Artificial Penetration No. 42
Hurley Petroluem Corporation
Anderson No. 1

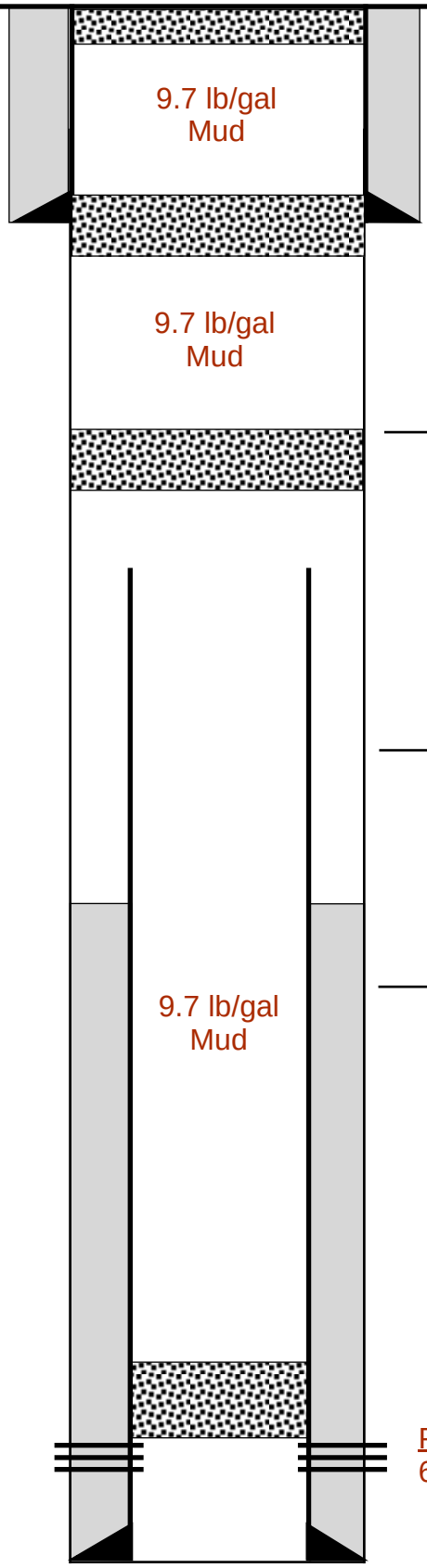
Geostock Sandia

Artificial Penetration No. 42

API Number: 03139-12602
Operator: Hurley Petroleum Company
Well Name: Anderson No. 1
Status: Plugged and Abandoned

Spud Date: December 30, 1985
Date Plugged: January 24, 1995
KB: 11.4 ft
Total Depth: 6,740 ft

Ground Level: 207 ft



Cement Plugs:
Plug 1 - 6,530 to 6,670 ft (16 sx)
Plug 2 - 1,400 to 1,500 ft (30 sx)
Plug 3 - 700 to 800 ft 30 sx)
Plug 4 - 0 to 30 ft (10 sx)

Surface Casing:
8-5/8" set at 758 ft.
Cement to surface
with 325 sx.

Protection Casing:
5-1/2" set at 6,740 ft
in an 7-7/8" hole.
Cement to 3,681 ft (calculated)
with 500 sx.
Casing cut at 1,900 ft

Perforations:
6,690 - 6,692 ft

Total Depth
6,740 ft

Geostock Sandia

Date: January 2023 *Not to Scale*
Schematic based upon Arkansas State Records

Area of Review

Cement Volume and Height Calculation AP 42									
Hole Diameter (in)*	Casing Outer Diameter (in)	Casing Setting Depth (feet)	Prior Casing Depth (feet)	Cement Pumped (sacks)	Slurry Volume (ft^3/sack)	Annular Volume Below Casing (gal)	Cement Volume Pumped (gal)	Calculated Cement Height (feet)	Calculated Top of Cement (feet)
7 7/8	5 1/2	6,740	758	500	1.06	7,753	3,965	3,059	3,681

**Bit sizes (hole diameter) come from Log or conservative estimates are used when unknown.*

EQUATIONS

CASING ANNULAR VOLUME

$$[(D^2 - d^2) \times (L - L_{sc}) \times 0.0408] + [(D^2_{sc} - d^2) \times [L_{sc} \times 0.0408] = \text{Volume (gals)}$$

D	=	Hole Diameter (in)
d	=	Casing OD (in)
L	=	Setting Depth (ft)
L_{sc}	=	Surface Casing Setting Depth (ft)
D_{sc}	=	Surface Casing ID (in)

CEMENT VOLUME

$$V_{SL} \times \text{\# of sacks} \times 7.48052\ \text{gal/ft}^3 = \text{Volume (gals)}$$

V_{SL} = Slurry Volume (ft^3/sack)

5M—10-65—60235—Ark P &L.Co.

AOGC-3-(56)

STATE OF ARKANSAS
OIL AND GAS COMMISSION
El Dorado, Arkansas

32,033

Well Completion and Recompletion Report

(Instructions: See Reverse Side)

Notice: This form must be completed and filed prior to allowable being granted.

WELL DESCRIPTION

Field: Agnes Road
Producer: Hurley Petroleum Corporation
Pool Completed In: Smackover
Lease Name: Anderson No. 1
Address: Street 400 Petroleum Bldg.
Exact Location 542' FNL, 330' FWL
City: Shreveport
Sec. 19 Twp. 17S Rge. 15W
County: Union
State: Louisiana 71104
Date Commenced: 12-30-85
Date Completed: 2-26-86
Elevation: 207' GL
Total Depth Drilled: 6740'
Electric Log Run: Yes X No
Electric Log Filed: Yes No X

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ARKANSAS OIL & GAS COMMISSION

CASING, TUBING, PERFORATING AND COMPLETION PROGRAM USED IN WELL

Conductor: (Size & Wt.) _____ set at _____ ft. w/ _____ sks.
Surface: (Size & Wt.) 8 5/8 24# set at 758 ft. w/ 325 sks.
Intermediate: (Size & Wt.) _____ set at _____ ft. w/ _____ sks.
Production: (Size & Wt.) 5 1/2 15.50# set at 6740 ft. w/ 500 sks.
Tubing: (Size & Wt.) 2 3/8 J-55 set at 6670 ft.
Perforations: Size 1/4" No. Per Foot 4
Perforated Intervals: 6690-92'

Acidized: Yes X No _____; Interval 6690-92' w/ 50 gals.
Fractured: Yes _____ No _____; Interval _____ w/ _____ lbs.
of sand; _____ bbls. of oil.

LEASE DATA

1. Number of wells located on this lease, including this well 1
2. Tank battery to which this well is connected: Existing _____ New X
3. Liquid production from this well is sold to (Lion Oil
(Address El Dorado, AR 71743
4. Disposition of gas from this well: Vented _____ Fuel X Sold _____
If sold, to whom _____
Address _____

PRODUCTION

Date of Test 3-14-86 Actual Length of Time Tested 24 hrs
Type Well: Flowing _____ Gas Lift _____ Pump X
Tubing Pressure 50 Casing Pressure 50 Choke Size 16/64
Net Oil Produced 8 bbls. Gas Produced 10 MCF % BSW _____ GOR _____
Gravity Oil 36° BHP Recorded 1970
Net Oil in 24 Hours 8 Open Flow Potential _____ MCF
Purpose of this test: Original Completion X Workover _____ Recompletion _____
Allowable Requested 10 bbls

REMARKS:
Please use reverse side of this page for all pertinent remarks.

CERTIFICATE

I declare under the penalties of perjury that this report has been examined by me and to the best of my knowledge is true, correct and complete.

[signature]

REMARKS:

INSTRUCTIONS:

The Well Completion Test Form, WITH ALL INFORMATION REQUESTED THEREON FILLED IN, shall be filed not later than five (5) days after the test is completed, and should the operator fail to file a test form in an acceptable form within the five (5) days as specified, then the effective date of the allowable resulting from such test shall not extend back more than five (5) days prior to receipt and acceptance of the test form. This five-day provision shall govern regardless of whether the test is taken during the month in which it is received or any prior month.

Any test form resulting from a retest of an oil well which is received after the fifteenth (15th) of the month shall not be used as the basis for the establishing a new allowable before the issuance of the proration schedule for the next succeeding month.

FIELD Agnes Road COMPANY Hurley Petroleum

COUNTY Union WELL Anderson #1

LOCATION S 19 T 17 R 15

COMPETION DATE TOTAL

** COMPLETION & RECOMPLETION DATA**

DATE	PERFORATIONS	REMARKS (Bridge Plug Data, Production Data)
11-7-85		8⅝ @ 750' w/ 350sx
1-8-86	6690-6692	9shots
1-2-86	6690.5-6692.5	9shots.
1-14-86	6690-92	8shots
1-27-86		Acid
1-28-86	6690-6691	8shots
1-6-86		Squeeze
1-10-86		Squeeze
1-20-86		50sk @ 6595
2-1-86		Abrazo set w/ 5000# 20/40 sand & 5000 gal 10% HCL
2-4-86		Squeeze

ARKANSAS OIL AND GAS COMMISSION

COMPANY Hurley Petroleum Corp WELL NAME & NO. Anderson #1

LOCATION 542' FNL + 330' FWL SEC-TWP-RGE 19-17s-15w

COUNTY Union FIELD Agnes Road

Depth to be drilled 10750 feet. Surface casing required 750 feet; to pump pit 1500 feet.

Date to start drilling 10-25-85; Date permitted 10-23-85; Contractor Shuler D-C.

Formation Smackover Fresh water plug to be set 1100 to 1000.

SURFACE CASING

Surface casing: Size 8⅝ Amount 750. Hole Size 12¼ Sacks of Cement 350.

Returns / Date set 11-7-85 Cementer Coleman Witness _____.

PLUG TO ABANDON

PLUG	HOLE DIAMETER D (in)	HOLE CAPACITY Ch (Cu.ft./ft.)	CEMENT N=100 x Ch/Y (sacks)	SET AT bottom (ft)	SET AT top (ft)	LENGTH L=V/Ch (ft)
1						
2						
3						
4						

Cement calculations based on 100 foot plug.

CEMENT PROPERTIES

Plug	1	2	3	4
Cement Type				
(Y) - Slurry Volume (Cu.ft./sk.)				
(W) - Mix Water (gal./sk.)				
(V) - Slurry = YxN (Cu.ft.)				
(Wb) - Mix Water = WxN/42 (Bbls.)				

Total Depth _____ Plugged in the top of surface casing with _____ sacks of cement.

Cementer _____ Witness _____ Date _____

REMARKS: _____

WELL DATA SHEET

TYPE OF WELL: OIL
API: 03-139-12,602
SERIAL: 32,033
COMMENCE DATE: 12/30/85
COMPLETION DATE: 02/26/86
FIELD: AGNES ROAD
ZONE: SMACKOVER
COUNTY: UNION
OPERATOR: HURLEY PETROLEUM CORPORATION
LEASE: ANDERSON
NUMBER: 1
UNIT DESCRIPTION: SEC.19-17S-15W
UNIT SIZE: 80
PLUGGED BACK TOTAL DEPTH: 0
TOTAL DEPTH: 6,740
ELEVATION: 207 GL
LOCATION: 542'FNL & 330'FWL
SECTION-TOWNSHIP-RANGE: 19-17S-15W
ALLOWABLE FACTOR: 0 %
ORDER:
DATE STAMPED: 05/01/86

CASING, TUBING, PERFORATING AND COMPLETION PROGRAM USED IN WELL

	CASING SIZE		WEIGHT		DEPTH			CEMENT
CONDUCTOR:		in		lbs	0	ft		
SURFACE:	8 5/8	in	24	lbs	758	ft		325 SKS
INTERMEDIATE:		in		lbs	0	-	0 ft	
PRODUCTION:	5 1/2	in	15.50	lbs	6,740	ft		500
LINER:		in		lbs	0	-	0 ft	
TUBING:	2 3/8	in		lbs	6,670	ft		

PACKER:
PERFORATIONS: SIZE: 1/4
NO. PER FOOT: 4
PERFORATED INTERVALS: 6690-6692
ACIDIZED: 6690-6692
FRACTURED:

INITIAL PRODUCTION DATA

DATE TESTED: 03/14/86
LENGTH OF TEST: 24 HRS
PRODUCING METHOD: P
FLOWING WELLHEAD PRESSURE: 50 psia
CHOKE SIZE: 16/64
SHUT-IN WELLHEAD PRESSURE: 0
OIL: 8 Bbls
GAS: 10 MCFD
BSW: 0 %
BHP: 1,970 CP/Bbls
GRAVITY: 36 API
OPEN FLOW: 0 MCFD
psia @ 0 ft

