

**List of Wells within the Area of Review**

| API #                                     | Lease Name & No            | Well Type     | Date Drilled | Location                  | Depth | Record of Completion | P&A       | TOC   |
|-------------------------------------------|----------------------------|---------------|--------------|---------------------------|-------|----------------------|-----------|-------|
| 30-025-03862                              | Lovington Paddock Unit #74 | Oil           | 11/21/1953   | Twtn 17S, Rge 36E, Sec 2  | 8801  | 3/13/1954            | n/a       | 3335' |
| 30-025-03924                              | Cities State #1            | Abandoned Oil | 11/14/56     | Twtn 17S, Rge 36E, Sec 11 | 4089  | 11/30/1956           | 7/14/1970 | n/a   |
| 30-025-03925                              | State X #1                 | Abandoned Oil | 2/24/52      | Twtn 17S, Rge 36E, Sec 11 | 11500 | 8/1/1952             | 9/8/1952  | 1940' |
| 30-025-23969                              | Durham State #1            | Abandoned Oil | 12/20/71     | Twtn 17S, Rge 36E, Sec 11 | 4045  | 6/29/1972            | 7/10/1972 | n/a   |
| 30-025-34708                              | Mobil "2" State #1         | Oil           | 10/7/1999    | Twtn 17S, Rge 36E, Sec 2  | 8227  | 12/22/1999           | n/a       | 3500' |
| 30-025-37902                              | Angell #1                  | Oil--         | 6/14/06      | Twtn 17S, Rge 36E, Sec 11 | 6450  | 5/5/2007             | n/a       | 2756' |
| 30-025-39047                              | State Section 12 #1        | Oil           | 9/26/2008    | Twtn 17S, Rge 36E, Sec 12 | 6450  | 12/30/2008           | n/a       | 1300' |
| 30-025-39076                              | Angell #2                  | Oil           | 10/14/2008   | Twtn 17S, Rge 36E, Sec 11 | 6500  | 11/1/2008            | n/a       | 3012' |
| Does not penetrate the injection interval |                            |               |              |                           |       |                      |           |       |

# WBD - Lovington Paddock Unit #74 for Angell #3 Permit

LEASE & WELL NO. Lovington Paddock Unit #74  
FIELD NAME Lovington Paddock  
LOCATION 660' FSL & 330 FEL Sec 2, T-17S, R-36E

FORMER NAME \_\_\_\_\_  
COUNTY & STATE Lea County, New Mexico  
API NO. 30-025-03862

