Event: WELL MAINT - RIG
Event End: 3/24/2006 00:00
Sec. Reason: HOLE
End Status: FINISHED - SUCCESS
Well Classification: DEVELOPMENT

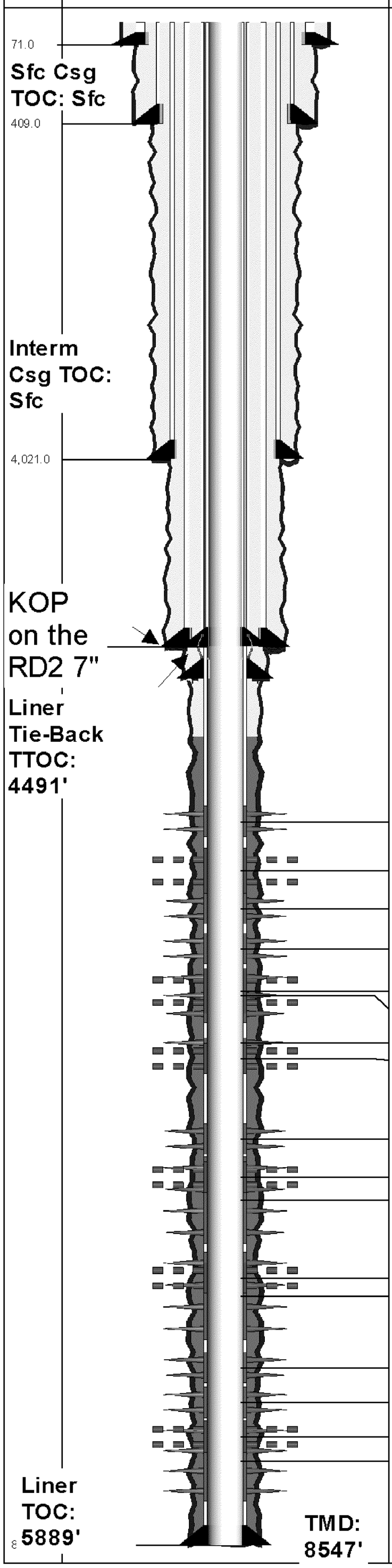
OCCIDENTAL OF ELK HILLS INC

9-354H-4G-RD4

Ground Level: 994.0ft
Datum: Original KB @ 1,025.00ft (default)
API No.: 0402953380

Wellbore: ST 4
PBMD: 8,547.0ft
Btm TMD: 8,547.0ft
Spud Date: 6/11/1976 00:00
BH Coord X: 6,144,733.88uss ft
BH Coord Y: 2,286,315.83uss ft

Casing Shoes (ft) | Schematic (3/24/2006) | Openings Top/Btm/Type/Status



Wellbore Status: Inactive Producer

NO USDW PRESENT

Top of Injection Zone: Not Penetrated

6,390.0ft, 6,500.0ft, PERFORATED, OPEN
6,655.7ft, 6,659.5ft, PORTED SUB, OPEN
6,660.0ft, 6,700.0ft, PERFORATED, OPEN
6,830.0ft, 6,910.0ft, PERFORATED, OPEN
6,974.5ft, 6,978.3ft, PORTED SUB, OPEN
6,970.0ft, 7,100.0ft, PERFORATED, OPEN
7,310.0ft, 7,380.0ft, PERFORATED, OPEN
7,379.5ft, 7,383.2ft, PORTED SUB, OPEN
7,450.0ft, 7,540.0ft, PERFORATED, OPEN
7,646.6ft, 7,650.3ft, PORTED SUB, OPEN
7,580.0ft, 7,730.0ft, PERFORATED, OPEN
7,994.8ft, 7,998.5ft, PORTED SUB, OPEN
7,850.0ft, 8,020.0ft, PERFORATED, OPEN
8,190.0ft, 8,270.0ft, PERFORATED, OPEN
8,330.0ft, 8,350.0ft, PERFORATED, OPEN
8,402.2ft, 8,405.9ft, PORTED SUB, OPEN
8,390.0ft, 8,460.0ft, PERFORATED, OPEN

