

District SOUTH	Field Name MNCS/DK COM	County RIO ARRIBA	State/Province NEW MEXICO	API / UWI 3003931029	
Original Spud Date 5/18/2012	Surface Legal Location 021-026N-007W-C	East/West Distance (ft) 1,780.00	East/West Reference FWL	North/South Distance (ft) 1,020.00	North/South Reference FNL

Well-Config. DEVIATED - Original Hole, 7/23/2012 10:14:03 AM

ftKB (MD)

Schematic - Actual

15	2-1; Casing Joints, 7, 6, 366, 15
16	3-1; Casing Joints CUT OFF JOINT, 4 1/2, 4,000, 15
17	2-2; Casing Hanger, 7, 6, 366, 15, 1.0
18	2-3; Casing Pup Joint, 7, 6, 366, 16, 1.4
288	1-1; Casing Hanger, 9 5/8, 9,001, 15, 3.1
289	1-2; Casing Joints, 9 5/8, 9,001, 18, 269.6
319	1-3; Float Collar, 9 5/8, 9,001, 288, 1.5
320	1-4; Casing Joints, 9 5/8, 9,001, 289, 29.9
325	1-5; Sawtooth Collar, 9 5/8, 9,001, 319, 0.9
778	3-2; Casing Joints, 4 1/2, 4,000, 15, 762.8
2,306	
2,540	
2,898	
3,177	
3,279	
3,581	3-3; Casing Joints, 4 1/2, 4,000, 778, 2,803.1
3,591	3-4; Marker Joint, 4 1/2, 4,000, 3,581, 10.0
3,600	
3,810	
4,061	
4,819	
4,855	
4,991	2-4; Casing Joints, 7, 6, 366, 17, 4,973.3
4,991	2-5; Float Collar, 7, 6, 366, 4,991, 0.7
5,031	2-6; Casing Joints, 7, 6, 366, 4,991, 39.2
5,031	2-7; Float Shoe, 7, 6, 366, 5,030, 0.8
5,050	
5,446	
5,887	
6,350	
6,352	
6,556	
6,600	PERF - MANCOS UPPER, 6,600-6,708, 7/3/2012
6,708	
6,760	
6,762	
6,814	PERF - MANCOS LOWER, 6,814-6,956, 7/2/2012
6,956	
7,150	
7,152	
7,311	3-5; Casing Joints, 4 1/2, 4,000, 3,591, 3,719.9
7,326	3-6; Marker Joint, 4 1/2, 4,000, 7,311, 14.8
7,435	
7,499	
7,552	
7,554	
7,607	
7,642	PERF - DAKOTA, 7,554-7,730, 6/30/2012
7,679	
7,730	
7,741	
7,768	
7,787	
7,791	3-7; Casing Joints, 4 1/2, 4,000, 7,326, 464.8
7,791	3-8; Float Collar, 4 1/2, 4,000, 7,791, 0.7
7,811	3-9; Casing Joints, 4 1/2, 4,000, 7,791, 20.1
7,812	3-10; Float Shoe, 4 1/2, 4,000, 7,811, 0.6
7,822	

RCUD JUL 24 '12
OIL CONS. DIV.
DIST. 3

INTEROFFICE MEMO

TO: Records & Regulatory
FROM: Sharon Nez

DATE: 6/19/2012
LOCATION: Farmington, N M.

Final Geologic Summary

Well Name & No.: Sooner 1E API: 3003931029

Location: NW Section 21 Twp. 26N Rge 07W

County & State: Rio Arriba, New Mexico

Elevation: GL. 6988' KB: 7003'

Tops From: X Wireline Log X Mudlog Correlation

Ojo Alamo	<u>2306'</u>	Chacra	<u>4061'</u>	Greenhorn	<u>7435'</u>
Kirtland	<u>2540'</u>	Upper Cliff House	<u>n/a</u>	Graneros	<u>7499'</u>
Fruitland	<u>2898'</u>	Massive Cliff House	<u>4819'</u>	Dakota (Two Wells)	<u>7552'</u>
Pictured Cliffs	<u>3177'</u>	Menefee	<u>4855'</u>	Paguate	<u>7607'</u>
Lewis	<u>3279'</u>	Point Lookout	<u>5446'</u>	Upper Cubero	<u>7642'</u>
Huerfano Bentonite	<u>3600'</u>	Mancos	<u>5887'</u>	Lower Cubero	<u>7679'</u>
		Upper Gallup	<u>6556'</u>	Oak Canyon	<u>n/a</u>
				Encinal	<u>7741'</u>
				Burro Canyon	<u>7768'</u>
				Morrison	<u>nde</u>
				PBTD	<u>7790'</u>
				LTD	<u>7790'</u>

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

Well Cored? X No Yes

Well DST'd? X No Yes

Geologist. Sharon Nez