TEST DATA

DATE TESTED: / /
MAXIMUM DELIVERABILITY: 0 MCFD
ABSOLUTE OPEN FLOW: 0 MCFD
SHUT-IN WELLHEAD PRESSURE: 0 psia
ALLOWABLE: 0 MCFD

OIL PURCHASER: LION OIL COMPANY
GAS PURCHASER:
0 %

, 0- 0
0 %
0 %
0 %
0 %

ABANDONED DATE: 01/24/95
REMARKS: CUT 5 1/2 CASING AT 1900

WELL TREATMENT REPORT

DOWELL

DWL-494-N PRINTED IN U S A

DOWELL DIVISION OF DOW CHEMICAL U S A

DATE: 2-7-86

WELL NAME AND NUMBER: Anderson #1	LOCATION (LEGAL): Ft Dorado	DOWELL LOCATION: Bossier	TREATMENT NUMBER: 11 SF-0969
POOL / FIELD: Ft Dorado	FORMATION: Smackover	JOB DONE DOWN: TUBING ☑ CASING ☐ ANNULUS ☐	PAGE 1 OF 1 PAGES
COUNTY / PARISH: Union	STATE: Ark.	TYPE OF WELL: OIL ☑ GAS ☐ WATER ☐ INJ ☐	ALLOWABLE PRESSURE: TBG 5000 CSG —
TYPE OF SERVICE: ☐ Acidizing ☐ Fracturing ☐ Sand Control ☑ Other	SERVICE NAME: Abrazo Jet	AGE OF WELL: NEW WELL ☑ REWORK ☐	OIL API GRAVITY — VAPOR PSI

CUST NAME: Hurley

ADDRESS: [illegible]

CITY, STATE ZIP CODE: [illegible]

CASING SIZE	WT.	DEPTH	TUBING SIZE	WT.	DEPTH
5 1/2	15.5		2 7/8	6.7	6690
TYPE OR GRADE			TYPE OR GRADE		

LINER SIZE	WT.	TOP-BOTTOM	PACKER TYPE	PACKER DEPTH
—	—	—	—	—

OPEN HOLE	CASING VOL	TUBING VOL	ANNULAR VOL
		25.9	122.6

TOTAL DEPTH: | BHT (LOG):

SERVICE INSTRUCTIONS: Perform Abrazo Jet with 5000 gals. 10% HCL + 5000# 20/40 Sand as directed by Co. Rep.

FOR CONVERSION PURPOSES 24 BBLS EQUALS 1000 GALLONS

ARRIVED ON LOCATION: 0800 LEFT LOCATION 1300

PERFORATED INTERVALS

TOP	TO	BOTTOM	NO OF HOLES	TOP	TO	BOTTOM	NO OF HOLES
6690	TO	92			TO		
	TO				TO		
	TO				TO		
	TO				TO		

DIAMETER OF PERFORATIONS =

TIME (0001 to 2400)	INJECTION RECORD: RATE BPM	TYPE OF FLUID	DENSITY	INCREMENT VOL BBLS	CUM VOL BBLS	PROP TYPE	PROP #/GAL	PRESSURE: CSG	TBG	NOTATIONS
1015		2% KCL								Pre-Job Safety Meeting
1031										Pre-Job Pressure Test To 7000 psi
1038	2	2% KCL						—	500	Brake Circulation
1045	5	"			14			—	4500	Inc. Rate
1046	6	10% HCL		120	20	20/40	1	—	6200	Start Acid + Sand
1051	6	"			26	"	1	—	6100	Sand at Tool
1108	6	2% KCL			120			—	5250	Cut Sand Start Flush
1114	8.3	"			162			—	1600	Tubing Clear Sand Slowdown
1202		"			305			—	1800	Shut Down
1204	3	"						700	—	Reverse Out
1217		"			36			850	—	Shut Down Ball Back
1226	3	"		35				800	—	Start Pumping Reverse Out
1238					35			750	—	Shut Down

FRAC GRADIENT:

AVG INJECTION RATES: LIQ 6 W/PROP 6

TOTAL FLUID: 376 BBLS

TOTAL PROP: 5000 LBS.

TREATING PRESSURE SUMMARY

MAX 6200 FINAL 1800 AVG. 5300 IMMED SDP 0 15 MIN SIP

PRODUCTION PRIOR TO THIS TR: ☐ Test ☐ Stabilized

CUSTOMER REPRESENTATIVE: Keith Alexander

DOWELL SERVICE SUPERVISOR: S. H. Hastings Jr.

MATERIALS CHARGED FOR:

MTRL	QUANTITY	MTRL	QUANTITY
20/40 Sand	5000#		
KCL	3250#		
10% HCL	5000 gals.		
A-200	10 gals.		
F-75	10 gals.		
HA-380	40 gals.		
U-42	15 gals.		
J-120	25#		

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WELL TREATMENT REPORT

DOWELL

DWL-494-N PRINTED IN U S A Agnes Road DOWELL DIVISION OF DOW CHEMICAL U S A

DATE 1-27-86

WELL NAME AND NUMBER	#1 ANDERSON
LOCATION (LEGAL)	EL DORADO
DOWELL LOCATION	BOSSIER CITY LA
TREATMENT NUMBER	11-09-0985
PAGE 1 OF 1 PAGES	
POOL / FIELD	EL DORADO
FORMATION	SMACKOVER
JOB DONE DOWN: TUBING ☒ CASING ☐ ANNULUS ☐	
ALLOWABLE PRESSURE: TBG 5000 CSG 2000	
COUNTY / PARISH	UNION
STATE	ARKANSAS
TYPE OF WELL: OIL ☒ GAS ☐ WATER ☐ INJ ☐	
OIL API GRAVITY	N/A
VAPOR PSI	N/A
TYPE OF SERVICE: ☐ Acidizing ☐ Fracturing ☐ Sand Control ☒ Other	
SERVICE NAME	NARS 201
AGE OF WELL: NEW WELL ☒ REWORK ☐	
TOTAL DEPTH	6700
BHT (LOG)	210 F

CASING SIZE	WT	DEPTH	TUBING SIZE	WT	DEPTH
5½	15.5	1700	2 7/8	6.7	6677

TYPE OR GRADE			TYPE OR GRADE		
LINER SIZE	WT.	TOP-BOTTOM	PACKER TYPE	PACKER DEPTH	
			BAKER "A"	6672	
OPEN HOLE	CASING VOL	TUBING VOL	ANNULAR VOL		
	.4	25.8	N/A		

CUST NAME: HUNTLEY PET.

ADDRESS: 400 DOMINION BLDG

CITY, STATE ZIP CODE: SHREVEPORT, LA 71101

SERVICE INSTRUCTIONS: TEST 250 GAL NARS 201 + PUMP INTO FORMATION

(AS PER CO. REP. INSTRUCTIONS)

FOR CONVERSION PURPOSES 24 BBLS EQUALS 1000 GALLONS

ARRIVED ON LOCATION: 0900 LEFT LOCATION 1300

PERFORATED INTERVALS

TOP	TO	BOTTOM	NO OF HOLES	TOP	TO	BOTTOM	NO OF HOLES
6690	TO	91			TO		
	TO				TO		
	TO				TO		
	TO				TO		

DIAMETER OF PERFORATIONS = ABRASITE

INJECTION RECORD

TIME (0001 to 2400)	RATE BPM	TYPE OF FLUID	DENSITY	INCREMENT VOL BBLS	CUM VOL BBLS	PROP TYPE	PROP #/GAL	PRESSURE CSG	PRESSURE TBG	NOTATIONS
0900										Pre-Job Safety Meeting All UP
						N/A	N/A			Pre-Job Pressure Test To 200 psi
1107	1½	H_2O	8.33		1			0	200	BRK. CIRCULATION
1108	1½	NARS		6	7			0	200	PUMP NARS 201
1108	1½	H_2O	8.33	21	28			0	200	DISPLACE TUBING
										(SHUT DOWN TAK. PULL 1 JOINT OF TUBING)
1157	1/4	H_2O	8.33	1	29			1000	5000	BRK DOWN
1205	1/4	H_2O	8.33	1	30			1000	4900	INCREASE RATE
1207	1/4	H_2O	8.33	1	31			1000	4900	INCREASE RATE
1209	1/4	H_2O	8.33	1	32			1000	4900	INCREASE RATE
1209	1	H_2O	8.33	1	33			1000	4900	INCREASE RATE
1210	1	H_2O	8.33	1	34			1000	4900	LAST PUMP IN
1211	1	H_2O	8.33	1	34			1000	3000	ISIP
1211	1	H_2O	8.33	0	34			1000	1700	5 MIN SHUT IN

FRAC GRADIENT: .88

AVG INJECTION RATES: LIQ 3/4 W/PROP N/A

TOTAL FLUID: 34 BBLS

TOTAL PROP: N/A LBS.

TREATING PRESSURE SUMMARY: MAX 5100 FINAL 4000 AVG. 4900 IMMED SDP 3000 15 MIN SIP 1700

PRODUCTION PRIOR TO THIS TR: ☐ Test ☐ Stabilized

CUSTOMER REPRESENTATIVE: KEITH ALEXANDER

DOWELL SERVICE SUPERVISOR: J. M. BROWN JR.

MATERIALS CHARGED FOR:

MTRL	QUANTITY	MTRL	QUANTITY
NARS 201	250		

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HATCH WIRELINE SERVICE, INC.

501 863-7292
or
501 863-4650

P O BOX 1896 EL DORADO, ARKANSAS 71730

SALES CONTRACT AND FIELD WORK ORDER

Date	1-2-86	Charge To:	Hurley Petroleum Corp.
Job No	12-1060	Address	400 Pet Bldg
Customer Order No		City & State	Shreveport, LA 71101
Operators	Jimmy Allen	Lease & Well No	Anderson #1
Legal Description		Field	Agnes Rd.
		County	Union State Arkansas

WORK PERFORMED	PRICING
Ran _____ log	Set up
From ___ ft to ___ ft, From ___ ft to ___ ft	1st ___ Shots
Set _____ Bridge Plug at _____ ft	Next ___ Shots @ $ _____ Ea
Set _____ (TYPE) Bridge Plug at _____ ft	Next ___ Shots @ $ _____ Ea
Perforated with 1 11/16" Tornado Jet DML (TYPE GUN) as Follows:	LOGGING: Depth Charge ___ ft @ $ ___ ft
From 6690.5 ft. to 6692.5 ft, 9 Shots	Logging Chg ___ ft @ $ ___ ft
From ___ ft to ___ ft, ___ Shots	
From ___ ft. to ___ ft., ___ Shots	BRIDGE PLUG Plug Charge ___
From ___ ft. to ___ ft., ___ Shots	Depth Charge ___ ft @ $ ___ ft
From ___ ft. to ___ ft, ___ Shots	Other Services (Specify)

High Pressure Equipment No Charge:

ZERO	CASING SIZE & WT	CUSTOMER'S T D	OUR T D.	FLUID & LEVEL
CUSTOMER'S COLLARS				
OUR COLLARS	RESET			

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COMMENTS

I certify that the above ordered services have been performed to my satisfaction, that all zones perforated were designated by me and all depth measurements checked and approved

Signed: Grady J Benne
(CUSTOMER OR AUTHORIZED REPRESENTATIVE)

The FINANCE CHARGE is computed by a "PERIODIC RATE" OF 5/6 OF 1% PER MONTH, which is an ANNUAL PERCENTAGE RATE OF 10% applied to the previous balance after deducting current payments and will be added to the unpaid portion of the balance due on the next monthly statement

P.O. Box 1108
Magnolia, AR 71753
Phone 501-234-8810

SERVICE LOGGING & PERFORATING, INC

Job Order № 5562

Date 1-23-86

Customer HURLEY PET. CORP.

Address

Field AGNES ROAD Lease & Well No. ANDERSON #1

County/Parish UNION State AR.

Job Description:

GAMMA RAY LOG 6726½ - 6400.

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ARKANSAS OIL & GAS COMMISSION

Zero	11'	Casing Size	5½"	Fluid Level	FULL
Type Fluid		Total Depth	6726½	Crew	AVERY
Collars					WILBUR
Truck # 782	Arrival	Departure			

CONDITIONS OF THIS CONTRACT

TO SERVICE LOGGING & PERFORATING, INC

The undersigned has requested that you furnish the service, materials and equipment hereinabove set forth upon the following terms and conditions, to-wit

The undersigned, as customer, agrees to pay you for the service and/or materials ordered and performed, as described above, at the office of SERVICE LOGGING & PERFORATING, INC , Magnolia, Arkansas' Should any account not be paid within the term fixed by the invoice, interest will be charged at the rate of 5% above the Federal Discount Rate on the date of the invoice, which interest shall accrue from the 10th of the month following the date of such invoice. provided, however, in no event shall the interest charged be greater than that allowed by law

In the event you employ an attorney to enforce any claim of indebtedness against the undersigned customer, said customer agrees to pay all costs of collection and reasonable attorney's fees which, in no event, shall be less than the sum of $100.00

The above described work has been performed by you as an independent contractor, however, it is understood and agreed that you do not guarantee the results of your service and shall not be liable for injury to persons or to property of well owners and/or customers unless caused by your willful negligence, this provision applying, but not limited to subsurface damage and surface damage arising from subsurface damage. Well owner and/or customer shall be responsible for and secure you against any liability for reservoir loss or damage or personal or property damage arising from a well blowout, unless such loss or damage is caused by your willful negligence The well owner or drilling company will pay for the actual cost of replacing or repairing the well service equipment, or any part thereof, if same should be lost or damaged while being used in performing the work on the above described well

Should any of your instruments, tools, or equipment be lost or destroyed in the rendition of your service, customer agrees to use all reasonable diligence and facilities available to recover the same, and customer agrees to reimburse you for the reasonable value of any instrument, tools, or other personal property that cannot be recovered within 60 days, or for the cost of repairing any damage to items recovered

Customer agrees that all depth measurements shall be made by it or its employees, and shall be supervised by customer or its employees.