ROD STRING Report Date: 3/24/2006 00:00

Component	Top MD (ft)	Btm MD (ft)
POLROD	0.0	36.0
PNYROD	36.0	48.0
ROD	48.0	78.0
R-4PER	78.0	1,128.0
ROD	1,128.0	2,568.0
ROD	2,568.0	5,918.0
RSTBAR	5,918.0	5,922.0
INSPMP	5,922.0	5,946.0

ROD STRING Report Date: 12/8/2005 00:00

Component	Top MD (ft)	Btm MD (ft)
POLROD	0.0	36.0
PNYROD	36.0	48.0
ROD	48.0	2,508.0
ROD	2,508.0	5,858.0
RSTBAR	5,858.0	5,862.0
INSPMP	5,862.0	5,886.0

Well: 9-354-4G-RD4 S/T/R: 4G/31S/24E

CASING CEMENT DETAIL
- - -

Sfc Csg. Cmt Vol: 692 cf
Hole Size: 24"
Casing Size: 20"
Top Job: No
Rtns to Sfc: Yes (100 cf)
TOC: Sfc
- - -

Interm Csg. Cmt Vol: 3631 cf
Hole Size: 19"
Casing Size: 16"
Top Job: No
Rtns to Sfc: Yes (400 cf)
TOC: Sfc
- - -

RD1 Prod. Csg. Cmt Vol: 14640 cf
Hole Size: 14.75"
Casing Size: 11.75"
Top Job: No
Rtns to Sfc: Yes (250 cf)
TOC: Sfc
- - -

RD2 Prod. Csg. Cmt Vol: 2800 cf
Hole Size: 9.875"
Casing Size: 7"
Top Job: No
Rtns to Sfc: No
TTOC: Sfc
- - -

Liner Cmt Vol: 86 cf
Hole Size: 6.125" (6092'-6097')
7.875" (6097'-6211')
6.125" (6211'-8547')
Casing Size: 4.5"
Top Job: No
Rtns to Sfc: Yes (11 cf)
TOC: 5889' (TOL)
- - -

Liner Tie-Back Cmt Vol: 58 cf
Hole Size:
Casing Size: 5.5"
Top Job: No
Rtns to Sfc: No
TTOC: 4991'
- - -

Top of Injection Zone:
Not penetrated
- - -

Volume Behind Pipe:
1.18 Yield Assumed
Theoretical Calculations (TTOC)
May 2012

CONDUCTOR CASING Report Date: 4/9/1976 00:00

Item	OD (in)	Grade	Wt. (ppf)	TopMD (ft)	BtmMD (ft)
CASING JOINT(S)	26.000			31.0	71.0

SURFACE CASING Report Date: 6/12/1976 00:00

Item	OD (in)	Grade	Wt. (ppf)	TopMD (ft)	BtmMD (ft)
CASING JOINT(S)	20.000	H-40	94.00	31.0	365.2
FLOAT COLLAR	20.000			365.2	368.1
CASING JOINT(S)	20.000	H-40	94.00	368.1	407.4
FLOAT SHOE	20.000			407.4	409.0

INTERMEDIATE CASING Report Date: 6/24/1976 00:00

Item	OD (in)	Grade	Wt. (ppf)	TopMD (ft)	BtmMD (ft)
CASING JOINT(S)	16.000	N-80	93.10	31.0	3,977.0
FLOAT COLLAR	16.000	N-80	93.10	3,977.0	3,979.4
CASING JOINT(S)	16.000	N-80	93.10	3,979.4	4,019.0
FLOAT SHOE	16.000	N-80	93.10	4,019.0	4,021.0

