(July 1992)

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UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED Budget Bureau No. 1004-0136 Expires: February 28, 1995

Approximately 17.7 miles northeast of Navajo Dam Post Office straight line) Rio Arriba 15. Distance from Proposed Location to Nearest Property or Lease Line, Ft 1395' 2560.0 acres 17. No. of Acres Assigned to This Well 2560.0 acres 320 acres, E/2 18. Distance from Proposed Location to Nearest Well Drilling, Completed, or Applied for, on this Lease, FT 1200' 21. Elevations (Show whether DF, BPT, GR, etc) This action is to teach the footblied and	6600 Explatory Area			
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Williams Production Company Address and Telephone No P.O. Box 3102, MS 37-2, Tulsa, OK. 74101 Location of Well (Footages) At Surface 1395' FSL 2245' FEL, NWSE proposed prod. zone 14. Distance in Miles and Directions from Nearest Town or Post Office Approximately 17.7 miles northeast of Navajo Dam Sportice straight line) 15. Distance from Proposed (Also to nearest drig. unit line, if any) Location to Nearest Property or Lease Line, Ft 1395' 2560.0 acres 19. Proposed Depth 17.No. of Acres Assigned to This Well 20. County or Parish Rio Arriba 17.No. of Acres Assigned to This Well 20. County or Parish Rio Arriba 17.No. of Acres Assigned to This Well 20. County or Parish Rio Arriba 18. Distance from Proposed Location to Nearest Well Drilling, Completed, or Applied for, on this Lease, FT 1200' 21. Elevations (Show whether De Det, GR, etc) This action of Research and Telephone No. 22. Approximate Date Work will Start	6600 Explatory Area			
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SIZE OF HOLE SIZE & GRADE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF 12-1/4" 9-5/8" 36# K-55 500' 255 sx-352 cu ft'				
8-3/4" 7" 20# K55 3645' 405 sx-845 cu ft 180sx-251 cu ft 7	Type III			
6-1/4 4-1/2 10.5# K55 3545'-6100' 80sx-116 cu ft 19	80sx-116 cu ft 190sx-277 cu ft Class H + 50/50 poz+4%gel			

HOGE THE TOPOSAL to deep COPIES: BLM+4, WELL FILE+1
Date December 5, 2000 give present productive zone and proposed new productive zone.

Steve Nelson Title Agent (This space for Federal or State office use) of section with the TITLE Team Lead, Petroloum Management FEB 15 2001 APPROVED BY:_ __DATE

γ.

District I PO Box 1980, Hobbs, NM 88241~1980

State of New Mexico Energy, Minerals & Natural Resources Department Form C-10 Revised February 21, 199 Instructions on bac

District II PO Drawer DD, Artesia, NM 88211-0719 Submit to Appropriate District Offic OIL CONSERVATION DIVISION

State Lease - 4 Copie Fee Lease - 3 Copie

District III 1000 Rio Brazos Rd., Aztec, NM 87410

PO Box 2088 Santa Fe, NM 87504-2088

District IV PO Box 2088, Santa Fe, NM 87504-2088

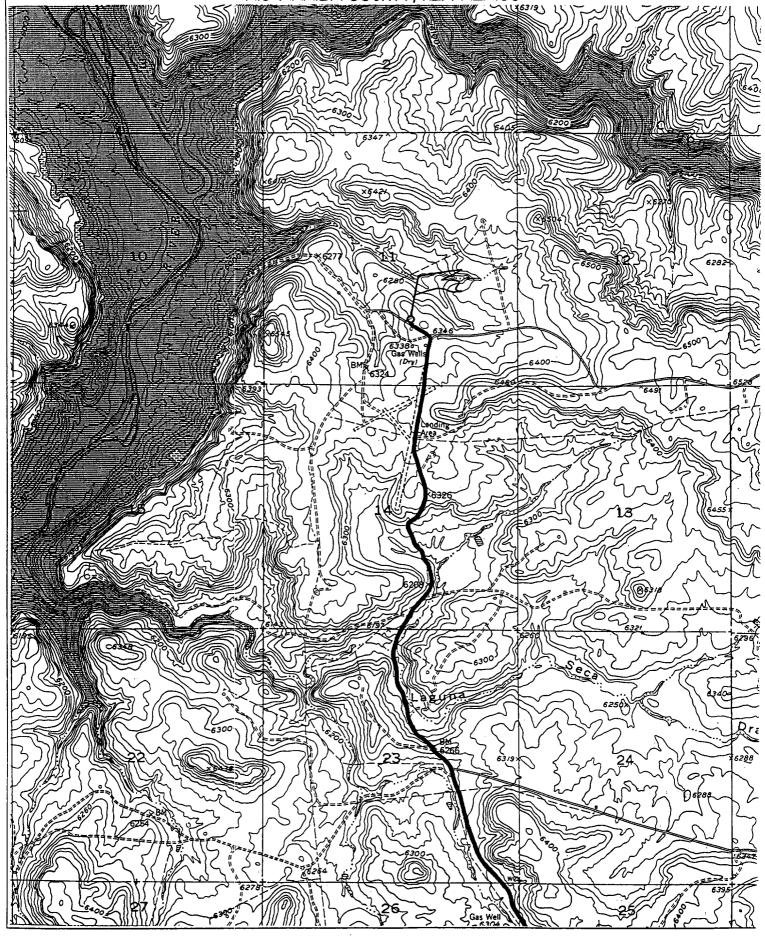
289 958 11 PM 3: 3 AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number				*Pool Code			¹Poo1 Name					
30039-26600				72319			Blanco Mesaverde					
*Property	³Property Name								Well Number			
17033 'OGRID No.		ROSA UNIT								36B		
		*Operator Name WILLIAMS PRODUCTION CO						*Elevation				
120782						<u>:</u>				l t	5348	
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WILLIAMS PRODUCTION COMPANY ROSA UNIT #36B

