

JUN 06 2008

# PLUGGED WELLBORE SKETCH

ConocoPhillips Company - Lower 48 - Mid-Continent BU / Permian Operations

Date: May 24, 2008

RKB @ 3945'  
DF @ 3944'  
GL @ 3935'

Subarea Buckeye  
Lease & Well No East Vacuum GB/SA Unit, Tract 2720, Well No 002W  
Legal Description 1980' FNL & 660' FEL, Sec 27, T-17-S, R-35-E, Unit letter H,  
County Lea State New Mexico  
Field Vacuum (Grayburg-San Andres)  
Date Spudded 3/28/39 Rig Released 5/3/39  
API Number 30-025-02890  
Status PLUGGED 05/13/08  
Drilled as Cities Service State K No. 2 State Lease No. B-1482

## Stimulation History:

Interval	Date	Type	Gals	Lbs. Sand	Max Press	Max ISIP	Max Rate	Max Down
	3/28/39	Drill with rotary tools to 4625'						
		8-5/8" Csg set at 1650' and cmt'd with a multiple stage job, 150 sax on btm and 200 sax thru the cementer tool.						
OH 4200-4626	9/2/72	Gelled 9 8# Brine V 15,000 22,000 3800 1800 28 1						
		15% NE 500						
		Gelled 9 8# Brine V 20,000 30,000 4200 2000 25.9						
OH 4200-4626	10/18/90	15% HCl NEFE LS 15,000 4800# RS 2400 2000 3 5						
	10/23/90	Isolate casing leak from 1832' - 1752'						
	10/29/90	Squeeze casing leak 1752'-1832' w/1800 sx Class C Neat						
	11/13/90	Found leak in csg collars under head						
	10/30/92	Deepen 15' to 4640'						
OH 4200-4626	11/3/92	15% NEFE HCl 3,000 3500# RS 2300 1872 4 0						
	11/6/92	Isolate casing leak from 1758' to 1820'						
	11/9/92	Squeeze casing leak 1758-1820' w/ 300 sx						
OH 4200-4626	7/4/94	15% HCl 4,500 4300# RS 2500 1762 4 3						
	8/20/96	Isolate casing leak from 1918' to 1700'						
	8/21/96	Squeeze casing leak 1700'-1918' w/ 700 sx						
	8/24/96	15% NEFE HCl 3,000 2500# RS 1828 4 7						
	9/17/96	Convert to water injection						
	2/15/08	Set 5-1/2" RBP @ 4150' with 10' sand on top						
	2/15/08	Isolate casing leak from 1742' - 1774'						

12-1/4" Hole

DV Tool @ 270', cmt'd w/200 sx

Perf/sqz'd 90 sx C cmt 320' to surface

TOC 8-5/8" Csg @ 1221' (Calc.)

8-5/8" 27# casing @ 1650'

Cmt'd w/150 sx around shoe

TOC @ 1221' (Calc )

Perf/sqz'd 50 sx C cmt 1,750 - 1,530' TAG'D

Top of Salt @ +/- 1,750'

Sqz csg lk @ 1700'-1918' w/ 700 sx

Sqz csg lk @ 1758-1820' w/ 300 sx

Sqz csg lk @ 1752'-1820' w/1800 sx

CASING LEAK F/ 1742'-1774'

Base Salt @ +/- 2,880'

25 sx C cmt 3,025 - 2,780' TAGGED

perf'd @ 2,980', unable to sqz @ 1,800 psi

TOC 5-1/2" Csg @ 3171' (Calc.)

25 sx C cmt 4,129 - 3,882'

tagged PBTD @ 4,129', circulated mud

5-1/2" RBP @ 4150' w/10' sand on top

7-7/8" Hole

5-1/2" 17# SS Csg @ 4200'

Cemented w/ 150 sx cmt, TOC @ 3,171' (Calc )

4-3/4" Hole

OPENHOLE 4200' - 4640'



## PLUGS SET 05/09 - 05/13/08

- 1) tagged PBTD @ 4,129', circulated plugging mud
- 2) 25 sx C cmt 4,129 - 3,882'
- 3) 25 sx C cmt 3,025 - 2,780' TAGGED
- 4) Perf/sqz'd 50 sx C cmt 1,750 - 1,530' TAGGED
- 5) Perf/sqz'd 90 sx C cmt 320' to surface

## Capacities

5-1/2" 17# csg	7 661 ft/ft3	0 1305 ft3/ft
	43 01 ft/bbl	0 0232 bbl/ft
8-5/8" 28# csg	2 853 ft/ft3	0 3505 ft3/ft
	16 02 ft/bbl	0 0624 bbl/ft
7-7/8" openhole	2 957 ft/ft3	0 3382 ft3/ft
	16 60 ft/bbl	0 0602 bbl/ft

## Formation Tops:

Rustler  
Yates  
7 Rivers  
Glorieta  
San Andres

PBTD 4150'  
OTD 4625'  
NTD@ 4640'