

END OF WELL SCHEMATIC

Well Name: San Juan 32-7 #222A
 API #: 30-045-32818
 Location: 1143' FSL & 1145' FEL
Sec. 20 - T32N - R7W
San Juan County, NM
 Elevation: 6260' GL (above MSL)
 Drl Rig RKB: 13' above Ground Level
 Datum: Drl Rig RKB = 13' above GL

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

Patterson Rig: #749
 Spud: 10-May-05
 Spud Time: 2:00
 Release Drl Rig: 13-May-05
 Time Release Rig: 16:30
 Move In Cav Rig: 18-May-05
 Release Cav Rig: 17-Jun-05

Surface Casing Date set: 10-May-05
 Size 9 5/8 in
 Set at 233 ft # Jnts: 5
 Wt. 32.3 ppf Grade H-40
 Hole Size 12 1/4 in Conn STC
 Excess Cmt 125 %
 T.O.C. SURFACE

Csg Shoe 233 ft
 TD of 12-1/4" hole 240 ft

Notified BLM @ NA hrs on NA
 Notified NMOCD @ 15:30 hrs on 08-May-05

Intermediate Casing Date set: 13-May-05
 Size 7 in # Jnts: 65
 Set at 2790 ft # pups 0
 Wt. 20 ppf Grade J-55
 Hole Size 8 3/4 in Conn STC
 Excess Cmt 160 % Top of Float Collar 2745 ft
 T.O.C. SURFACE Bottom of Casing Shoe 2790 ft
 Pup @ 0 ft TD of 8-3/4" Hole 2799 ft
 Pup @ 0 ft

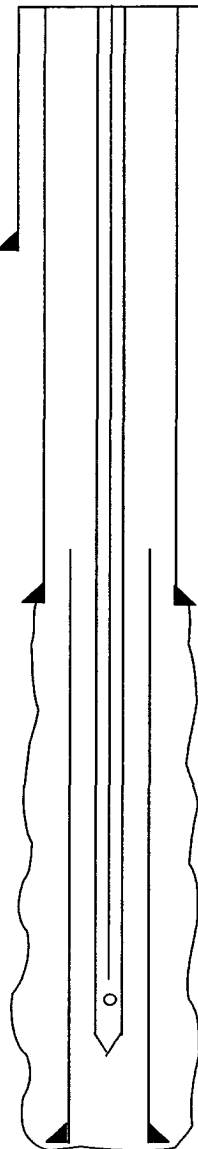
Notified BLM @ NA hrs on NA
 Notified NMOCD @ 0:00 hrs on 12-May-05

Production Liner Date set: 15-Jun-05
 Size 5 1/2 in
 Nominal Wt. 15.5 ppf
 Grade J-55 Connections: _____
 # Jnts: 6
 Hole Size 6.25 / 9.5 inches
 Underreamed 6-1/4" hole to 9.5" from 2799' to 3040'
 Top of Liner 2777 ft
 PBTD 3038 ft
 Bottom of Liner 3040 ft set in 4 ft of fill on bottom

☒ New
☐ Used

☒ New
☐ Used

☒ New
☐ Used



TD 3,040 ft

Surface Cement

Date cmt'd: 10-May-05
 Lead : 150 sx Class G Cement
 + 3% BWOC Calcium Chloride
 + 0.25 lb/sx Flocele
1.18 cuft/sx, 177.0 cuft slurry at 15.6 ppg
 Displacement: 14.6 bbls fresh wtr
 Bumped Plug at: 17:00 hrs w/ 342 psi
 Final Circ Press: 95 psi @ 2 bpm
 Returns during job: YES
 CMT Returns to surface: 5
 Floats Held: No floats used
 W.O.C. for 6.00 hrs (plug bump to start NU BOP)
 W.O.C. for 10.00 hrs (plug bump to test csg)

Intermediate Cement

Date cmt'd: 13-May-05
 Lead : 320 sx Standard Cement
 + 3% Econolite
 + 0.25 lb/sx Flocele
 + 10 lb/sk Gilsolite
0
2.91 cuft/sx, 931.2 cuft slurry at 11.5 ppg
 Tail : 100 sx 50/50 POZ : Standard cement
 + 2% Bentonite
 + 2% Calcium Chloride
 + 5 lb/sx Gilsolite
 + 0.25 lb/sx Flocele
0
1.33 cuft/sx, 133 cuft slurry at 13.5 ppg
 Displacement: 110.8
 Bumped Plug at: 08:45 hrs w/ 1230 psi
 Final Circ Press: 0
 Returns during job: YES
 CMT Returns to surface: 25
 Floats Held: X Yes ___ No

UNCEMENTED LINER

Schematic prepared by:
 Michael P. Neuschafer, Drilling Engineer
 29-June-2005

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 @ 186'. Displaced top wiper plug with water. Shut in casing head and WOC before backing out landing jt. CENTRALIZERS @ 221', 186', 143', 100 & 56'. Total: 5
7" Intermediate	DISPLACED W/ 110.8 BBLs. 8.4 PPG SLIGHTLY POLYMERIZED DRILL WATER CENTRALIZERS @ 2780', 2702', 2615', 2559', 2443', 2357', 211', 85' & 45'. TURBOLIZERS @ 2055', 2013', 1969' & 1926'. Total: 9
5.5" Liner	Ran 6 1/4" bit and bit sub on bottom of liner. Ran and set the liner w/ TIW H-Latch Drop Off Tool (no liner hanger). Total: 4
Perforations	Perforated 5-1/2" liner with guns on E-line at 4 spf, 0.75" diameter, 120 degree phased holes
	Perf. Intervals: 2863'-2880', 2938'-2954'. Total 140 holes
Tubing	2-3/8" Mud Anchor 33.7' long with eight each 0.25" x 8" slots just below the upset, 2-1/16" x 2-3/8" EUE 8rd XO collar, 2-3/8" OD (1.78" ID) F-Nipple, 1 ea 8' & 10' pup jt, and 93 jts 2-3/8" 4.7# J-55 EUE 8rd tubing. Bottom of Mud Anchor at 2997'. Top of F-Nipple at 2960' MD RKB.
Pump & Rods	12" long strainer attached below 2" x 1-1/4" x 12' RWAC-Z insert pump 114 each 3/4" rods, spaced out with 1 ea 8', 6', & 2 ea 4' x 3/4" OD pony rods & 1 ea 1-1/4" OD x 22' polished rod Set pump in F-Nipple at 2960' MD RKB