Customer certifies that it is the owner of the well on which the work herein ordered has been done, or that it has the full right and authority to order such work done on such wells; and that the well in which the work has been done by you was in proper and suitable condition for the performance of said work

Customer acknowledges that the above described work was satisfactorily completed Customer further agrees that the terms and conditions herein set forth constitute the entire agreement and that no employee of your company is authorized to alter the terms hereof. I have read and understand the terms of this agreement and represent that I am authorized to sign the same as customer or agent of customer

Date 1-22-86 Customer or Agent Andy J. Beene

P.O. Box 1108
Magnolia, AR 71753
Phone 501-234-8810

SERVICE LOGGING & PERFORATING, INC

Job Order № 5561

1305

Date 1-22-86

Customer HURLEY PET. CORP.

Address

Field AGNES Rd. Lease & Well No. ANDERSON #1

County/Parish UNION State AR.

Job Description.

GAMMA RAY LOG 6730 - 6200.

RECEIVED
FEB 04 1986
ARKANSAS OIL & GAS COMMISSION

Zero	11' AGL	Casing Size	5 1/2"	Fluid Level	FULL
Type Fluid	WATER	Total Depth	6730	Crew	AUFRY
Collars					WUSLR
Truck # 782	Arrival	Departure			

CONDITIONS OF THIS CONTRACT

TO SERVICE LOGGING & PERFORATING, INC

The undersigned has requested that you furnish the service, materials and equipment hereinabove set forth upon the following terms and conditions, to-wit

The undersigned, as customer, agrees to pay you for the service and/or materials ordered and performed, as described above, at the office of SERVICE LOGGING & PERFORATING, INC , Magnolia, Arkansas Should any account not be paid within the term fixed by the invoice, interest will be charged at the rate of 5% above the Federal Discount Rate on the date of the invoice, which interest shall accrue from the 10th of the month following the date of such invoice, provided, however, in no event shall the interest charged be greater than that allowed by law

In the event you employ an attorney to enforce any claim of indebtedness against the undersigned customer, said customer agrees to pay all costs of collection and reasonable attorney's fees which, in no event, shall be less than the sum of $100 00

The above described work has been performed by you as an independent contractor, however, it is understood and agreed that you do not guarantee the results of your service and shall not be liable for injury to persons or to property of well owners and/or customers unless caused by your willful negligence, this provision applying, but not limited to subsurface damage and surface damage arising from subsurface damage Well owner and/or customer shall be responsible for and secure you against any liability for reservoir loss or damage or personal or property damage arising from a well blowout, unless such loss or damage is caused by your willful negligence The well owner or drilling company will pay for the actual cost of replacing or repairing the well service equipment, or any part thereof, if same should be lost or damaged while being used in performing the work on the above described well

Should any of your instruments, tools, or equipment be lost or destroyed in the rendition of your service, customer agrees to use all reasonable diligence and facilities available to recover the same, and customer agrees to reimburse you for the reasonable value of any instrument, tools, or other personal property that cannot be recovered within 60 days, or for the cost of repairing any damage to items recovered

Customer agrees that all depth measurements shall be made by it or its employees, and shall be supervised by customer or its employees

Customer certifies that it is the owner of the well on which the work herein ordered has been done, or that it has the full right and authority to order such work done on such wells, and that the well in which the work has been done by you was in proper and suitable condition for the performance of said work

Customer acknowledges that the above described work was satisfactorily completed Customer further agrees that the terms and conditions herein set forth constitute the entire agreement and that no employee of your company is authorized to alter the terms hereof I have read and understand the terms of this agreement and represent that I am authorized to sign the same as customer or agent of customer

Date 1-22-86 Customer or Agent Randy J Bennett

Service Order and Delivery Receipt

NL McCullough/NL Industries Inc
P O Box 60060, Houston Texas 77205

McCullough is hereby instructed to deliver the equipment or perform the services ordered, or as orally directed, under the terms and conditions printed on reverse side of this order and which I accept as Customer or as Customer's Authorized Agent

MC— 48646

Date 1-14-86

Customer: Hurley Petroleum Co
Mailing Address: 400 Petroleum Bldg
City: Shreveport State: La Zip: 71101
Customer Code: 0 4 2 8 5 0 0 0

Ordered by: Mr Alexander
Customer Order No: Agnes Rend Field
Well Name & No: Andersen #1
Section/Township/Range: 19-17S-15W Union Co.
State: Ark
Price List Zone No: SE

LINE	PRODUCT CODE	DESCRIPTION	DEPTH OR ZONE SERVICED	LOGGING FOOTAGE SHOTS FIRED
1	7 0 2 0 0 5 0 0 0	SERVICE CHARGE		
2	7 0 3 0 0 5 0 0 0	MILEAGE CHARGE		
3	7 0 2 0 2 5 0 0 0	CREW & EQUIP CHARGE		
4	7 0 4	PORTABLE DERRICK CHARGE		
5	7 0 5 0 0 5 0 0 0	PRESSURE CONTROL CHARGE		
6	7 1 3 0 0 0 0 0 0	3 3/4 Nu Line Perf	6692	
7	7 1 3 0 0 0 0 0 0	3 3/4 Nu Line Perf	6690-92	2 shots
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				

SERVICED BY: George Cearley

LINE	CODE
29	9 7 0 1 0 0 0 0 0 0
30	
31	7 0 0 0 0 0 0 0 0
32	
33	
34	Total Invoice Amount

JOB TIME SUMMARY	DAY	24 HR TIME
START LOAD	14	1,0,0,0
LEAVE SHOP		1,1,0,0
ARRIVE LOCATION		1,2,0,0
START OPERATION		1,2,3,0
COMPLETE OPERATION		1,4,0,0
RELEASED		1,5,0,0
ARRIVE SHOP		1,6,0,0
COMPLETE UNLOAD	14	1,7,0,0

CHECK ONE BOX IN EACH SECTION

1 ☐ Open Hole Logging
2 ☑ Completion Services
3 ☐ Production Logging
4 ☐ Pipe Recovery
5 ☐ Fishing Tools
6 ☐ Casing Evaluation
7 ☐ Tool Rental Only
8 ☐ (For Office Use)
9 ☐ Drilling Rig
10 ☑ Workover Rig
11 ☐ Derrick Unit
12 ☑ New Well
13 ☐ Old Well
14 ☑ Land
15 ☐ Inland Water
16 ☐ Offshore
17 ☑ Oil
18 ☐ Gas
19 ☐ Other

EQUIPMENT LEFT ON LOCATION AT CUSTO

For other charges refer to Service Orders #

I hereby acknowledge receipt of the service and/or material described above

CUSTOMER: Hurley Petroleum

BY: Andy J Berne
CUSTOMER'S AUTHORIZED AGENT

Mr Andy Berne
PRINT AGENT'S NAME

DISTRICT: Magnolia 7 2 1

WAS COMPETITOR'S WIRELINE USED? ☐ YES NO ☑

WIRELINE UNIT NO: 8 4 0 9 7

BILLING COPY

MC-7010-B

RECEIVED
JAN 21 1986
ARKANSAS OIL & GAS COMMISSION

33104

SPECIALTY BUSINESS FORMS HOUSTON TEXAS 77027 713 668 9858

HALLIBURTON SERVICES

A Division of Halliburton Company
DUNCAN, OKLAHOMA 73536

FORM 1908 R-4

WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ATTACH TO INVOICE & TICKET NO 332073

DISTRICT Haynesville DATE 2-4-86

TO HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO Hurley Petro (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO 1 LEASE Anderson SEC ____ TWP ____ RANGE ____

FIELD Agnes Rd El Dorado COUNTY Union STATE AR OWNED BY SAME

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME Smackover TYPE ____

FORMATION THICKNESS ____ FROM ____ TO ____

PACKER TYPE B+B Model R SET AT 6610

TOTAL DEPTH ____ MUD WEIGHT ____

BORE HOLE ____

INITIAL PROD OIL ____ BPD, H_2O ____ BPD, GAS ____ MCF

PRESENT PROD OIL ____ BPD H_2O ____ BPD, GAS ____ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW PSI
CASING	u	15.50	5 1/2	0	TD	
LINER						
TUBING	u	4.7	2 3/8	0	6610	
OPEN HOLE						SHOTS/FT
PERFORATIONS				6690	6692	2/ft
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT DATE ____ TYPE ____ MATERIALS ____

TREATMENT INSTRUCTIONS TREAT THRU TUBING ☐ ANNULUS ☐ CASING ☐ TUBING/ANNULUS ☒ HYDRAULIC HORSEPOWER ORDERED ____

Squeeze Job 50 SK H .6% Halad-322 .9 gal/SK LA-2
16 #/gal 1.12 cuft/sk 5.0 gal/sk

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES MATERIALS, AND SERVICES

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

As consideration the above-named Customer agrees

(a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists

(b) Halliburton shall not be responsible for and Customer shall secure Halliburton against any liability for damage to property of Customer and of the well owner (if different from Customer), unless caused by the willful misconduct or gross negligence of Halliburton, this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage

(c) Customer shall be responsible for and secure Halliburton against any liability for reservoir loss or damage, or property damage resulting from subsurface pressure losing control of the well and/or a well blowout, unless such loss or damage is caused by the willful misconduct or gross negligence of Halliburton

(d) Customer shall be responsible for and secure Halliburton against any and all liability of whatsoever nature for damages as a result of subsurface trespass or an action in the nature thereof arising from a service operation performed by Halliburton hereunder

(e) Customer shall be responsible for and secure Halliburton against any liability for injury to or death of persons other than employees of Halliburton, or damage to property (including but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole, unless such damage shall be caused by the willful misconduct or gross negligence of Halliburton

(f) Halliburton makes no guarantee of the effectiveness of the products supplies or materials nor of the results of any treatment or service

(g) Customer shall at its risk and expense, attempt to recover any Halliburton equipment tools or instruments which are lost in the well and if such equipment tools or instruments are not recovered Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing unless such loss or damage is caused by the sole negligence of Halliburton

(h) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the accuracy of any chart interpretation research analysis, job recommendation or other data furnished by Halliburton Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it but Customer agrees that Halliburton shall not be responsible for any damages arising from the use of such information except where due to Halliburton's gross negligence or willful misconduct in the preparation or furnishing of it

(i) Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTIABILITY FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract tort breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials in expressly limited to the replacement of such products supplies or materials on their return to Halliburton or at Halliburton's option, to the allowance to the Customer of credit for the cost of such items In no event shall Halliburton be liable for special incidental, indirect punitive or consequental damages

(j) Invoices payable NET by the 20th of the following month after date of invoice Upon Customer s default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable but never to exceed 18% per annum In the event it becomes necessary to employ an attorney to enforce collection of said account Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account

(k) This contract shall be governed by the law of the state where services are performed or equipment or materials are furnished

(l) Halliburton shall not be bound by any changes or modifications in this contract except where such change or modification is made in writing by a duly authorized executive officer of Halliburton

RECEIVED
MAR 0 4 1986
ARKANSAS OIL & GAS COMMISSION

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER S AGENT

SIGNED C. Alexander CUSTOMER

DATE 2-4-86

TIME 14:00 ~~A M~~ P M

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

HALLIBURTON SERVICES
A Division of Halliburton Company
DUNCAN OKLAHOMA 73536

FORM 1908 R-4

WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ATTACH TO INVOICE & TICKET NO 331379

DISTRICT Haynesville, La. DATE 1-6-86

TO HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO Hurley Petroleum (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO 1 LEASE Anderson SEC ____ TWP ____ RANGE ____