PRODUCTION CASING Report Date: 2/25/1977 00:00

Item	OD (in)	Grade	Wt. (ppf)	TopMD (ft)	BtmMD (ft)
CASING JOINT(S)	11.750	P-110	83.00	31.0	111.0
CASING JOINT(S)	11.750	P-110	75.00	111.0	3,078.0
CASING JOINT(S)	11.750	P-110	65.00	3,078.0	5,934.0
CASING JOINT(S)	11.750	P-110	75.00	5,934.0	8,988.0
CASING JOINT(S)	11.750	P-110	83.00	8,988.0	13,399.8
FLOAT COLLAR	11.750	P-110	84.00	13,399.8	13,401.7
CASING JOINT(S)	11.750	P-110	84.00	13,401.7	13,479.4
FLOAT SHOE	11.750	P-110	84.00	13,479.4	13,482.0

PRODUCTION CASING Report Date: 3/20/1978 00:00

Item	OD (in)	Grade	Wt. (ppf)	TopMD (ft)	BtmMD (ft)
CASING JOINT(S)	7.000	K-55	26.00	31.0	44.8
CASING JOINT(S)	7.000	K-55	23.00	44.8	5,196.8
CASING JOINT(S)	7.000	K-55	26.00	5,196.8	6,050.4
FLAG JOINT	7.000	K-55	26.00	6,050.4	6,069.9
CASING JOINT(S)	7.000	K-55	26.00	6,069.9	7,420.6
FLOAT COLLAR	7.000	K-55	26.00	7,420.6	7,465.0
CASING JOINT(S)	7.000	K-55	26.00	7,465.0	7,505.6
FLOAT SHOE	7.000	K-55	26.00	7,505.6	7,508.0

LINER TIE-BACK Report Date: 1/18/2001 00:00

Item	OD (in)	Grade	Wt. (ppf)	TopMD (ft)	BtmMD (ft)
CASING JOINT(S)	5.500	P-110	17.00	31.0	5,888.0
TIE BACK	5.500	P-110	17.00	5,888.0	5,889.0

LINER Report Date: 1/16/2001 00:00

Item	OD (in)	Grade	Wt. (ppf)	TopMD (ft)	BtmMD (ft)
TIE BACK RECEPTACLE	6.276	N-80		5,889.0	5,900.5
LINER HANGER PACKER	6.276	N-80		5,900.5	5,907.4
DRILLABLE PACKOFF	5.500	N-80		5,907.4	5,909.1
LINER HANGER	6.276	N-80		5,909.1	5,918.6
CROSSOVER	6.000	N-80	11.60	5,918.6	5,919.4
CASING JOINT(S)	4.500	N-80	11.60	5,919.4	6,174.4
PUP JOINT	4.500	N-80	11.60	6,174.4	6,180.4
CEMENT STAGE TOOL	6.750	N-80		6,180.4	6,184.4
ECP	6.125	N-80		6,184.4	6,207.4
FLOAT COLLAR	4.500	N-80		6,207.4	6,208.8
PUP JOINT	4.500	N-80	11.60	6,208.8	6,212.6
CASING JOINT(S)	4.500	N-80	11.60	6,212.6	6,655.7
PORTED SUB	4.500	N-80	20.00	6,655.7	6,659.5
CASING JOINT(S)	4.500	N-80	11.60	6,659.5	6,974.5
PORTED SUB	4.500	N-80	20.00	6,974.5	6,978.3
CASING JOINT(S)	4.500	N-80	11.60	6,978.3	7,379.5
PORTED SUB	4.500	N-80	20.00	7,379.5	7,383.2
CASING JOINT(S)	4.500	N-80	11.60	7,383.2	7,646.6
PORTED SUB	4.500	N-80	20.00	7,646.6	7,650.3
CASING JOINT(S)	4.500	N-80	11.60	7,650.3	7,994.8
PORTED SUB	4.500	N-80	20.00	7,994.8	7,998.5
CASING JOINT(S)	4.500	N-80	11.60	7,998.5	8,402.2
PORTED SUB	4.500	N-80	20.00	8,402.2	8,405.9
CASING JOINT(S)	4.500	N-80	11.60	8,405.9	8,540.2
BULL PLUG	4.500			8,540.2	8,541.4