1395' FSL & 2245' FEL, SECTION II, T3IN, R6W, N.M.P.M.
RIO ARRIBA COUNTY, NEW MEXICO



B. FLOAT EQUIPMENT:

- 1. <u>SURFACE CASING:</u> 9-5/8" notched regular pattern guide shoe. Run (1) standard centralizer on each of the bottom (3) joints of Surface Casing.
- 2. <u>INTERMEDIATE CASING:</u> 7" cement nose guide shoe with a self-fill insert float. Place float collar one joint above the shoe. Install one Turbulent centralizer on each of the bottom (3) joints and one standard centralizer every (4) joints to the surface casing. Total centralizers = (26) regular and (3) turbulent.
- 3. <u>PRODUCTION CASING:</u> 4-1/2" whirler type cement nose guide shoe with a latch collar on top of 20" bottom joint. Place marker joint above 5630'. Place one positive standoff turbolizer every other joint. Total turbolizers is 34.

C. <u>CEMENTING:</u>

- 1. <u>SURFACE:</u> Slurry: <u>255sx</u> (352 cu.ft.) of "Type III" + 2% CaCl₂ + ½ # of cello-flake/sk (Yield = 1.39 cu.ft./sk, Weight = 14.5 #/gal.). The 125% excess should circulate cement to the surface. WOC 12 hours. Test csg to 1500psi.
- 2. INTERMEDIATE: Lead: 405sx (845 ft³) of "Type III" 65/35 poz + 8% gel + 1% CaCl₂ + ½ # cello-flake/sk (Yield = 2.09 ft³./sk, Weight = 12.1 #/gal.). Tail: 180sx (251 ft³) of class "Type III" + 1% CaCl₂ + ½ # cello-flake/sk. (Yield = 1.39 ft³/sk, Weight = 14.5#/gal.). The 100% excess in lead and tail should circulate cement to the surface. Total volume = 1096 ft³. WOC 12 hours. Run a temperature survey after 8 hours if cement is not circulated to the surface. Test csg. to 1500psi.
- 3. PRODUCTION LINER: Lead: 80sx (116 ft³) of Class-H + 50/50 poz + 4% gel + 0.4% FL-52. (Yield = 1.45 cu.ft./sk, Weight = 13.2 #/gal.). Tail: 190sx (277 ft³) of Class-H + 50/50 poz + 4% gel + 0.4% FL-5 + $\frac{1}{4}$ # celloflake/sk and 4% Phenoseal (Yield = 1.45 ft³/sk, Weight = 13.2 #/gal.). Displace cement at a minimum of 8 BPM. The 50% excess in lead and tail should cover liner top. Total volume 393 ft³. WOC 12 hours.

IV COMPLETION

A. CBL

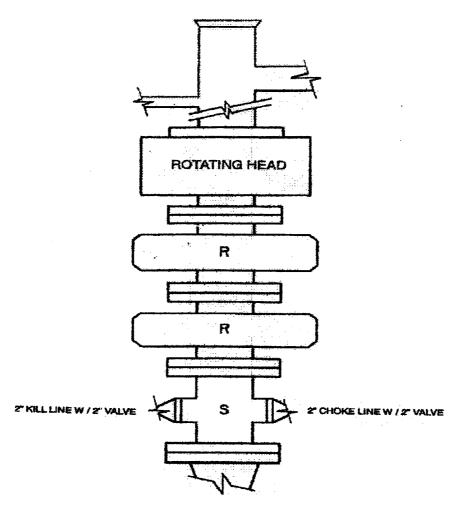
1. Run Cement Bond Log across all intervals to be perforated and find Top of Cement behind all casing strings.

B. PRESSURE TEST

1. Pressure test 7" & 4-1/2" casing to 3300# for 15 minutes.

C. STIMULATION

- 1. Stimulate with approximately 80,000# of 20/40 sand in slick water.
- 2. Isolate Point Lookout with a CIBP.
- 3. Perforate the Menefee/Cliff House as determined from the open hole logs.
- 4. Stimulate with approximately 80,000# of 20/40 sand in slick water.



2M - BOP ARRANGEMENT

2M SYSTEM:

- Annular preventer or double ram or two rams with one being blind and one being a pipe ram
- Kill line (2 inch minimum)
- 1 kill line valve (2 inch minimum)
- 1 choke line valve
- 2 chokes (refer to diagram)
- Upper kelly cock valve with handle available
- Safety valve and subs to fit all drill strings in use
- Pressure gauge on choke manifold
- 2 inch minimum choke line
- Fill-up line above uppermost preventer

Anticipated reservoir pressure is expected to be less than 1300 psi on all encountered zones.

All ram type preventers and related equipment will be hydraulically tested at nipple-up and after any use under pressure to 1500 psi. The pipe and blind rams will be activated and checked for operational readiness each trip. All checks of the BOP stack and equipment will be noted on the daily drilling report. The BOP equipment will include a kelly cock with handle, floor safety valve with changeovers for each tool joint in the string and choke manifold all rated to 2000 psi