OCCIDENTAL OF ELK HILLS INC

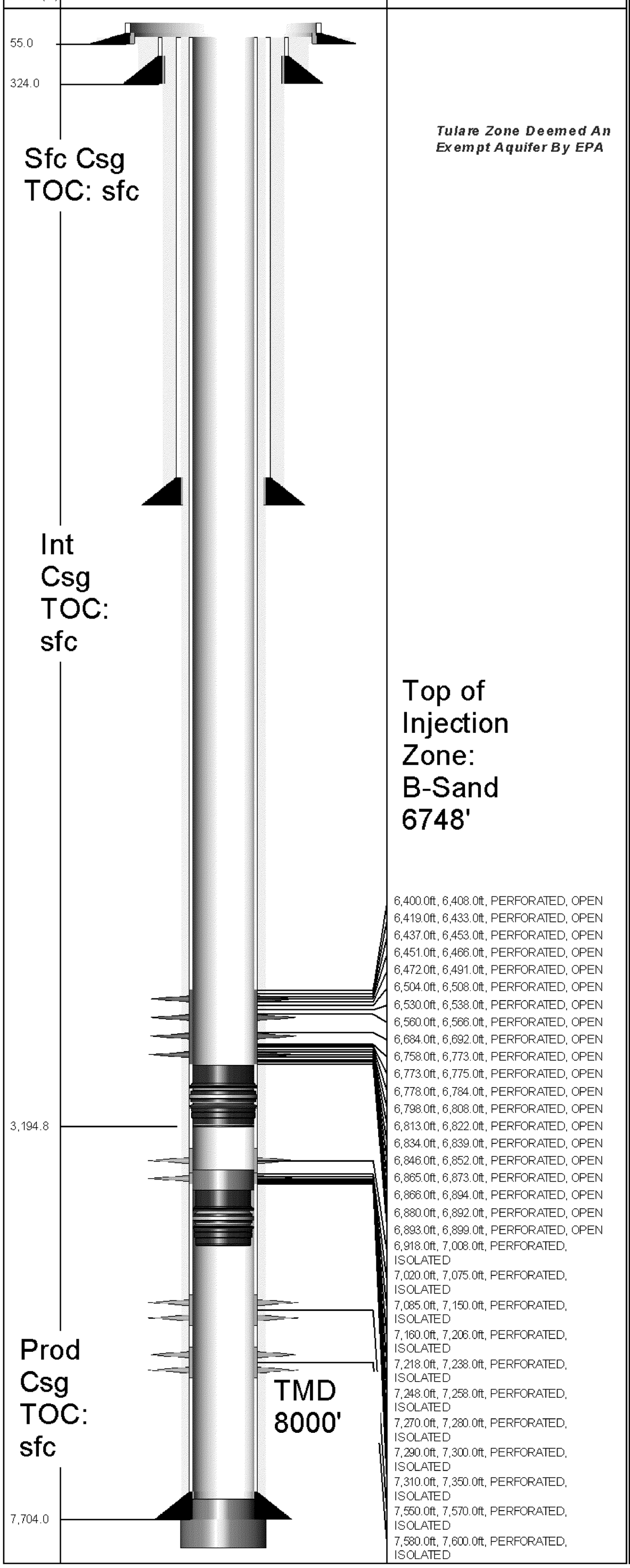
# 357-35S

Event: WELL MAINT - RIG
Event End: 6/29/2010 00:00
Sec. Reason: COUPLING
End Status: FINISHED - SUCCESS
Well Classification: DEVELOPMENT - CLASS III

Ground Level: 701.0ft
Datum: ORIGINAL KB @ 715.00ft (default)
API No.: 0402953114

Wellbore: ORIGINAL HOLE
PBMD: 6,906.0ft
Btm TMD: 8,000.0ft
Spud Date: 6/23/1976 00:00
BH Coord X: 6,153,644.13uss ft
BH Coord Y: 2,287,703.12uss ft

Casing Shoes (ft) | Schematic (6/29/2010) | Openings Top/Btm/Type/Status




**PLUG BACK** Report Date: 11/4/2003 00:00

| Component | Top MD (ft) | Btm MD (ft) |
|---|---|---|
| BP-DR | 6,906.0 | 6,908.0 |

**PLUG BACK** Report Date: 9/26/2000 00:00

| Component | Top MD (ft) | Btm MD (ft) |
|---|---|---|
| CEMENT | 6,928.0 | 7,525.0 |

**PLUG BACK** Report Date: 7/23/1976 00:00

| Component | Top MD (ft) | Btm MD (ft) |
|---|---|---|
| BP-RET | 7,525.0 | 7,527.0 |

