

ConocoPhillips

END OF WELL SCHEMATICWell Name: **San Juan 32-8 # 257A**API #: **30-045-32370**Location: **1840' FSL & 660' FEL**

Sect 19 - T32N - R8W

San Juan County, NM

Elevation: **6808' GL (above MSL)**Drl Rig RKB: **13' above Ground Level**Datum: **Drl Rig RKB = 13' above GL****Surface Casing**Date set: **2-Jul-04**Size **9 5/8** inSet at **230** ft# Jnts: **5**Wt. **32.3** ppfGrade **H-40**Hole Size **13 1/2** inConn **STC**Excess Cmt **125** %T.O.C. **SURFACE**Csg Shoe **230** ftTD of 12-1/4" hole **240** ftNotified BLM @ **18:40** hrs on **30-Jun-04**Notified NMOCD @ **18:43** hrs on **30-Jun-04****Intermediate Casing**Date set: **7-Jul-04**Size **7** in

80 jts

Set at **3428** ft

0 pups

Wt. **20** ppfGrade **J-55**Hole Size **8 3/4** inConn **STC**Excess Cmt **160** %Top of Float Collar **3388** ftT.O.C. **SURFACE**Bottom of Casing Shoe **3428** ftPup @ **ft**TD of 8-3/4" Hole **3435** ftPup @ **ft**Notified BLM @ **06:05** hrs on **05-Jul-04**Notified NMOCD @ **06:10** hrs on **05-Jul-04****Production Liner**Date set: **16-Aug-04**Size **5 1/2** inNominal Wt. **15.5** ppfGrade **J-55**Connections: **LTC**# Jnts: **9**Hole Size **6.25 / 9.5** inches

Underreamed 6-1/4" hole to 9.5" from 3438' to 3794'

Top of Liner **3380** ftPBSD **3784** ftBottom of Liner **3786** ft (Liner got stuck 9 ft off bottom)

This well was cavitated.

Note - this well is equipped with rods & pump

7-1/16" 3M x 2-3/8" EUE 8rd Bonnet

11" 3M x 7-1/16" 3M Tubing Head

9-5/8" 8 RD x 11" 3M Casing Head

☒ New
☐ Used☒ New
☐ Used☒ New
☐ UsedTD **3,795** ftSpud: **2-Jul-04**Release Drl Rig: **7-Jul-04**Move In Cav Rig: **27-Jul-04**Release Cav Rig: **18-Aug-04****Surface Cement**Date cmt'd: **2-Jul-04**Lead: **250** sx Class G Cement

+ 2% BWOC S001 CaCh2 + 1lb/bbl D974

+ 0.25 lb/sx D029 Cellophane Flakes

1.16 cuft/sx, 290.0 cuft slurry at 15.8 ppg

Displacement: **15.3** bbls fresh wtrBumped Plug at: **21:50** hrs w/ **275** psiFinal Circ Press: **60** psi @ **0.5** bpmReturns during job: **YES**CMT Returns to surface: **20** bblsFloats Held: **No** floats usedW.O.C. for **6.00** hrs (plug bump to start NU BOP)W.O.C. for **14.50** hrs (plug bump to test csg)**Intermediate Cement**Date cmt'd: **7-Jul-04**Lead: **455** sx Class G Cement

+ 3% D079 Extender

+ 0.25 lb/sx D029 Cellophane Flakes

+ 0.2% D046 Antifoam

+ 0.05 gal/sx D047 Antifoam

2.61cuft/sx, 1187.55 cuft slurry at 11.7 ppg

Tail: **100** sx 50/50 POZ: Class G cement

+ 2% D020 Bentonite

+ 2% S001 Calcium Chloride

+ 5 lb/sx D024 Gilsonite

+ 0.25 lb/sx D029 Cellophane Flakes

+ 0.1% D046 Antifoam

1.27 cuft/sx, 127 cuft slurry at 13.5 ppg

Displacement: **137** bblsBumped Plug at: **08:39** hrs w/ **1300** psiFinal Circ Press: **850** psi @ **2** bpmReturns during job: **YES**CMT Returns to surface: **40** bblsFloats Held: ☒ Yes ☐ No**UNCEMENTED LINER**Schematic prepared by:
Steven O. Moore, Drilling Engineer
27-Aug-2004**COMMENTS:**

9-5/8" Surf:	No float equipment was run. Ran a guide shoe and an aluminum baffle plate 1 jt above the guide shoe @ 190'. Displaced top wiper plug with water. Shut in casing head and WOC before backing out landing jt. CENTRALIZERS @ 220', 146', 103' & 59'. Total: 4
7" Intermediate	DISPLACED W/20 BBLs. FRESH WATER & 117.2 BBLs. 9.0 PPG DRILLING MUD. CENTRALIZERS @ 3418', 3350', 3263', 3180', 3093', 3007', 211', 82' & 38'. TURBOLIZERS @ 2449', 2406', & 2363'. Total: 9 Total: 3
5.5" Liner	Ran 6-1/4" bit & 3-1/2" OD float sub with float valve on btm of liner. Ran liner w/ TIW H-Latch Drop Off Tool (no liner hanger).
Perforations	Perforated 5-1/2" liner with guns on E-line at 4 spf, 0.75" diameter, 120 degree phased holes Perf. Intervals: 3464'-3468', 3504'-3514', 3580'-3588', 3590'-3594', 3630'-3643', 3647'-3652', 3661'-3669', 3705'-3712', 3714'-3719'. TOTAL SHOTS 256.
Tubing	2-7/8" Orange Peeled Mud Anchor with eight each 0.25" x 8" slots just below the upset, 2-7/8" x 2-3/8" EUE 8rd crossover collar, 2-3/8" OD (1.78" ID) F-Nipple 120 jts 2-3/8" 4.7# J-55 EUE 8rd tubing Bottom of Mud Anchor at 3780'. F-Nipple at 3748' MD RKB.
Pump & Rods	12" long strainer attached below 1-1/2" RWAC-Z insert pump, 1 ea 2' x 3/4" OD rod sub above pump 149 ea 25' x 3/4" OD rods, space out with 1 ea 4' and 1 ea 8' rod subs & 1 ea 1-1/4" OD x 22' polished rod Set pump in F-Nipple at 3748' MD RKB