K.B. ELEV. \_\_\_\_\_  
D.F. ELEV. 3838'  
GROUND LEVEL \_\_\_\_\_

## SURFACE CASING

SIZE 10-3/4" WEIGHT 32.75# DEPTH 476'  
GRADE \_\_\_\_\_ SX. CMT. 400 sx TOC @ \_\_\_\_\_

## INTERMEDIATE CASING

SIZE 7-5/8" WEIGHT 24.0# DEPTH 476'  
GRADE \_\_\_\_\_ SX. CMT. 1740 sx TOC @ \_\_\_\_\_

## WELL HISTORY

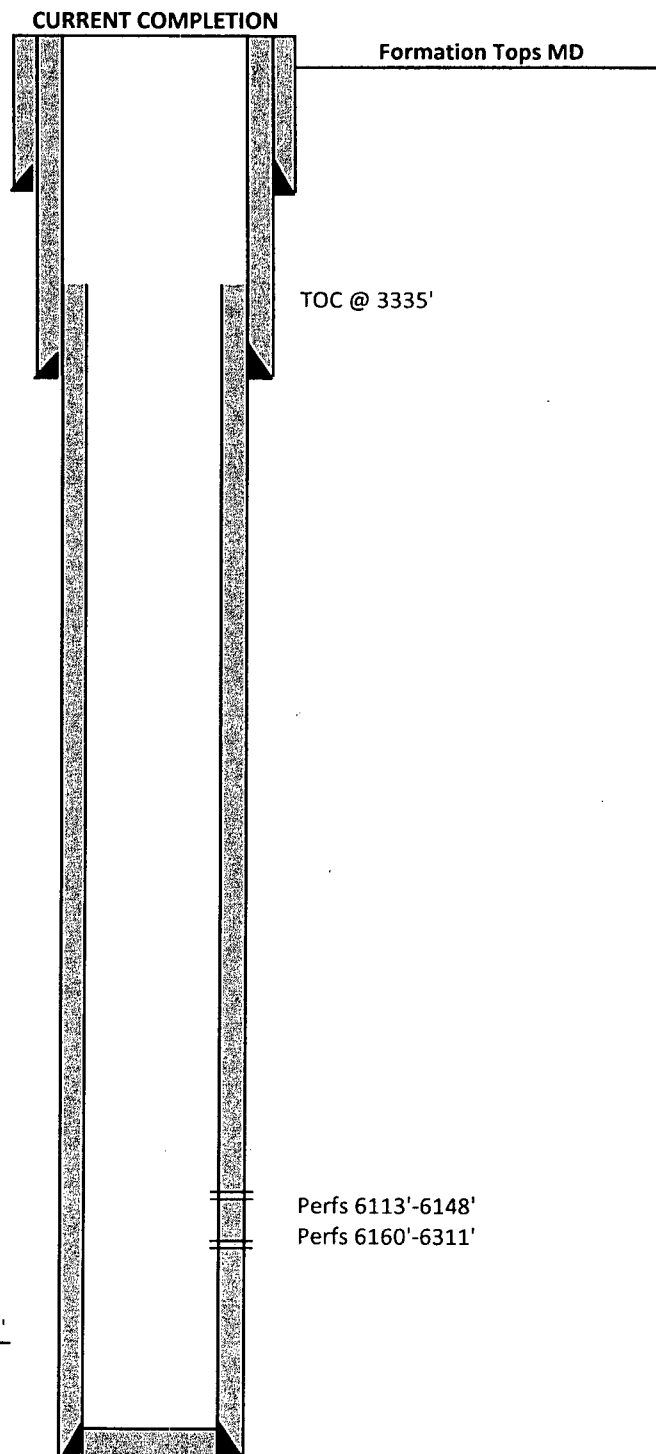
COMPLETION DATE: 3/13/1954

03/54 Perf 6160' - 6174', 6243' - 6246', 6283' - 6311'  
11/91 Perf 6113' - 6148'

## PRODUCTION LINER

SIZE 5-1/2" WEIGHT 15.5# DEPTH 6617'-3335'  
GRADE \_\_\_\_\_ SX. CMT. 800 sx TOC @ 3335'

PBTD@ 6400'  
TD@ 8801'





## Mobil 2 State 1 for Angell #3 Permit

LEASE & WELL NO. Mobil "2" State #1  
FIELD NAME Lovington Drinkard  
LOCATION 990' FSL & 330 FEL Sec 2, T-17S, R-36E

FORMER NAME \_\_\_\_\_  
COUNTY & STATE Lea County, New Mexico  
API NO. 30-025-34708

K.B. ELEV. \_\_\_\_\_  
D.F. ELEV. \_\_\_\_\_  
GROUND LEVEL 3828'

### PROPOSED COMPLETION

Formation Tops MD

SURFACE CASING  
SIZE 9-5/8" WEIGHT 36.0# DEPTH 1900'  
GRADE \_\_\_\_\_ SX. CMT. 835 sx TOC @ Surf.