FIELD Agnes Rd COUNTY Union STATE Ark OWNED BY Same

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME ____ TYPE ____

FORMATION THICKNESS ____ FROM ____ TO ____

PACKER TYPE ____ SET AT ____

TOTAL DEPTH ____ MUD WEIGHT ____

BORE HOLE ____

INITIAL PROD OIL ____ BPD, H_2O ____ BPD, GAS ____ MCF

PRESENT PROD OIL ____ BPD, H_2O ____ BPD, GAS ____ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW PSI
CASING	N	15.5#	5½"	0	TD	1000
LINER						
TUBING	N		2⅞"	0		2500
OPEN HOLE						SHOTS/FT
PERFORATIONS				6690½	6692½	
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT DATE ____ TYPE ____ MATERIALS ____

TREATMENT INSTRUCTIONS TREAT THRU TUBING ☑ ANNULUS ☐ CASING ☐ TUBING/ANNULUS ☐ HYDRAULIC HORSEPOWER ORDERED ____

Squeeze Perfs with 50sks H + .6% Halad 322

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS SUPPLIES, MATERIALS, AND SERVICES

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

As consideration, the above-named Customer agrees

(a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists

(b) Halliburton shall not be responsible for and Customer shall secure Halliburton against any liability for damage to property of Customer and of the well owner (if different from Customer), unless caused by the willful misconduct or gross negligence of Halliburton, this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage

(c) Customer shall be responsible for and secure Halliburton against any liability for reservoir loss or damage or property damage resulting from subsurface pressure, losing control of the well and/or a well blowout, unless such loss or damage is caused by the willful misconduct or gross negligence of Halliburton

(d) Customer shall be responsible for and secure Halliburton against any and all liability of whatsoever nature for damages as a result of subsurface trespass or an action in the nature thereof, arising from a service operation performed by Halliburton hereunder

(e) Customer shall be responsible for and secure Halliburton against any liability for injury to or death of persons, other than employees of Halliburton or damage to property (including but not limited to injury to the well) or any damages whatsoever irrespective of cause growing out of or in any way connected with the use of radioactive material in the well hole unless such damage shall be caused by the willful misconduct or gross negligence of Halliburton

(f) Halliburton makes no guarantee of the effectiveness of the products supplies or materials nor of the results of any treatment or service

(g) Customer shall, at its risk and expense, attempt to recover any Halliburton equipment tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing be fully responsible for loss of or damage to any of Halliburton s equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing unless such loss or damage is caused by the sole negligence of Halliburton

(h) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the accuracy of any chart interpretation research analysis, job recommendation or other data furnished by Halliburton Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it but Customer agrees that Halliburton shall not be responsible for any damages arising from the use of such information except where due to Halliburton's gross negligence or willful misconduct in the preparation or furnishing of it

(i) Halliburton warrants only title to the products supplies and materials and that the same are free from defects in workmanship and materials THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTIABILITY FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE Halliburton's liability and Customer s exclusive remedy in any cause of action (whether in contract tort breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials in expressly limited to the replacement of such products supplies or materials on their return to Halliburton or at Halliburton s option, to the allowance to the Customer of credit for the cost of such items In no event shall Halliburton be liable for special incidental, indirect punitive or consequential damages

(j) Invoices payable NET by the 20th of the following month after date of invoice Upon Customer s default in payment of Customer's account by the last day of the month following the month in which the invoice is dated Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable but never to exceed 18% per annum In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account

(k) This contract shall be governed by the law of the state where services are performed or equipment or materials are furnished

(l) Halliburton shall not be bound by any [illegible] contract [illegible] where such change or modification is made in writing by a duly authorized executive officer of Halliburton

RECEIVED
FEB 05 1986
ARKANSAS OIL & GAS COMMISSION

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT

SIGNED Andy J Brunel CUSTOMER

DATE 1-6-86

TIME 1:00 A M (P M)

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract

HALLIBURTON SERVICES

A Division of Halliburton Company
DUNCAN OKLAHOMA 73536

FORM 1908 R-4

WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ATTACH TO INVOICE & TICKET NO 071004

DISTRICT Haynesville DATE 1-10-86

TO HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO Hurly Pet. Co. (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO 1 LEASE Anderson SEC ____ TWP ____ RANGE ____

FIELD ____ COUNTY Union STATE Ark. OWNED BY Same

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME ____ TYPE ____

FORMATION THICKNESS ____ FROM ____ TO ____

PACKER TYPE ____ SET AT ____

TOTAL DEPTH ____ MUD WEIGHT ____

BORE HOLE ____

INITIAL PROD OIL ____ BPD H_2O ____ BPD, GAS ____ MCF

PRESENT PROD OIL ____ BPD H_2O ____ BPD, GAS ____ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW PSI
CASING		15.50#	5½"	0	TD	
LINER						
TUBING		4.7#	2 3/8	0	6594'	
OPEN HOLE						SHOTS/FT
PERFORATIONS				6690	6692	
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT DATE ____ TYPE ____ MATERIALS ____

TREATMENT INSTRUCTIONS TREAT THRU TUBING ☑ ANNULUS ☐ CASING ☐ TUBING/ANNULUS ☐ HYDRAULIC HORSEPOWER ORDERED ____

Squeeze Perforations

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS SUPPLIES MATERIALS, AND SERVICES

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

As consideration the above-named Customer agrees

(a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists

(b) Halliburton shall not be responsible for and Customer shall secure Halliburton against any liability for damage to property of Customer and of the well owner (if different from Customer) unless caused by the willful misconduct or gross negligence of Halliburton, this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage

(c) Customer shall be responsible for and secure Halliburton against any liability for reservoir loss or damage, or property damage resulting from subsurface pressure, losing control of the well and/or a well blowout, unless such loss or damage is caused by the willful misconduct or gross negligence of Halliburton

(d) Customer shall be responsible for and secure Halliburton against any and all liability of whatsoever nature for damages as a result of subsurface trespass, or an action in the nature thereof, arising from a service operation performed by Halliburton hereunder

(e) Customer shall be responsible for and secure Halliburton against any liability for injury to or death of persons other than employees of Halliburton or damage to property (including but not limited to injury to the well) or any damages whatsoever, irrespective of cause growing out of or in any way connected with the use of radioactive material in the well hole, unless such damage shall be caused by the willful misconduct or gross negligence of Halliburton

(f) Halliburton makes no guarantee of the effectiveness of the products supplies or materials, nor of the results of any treatment or service

(g) Customer shall at its risk and expense, attempt to recover any Halliburton equipment tools or instruments which are lost in the well and if such equipment tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton In the case of equipment, tools or instruments for marine operations, Customer shall in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton s equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton

(h) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the accuracy of any chart interpretation research analysis job recommendation or other data furnished by Halliburton Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it but Customer agrees that Halliburton shall not be responsible for any damages arising from the use of such information except where due to Halliburton's gross negligence or willful misconduct in the preparation or furnishing of it

(i) Halliburton warrants only title to the products supplies and materials and that the same are free from defects in workmanship and materials THERE ARE NO WARRANTIES EXPRESS OR IMPLIED, OF MERCHANTIABILITY FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract tort breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials in expressly limited to the replacement of such products supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items In no event shall Halliburton be liable for special incidental indirect punitive or consequental damages

(j) Invoices payable NET by the 20th of the following month after date of invoice Upon Customer s default in payment of Customer s account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable but never to exceed 18% per annum In the event it becomes necessary to employ an attorney to enforce collection of said account Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account

(k) This contract shall be governed by the law of the state where services are performed or equipment or materials are furnished

(l) Halliburton shall not be bound by any [illegible] except where such change or modification is made in writing by a duly authorized executive officer of Halliburton

RECEIVED
FEB 05 1986
ARKANSAS OIL & GAS COMMISSION

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT

SIGNED [signature] CUSTOMER

DATE 1-10-86

TIME 1201 A M (P M)

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

HALLIBURTON SERVICES
A Division of Halliburton Company
DUNCAN, OKLAHOMA 73536

M 1908 R-4

WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ATTACH TO INVOICE & TICKET NO. 331322

DISTRICT: Haynesville LA

DATE 1-20-86

TO HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO Hurley Pet. Co. (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO #1 LEASE Anderson SEC ____ TWP ____ RANGE ____

FIELD El Dorado COUNTY Union STATE Ar. OWNED BY Same

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME Smackover TYPE Lime

FORMATION THICKNESS ____ FROM ____ TO ____

PACKER TYPE Baker SET AT 6595

TOTAL DEPTH ____ MUD WEIGHT ____

BORE HOLE ____

INITIAL PROD OIL ____ BPD, H_2O ____ BPD, GAS ____ MCF

PRESENT PROD OIL ____ BPD, H_2O ____ BPD, GAS ____ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW PSI
CASING	N	15.6	5½	0	—	
LINER						
TUBING	N		2 3/8	0	6595	
OPEN HOLE						SHOTS/FT
PERFORATIONS				6690	92	
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT DATE ____ TYPE ____ MATERIALS ____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ☐ ANNULUS ☐ CASING ☐ TUBING/ANNULUS ☐ HYDRAULIC HORSEPOWER ORDERED ____

50 sks Class "H" Cement w/ .4% Halad-322, .10% Laytex 77

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES MATERIALS, AND SERVICES

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

As consideration, the above-named Customer agrees

(a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists

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(c) Customer shall be responsible for and secure Halliburton against any liability for reservoir loss or damage or property damage resulting from subsurface pressure losing control of the well and/or a well blowout unless such loss or damage is caused by the willful misconduct or gross negligence of Halliburton

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(e) Customer shall be responsible for and secure Halliburton against any liability for injury to or death of persons, other than employees of Halliburton, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause growing out of or in any way connected with the use of radioactive material in the well hole unless such damage shall be caused by the willful misconduct or gross negligence of Halliburton

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(k) This contract shall be governed by the law of the state where services are performed or equipment or materials are furnished

(l) Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton

RECEIVED
FEB 05 1986
ARKANSAS OIL & GAS COMMISSION

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT

SIGNED Andy J Brunne CUSTOMER

DATE 1-20-86

TIME 1200 A M P M

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

SCHLUMBERGER WELL SERVICES
A Division of Schlumberger Technology Corporation
P O BOX 2175 • HOUSTON, TEXAS 77001

SERVICE REPORT—RULE B - 31
STATE OF ARKANSAS—OIL AND GAS COMMISSION

DATE: 1/28/86

COMPANY: Hurley Petroleum Corp.

ADDRESS: 400 Petroleum Bldg. | CITY: Shreveport, L | STATE: Louisiana

WELL: Anderson #1

FIELD: Agnes Road | COUNTY: Union

LOGGING RECORD

DEPTH LOGGED		TYPE OF LOG

PERFORATING RECORD

DEPTH PERFORATED		NO. OF SHOTS	DEPTH PERFORATED		NO OF SHOTS
6690	6691x8	8			

RECEIVED
FEB 03 1986
ARKANSAS OIL & GAS COMMISSION

BRIDGE PLUG RECORD

SETTING DEPTH		SIZE AND TYPE	SETTING DEPTH		SIZE AND TYPE

veport P.S. - 3801

ENGINEER: James H. Bubite

DISTRIBUTION- COMPANY OIL AID GAS COMMISSION—BOX 719, EL DORADO
DIVISION LOCATION

COLEMAN CEMENTING INC.

TICKET № 3951

ROUTE 1. BOX 232A
STRONG. ARKANSAS 71765
24 HR. SERVICE
862-0863

JOHN COLEMAN
797-2494
MOBILE 862-5621
UNIT 74 or 75

Hurley Agnes Rd

DATE	ORDER NO.	CONTRACTOR	WELL NAME	NUMBER
10 7				

CUSTOMER'S NAME

ADDRESS

CITY

CEMENTED BY

TRUCK DRIVER

SIZE OF CASING

DEPTH OF HOLE

Service Instructions:

ITEM	QUAN.	UNIT	MATERIAL OR SERVICES	UNIT PRICE	AMOUNT	REMARKS
Pumping						
Mileage						
Packer Rental						
Plug						
Acid		GALS.				Bags Returned / Amount Credit
Inhibitor		GALS.				
Centralizers		EA.				
Float Shoe		EA.				
Float Collar		EA.				
Scratchers		EA.				
Cement Basket						
Thread Lock		LB.				
Clamps	1	EA.				
Guide Shoe		EA.				
Sack Cement		94				
Class A Cement						
Calcium Chloride		100				
Cemad 1						

RECEIVED
NOV 13 1985
ARKANSAS OIL & GAS COMMISSION

THE UNDERSIGNED HEREBY CERTIFIES THAT THE MATERIALS LISTED ABOVE WERE RECEIVED AND SERVICES WERE SATISFACTORY.

