

OPERATIONS PLAN

Well Name: San Juan 30-6 Unit #15B
Location: 1080' FSL, 1770' FWL, Section 29, T-30-N, R-7-W
Rio Arriba County, New Mexico
Latitude 36° 46.8, Longitude 107° 35.8
Formation: Blanco Mesa Verde
Elevation: 6278' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	2090'	
Ojo Alamo	2090'	2280'	aquifer
Kirtland	2280'	2690'	
Fruitland	2690'	3135'	gas
Pictured Cliffs	3135'	3240'	gas
Lewis	3240'	3850'	gas
Intermediate TD	3490'		
Huerfano Bentonite	3850'	4180'	gas
Chacra	4180'	4980'	gas
Massive Cliff House	4980'	5030'	gas
Menefee	5030'	5345'	gas
Point Lookout	5345'		gas
Total Depth	5745'		

Logging Program:

Mud Logs/Coring/DST -
Mud logs - none
Coring - none
DST - none
Open hole - none
Cased hole - Gamma Ray, Cement bond - surface to TD

Mud Program:

<u>Interval- MD</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 200'	Spud	8.4-9.0	40-50	no control
200- 3490'	LSND	8.4-9.0	30-60	no control
3490- 5745'	Air/Mist/N2*	n/a	n/a	n/a

Pit levels will be visually monitored to detect gain or loss of fluid control.

*Nitrogen might be used in conjunction with or instead of air to prevent a down hole fire.

Casing Program (as listed, the equivalent, or better):

<u>Hole Size</u>	<u>Measured Depth</u>	<u>Csg Size</u>	<u>Weight</u>	<u>Grade</u>
12 1/4"	0' - 200'	9 5/8"	32.3#	H-40
8 3/4"	0' - 3490'	7"	20.0#	J-55
6 1/4"	3390' - 5745'	4 1/2"	10.5#	J-55

Tubing Program: 0' - 5745' 2 3/8" 4.7# J-55

BOP Specifications, Wellhead and Tests:

Surface to Intermediate TD -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1). After nipple-up prior to drilling out surface casing, rams and casing will be tested to 600 psi for 30 minutes.

Intermediate TD to Total Depth -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1). After nipple-up prior to drilling out intermediate casing, rams and casing will be tested to 1500 psi for 30 minutes.