

District SOUTH	Field Name MV/DK COM	County RIO ARRIBA	State/Province NEW MEXICO	API / UWI 3003930983	
Original Spud Date 1/15/2013	Surface Legal Location 029-026N-006W-F	East/West Distance (ft) 1,740.00	East/West Reference FWL	North/South Distance (ft) 1,790.00	North/South Reference FNL

Well Config: VERTICAL - Original Hole, 4/1/2013 12:08:14 PM

ftKB (MD)	ftKB (TVD)	Schematic - Actual	Frm Final
0			
15			
16			
17			
18			
26			
68			
100			
198	198		
199	199		
229	229		
230	230		
235	235		
2,334	2,334		
2,456	2,456		
2,723	2,723		
2,967	2,966		
3,037	3,037		
3,230	3,230		
3,350	3,350		
3,352	3,352		
3,360	3,359		
3,595	3,595		
3,812	3,811		
4,586	4,585		
4,605	4,604		
4,675	4,674		
4,676	4,675		
4,719	4,718		
4,720	4,719		
4,741	4,740		
5,000	4,999		
5,010	5,009		
5,200	5,199		
5,212	5,211		
5,564	5,563		
5,625	5,624		
6,270	6,269		
6,628	6,627		
6,630	6,629		
7,055	7,054		
7,065	7,064		
7,125	7,124		
7,187	7,186		
7,243	7,242		
7,286	7,285		
7,328	7,327		
7,335	7,334		
7,340	7,339		
7,359	7,358		
7,361	7,360		
7,364	7,363		
7,387	7,386		
7,429	7,428		
7,430	7,429		
7,431	7,430		
7,433	7,432		
7,436	7,435		
7,455	7,454		
7,565	7,564		
7,574	7,573		
7,574	7,573		
7,594	7,593		
7,596	7,595		
7,607	7,606		

Surface; 9 5/8, 9,001; 15, -215.3

Intermediate1, 7, 6.366, 15, 4,705.0

PERF - POINT LOOKOUT, 5,212-5,564,
3/26/2013

PERF - DAKOTA, 7,335-7,340, 3/22/2013

PERF - DAKOTA, 7,455; 3/22/2013

Production1, 4 1/2, 4,000; 15, 7,580.7

RCVD APR 2 '13

OIL CONS. DIV.

DIST. 3

OJO ALAMO, 2,334

KIRTLAND, 2,456

FRUITLAND, 2,723

PICTURED CLIFFS, 2,967

LEWIS, 3,037

HUERFANITO BENTONITE,
3,352

CHACRA, 3,812

MASSIVE CLIFF HOUSE, 4,586

MENEFEE, 4,605

POINT LOOKOUT, 5,200

MANCOS, 5,625

UPPER GALLUP, 6,270

GREENHORN, 7,125

GRANEROS, 7,187

TWO WELLS, 7,243

PAGUATE, 7,286

UPPER CUBERO, 7,328

LOWER CUBERO, 7,359

OAK CANYON, 7,387

ENCINAL, 7,433

INTEROFFICE MEMO

TO: Records & Regulatory

DATE: 2/19/2013

FROM: Eddie Pippin

LOCATION: Farmington, N.M.

Final Geologic Summary

Well Name & No.: Vaughn #32N API: 3003930983

Location: NW Section 29 Twp. 26N Rge. 6W

County & State: Rio Arriba, NM

Elevation: GL 6764 KB 6779

Tops From: X Wireline Log X Mudlog X Correlation

Ojo Alamo	<u>2334</u>	Chacra	<u>3812</u>	Greenhorn	<u>7125</u>
Kirtland	<u>2456</u>	Upper Cliff House	<u>xxx</u>	Graneros	<u>7187</u>
Fruitland	<u>2723</u>	Massive Cliff House	<u>4586</u>	Dakota (Two Wells)	<u>7243</u>
Pictured Cliffs	<u>2967</u>	Menefee	<u>4605</u>	Paguate	<u>7286</u>
Lewis	<u>3037</u>	Point Lookout	<u>5200</u>	Cubero	<u>7328</u>
Huerfano Bentonite	<u>3352</u>	Mancos	<u>5625</u>	Lower Cubero	<u>7359</u>
		Upper Gallup	<u>6270</u>	Oak Canyon	<u>7387</u>
				Encinal	<u>7433</u>
				Burro Canyon	<u> </u>
				Morrison	<u> </u>
				PBTD	<u> </u>
				LTD	<u> </u>

Electric Logs Run: GR/CCL/CBL

Well Cored? X No Yes

Well DST'd? X No Yes

Geologist: Eddie Pippin