						
TDS (mg/l)	7,119	11,343	7,720	12,503						
Temperature (F)	75	75	72	72						
Dissolved CO2 (ppm)	272	89	79	53						
Dissolved H2S (ppm)	0	0	0	0						
Dissolved O2 (ppm)	n/d	n/d	n/d	n/d						
Ammonia (ppm)										
Resistivity (ohm/meters)	0.88	0.74	0.11	0.69						

Champion Technologies, Inc. Confidential
Vernal District
2060 South [illegible] East
Vernal, Utah [illegible]4078

Champion Technologies, Inc.
2060 SOUTH 1500 EAST
VERNAL, UTAH 84078
Telephone (801) 789-4327

Water Analysis Report

Customer :	Petroglyph Operating Company	Field :	Antelope Creek Unit
Address :	P.O. Box 607	Lease :	Antelope Creek Unit
City :	Roosevelt	Well :	Ute Tribal Well No. 03-04
State :	UT Postal Code : 84066-	Sample Point :	treater
Attention :	Vince Guinn	Date Sampled :	12-Feb-97
cc1 :		Date Received :	19-Feb-97
cc2 :	Gene Searle	Date Entered :	13-Mar-97
cc3 :	Dave Shranner	Salesman :	Lee Gardiner
Comments :	acid gases not ran in field	Analyst :	Karen Hawkins Allen

CATIONS			ANIONS		
Calcium :	168	mg/l	Chloride:	5,800	mg/l
Magnesium :	29	mg/l	Carbonate:	0	mg/l
Barium :	0	mg/l	Bicarbonate:	1,537	mg/l
Strontium :	0	mg/l	Sulfate:	108	mg/l
Iron :	6	mg/l			
Sodium :	4145	mg/l			

pH (field) :	7.72		Specific Gravity :	1.01	grams/ml.
Temperature:	85	degrees F	Total Dissolved Solids :	11,793	ppm
Ionic Strength :	0.19		CO2 in Water :	44	mg/l
Resistivity :	97	ohm/meters	CO2 in Gas :	0.03	mole %
Ammonia :		ppm	H2S in Water :	0.0	mg/l

SI calculations based on Tomson-Oddo

Calcite (CaCO3) SI :	0.62	Calcite PTB :	102.1
Gypsum (CaSO4) SI :	-2.24	Gypsum PTB :	N/A
Barite (BaSO4) SI :	N/A	Barite PTB :	N/A
Celestite (SrSO4) SI :	N/A	Celestite PTB :	N/A

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