AUTHORIZED AGENT

Total	
Delivery Charge	
3% Sales Tax	
TOTAL	

HUBLEY/EL DORADO

SCHLUMBERGER WELL SERVICES

A Division of Schlumberger Technology Corporation

P O BOX 2175 • HOUSTON TEXAS 77001

SERVICE REPORT—RULE B-31

STATE OF ARKANSAS—OIL AND GAS COMMISSION

DATE: 1/8/86

COMPANY: Hurley Petroleum

ADDRESS: 400 Petroleum Bldg.,

CITY: Shreveport

STATE: Louisiana

WELL: Anderson #1

FIELD: Agnes Road

COUNTY: Union

LOGGING RECORD

DEPTH LOGGED		TYPE OF LOG

PERFORATING RECORD

DEPTH PERFORATED		NO OF SHOTS	DEPTH PERFORATED		NO OF SHOTS
6690	6692	9			

BRIDGE PLUG RECORD

SETTING DEPTH	SIZE AND TYPE	SETTING DEPTH	SIZE AND TYPE

RECEIVED JAN 13 1986 ARKANSAS OIL & GAS COMMISSION

LOCATION: Shreveport P.S. - 3801

ENGINEER: Mark Adams

SWS -1281 A

DISTRIBUTION- COMPANY OIL AID GAS COMMISSION—BOX 719, EL DORADO

DIVISION LOCATION

H & N

TICKET No. 6114

OIL WELL CEMENTING COMPANY, INC.

BENNY SHELTON, President
863-5462

OIL WELL CEMENTING — ACID SERVICE
DRILLING MUD

4511 WEST HILLSBORO
SOUTH WYATT DRIVE
EL DORADO, ARKANSAS 71730

Agnes Road

DATE	ORDER NO.	CONTRACTOR	WELL NAME	NUMBER
			Anderson	2

CUSTOMER'S NAME

ADDRESS

CITY

CEMENTED BY

TRUCK DRIVER

SIZE OF CASING

DEPTH OF HOLE

Service Instructions:

ITEM	QUAN.	UNIT	MATERIAL OR SERVICES	UNIT PRICE	AMOUNT	REMARKS
Mileage						
Packer Rental						
Plug						
Acid		Gals.				
Inhibitor		Gals.				Bags Returned / Amount Credit
Gel		100				
Caustic Soda		100				
Soda Ash		100				
Rhecon		50				
Driscose		50				
Lime		50				
Sack Cement		94				
Sapp		100				
Class A Cement						
Calcium Chloride		100				
Cemad I						

RECEIVED
FEB 20 1986
ARKANSAS OIL & GAS COMMISSION

THE UNDERSIGNED HEREBY CERTIFIES THAT THE MATERIALS LISTED ABOVE WERE RECEIVED AND SERVICES WERE SATISFACTORY.

AUTHORIZED AGENT

Total	
Delivery Charge	
4% Sales Tax	
TOTAL	

(713) NO 402-0103

SERVICE ORDER
DA - 1296 - G (12/83)

LOCATION NAME	Shreveport
DATE COMPLETED MO DAY YEAR	11 16 85
CUSTOMER NAME	Schuler Drilling
CUSTOMER ORDER NO.	
UNIT DAIIS NO	3 8 0 1 T A 0 6 1 4 7
INVOICE ADDRESS	3514 West Hillsboro
PRICE SCHEDULE	SF C
LOC CODE	R B 3 A
DR	0 6
PDR	0 6
CITY	El Dorado
STATE	ARK
ZIP CODE	71730
SERV LINE	1
☐ EXPL ☒ DEV ☐ W/O	☒ O/H ☐ C/H
☐ 1st RUN ☐ SUB RUN	☒ OIL ☐ GAS ☐ OTHER
LEASE NAME & WELL NO.	Anderson NO.1
COUNTY/PARISH	Union
STATE	Ark.
FIELD	Agnes Road
LEGAL DESCRIPTION	542' FNL & 330' FEL of S19 T17S R15W

DISC.	INV CODES BC	TC	AC	STATE CODE	COUNTY CODE	CUSTOMER CODE
1 1 5	1	2	A	0 3	1 3 9	T Q U W 8 0

TO DRESSER ATLAS: You are requested to undertake the furnishing of the herein described services, equipment, materials and products. In consideration of such undertaking, the undersigned Customer hereby agrees that the same shall be subject, solely and entirely, to the Terms and Conditions set forth on the reverse side hereof and made a part of this Contract which shall constitute the entire agreement between the Customer and Dresser Atlas. Customer acknowledges and understands that the prices for the services, equipment, materials and products furnished hereunder have been established by you in consideration of the fact that said Terms and Conditions apply to the furnishing of such services, equipment, materials and/or products. The undersigned hereby certifies that he has full authority and agency to enter into this Contract on behalf of the Customer.

INSTRUMENT PROTECTION

NOT AVAIL | ACCEPTS (JD) | DECLINES

(Initial Appropriate Box)

James Ball
CUSTOMER SIGNATURE — DATE — TIME A.M. P.M.

PRODUCT CODE	ITEM	QUANTITY	UNIT PRICE	AMOUNT	TC
8204	SERVICE CHARGE	6736	[redacted]		
8102	DIFL (1503XA) Depth	6736	[redacted]		
8103	Logging	6736			
8104	AC (1603XA) Depth	6736			
8105	Logging	5978			
8139	GR (1309XA) Depth	6736			
8140	Logging	5978			
8209	Discount 45%	1	[redacted]		
8590	INSTRUMENT PROTECTION CHARGE	2	[redacted]		

JOB TIME

	DATE	TIME
Job Scheduled	11-16-85	1400
Depart Shop	11-16-85	1200
Arrived Well	11-16-85	1500
Well To DA	11-16-85	1500
Well To Customer	11-16-85	2100
Depart Well	11-16-85	2200
Return Shop	11-17-85	0200
Stand by Time	1	HOURS
Total Travel Time	7	HOURS

SERVICES

1 DIFL/AC/GR
2
3
4
5
6
7
8
9

TIGHT HOLE: YES NO

RIR

TOTAL 4
EC 0

S.O. REFERENCE:

Checked By:
Approved By:

RECEIVED AT WELL
TAPE (INITIALS)
FILM (INITIALS)

RIG TIME
OPERATING TIME 1 6 0 HOURS
LOST TIME 1 0 1 HOURS

RECEIVED
DEC 02 1985
ARKANSAS OIL & GAS COMMISSION

I certify that the above services, equipment, materials and/or products have been received.

James Ball
CUSTOMER SIGNATURE — DATE 11-16-85

DRESSER ATLAS ENGINEER — DATE

SUB TOTAL	[redacted]
TAX	
ESTIMATED TOTAL	

PRICES SUBJECT TO CORRECTION

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

TYPE WELL Oil
API 03 139 12,602
SERIAL 32,033
FIELD Agnes Road
COUNTY Union
OPERATOR Hurley Petroleum Corp
LEASE Anderson
NUMBER 1
ZONE Smackover
UNIT DESCRIPTION
UNIT SIZE 80 acres
LOCATION 542' FNL, 330' FWL
SC TW RG 19-17S-15W
COMMENCE DATE 12-30-85
COMPLETED DATE 2-26-86
TD 6240'
ELEVATION 207 GL
PENALTY % ORDER

COMPLETION PROGRAM
CONDUCTOR
SURFACE 8 5/8 24# set at 258 ft w/ 325 sks
INTERMEDIATE
PRODUCTION 5 1/2 15.50# set at 6240 ft w/ 500 sks
TUBING 2 3/8 J-55 set at 6070
PACKER
PERFORATED INTERVALS 6090-92'
ACIDIZED 6090-92' w/ 50 gals
FRACTURED

INITIAL PRODUCTION DATA
DATE TESTED 3-14-86
LENGTH OF TEST 24 hrs
PRODUCING METHOD Pump
FLOWING WELLHEAD PRESSURE
CHOKE SIZE 16/64
OIL 8 bbls
GAS 10 MCF
OPEN FLOW
WATER
GRAVITY 36°
GOR
SI WELLHEAD PRESSURE
BHP 1970 @

TEST DATA
DATE TESTED
DELIVERABILITY
WELLHEAD PRESS
ALLOWABLE 10 bbls per day

PURCHASER
OIL Lion Oil Co
GAS % %
% %
% %
% %

ABANDONED DATE
REMARKS

To: Nadine
Lion Oil Co.

Verbal
10 bbls per day
eff 4-26-86

DMK
5-2-86
10:52 AM

South Oil Card

Permit Number	32033		**Location**
Current Operator	HURLEY PETROLEUM CORPORATION		19 17 S 15 W
Opr at St of Card Yr	Hurley Petroleum Corporation		
Lease	Anderson 1	**Producing Interval**	**Penalty Factor**
Year	1995	6690'-6692'	1
Field	AGNES ROAD		**Order Number**
Zone	SMACKOVER		

Month	Transfer Stock	Opening Stock	Oil Production	Disp	Water Production	Closing Stock	Gas Production
	Previous Cumulatives		5,664				1,734
January	-53	53	0	0		0	0
	Total		0				0
	Cumulative		5,664				1,734

Purchasers LION OIL CO

Remarks P & A 1-24-95

South Oil Card

Permit Number	32033	**Location**	
Current Operator	HURLEY PETROLEUM CORPORATION	19 17 S	15 W
Opr at St of Card Yr	Hurley Petroleum Corporation		
Lease	Anderson 1	**Producing Interval**	**Penalty Factor**
Year	1993	6690'-6692'	1
Field	AGNES ROAD		**Order Number**
Zone	SMACKOVER		

Month	Transfer Stock	Opening Stock	Oil Production	Disp	Water Production	Closing Stock	Gas Production
Previous Cumulatives			5,257				1,714
January		60	14	0		74	1
February		74	21	67		28	1
March		28	36	0		64	1
April		64	23	56		31	1
May		31	50	0		81	2
June		81	19	52		48	2
July		48	28	0		76	2
August		76	25	0		101	1
September		101	12	60		53	1
October		53	18	0		71	1
November		71	19	0		90	1
December		90	0	0		90	0
Total			265				14
Cumulative			5,522				1,728

Purchasers LION OIL CO

Remarks

South Oil Card

Permit Number	32033	**Location**	
Current Operator	HURLEY PETROLEUM CORPORATION	19 17 S	15 W
Opr at St of Card Yr	Hurley Petroleum Corporation		
Lease	Anderson 1	**Producing Interval**	**Penalty Factor**
Year	1994	6690'-6692'	1
Field	AGNES ROAD		**Order Number**
Zone	SMACKOVER		

Month	Transfer Stock	Opening Stock	Oil Production	Disp	Water Production	Closing Stock	Gas Production
	Previous Cumulatives		5,522				1,728
January	0	90	35	61		64	2
February	0	64	31	0		95	2
March	0	95	19	0		114	1
April	0	114	21	0		135	1
May	0	135	15	0		150	0
June	0	150	17	0		167	0
July	0	167	4	118		53	0
August	0	53	0	0		53	0
September	0	53	0	0		53	0
October	0	53	0	0		53	0
November	0	53	0	0		53	0
December	0	53	0	0		53	0
	Total		142				6
	Cumulative		5,664				1,734

Purchasers LION OIL CO

Remarks

AOGC — 4a

ARKANSAS OIL AND GAS COMMISSION
314 EAST OAK STREET
EL DORADO, ARKANSAS 71730

AUTHORITY TO PRODUCE

TO Hurley Petroleum Corporation
400 Petroleum Building
Shreveport, Louisiana 71104

SUPPLEMENT NO Y - 188 - SA

DATE May 6, 1986

COMPLETION X RECOMPLETION _____

REWORK _____ CHANGE OR CORRECTION _____

WELL NAME Anderson NO 1 FIELD Agnes Road

LOCATION 542' FNL & 330' FWL SEC 19 TWP 17S RGE 15W

COUNTY Union

PRODUCING INTERVAL Smackover FROM 6690 FT, TO 6692 FT

Gentlemen

This will be your authority to produce the above well at the rate of 10 (BBLS) and/or _____ (MCF) per day, effective 7 A M, April 26, 1986

This is authority for Lion Oil Company to connect to this well and run this assignment allowable upon receipt of approved Form 4 covering this lease.

REMARKS New Completion. Verbal permission given to Nadine Williams/Lion Oil Company on May 2, 1986, at 10:52 A.M. to move oil.

cc Lion Oil Company
1001 School Street
El Dorado, Arkansas 71730

Yours truly,

By Shirley Knight
SHIRLEY KNIGHT, STATISTICIAN II

ADC CDC - 2474

10M—6-71—63738—PP&SCo. AOGC-4—(56)

Arkansas Oil and Gas Commission

EL DORADO, ARKANSAS

Producers Certificate of Compliance and Authorization to Transport Oil or Gas from Lease

Lease Anderson (Sec.) 19 (Twp.) 17S (Rge.) 15W County Union

Producer Hurley Petroleum Corp Field Agnes Road

Address all correspondence concerning this form to Hurley Petroleum Corp

Street 400 Petroleum Bldg City Shreveport State LA 71101

The above named producer hereby authorizes Lion Oil Co. (Name of Transporter) Lion Oil Trading & Transportation, Inc.