### WELL HISTORY

COMPLETION DATE: 12/10/1999

12/99 Perf 8040-8060', 3 spf, 60 holes,

TOC @ 3500'

TUBING DETAIL  
2-7/8" set at 7998'

PRODUCTION CASING  
SIZE 5-1/2" WEIGHT 17.0# DEPTH 8227'  
GRADE \_\_\_\_\_ SX. CMT. 1450 sx TOC @ 3500'  
PBTD@ 8175'  
TD@ 8227'

Perfs 8040'-8060'

# Angell #1 WBD

LEASE & WELL NO. Angell #1  
FIELD NAME Lovintgton (Paddock/San Andres)  
LOCATION 660' FNL & 660 FEL Sec 11, T-17S, R-36E

FORMER NAME \_\_\_\_\_  
COUNTY & STATE Lea County, New Mexico  
API NO. 30-025-37902

K.B. ELEV. \_\_\_\_\_  
D.F. ELEV. \_\_\_\_\_  
GROUND LEVEL 3846'

SURFACE CASING  
SIZE 8-5/8" WEIGHT 24.0# DEPTH 1996'  
GRADE \_\_\_\_\_ SX. CMT. 1040 sx TOC @ Surf.

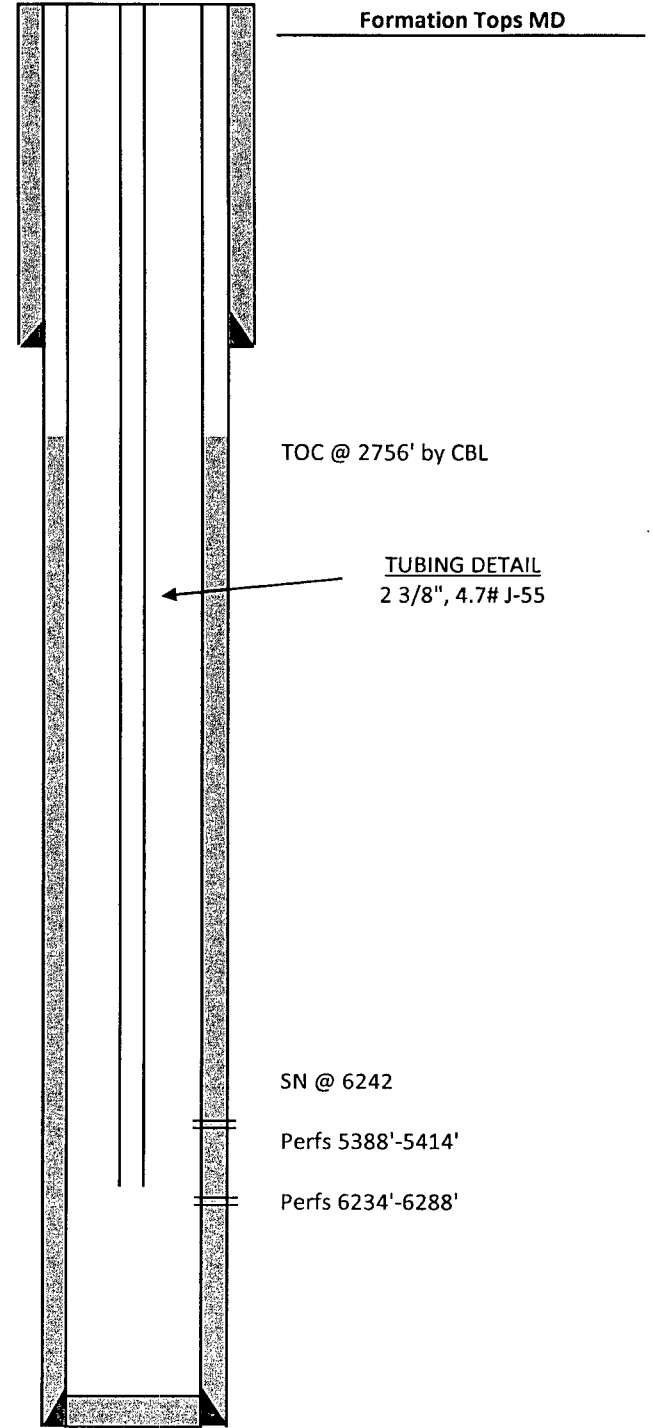
## WELL HISTORY

COMPLETION DATE: 4/5/2007

Perf 5388-5414', 2 spf, 20 holes  
Perf 6234-6288' 2 spf, 44 holes  
188 jts 2 3/8" , SN @ 6242'

