Event: WELL MAINT - RIG
Event End: 2/5/2011 00:00
Sec. Reason: HOLE
End Status:
Well Classification: DEVELOPMENT

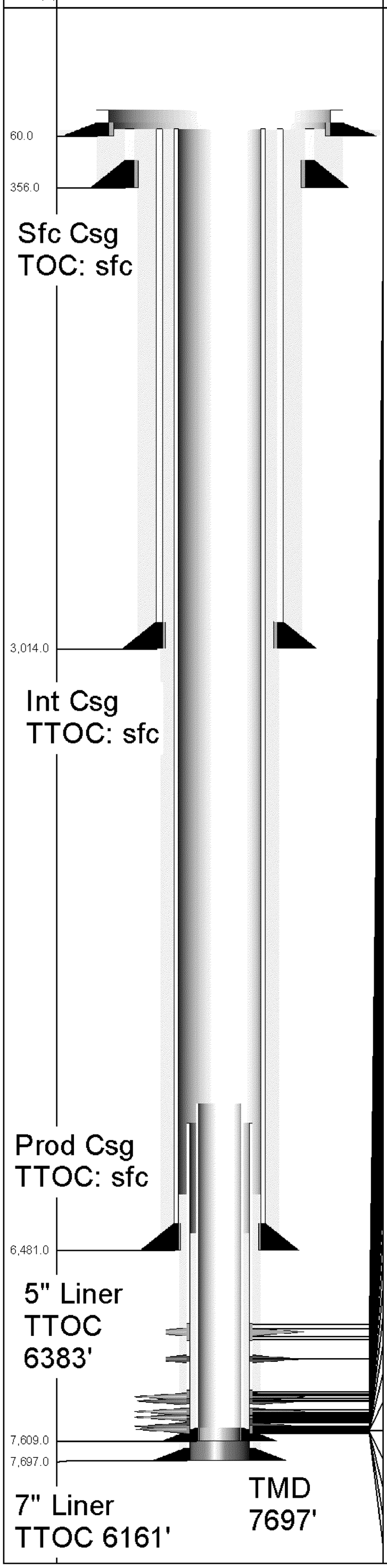
OCCIDENTAL OF ELK HILLS INC

# 352X-3G

Ground Level: 921.0ft
Datum: ORIGINAL KB @ 941.00ft (default)
API No.: 0402984529

Wellbore: ORIGINAL HOLE
PBMD: 7,609.0ft
Btm TMD: 7,697.0ft
Spud Date: 9/7/1989 00:00
BH Coord X: 6,148,376.78uss ft
BH Coord Y: 2,285,814.74uss ft