**PLUG BACK** Report Date: 7/22/1976 00:00

| Component | Top MD (ft) | Btm MD (ft) |
|---|---|---|
| CEMENT | 7,657.0 | 7,704.0 |

**PLUG BACK** Report Date: 7/21/1976 00:00

| Component | Top MD (ft) | Btm MD (ft) |
|---|---|---|
| CEMENT | 7,704.0 | 8,000.0 |

**ROD STRING** Report Date: 6/29/2010 00:00

| Component | Top MD (ft) | Btm MD (ft) |
|---|---|---|
| POLRDL | 0.0 | 36.0 |
| PNYROD | 36.0 | 48.0 |
| R-4PER | 48.0 | 2,358.0 |
| R-4PER | 2,358.0 | 6,858.0 |
| RSTBAR | 6,858.0 | 6,862.0 |
| INSPMP | 6,862.0 | 6,886.0 |

**CONDUCTOR CASING** Report Date: 2/25/1976 00:00

| Item | OD (in) | Grade | Wt. (ppf) | TopMD (ft) | BtmMD (ft) |
|---|---|---|---|---|---|
| CASING JOINT(S) | 20.000 | | | 14.0 | 55.0 |

**SURFACE CASING** Report Date: 6/23/1976 00:00

| Item | OD (in) | Grade | Wt. (ppf) | TopMD (ft) | BtmMD (ft) |
|---|---|---|---|---|---|
| CASING JOINT(S) | 13.375 | K-55 | 54.50 | 14.0 | 281.3 |
| FLOAT COLLAR | 13.375 | K-55 | 54.50 | 281.3 | 281.3 |
| CASING JOINT(S) | 13.375 | K-55 | 54.50 | 281.3 | 323.0 |
| FLOAT SHOE | 13.375 | K-55 | 54.50 | 323.0 | 324.0 |

**INTERMEDIATE CASING** Report Date: 6/28/1976 00:00

| Item | OD (in) | Grade | Wt. (ppf) | TopMD (ft) | BtmMD (ft) |
|---|---|---|---|---|---|
| CASING JOINT(S) | 9.625 | K-55 | 40.50 | 14.0 | 3,105.2 |
| FLOAT COLLAR | 9.625 | K-55 | 40.50 | 3,105.2 | 3,105.3 |
| CASING JOINT(S) | 9.625 | K-55 | 40.50 | 3,105.3 | 3,148.6 |
| FLOAT SHOE | 9.625 | K-55 | 40.50 | 3,148.6 | 3,150.0 |

**PRODUCTION CASING** Report Date: 7/21/1976 00:00

| Item | OD (in) | Grade | Wt. (ppf) | TopMD (ft) | BtmMD (ft) |
|---|---|---|---|---|---|
| CASING JOINT(S) | 7.000 | K-55 | 26.00 | 14.0 | 96.8 |
| CASING JOINT(S) | 7.000 | K-55 | 23.00 | 96.8 | 4,810.0 |
| CASING JOINT(S) | 7.000 | K-55 | 26.00 | 4,810.0 | 6,802.0 |
| FLAG JOINT | 7.000 | K-55 | 26.00 | 6,802.0 | 6,816.3 |
| CASING JOINT(S) | 7.000 | K-55 | 26.00 | 6,816.3 | 7,657.0 |
| FLOAT COLLAR | 7.000 | K-55 | 26.00 | 7,657.0 | 7,659.0 |
| CASING JOINT(S) | 7.000 | K-55 | 26.00 | 7,659.0 | 7,701.7 |
| FLOAT SHOE | 7.000 | K-55 | 26.00 | 7,701.7 | 7,704.0 |

Well: 357-35S S/T/R: 35S/30S/24E

CASING CEMENT DETAIL
- - -
Sfc Csg. Cmt Vol: 342 cf
Hole Size: 17-1/2"
Casing Size: 13-3/8"
Top Job: YES (117 cf)
Rtns to Sfc: YES
TOC: sfc
- - -

Interm Csg. Cmt Vol: 1679 cf
Hole Size: 12-1/4"
Casing Size: 9-5/8"
Top Job: NO
Rtns to Sfc: YES (250 cf)
TOC: sfc
- - -

Prod. Csg. Cmt Vol: 2540 cf
Hole Size: 8-3/4"
Casing Size: 7"
Top Job: NO
Rtns to Sfc: YES (250 cf)
TOC: sfc
- - -

Liner Cmt Vol: None
Hole Size:
Casing Size:
Top Job:
Rtns to Sfc:
TTOC:
- - -

Top of Formation:
B-Sand 6748'

- - -

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