PRODUCTION CASING  
SIZE 5-1/2" WEIGHT 17.0# DEPTH 6404'  
GRADE \_\_\_\_\_ SX. CMT. 725 sx TOC @ 1100'  
PBTD@ 6342'  
TD@ 6404'

## CURRENT COMPLETION



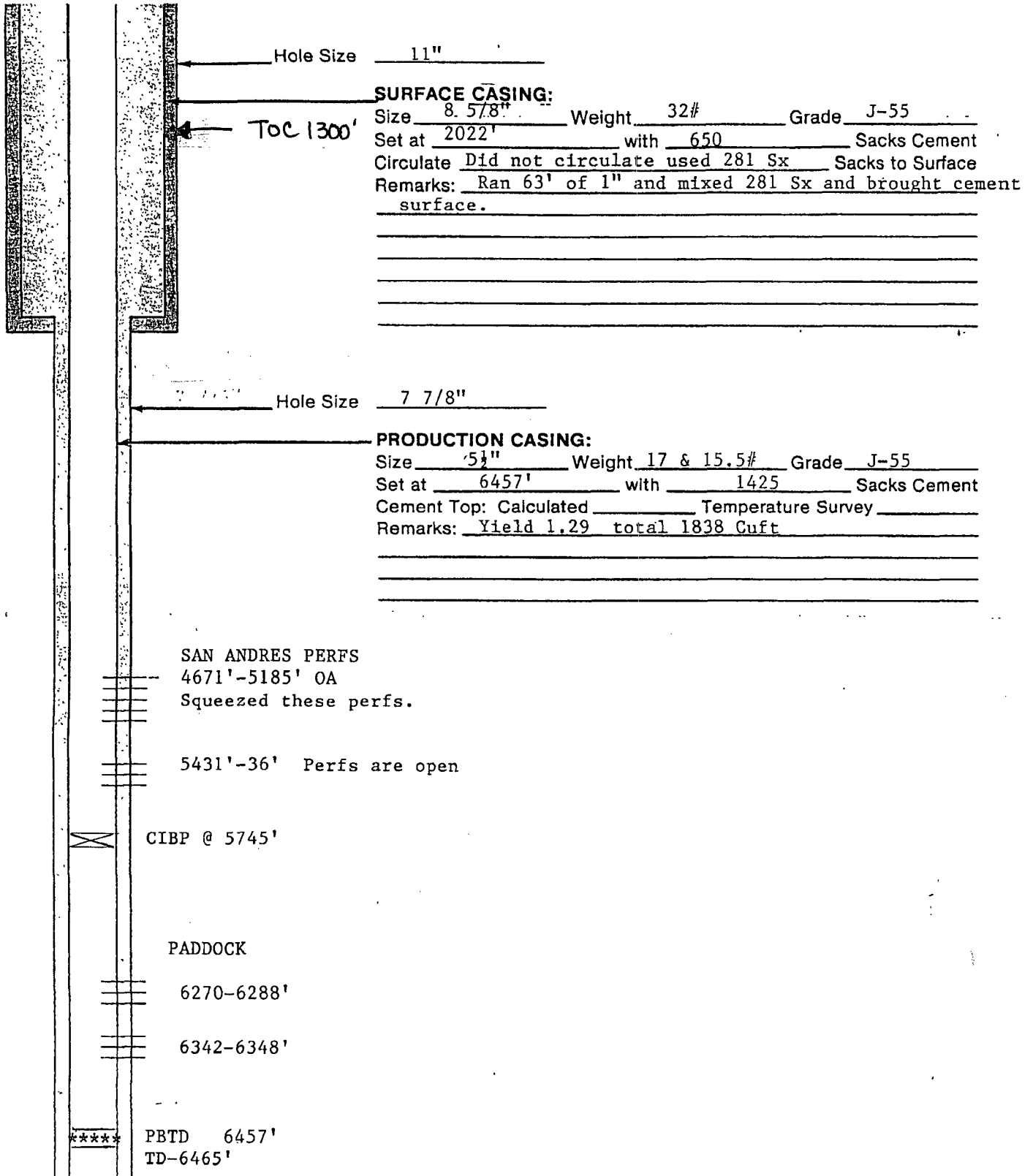
# WELL BORE SKETCH

OPERATOR/LEASE/WELL VANGUARD PERMIAN, LLC. STATE SECTION "12" # 1

NRE JOB NUMBER \_\_\_\_\_ DATE \_\_\_\_\_

FIELD/POOL LOVINGTON-PADDOCK / \_\_\_\_\_

PLUG BACK DEPTH 5745' KB GL.-3825' ELEVATION \_\_\_\_\_



## Angell #2 WBD

LEASE & WELL NO. Angell #2  
FIELD NAME Lovintgton (Paddock/San Andres)  
LOCATION 330' FNL & 1650 FEL Sec 11, T-17S, R-36E

FORMER NAME \_\_\_\_\_  
COUNTY & STATE Lea County, New Mexico  
API NO. 30-025-39076

K.B. ELEV. \_\_\_\_\_  
D.F. ELEV. \_\_\_\_\_  
GROUND LEVEL 3833'

SIZE 8-5/8" WEIGHT 24.0# DEPTH 1916'  