Casing Shoes (ft) | Schematic (2/5/2011) | Openings Top/Btm/Type/Status




***Tulare Zone Deemed An Exempt Aquifer By EPA***

7,285.0ft, 7,305.0ft, SQZ PERFS, OPEN
7,285.0ft, 7,305.0ft, PERFORATED, SQUEEZED
7,290.0ft, 7,303.0ft, REPERFORATED, OPEN
7,303.0ft, 7,313.0ft, REPERFORATED, OPEN
7,305.0ft, 7,325.0ft, SQZ PERFS, SQUEEZED
7,305.0ft, 7,325.0ft, PERFORATED, SQUEEZED
7,328.0ft, 7,339.0ft, REPERFORATED, OPEN
6,904.0ft, 6,910.0ft, PERFORATED, ISOLATED
7,325.0ft, 7,365.0ft, SQZ PERFS, SQUEEZED
6,930.0ft, 6,934.0ft, PERFORATED, ISOLATED
7,325.0ft, 7,365.0ft, PERFORATED, SQUEEZED
6,970.0ft, 6,982.0ft, PERFORATED, ISOLATED
7,339.0ft, 7,360.0ft, REPERFORATED, OPEN
6,967.0ft, 7,000.0ft, PERFORATED, ISOLATED
7,336.0ft, 7,365.0ft, PERFORATED, OPEN
7,390.0ft, 7,410.0ft, REPERFORATED, OPEN
7,390.0ft, 7,425.0ft, PERFORATED, ABANDONED
7,390.0ft, 7,425.0ft, SQZ PERFS, SQUEEZED
7,415.0ft, 7,415.1ft, REPERFORATED, OPEN
7,410.0ft, 7,431.0ft, REPERFORATED, OPEN
7,410.0ft, 7,432.0ft, PERFORATED, SQUEEZED
7,410.0ft, 7,432.0ft, PERFORATED, SQUEEZED
7,410.0ft, 7,432.0ft, SQZ PERFS, SQUEEZED
7,411.0ft, 7,432.0ft, REPERFORATED, OPEN
7,423.0ft, 7,423.1ft, REPERFORATED, OPEN
7,433.0ft, 7,433.1ft, REPERFORATED, OPEN
7,438.0ft, 7,438.1ft, REPERFORATED, OPEN
7,431.0ft, 7,452.0ft, REPERFORATED, OPEN
7,433.0ft, 7,453.0ft, REPERFORATED, OPEN
7,433.0ft, 7,453.0ft, PERFORATED, OPEN
7,433.0ft, 7,453.0ft, SQZ PERFS, OPEN
7,443.0ft, 7,443.1ft, REPERFORATED, OPEN
7,435.0ft, 7,453.0ft, PERFORATED, SQUEEZED
7,448.0ft, 7,448.1ft, REPERFORATED, OPEN
7,453.0ft, 7,453.1ft, REPERFORATED, OPEN
7,453.0ft, 7,468.0ft, PERFORATED, ABANDONED
7,453.0ft, 7,468.0ft, SQZ PERFS, OPEN
7,465.0ft, 7,465.1ft, REPERFORATED, OPEN
7,468.0ft, 7,468.1ft, REPERFORATED, OPEN
7,469.0ft, 7,478.0ft, SQZ PERFS, OPEN
7,495.0ft, 7,495.1ft, REPERFORATED, OPEN
7,498.0ft, 7,498.1ft, REPERFORATED, OPEN
7,508.0ft, 7,508.1ft, REPERFORATED, OPEN
7,513.0ft, 7,513.1ft, REPERFORATED, OPEN
7,488.0ft, 7,552.0ft, PERFORATED, ABANDONED
7,488.0ft, 7,552.0ft, PERFORATED, SQUEEZED
7,488.0ft, 7,552.0ft, SQZ PERFS, SQUEEZED
7,523.0ft, 7,523.1ft, REPERFORATED, OPEN
7,528.0ft, 7,528.1ft, REPERFORATED, OPEN
7,533.0ft, 7,533.1ft, REPERFORATED, OPEN
7,538.0ft, 7,538.1ft, REPERFORATED, OPEN
7,545.0ft, 7,545.1ft, REPERFORATED, OPEN
7,550.0ft, 7,550.1ft, REPERFORATED, OPEN

**Top of Injection Zone B-Sand 6888'**

PACKER ASSEMBLY (RETRIEVABLE) Report Date: 3/27/2002 00:00

| Component | Top MD (ft) | Btm MD (ft) |
|---|---|---|
| PKR-S | 7,220.0 | 7,222.4 |
| SBEXT | 7,222.4 | 7,226.0 |
| MCEXT | 7,226.0 | 7,229.9 |
| XO | 7,229.9 | 7,230.6 |
| PUPJNT | 7,230.6 | 7,240.6 |
| PNIP-O | 7,240.6 | 7,241.8 |
| PUPJNT | 7,241.8 | 7,249.9 |
| POPLUG | 7,249.9 | 7,250.4 |

PLUG BACK Report Date: 8/29/2003 00:00

| Component | Top MD (ft) | Btm MD (ft) |
|---|---|---|
| FILL | 7,502.0 | 7,609.0 |

