

District NORTH	Field Name MV/DK COM	County SAN JUAN	State/Province NEW MEXICO	API / UWI 3004535111
Original Spud Date 11/12/2012	Surface Legal Location 005-029N-010W-K	East/West Distance (ft) 1,765.00	East/West Reference FWL	North/South Distance (ft) 1,280.00
				North/South Reference FSL

Well Config: DEVIATED - Original Hole, 1/23/2013 9:47:52 AM

ftKB (MD)	ftKB (TVD)	Schematic - Actual	Frm Final
15			
16			
18			
18			
199			
200			RCVD JAN 24 '13
230			OIL CONS. DIV.
231			DIST. 3
235			
840	839	Surface, 9 5/8, 9.001, 15, 216.0	OJO ALAMO, 840
1,000	997		KIRTLAND, 1,000
1,660	1,624		
1,814	1,766		FRUITLAND, 1,814
2,256	2,171		PICTURED CLIFFS, 2,256
2,445	2,343		LEWIS, 2,445
3,127	2,974		
3,136	2,983		
3,314	3,151		CHACRA, 3,314
3,910	3,727		
3,912	3,729		
3,930	3,747		
3,931	3,748	SQUEEZE PERFS, 3,930-3,931, 1/3/2013	
4,002	3,818		MASSIVE CLIFF HOUSE, 4,002
4,040	3,856		MENELEE, 4,040
4,090	3,906		
4,092	3,908		
4,199	4,015		
4,200	4,016		
4,210	4,026		
4,211	4,027	SQUEEZE PERFS, 4,210-4,211, 1/4/2013	
4,240	4,057		
4,241	4,058	Intermediate 1, 7, 6.366; 15, 4,226.5	
4,245	4,061		
4,246	4,062	SQUEEZE PERFS, 4,245-4,246, 1/2/2013	
4,250	4,066		
4,314			
4,582		PERF - MENELEE, 4,314-4,582, 1/16/2013	
4,609			
4,611			
4,657			POINT LOOKOUT, 4,657
4,658		PERF - POINT LOOKOUT / MENELEE	
4,946		LOWER, 4,658-4,946, 1/16/2013	
5,058			MANCOS, 5,058
5,852			UPPER GALLUP, 5,852
6,469			
6,471			
6,578			
6,588			
6,610			GREENHORN, 6,610
6,669			GRANEROS, 6,669
6,734			TWO WELLS, 6,734
6,736			
6,793		PERF - DAKOTA, 6,736-6,854, 1/14/2013	PAGUATE, 6,793
6,854			
6,862			CUBERO, 6,862
6,898			ENCINAL, 6,898
6,924			
6,927			
6,927			
6,948			
6,948		Production 1, 4 1/2, 4.000, 15, 6,933.0	
6,960			

INTEROFFICE MEMO

TO: Records & Regulatory

DATE: 12/13/2012

FROM: Sharon LeBeau

LOCATION: Farmington, N.M.

Final Geologic Summary

Well Name & No.: Grenier B 3N API: 3004535111

Location: SW Section 5 Twp. 29N Rge. 10W

County & State: _____

Elevation: GL: 5789' KB: 5804'

Tops From: X Wireline Log X Mudlog _____ Correlation

Ojo Alamo	<u>840'</u>	Chacra	<u>3314'</u>	Greenhorn	<u>6610'</u>
Kirtland	<u>1000'</u>	Upper Cliff House	<u>3919'</u>	Graneros	<u>6669'</u>
Fruitland	<u>1814'</u>	Massive Cliff House	<u>4002'</u>	Dakota (Two Wells)	<u>6734'</u>
Pictured Cliffs	<u>2256'</u>	Menefee	<u>4040'</u>	Paguate	<u>6793'</u>
Lewis	<u>2445'</u>	Point Lookout	<u>4657'</u>	Cubero	<u>6862'</u>
Huerfano Bentonite	<u>not present</u>	Mancos	<u>5058'</u>	Cubero	<u>6862'</u>
		Upper Gallup	<u>5852'</u>	Oak Canyon	<u>n/a</u>
				Encinal	<u>6898'</u>
				Burro Canyon	<u>nde</u>
				Morrison	_____
				DTD	<u>6960'</u>
				LTD	<u>6924'</u>

Electric Logs Run: Cement Bond Log w/ Gamma Ray, VDL and Collars

Well Cored? X No _____ Yes

Well DST'd? X No _____ Yes

Geologist: Sharon LeBeau