Form 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.

NM-03605

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	or representations as to any matter within its jurisdiction.	*See Instruction on Reverse Side			

R&G DRILLING CO. MARRON #39 1805 FSL & 1590 FWL SECTION 23, T27N,R8W SAN JUAN COUNTY, NEW MEXICO

PLUGGING PROCEDURE

FORMATION TOPS:

Ojo Alamo 1350 ft Kirtland 1425 ft Fruitland 1805 ft Pictured Cliffs 2100 ft

CURRENT STATUS:

CASING:

SURFACE - 8 5/8" 24#/ft @ 171 ft, circulated to surface LONGSTRING - 5 1/2" 14#/ft @ 2226 ft, cemented with 200 sx of Class B, 236 ft3 - TOC @ 1300 ft

TUBING:

PRODUCTION - 1" @ 2150 ft

PERFORATIONS:

Pictured Cliffs 2105 - 2160

- Move in and rig up service unit.
- Nipple down wellhead and nipple up BOP. Trip 1" tubing out of hole, laying down.
- 3. Pick up 2 3/8" tubing workstring. Trip in hole with cement retainer on tubing. Set retainer at 2050 ft. Pump cement plug #1, 20 sx (24 ft3) of Class B cement into perforations from 2105 to 2160 ft. Pull tubing out of retainer.
- 4. Pressure test casing to 1000 psi. Spot 4.8 barrels of 8.5 #/gal, 40 viscosity mud from 1855 to 2050 ft.
- 5. Move tubing to 1855 ft. Spot cement plug #2, 15 sx (18 ft3) of Class B cement from 1755 to 1855 ft.
- 6. Move tubing to 1755 ft. Spot 6.8 barrels of 8.5 #/gal, 40 viscosity mud from 1475 to 1755 ft.
- 7. Move tubing to 1475 ft. Spot cement plug #3, 30 sx (35 ft3) of Class B cement from 1300 to 1475 ft.
- 8. Move tubing to 1300 ft. Fill casing to surface with 31.7 barrels of 8.5 #/gal, 40 viscosity mud. Trip tubing out of hole.

- 9. Rig up wireline. Perforate 2 squeeze holes at 221 ft. Pump cement plug #4, 45 sx (53 ft3) of Class B cement from 121 to 171 ft, inside and outside of casing.
- 10. Nipple down BOP and wellhead. Cut off all casing 3 ft below ground level. Install dry hole marker in 10 sx (12 ft3) surface plug.
- 11. Rig down and release service unit. Remove all surface equipment from location.
- 12. Rehabilitate well pad and pit area as per surface management agency requirements.

PLUG SUMMARY:

U	DOLLILLICI .				
	Plug #1:	(Pictured Cliffs)	2050 - 2160	20 sx	24 ft3
		(Fruitland)	1755 - 1855	15 sx	18 ft3
	_	(Ojo Alamo)	1300 - 1475	30 sx	35 ft3
		(Surface csg shoe)	121 - 221	45 sx	53 ft3
		(Surface)		10 sx_	<u>12 ft3</u>
		•	TOTAL	120 sx	142 ft3