Whose principal place of business is El Dorado, AR 71743 (Street) (City) (State)

And whose field address is --

To transport 100 % of the Oil (X) Gas ( ) produced from the lease designated above until further notice

Other transporters transporting oil from this lease are: none

_____ % (Name of Transporter) _____ % (Name of Transporter)

Remarks:

Request clearance to move approx 250 bbls oil produced while testing well to ascertain rate of production prior to requesting allowable.

RECEIVED
MAY 01 1986
ARKANSAS OIL & GAS COMMISSION

The undersigned certifies that this report has been examined by me and to the best of my knowledge is true, correct, complete and that the rules and regulations of the Arkansas Oil and Gas Commission have been complied with except as noted above and that the transporter(s) is (are) authorized to transport the percentage of oil produced from the above described property and that this authorization will be valid until further notice of the transporter named herein or until cancelled by the Arkansas Oil and Gas Commission.

Executed this the 30 day of April 1986.

APPROVED: May 6, 1986
ARKANSAS OIL & GAS COMMISSION
By Shirley Knight
No. Y 545

HURLEY PETROLEUM CORPORATION (Company or Operator)
R. K. Alexander (Affiant)

INSTRUCTIONS

This certificate shall be executed and filed in triplicate with the Arkansas Oil and Gas Commission, El Dorado, Arkansas, **covering each lease** from which oil is produced. A separate certificate shall be filed for each transporter authorized to transport oil from a lease.

After said certificate has been approved by the Arkansas Oil and Gas Commission one copy shall be forwarded to the Transporter; one copy returned to the Producer; and one copy retained by the Arkansas Oil and Gas Commission.

A new certificate shall be filed to cover each change in operating ownership and each change in the transporter, except that in the case of a temporary change in the transporter involving less than the allowable production for one month, the producer, shall in lieu of filing a new certificate, notify the Arkansas Oil and Gas Commission at El Dorado, Arkansas, and the transporter authorized by certificate on file with said Commission, by letter of the estimated amount of oil to be moved by transporter temporarily moving oil from the lease and the name of such temporary transporter and a copy of such notice shall also be furnished such temporary transporter. Such temporary transporter shall not move any more oil than the estimated amount shown in said notice.

This certificate when properly executed and approved by the Arkansas Oil and Gas Commission shall constitute an authorization to a pipe line or other carrier to transport oil from the lease named therein and shall remain in full force and effect until;

(a) Operating ownership changes, or

(b) The Transporter is changed, or

(c) The authorization is cancelled by the Arkansas Oil and Gas Commission.

If any of the rules and regulations of the Arkansas Oil and Gas Commission have not been complied with at the time this report is filed, explain fully under the heading: "REMARKS."

In all cases where this certificate is filed to cover a change in operating ownership or a change in the transporter designated to move oil, show under "REMARKS" the previous owner or operator and the transporter previously authorized to transport oil.

Form AOGC 28½

03 139 12,602

ARKANSAS OIL AND GAS COMMISSION

El Dorado, Arkansas

Serial No. 32,033 County UNION

Permit Issued 10/24/85 Field AGNES ROAD

Operator HURLEY PETROLEUM CORP. 400 PETROLEUM BLDG. SHREVEPORT, LA 71101

Lease Name ANDERSON #1

Location of Well 542'FNL & 330'FWL SEC. 19 - 17S - 15W

Depth to be Drilled 6750 Formation to be completed in SMACKOVER

Oil Well ✓ Gas Well _____ Cond. Well _____ Dry Hole _____

Form 3 Filed 5-1-86 Form 11 Filed _____

Electric Log Filed 5-2-86 Form 12 Filed _____

5M—5-63—53798—Ark.P.&L.Co. 03 139 12602 AOGC-2-(56)

ARKANSAS OIL AND GAS COMMISSION
El Dorado, Arkansas

10/24 Serial No. 32,033

Notice of Intention to Drill For Oil or Gas

(This application to drill must be accompanied by a remittance of $50.00)

Date October 14, 1985

Name of Operator Hurley Petroleum Corporation

Send Permit to: Street 400 Petroleum Bldg.

City Shreveport

State Louisiana 71101

Lease Name Anderson Well No. 1

Acres in lease 80

Number of acres in and description of drilling unit 80

Location of proposed well in drilling unit (give in feet) 542' from north line and 330' from west line of Sec. 19, Township 17 South, Range 15 West

Section 19 Township 17 South Range 15 West

County Union Field Agnes Road

Distance and direction from the nearest town 1 mi NW ElDorado

Distance from proposed location to nearest drilling, completed or applied for well 2000' east of Hurley Petroleum Corp - #1 Bush, et al well

Rotary or cable tools rotary Date work will start October 25, 1985

Name of drilling or workover contractor Shuler Drilling Co.

750' Depth to be drilled 6750'

EPA - 1500'

Formation you propose to complete in Smackover

Remarks:

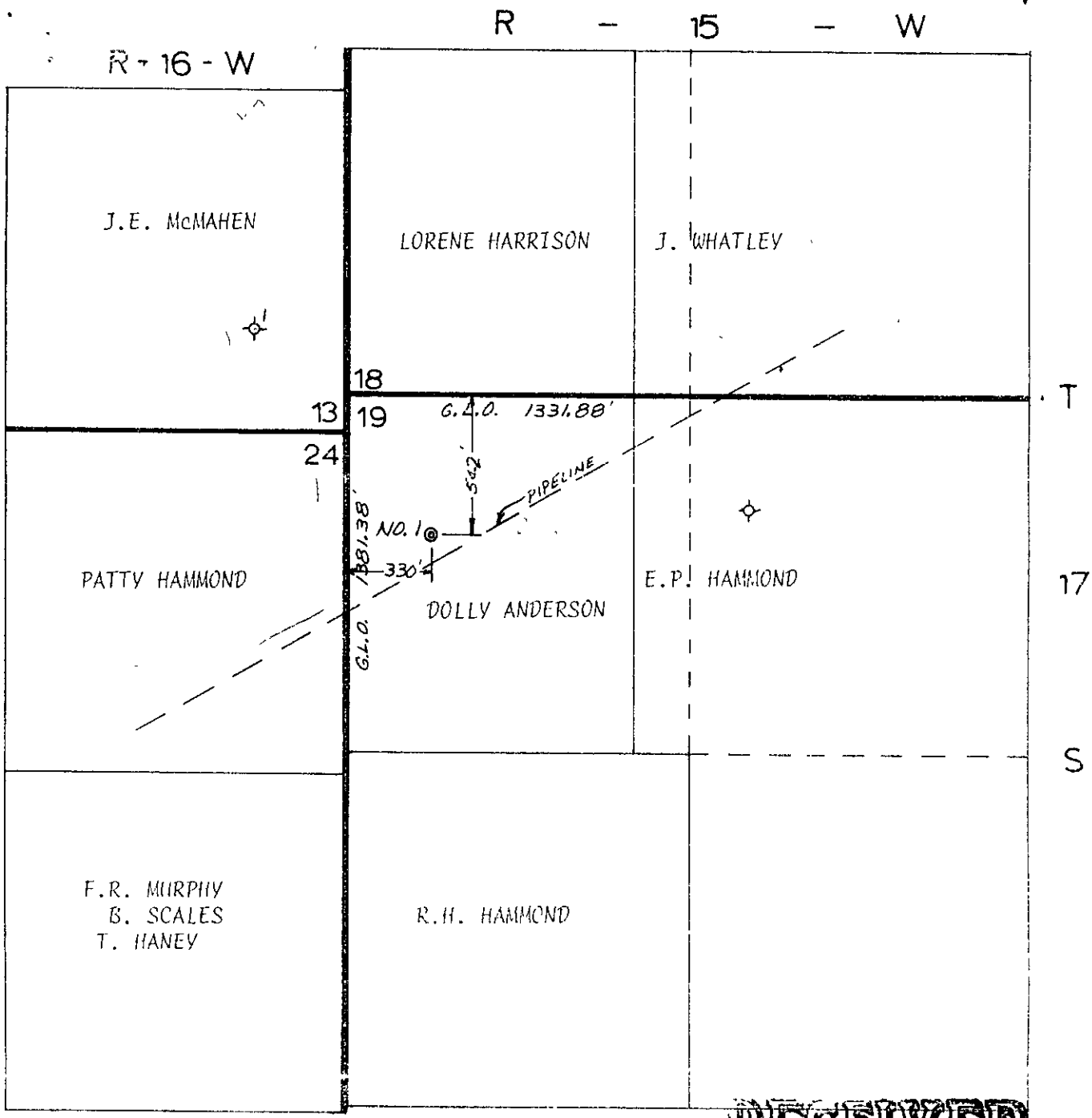
RECEIVED OCT 16 1985 ARKANSAS OIL & GAS COMMISSION

CERTIFICATE

I declare under the penalties of perjury that this report has been examined by me and to the best of my knowledge is true, correct and complete.

HURLEY PETROLEUM CORPORATION

By: R. K. Alexander



WELL LOCATION PLAT

RECEIVED
OCT 16 1985
ARKANSAS OIL & GAS COMMISSION

OPERATOR HURLEY PETROLEUM

WELL NAME ANDERSON HEIRS NO. 1

LOCATION 542' FROM NORTH LINE AND 330' FROM WEST LINE OF SECTION 19, TOWNSHIP 17S; RANGE 15W; UNION COUNTY, ARKANSAS

The location shown hereon was staked from a ground survey made 9 - 26 *19* 85

R.L.S. 454

Scale 1" = 600'

Crisp Surveying Service, Inc.
P O Box 812
Magnolia Ark.

5M—5-63—53798—Ark.P.&L. Co.

AOGC-2-(56)

ARKANSAS OIL AND GAS COMMISSION
El Dorado, Arkansas

Serial No._____

Notice of Intention to Drill For Oil or Gas

(This application to drill must be accompanied by a remittance of $50.00)

Date October 14, 1985

Name of Operator Hurley Petroleum Corporation

Send Permit to: Street 400 Petroleum Bldg.

City Shreveport

State Louisiana 71101

Lease Name Anderson Well No. 1

Acres in lease 80

Number of acres in and description of drilling unit 80

Location of proposed well in drilling unit (give in feet) 542' from north line and 330' from west line of Sec. 19, Township 17 South, Range 15 West

Section 19 Township 17 South Range 15 West

County Union Field Agnes Road

Distance and direction from the nearest town 1 mi NW ElDorado

Distance from proposed location to nearest drilling, completed or applied for well 2000' east of Hurley Petroleum Corp - #1 Bush, et al well

Rotary or cable tools rotary Date work will start October 25, 1985

Name of drilling or workover contractor Shuler Drilling Co.

750' Depth to be drilled 6750'

EPA-1500' Formation you propose to complete in Smackover

Remarks:

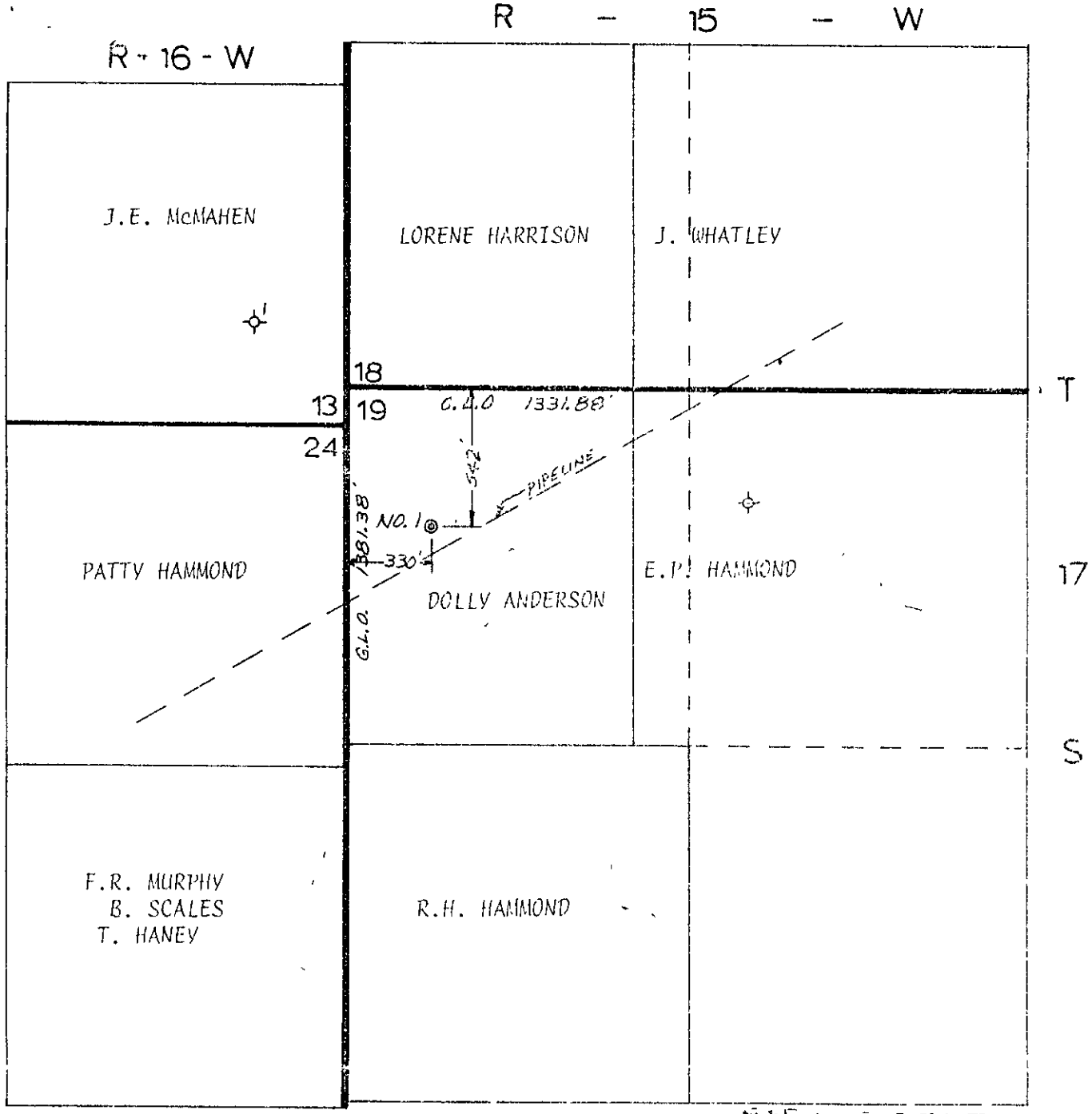
RECEIVED
OCT 16 1985
ARKANSAS OIL & GAS COMMISSION