GRADE \_\_\_\_\_ SX. CMT. 940 sx TOC @ Surf.

### SURFACE CASING

### WELL HISTORY

COMPLETION DATE: 11/21/2008

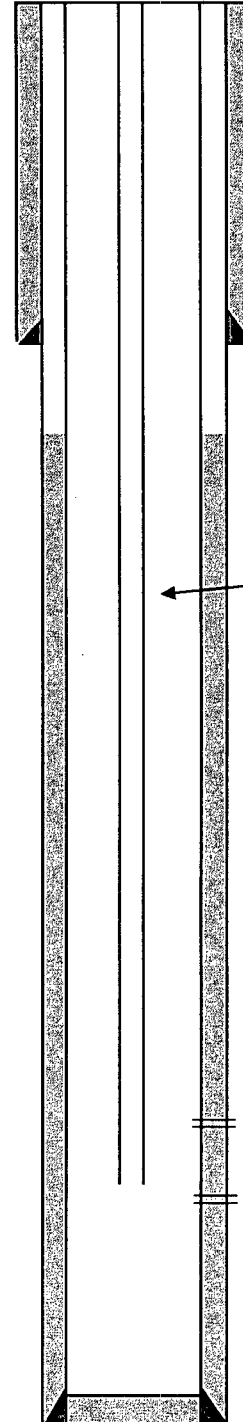
Perf 6238-6318', 2 spf, 84 holes  
Perf 5384-5430', 2 spf, 92 holes  
196 jts 2 7/8" 6.5#, SN set @ 6356',

SIZE 5-1/2" WEIGHT 17.0# DEPTH 6497'  
GRADE \_\_\_\_\_ SX. CMT. 900 sx TOC @ 3012'

### PRODUCTION CASING

PBTD@ 6431'  
TD@ 6500'

### CURRENT COMPLETION



Formation Tops MD

TOC @ 3012' by CBL

TUBING DETAIL  
2 7/8", 6.5# IPC

SN @ 6356'

Perfs 5384'-5430'

Perfs 6238'-6318'

# Angell #3 WBD

LEASE & WELL NO. Angell #3  
FIELD NAME San Andres (Guadalupean, Permian Age)  
LOCATION 1650' FNL & 660 FEL Sec 11, T-17S, R-36E

FORMER NAME \_\_\_\_\_  
COUNTY & STATE Lea County, New Mexico  
API NO. 30-025-39690