PLUG BACK Report Date: 8/25/1995 00:00

| Component | Top MD (ft) | Btm MD (ft) |
|---|---|---|
| CEMENT | 7,609.0 | 7,697.0 |

CONDUCTOR CASING Report Date: 6/27/1989 00:00

| Item | OD (in) | Grade | Wt. (ppf) | TopMD (ft) | BtmMD (ft) |
|---|---|---|---|---|---|
| CASING JOINT(S) | 26.000 | K-55 | | 20.0 | 60.0 |

SURFACE CASING Report Date: 9/10/1989 00:00

| Item | OD (in) | Grade | Wt. (ppf) | TopMD (ft) | BtmMD (ft) |
|---|---|---|---|---|---|
| CASING JOINT(S) | 20.000 | K-55 | 94.00 | 20.0 | 356.0 |

INTERMEDIATE CASING Report Date: 9/16/1989 00:00

| Item | OD (in) | Grade | Wt. (ppf) | TopMD (ft) | BtmMD (ft) |
|---|---|---|---|---|---|
| CASING JOINT(S) | 13.375 | K-55 | 68.00 | 20.0 | 3,014.0 |

PRODUCTION CASING Report Date: 9/30/1989 00:00

| Item | OD (in) | Grade | Wt. (ppf) | TopMD (ft) | BtmMD (ft) |
|---|---|---|---|---|---|
| CASING JOINT(S) | 9.625 | N-80 | 43.50 | 20.0 | 2,344.0 |
| CASING JOINT(S) | 9.625 | C-95 | 47.00 | 2,344.0 | 3,494.0 |
| CASING JOINT(S) | 9.625 | N-80 | 53.50 | 3,494.0 | 5,976.0 |
| CASING JOINT(S) | 9.625 | | 53.50 | 5,976.0 | 6,481.0 |

LINER Report Date: 10/23/1989 00:00

| Item | OD (in) | Grade | Wt. (ppf) | TopMD (ft) | BtmMD (ft) |
|---|---|---|---|---|---|
| CASING JOINT(S) | 7.000 | N-80 | 29.00 | 6,161.0 | 7,697.0 |

INNER LINER Report Date: 8/25/1995 00:00

| Item | OD (in) | Grade | Wt. (ppf) | TopMD (ft) | BtmMD (ft) |
|---|---|---|---|---|---|
| CASING JOINT(S) | 5.000 | N-80 | 18.00 | 6,383.0 | 6,390.0 |
| CASING JOINT(S) | 5.000 | N-80 | 18.00 | 6,390.0 | 7,609.0 |

Well: 352X-3G S/T/R: 3G/31S/24E

CASING CEMENT DETAIL
- - -
Sfc Csg. Cmt Vol: 690 cf
Hole Size: 24"
Casing Size: 20"
Top Job: NO
Rtns to Sfc: YES (120 cf)
TOC: Surface
- - -

Interm Csg. Cmt Vol: 3500 cf
Hole Size: 17-1/2"
Casing Size: 13-3/8"
Top Job: NO
Rtns to Sfc: NO
TTOC: Surface
- - -

Prod. Csg. Cmt Vol: 3100 cf
Hole Size: 12-1/4"
Casing Size: 9-5/8"
Top Job: NO
Rtns to Sfc: NO
TTOC: Surface
- - -

Liner Cmt Vol: 350 cf
Hole Size: 8-1/2"
Casing Size: 7"
Top Job: NO
Rtns to Sfc: NO
TTOC: 6161'
- - -

Liner Cmt Vol: 157 cf
Hole Size: 6.184" (7" Liner ID)
Casing Size: 5"
Top Job: NO
Rtns to Sfc: NO
TTOC: 6383'

Top of Formation:
B-Sand 6888'

- - -

Volume Behind Pipe:
1.3 Yield Assumed
Theoretical Calculations (TTOC)
DWN April 2011