CERTIFICATE

I declare under the penalties of perjury that this report has been examined by me and to the best of my knowledge is true, correct and complete.

HURLEY PETROLEUM CORPORATION

By: [signature]



WELL LOCATION PLAT

RECEIVED
OCT 16 1985
ARKANSAS OIL & GAS COMMISSION

OPERATOR: HURLEY PETROLEUM

WELL NAME: ANDERSON HEIRS NO. 1

LOCATION: 542' FROM NORTH LINE AND 330' FROM WEST LINE OF SECTION 19, TOWNSHIP 17S; RANGE 15W; UNION COUNTY, ARKANSAS

The location shown hereon was staked from a ground survey made 9 - 26 1985

Scale 1" = 600'

R.L.S. 454

Crisp Surveying Service, Inc.
P O Box 812
Magnolia, Ark

ARKANSAS OIL AND GAS COMMISSION
2215 West Hillsboro • P.O. Box 1472
El Dorado, Arkansas 71731-1472

Application To Plug

Serial No 32,033

Date 11-09-94

File Original Five Full Days Prior To Beginning Plugging Operations

Operator Hurley Petroleum Corp.

Field Agnes Road

County Union

Operator's Address: Street 400 Petroleum Bldg.

City Shreveport

State Louisiana Zip 71101

Lease Name Anderson Well No 1

Location 542' FNL & 330' FWL

Section 19 Township 17S Range 15W

Type of Well (Oil Gas or Dry) Oil

Date you wish to plug 12-01-94

Total Depth of Well 6740'

Name of party plugging well Production Services, Inc.

Address Street Hwy. 79 North, P.O. Box 1885

City Magnolia

State Arkansas Zip 71753

AOGC-2(56) filed by Hurley Petroleum Corp. Date filed 10-24-85

NOV 14 1994

DEC

CERTIFICATE

I declare under the penalties of perjury that this report has been examined by me and to the best of my knowledge is true, correct and complete.

Natalie Scott

Natalie Scott 504-898-3591

DM

ACI-77

AOGC-12(56)

Arkansas Oil and Gas Commission

P.O. Box 1472

El Dorado, Arkansas 71731-1472

RECEIVED
ARK. OIL & GAS COMM.
95 JAN 31 AM 9:59

PLUGGING RECORD

(Within five days after the plugging of any well has been accomplished, the owner or operator thereof shall file this form with the Commission, setting forth in detail the method used in plugging the well.)

SEE — REVERSE SIDE FOR PLUGGING REQUIREMENTS AND COMPLY THEREWITH.

Operator Hurley Petroleum Corp. Field Agens Rd.

Address all correspondence concerning this Pool

form to Hurley Petroleum Corp. County Union

Street P. O. Box 3917 City Baton Rouge State LA

Lease Anderson Well No 1 Sec 19 Twp 17S Rge 15W

Date well was plugged 1/24/95 Total Depth of well

Was well filled with mud-laden fluid, according to regulations of the Commission? yes

How much mud applied? filled hole Were plugs used? yes If so, show all shoulders left for casing, depth of each, and size of casing, size and kind of plugs used, and depths placed Also amount of cement and rock 0-30' w/10 sks cmt., 700-800' w/30 sks cmt., 1400-1500' w/30 sks cmt., 6530-6670' w/16 sks cmt

Was notice given before plugging, to all available adjoining lease and land owners as required? yes

INFORMATION ON CASING RECLAIMED FROM WELL

D.E.

SIZE	RECOVERED FROM WELL		LEFT IN WELL	
	Feet	Inches	Feet	Inches
8 5/8"	0		758	
5½"	1900		4840	

CERTIFICATE

I declare under the penalties of perjury that this report has been examined by me and to the best of my knowledge is true, correct and complete

Therral Story Well Service, Inc.

Carl Kamas

PLUGGING METHODS AND PROCEDURE

The Methods and procedure for plugging a well shall be as follows

(a) The bottom of the hole shall be filled to the top of each producing stratum and a cement plug of not less than thirty (30) feet in length shall be placed inside the casing immediately above each producing stratum, or a bridge plug, regular or wireline type, may be placed at the top of each producing stratum

(b) A cement plug not less than fifty (50) feet in length shall be placed at approximately fifty (50) feet below all fresh waterbearing stratum when the surface casing is not cemented below the base of the fresh water-bearing stratum In the event the surface casing has been cemented below the base of the fresh water-bearing stratum, a thirty (30) foot cement plug shall be placed inside the base of the surface casing

(c) A plug shall be placed at the surface of the ground in each hole plugged in such manner as not to interfere with soil cultivation

(d) The interval between plugs shall be filled with an approved heavy mud-laden fluid

(e) An uncased rotary drilled hole shall be filled with approved heavy mud up to the base of the surface casing and a plug of not less than thirty (30) feet of cement placed inside the base of the surface casing, provided the casing is cemented through the base of the fresh water-bearing stratum A cement plug of not less than fifty (50) feet in length shall be placed at a point fifty (50) feet below the base of the fresh water-bearing stratum in the event the surface casing is not cemented through the base of the fresh water-bearing stratum. The hole shall be capped similar to other abandoned holes

(f) Any other method approved by the Commission may be used

ARKANSAS OIL AND GAS COMMISSION
P. O. BOX 1472 2215 WEST HILLSBORO
EL DORADO, AR 71731-1472

"PLUGGING REPORT FOR ABANDONED PRODUCING WELLS"

COMPANY Hurley Petro. Corp. WELL NAME Anderson #1

LOCATION NW, NW SEC 19 TWP 17 RGE 15

COUNTY Union FIELD Agnes Road

CONDUCTOR _____ PRODUCTION 5½"-15.5#-6740'

SURFACE 8 5/8"-24#-758' PERFORATIONS 6690'-92'

PRODUCTION PLUG SET AT ~~1500'-1400'~~ 6670'-6530' WITH 16 sks

WORK DONE BY T. S. W. S. DATE 1-20-95

WITNESSED BY Dennis K. Endel

U.S.D.W. PLUG SET AT 1500'-1400' WITH 30 sks.

WORK DONE BY Therall Story Well Serv. DATE 1-24-95

WITNESSED BY Dennis K. Endel

A.F.W. PLUG SET AT 800'-700' WITH 30 sks.

WORK DONE BY T. S. W. S DATE 1-24-95

WITNESSED BY Dennis K. Endel

PLUGGED IN TOP OF SURFACE CASING WITH 10 sks. 0'-30'

WITNESSED BY Dennis K. Endel DATE 1-24-95

REMARKS: cut casing at 1900' & pulled it.

RECEIVED
94 DEC 27 PM 1:21

HURLEY PETROLEUM CORPORATION
P. O. BOX 3917
BATON ROUGE, LOUISIANA 70821
TELEPHONE (504) 387-0628 • FAX (504) 387-0656

December 9, 1994

Mr. Marty Perdue
Arkansas Oil and Gas Commission
P.O. Box 1472
El Dorado, Arkansas 71731-1472

Dear Mr. Perdue:

I wanted to follow up our December 2nd phone conversation with a letter. As you may recall, I submitted Applications to Plug seven Hurley operated wells located in Arkansas. We intended to begin plugging these wells December 1st, but due to a problem with rig availability, we will not begin the work until the first or second week of January. We will be certain to notify your office several days before the work begins.

I also wanted you to be aware that the Featherstone #1 will not be plugged as originally planned (This was one of the seven wells I submitted an application for). We have been approached by a company that is interested in purchasing the Featherstone #1 so instead of plugging the well it will be sold.

Thank you for your time and assistance. Should you have any questions or require additional information please feel free to call me at 504-898-3591.

Sincerely,

Natalie Scott

Natalie Scott

/ns

PROCEDURES AND REQUIREMENTS FOR SURFACE CASING AND THE PLUGGING OF WELLS

You are REQUIRED to set a minimum of 750 feet of surface casing on the well listed below to comply with the Minimum Casing Requirements adopted by the Arkansas Oil and Gas Commission.

Hurley Petroleum Corp — operator

Anderson #1 — lease and well no.

If you anticipate the need to pump the reserve pit down the well bore you should set a minimum of 1500 feet of surface casing. Permission must be obtained from a Commission engineer prior to the commencement of pumping operations.

Surface casing will be cemented to the surface of the earth. All cementing will be done by the pump and plug method.

You are REQUIRED to notify the Commission in ample time for an engineer of the Commission to be present to witness the running and cementing of the casing.

In the event that the well is to be abandoned, the Commission must be notified of same in ample time for an engineer of the Commission to be present to witness the plugging of the well. All wells will be plugged in accordance with Rules B-7 and B-8 of the General Rules and Regulations.

The Commission engineer for your area is Steve Saulsbury.

ENGINEERS	AREA	HOME PHONE
Danny Eakin	Hempstead, Lafayette and Miller Counties	725-2669
Dennis Endel	Columbia, Nevada and Ouachita Counties	862-8434
Steve Saulsbury	Ashley, Bradley, Calhoun and Union Counties	862-6496

In the event that the engineer of your area can not be contacted, contact the office of the ARKANSAS OIL AND GAS COMMISSION, 314 East Oak Street, El Dorado, Arkansas 71730. PHONE (501) 862-4965 8:00 am to 5:00 pm

Frank Brown	UIC Engineering Technician	863-5908
Marty Perdue	Petroleum Engineer	862-1840
Randall L. Jerry	Petroleum Engineer	862-8180
Lynn J. Fite	Deputy Director	862-1798
W. E. "Bill" Wright	Director	863-8784

ANDERSON 1

API #:	0313912602	**County:**	UNION (AR)	**Township:**	17S	**Last Completion Date:**	02-26-1986
Operator:	HURLEY PETROLEUM CORPORATION	**Lat, Lon:**	33.2291833, -92.6916046	**Range:**	15W	**Wellbore Count:**	1
Status:	P & A	**Field:**	AGNES ROAD	**Q/Q:**			
Completion Type:	OIL	**Survey:**		**Spud Date:**	10-24-1985		
GL:	207 ft	**Section:**	19	**First Completion Date:**	02-26-1986		

PERMITS

No permit data available for this well.

WELLBORES

API # 031391260200

WELLBORE

API #:	Formation:	True Vert. Depth:	Horizontal Length:
031391260200		6,740 ft	
Trajectory:	**Total Depth:**	**DI Lateral Length:**	**Elevation:**
V	6,740 ft	2 ft	207 ft

WELLBORE TRAJECTORY

No trajectory data available for this well.

WELL DESIGN

CASING

No casing data available for this well.

LINER

No liner data available for this well.

TUBING

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No tubing data available for this well.

WELL LOGS

RASTER LOGS

No raster logs available for this well.

COMPLETION

API # 03139126020000

COMPLETION SUMMARY

API #:	Completion Date:	Upper Perf:	Lower Perf:
03139126020000	02-26-1986	6,690 ft	6,692 ft

No treatment job data available for this well.

FORMATIONS

FORMATIONS

No formation data available for this well.