K.B. ELEV. \_\_\_\_\_  
D.F. ELEV. \_\_\_\_\_  
GROUND LEVEL 3827'

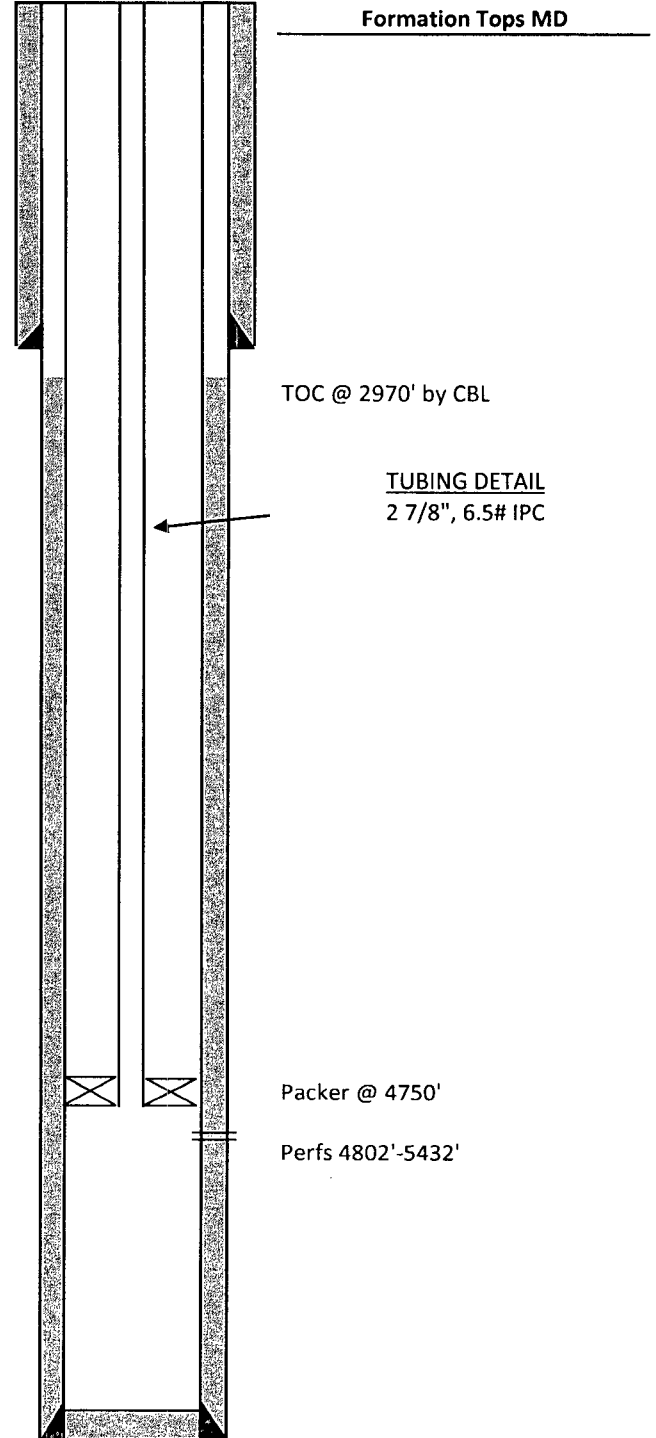
SURFACE CASING  
SIZE 8-5/8" WEIGHT 32# DEPTH 1974'  
GRADE \_\_\_\_\_ SX. CMT. 700 sx TOC @ Surf.

## WELL HISTORY

COMPLETION DATE: 5/22/2010

05/10 Perf 5418-5432' spf, 28 holes, 60 degree phasing  
168 jts 2 7/8" 6.5# SN set @ 5479',

## PROPOSED COMPLETION



PRODUCTION CASING  
SIZE 5-1/2" WEIGHT 15.5# DEPTH 5640'  
GRADE \_\_\_\_\_ SX. CMT. 350 sx TOC @ 2970'  
PBTD@ 5560'  
TD@ 5650'