

END OF WELL SCHEMATIC

Well Name: San Juan 29-6 #54B
API #: 30-039-29735
Location: 365' FSL & 2590' FWL
Sec. 4 - T29N - R6W
Rio Arriba County, NM
Elevation: 6476' GL (above MSL)
Drl Rig RKB: 13' above Ground Level
Datum: Drl Rig RKB = 13' above GL

11" 3M x 7 1/16" 5M Tubing Head
11" 3M x 11" 3M Casing Spool
9-5/8" 8 RD x 11" 3M Casing Head

Patterson Rig:	#749
Spud:	26-Mar-06
Spud Time:	21:00
Date TD Reached:	31-Mar-06
Release Dri Rig:	1-Apr-06
Release Time:	0:00

<u>Surface Casing</u>		Date set: <u>27-Mar-06</u>	
Size	<u>9 5/8</u>	in	
Set at	<u>230</u>	ft	# Jnts: <u>5</u>
Wt.	<u>32.3</u>	ppf	Grade <u>H-40</u>
Hole Size	<u>12 1/4</u>	in	Conn <u>STC</u>
Excess Cmt	<u>125</u>	%	
T.O.C.	<u>SURFACE</u>		
		Csg Shoe	<u>230</u> ft
		TD of 12-1/4" hole	<u>240</u> ft

X	New
	Used

Notified BLM @ _____ hrs on _____
 Notified NMOCD @ _____ hrs on _____
 30 min Casing Test at 1000 psi on 27-Mar-06

<u>Intermediate Casing</u>		Date set: <u>29-Mar-06</u>	
Size	<u>7</u> in	<u>85</u> jts	
Set at	<u>3690</u> ft	<u>0</u> pups	
Wt.	<u>20</u> ppf	Grade <u>J-55</u>	
Hole Size	<u>8 3/4</u> in	Conn <u>STC</u>	
Excess Cmt	<u>150</u> %	Top of Float Collar <u>3643</u> ft	
T.O.C.	<u>SURFACE</u>	Bottom of Casing Shoe <u>3690</u> ft	
Pup @	<u> </u> ft	TD of 8-3/4" Hole <u>3705</u> ft	
Pup @	<u> </u> ft		

X	New
	Used

Notified BLM @	08:00	hrs	on	28-Mar-06
Notified NMOCD @	08:00	hrs	on	28-Mar-06
30 min Casing Test at	1800	psi	on	30-Mar-06

Production Casing:		Date set:	31-Mar-06
Size	4 1/2 in	140	its
Set at	5906 ft	1	pups
Wt.	10.5 ppf	Grade	J-55
Hole Size	6 1/4 in	Conn	STC
Excess Cmt	50 %	Top of Float Collar	5904 ft
T.O.C. (est)	3490	Bottom of Casing Shoe	5906 ft
Marker Jt @	ft	TD of 8-3/4" Hole	5910 ft
Marker Jt @	5300 ft		
Marker Jt @	ft		
Marker Jt @	ft		

X	New
	Used

Notified BLM @ 06:00 hrs on 30-Mar-06
Notified NMOCD @ 06:00 hrs on 30-Mar-06

Top of Float Collar	<u>5904</u>	ft
Bottom of Casing Shoe	5906	ft

TD of 6-1/4" Hole: 5910 ft

SurfaceCement

Date cmt'd: 27-Mar-06

Lead : 150 sx Class G Cement

+ 3% S001 Calcium Chloride

+ 0.25 lb/sx D130 Polyester Flakes

1.16 cuft/sx, 174.0 cuft slurry at 15.8 ppg

Displacement: 15.0 bbls fresh wtr

Bumped Plug at: 05:30 hrs

Final Circ Press:

Returns during job: YES

CMT Returns to surface: 5 bbls

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': 29-Mar-06

Lead : 410 sx Class G Cement

+ 3% D079 Extender

+ 0.20% D046 Antifoam

+ 1 lb/bbl CemNet

2.61 cuft/sx, 1070.1 cuft slurry at 11.7 ppg

Tail : 210 sx 50/50 POZ : Class G Cement

+ 2% D020 Bentonite

+ 5.0 lb/sx D024 Gilsontite Extender

+ 2% S001 Calcium Chloride

+ 0.10% D046 Antifoam

+ 1 lb/bbl CemNet

1.28 cuft/sx, 268.8 cuft slurry at 13.5 ppg

Displacement: 148 bbls

Bumped Plug at: 16:00 hrs w/ 1500 psi

Final Circ Press:

Returns during job: YES

CMT Returns to surface: 30 bbls

Flots Held: X Yes No

W.O.C. for NA hrs (plug bump to start NU BOP)

W.O.C. for 9.00 hrs (plug bump to test csq)

Production Cement

Date cm'd'd: 31-Mar-06

Cement : 260 sx 50/50 POZ : Class G Cement

+ 0.25 lb/sx D029 Cellophane Flakes

+ 3% D020 Bentonite

+ 1.00 lb/sx D024 Gilsonite Extender

+ 0.25% D167 Fluid Loss

+ 0.15% D065 Dispersant

+ 0.10% D030 Retarder

+ 0.10% D046 Antifoam

+ 3.5 lb/sx Phenoseal

1.45 cuft/sx, 377.0 cuft slurry at 13.0 ppg

Displacement: 94 bbls

Bumped Plug: 15:00 hrs w/ 1400 psi

Final Circ Press:

Returns during job: None Planned

CMT Returns to surface: None Planned

Floats Held: X Yes No

Schematic prepared by:
Michael P. Neuschafer, Drilling Engineer
5-April-2006

COMMENTS:

9-5/8" Surf: No float equipment was run. Ran a guide shoe.
Displaced top wiper plug with water. Shut in casing head and WOC before backing out landing jt.
CENTRALIZERS

Total: 4

7" Intermediate DISPLACED W/ 148 BBLs. FRESH WATER.
CENTRALIZERS @ 3680', 3600', 3516', 3429', 3342', 3257', 230', 99', 55'.
TURBOLIZERS @ 2605', 2563', 2519', 2476', 2433', 2390'.

Total: 9

Total: 6

4-1/2" Prod.

None.