WELL TESTS

PRODUCTION

No production test data available for this well.

DRILL STEM TESTS

No drill stem test data available for this well.

DRILL STEM TEST PIPE RECOVERY

No pipe recovery data data available for this well.

DRILL STEM TEST FLOW PERIODS

No flow period data available for this well.

PRODUCTION

API # 03139126020000

SUMMARY

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Well Card Details

Producing Entity:	WELL	**Max Active Wells:**	1	**Cumulative Gas:**	1,734	**Oil EUR:**	
Reservoir:	SMACKOVER	**First Prod Date:**	04-01-1986	**Peak Oil:**	277	**Gas EUR:**	
District:		**Last Prod Date:**	07-01-1994	**Peak Gas:**	275	**Oil Gatherer:**	
Lease:	ANDERSON	**Months Producing:**	97	**Daily Oil:**		**Gas Gatherer:**	
Latest Well Count:	1	**Cumulative Oil:**	5,664	**Daily Gas:**			

PRODUCTION

Date	Monthly Oil (bbl)	Monthly Gas (Mcf)	Monthly Water (bbl)	Avg Daily Oil (bbl)	Avg Daily Gas (Mcf)	Avg Daily Water (bbl)	Wells	Days
04-01-1986	277	275	0	9.23	9.17	0	1	0
05-01-1986	153	153	0	4.94	4.94	0	1	0
06-01-1986	172	172	0	5.73	5.73	0	1	0
07-01-1986	119	120	0	3.84	3.87	0	1	0
08-01-1986	56	56	0	1.81	1.81	0	1	0
09-01-1986	143	141	0	4.77	4.7	0	1	0
10-01-1986	79	80	0	2.55	2.58	0	1	0
11-01-1986	70	70	0	2.33	2.33	0	1	0
12-01-1986	155	150	0	5	4.84	0	1	0
01-01-1987	65	60	0	2.1	1.94	0	1	0
02-01-1987	6	6	0	0.21	0.21	0	1	0
03-01-1987	162	17	0	5.23	0.55	0	1	0
04-01-1987	85	17	0	2.83	0.57	0	1	0
05-01-1987	101	11	0	3.26	0.35	0	1	0
06-01-1987	91	10	0	3.03	0.33	0	1	0
07-01-1987	93	9	0	3	0.29	0	1	0
08-01-1987	103	11	0	3.32	0.35	0	1	0
09-01-1987	68	7	0	2.27	0.23	0	1	0
10-01-1987	90	1	0	2.9	0.03	0	1	0
11-01-1987	96	10	0	3.2	0.33	0	1	0
12-01-1987	81	8	0	2.61	0.26	0	1	0
01-01-1988	141	14	0	4.55	0.45	0	1	0
02-01-1988	34	4	0	1.17	0.14	0	1	0
03-01-1988	95	10	0	3.06	0.32	0	1	0
04-01-1988	72	7	0	2.4	0.23	0	1	0
05-01-1988	147	15	0	4.74	0.48	0	1	0

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06-01-1988	29	3	0	0.97	0.1	0	1	0
07-01-1988	115	11	0	3.71	0.35	0	1	0
08-01-1988	186	18	0	6	0.58	0	1	0
09-01-1988	21	2	0	0.7	0.07	0	1	0
10-01-1988	44	4	0	1.42	0.13	0	1	0
11-01-1988	77	8	0	2.57	0.27	0	1	0
12-01-1988	188	19	0	6.06	0.61	0	1	0
01-01-1989	17	2	0	0.55	0.06	0	1	0
02-01-1989	5	2	0	0.18	0.07	0	1	0
03-01-1989	34	3	0	1.1	0.1	0	1	0
04-01-1989	64	6	0	2.13	0.2	0	1	0
05-01-1989	71	7	0	2.29	0.23	0	1	0
06-01-1989	64	6	0	2.13	0.2	0	1	0
07-01-1989	82	8	0	2.65	0.26	0	1	0
08-01-1989	25	3	0	0.81	0.1	0	1	0
09-01-1989	84	8	0	2.8	0.27	0	1	0
10-01-1989	59	0		1.9	0		1	
11-01-1989	46	4	0	1.53	0.13	0	1	0
12-01-1989	22	8	0	0.71	0.26	0	1	0
02-01-1990	7	4	0	0.25	0.14	0	1	0
03-01-1990	22	3	0	0.71	0.1	0	1	0
04-01-1990	20	6	0	0.67	0.2	0	1	0
05-01-1990	96	11	0	3.1	0.35	0	1	0
06-01-1990	151	13	0	5.03	0.43	0	1	0
07-01-1990	25	10	0	0.81	0.32	0	1	0
08-01-1990	44	9	0	1.42	0.29	0	1	0
09-01-1990	39	5	0	1.3	0.17	0	1	0
10-01-1990	68	7	0	2.19	0.23	0	1	0
11-01-1990	38	3	0	1.27	0.1	0	1	0
12-01-1990	38	4	0	1.23	0.13	0	1	0
01-01-1991	16	3	0	0.52	0.1	0	1	0
02-01-1991	61	6	0	2.18	0.21	0	1	0
03-01-1991	31	4	0	1	0.13	0	1	0
04-01-1991	33	4	0	1.1	0.13	0	1	0
05-01-1991	46	5	0	1.48	0.16	0	1	0
06-01-1991	83	10	0	2.77	0.33	0	1	0
07-01-1991	10	10	0	0.32	0.32	0	1	0

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08-01-1991	2	1	0	0.06	0.03	0	1	0
09-01-1991	34	1	0	1.13	0.03	0	1	0
10-01-1991	19	1	0	0.61	0.03	0	1	0
11-01-1991	33	1	0	1.1	0.03	0	1	0
12-01-1991	35	7	0	1.13	0.23	0	1	0
01-01-1992	33	4	0	1.06	0.13	0	1	0
02-01-1992	17	3	0	0.59	0.1	0	1	0
03-01-1992	35	4	0	1.13	0.13	0	1	0
04-01-1992	32	3	0	1.07	0.1	0	1	0
05-01-1992	36	4	0	1.16	0.13	0	1	0
06-01-1992	34	3	0	1.13	0.1	0	1	0
07-01-1992	87	4	0	2.81	0.13	0	1	0
08-01-1992	30	2	0	0.97	0.06	0	1	0
09-01-1992	4	1	0	0.13	0.03	0	1	0
10-01-1992	5	1	0	0.16	0.03	0	1	0
11-01-1992	6	1	0	0.2	0.03	0	1	0
01-01-1993	14	1	0	0.45	0.03	0	1	0
02-01-1993	21	1	0	0.75	0.04	0	1	0
03-01-1993	36	1	0	1.16	0.03	0	1	0
04-01-1993	23	1	0	0.77	0.03	0	1	0
05-01-1993	50	2	0	1.61	0.06	0	1	0
06-01-1993	19	2	0	0.63	0.07	0	1	0
07-01-1993	28	2	0	0.9	0.06	0	1	0
08-01-1993	25	1	0	0.81	0.03	0	1	0
09-01-1993	12	1	0	0.4	0.03	0	1	0
10-01-1993	18	1	0	0.58	0.03	0	1	0
11-01-1993	19	1	0	0.63	0.03	0	1	0
01-01-1994	35	2	0	1.13	0.06	0	1	0
02-01-1994	31	2	0	1.11	0.07	0	1	0
03-01-1994	19	1	0	0.61	0.03	0	1	0
04-01-1994	21	1	0	0.7	0.03	0	1	0
05-01-1994	15	0		0.48	0		1	
06-01-1994	17	0		0.57	0		1	
07-01-1994	4	0		0.13	0		1	

CHART

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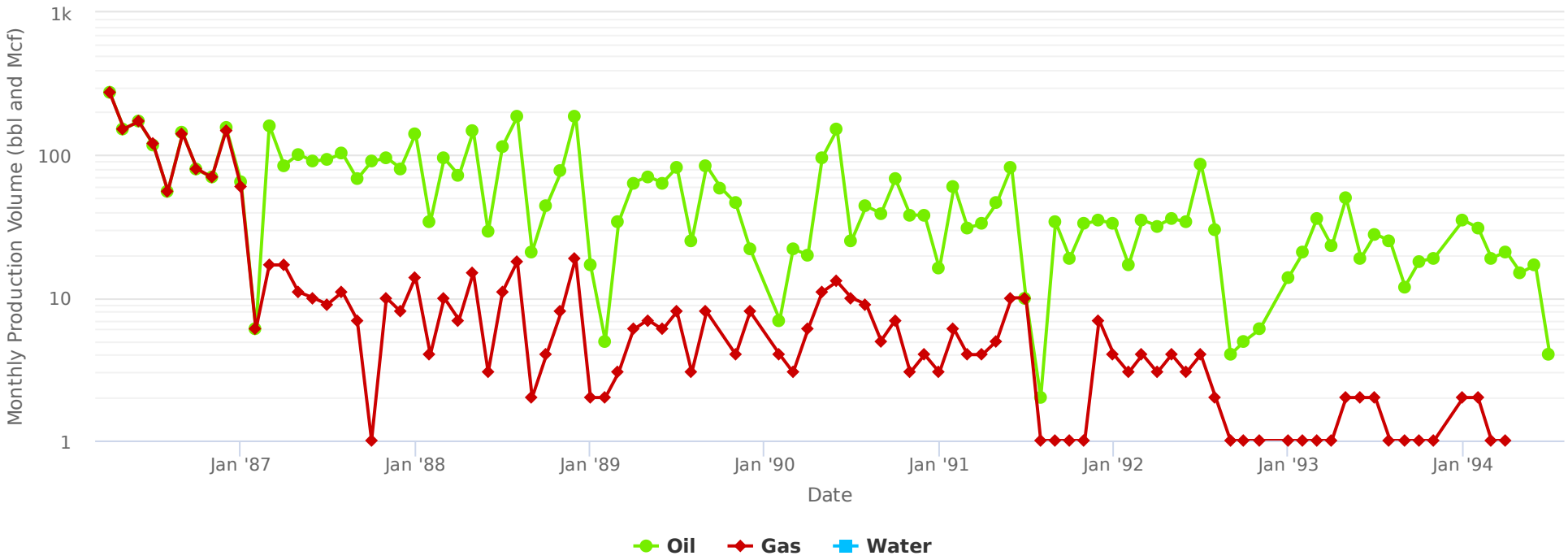
Monthly Production



HISTORY

HISTORY

Effective Date	Operator	Activity
04-01-1986	HURLEY PETROLEUM CORPORATION	Production
02-26-1986	HURLEY PETROLEUM CORPORATION	Completion
02-26-1986	HURLEY PETROLEUM CORPORATION	Production
10-24-1985	HURLEY PETROLEUM CORPORATION	Spud

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TIGHT HOLE

Dresser Atlas

DRESSER

DUAL INDUCTION FOCUSED LOG
BHC ACOUSTILOG ®
GAMMA RAY

FILE NO. 32033

API NO.

FINAL PRINT

COMPANY HURLEY PETROLEUM CORP.

WELL ANDERSON NO. 1

FIELD AGNES ROAD

COUNTY UNION STATE ARKANSAS

LOCATION:

542' FNL & 330' FWL

542 FNL + 330 FWL

SEC 19 TWP 17S RGE 15W

OTHER SERVICES

PERMANENT DATUM G. L. ELEV. 206.97

LOGGING MEASURED FROM K. B. 11.4 FT. ABOVE P.D.

DRILLING MEASURED FROM K. B.

ELEVATIONS

KB	218.97
DF	217.07
GL	206.97

DATE	11-16-85	
RUN	1	
SERVICE ORDER	101649	
DEPTH-DRILLER	6740	
DEPTH-LOGGER	6736	
BOTTOM LOGGED INTERVAL	6734	
TOP LOGGED INTERVAL	758	
CASING - DRILLER	8 5/8 @ 758	
CASING - LOGGER	758	
BIT SIZE	7 7/8	
TYPE FLUID IN HOLE	GEL/LIGNO	
DENSITY / VISCOSITY	9.7	46
PH / FLUID LOSS	10.5	8.2
SOURCE OF SAMPLE	FLOWLINE	
RM AT MEAS. TEMP.	2.18 @ 69	@
RMF AT MEAS. TEMP.	1.64 @ 69	@
RMC AT MEAS. TEMP.	2.73 @ 69	@
SOURCE OF RMF / RMC	CALC	CALC
RM AT BHT	0.9 @ 176	@
TIME SINCE CIRCULATION	4 HRS.	
MAX. REC. TEMP. DEG. F	176	
EQUIP. NO. / LOC.	6147	SHREVEPORT
RECORDED BY	MARK MELHUISH	
WITNESSED BY	ROBERTSON, BRUNE	

FILE PRINT
RECEIVED
MAY 02 1986
ARKANSAS OIL & GAS COMMISSION