

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT--" for such proposals

## SUBMIT IN TRIPLICATE

1. Type of Well Oil <input type="checkbox"/> Gas <input type="checkbox"/> <input checked="" type="checkbox"/> Well <input type="checkbox"/> Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. <b>SF-078874</b>
2. Name of Operator <b>Merrion Oil &amp; Gas Corporation</b>	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. <b>610 Reilly Avenue, Farmington, NM 87401-2634 (505) 327-9801</b>	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>1650' fsl &amp; 1600' fwl (ne sw) K Section 3, T24N, R6W</b>	8. Well Name and No. <b>Canyon Largo NP #185</b>
	9. API Well No. <b>30-039-20521</b>
	10. Field and Pool, or Exploratory Area <b>Devils Fork Gallup/Bas Dak.</b>
	11. County or Parish, State <b>Rio Arriba County, New Mexico</b>

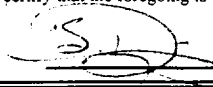
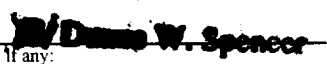
12. CHECK APPROPRIATE BOX (s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other _____	<input type="checkbox"/> Dispose Water
		(Note: Report results of multiple completion on Completion or Recompletion Report and Log form.)

13. Describe Proposed or completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Merrion Oil &amp; Gas proposes to plug and abandon the subject well according to the attached procedure.

RECEIVED  
MAR 20 1998  
OIL CON. DIV.  
DIST. 3

RECEIVED  
BLM  
98 MAR 10 AM 10:42  
OTO FARMINGTON, NM

14. I hereby certify that the foregoing is true and correct			
Signed 	Connie S. Dinning	Title Contract Engineer	Date 3/9/98
(This space for Federal or State office use)			
Approved By 	Dan W. Spencer	Title Team leader	Date MAR 16 1998
Conditions of approval, if any:			

## PLUG & ABANDONMENT PROCEDURE

3-4-98

**Canyon Largo Unit NP #185**  
Devils Fork Gallup/Basin Dakota  
1650' FSL & 1600' FWL / SW, Section 3, T-24-N, R-6-W  
Rio Arriba Co., New Mexico

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

1. Install and test location rig anchors. Prepare blow pit. Comply with all NMOCD, BLM, and Merriam safety regulations.
2. MOL and RU daylight pulling unit. NU relief line. Blow down well and kill with water as necessary. ND wellhead and NU BOP. Test BOP.
3. TOH and tally 2-3/8" tubing; 6661'. Note there may be swab tools in tubing, be careful and rabbit all tubing TIH. Visually inspect the tubing and if necessary LD and PU workstring.
4. **Plug #1 (Dakota perforations, 6646' - 6334')**: TIH with tubing to 6646', or as deep as possible. Mix 47 sxs Class B cement and spot a plug to fill the Dakota perforations and cover top. TOH with tubing to 5000' and WOC. TIH and tag cement. TOH to 5647'.
5. **Plug #2 (Gallup perforations & top, 5647' - 5336')**: Pump 30 bbls water and attempt to circulate well. Mix 47 sxs Class B cement and spot a balanced plug to fill Gallup perforation and cover top. TOH to 4000' and WOC. TIH and tag cement. Load casing and pressure test casing to 500#. If casing does not test, spot or tag subsequent plugs as appropriate. TUH.
6. **Plug #3 (Mesaverde top, 3664' - 3564')**: Mix 12 sxs Class B cement and spot a balanced plug inside casing to cover Mesaverde top. TOH to 2128'.
7. **Plug #4 (Pictured Cliffs and Fruitland tops, 2220' - 1915')**: Mix 27 sxs Class B cement and spot a balanced plug inside casing to cover Pictured Cliffs and Fruitland tops. TOH.
8. **Plug #5 (Kirtland and Ojo Alamo tops, 1730' - 1535')**: Perforate 3 squeeze holes at 1730'. Establish rate into squeeze holes if casing tested. PU 4-1/2" cement retainer and TIH; set at 1680'. Establish rate into squeeze holes. Mix 120 sxs Class B cement, squeeze 101 sxs outside casing and spot 19 sxs inside to cover Ojo Alamo top. TOH and LD tubing.
9. **Plug #6 (9-5/8" Casing shoe at 202')**: Perforate 2 squeeze holes at 252'. Establish circulation out bradenhead valve. Mix and pump approximately 104 sxs Class B cement down 4-1/2" casing, circulate good cement out bradenhead valve. Shut in well and WOC.
10. ND BOP and cut off casing below surface. Install P&A marker with cement to comply with regulations. RD, Move off location, cut off anchors and restore location.

# Canyon Largo Unit NP #185

Current

Devils Fork Gallup/Basin Dakota

SW Section 3, T-24-N, R-6-W, Rio Arriba County, NM

Today's Date: 3/4/98

Spud: 7/14/72

Completed: Dk - 9/7/72

Re-completed: GI - 9/7/75

Elev: 6410' GI

Logs: FDC-GR; IEL, T.S., CBL

12-1/4" Hole

Ojo Alamo @ 1585'

Kirtland @ 1680'

Fruitland @ 1965'

Pictured Cliffs @ 2170'

Mesaverde @ 3614'

8-3/4" Hole to 4955'

7-7/8" Hole to 6710'

Gallup @ 5386'

Dakota @ 6486'

9-5/8" 32.3# HS Csg set @ 202'  
283 cf cement (Circulated to Surface)

## WORKOVER HISTORY:

Aug '75: Pull tubing, set RBP at 6215'; CBL; sqz hole at 5642'; cmt w/100 sxs, T.S. 5400'; drill out, test; perf and frac Gallup zone; land tubing and rods.

Sep '75: Rod job.

Sep '77: Hot oil tbq; replace pump and 7 jts tbq.

Mar '79: Rod job; hot oil, change 42 rod boxes.

Apr '93: Swabbing well, stuck at 1250'; lost tools; while fishing, parted sandline, left 5 - 10' above tools; ran speer, recovered 5-6' sandline; POH without fish, went after fish and the swab tools fell free to 5870'.

Sep '94 Swab mud and water; initial FL 900'; recovered 35 bbls, final FL 2700'; probable casing leak.

TOC @ 1875' (TS)

DV Tool @ 2265'  
Cmt w/305 cf

TOC @ 3488' (Calc, 75%)

2-3/8" 4.7# EUE tubing @ 6661'

DV Tool @ 4560'  
Cmt w/439 cf

TOC @ 5253' (Calc 75%)

Gallup Perforations:  
5471' - 5597' (1975)

Perf @ 5642'; sqz 100 sxs (1975)

TOC @ 5670' (1975 CBL)

Lost sandline/swab tools in  
hole; fell to 5870' (1993)

Dakota Perforations:  
6384' - 6596'

4-1/2" 10.5# J-55 Casing set @ 6710'  
Cmt w/ 373 cf

PBTD 6697'

TD 6710'

# Canyon Largo Unit NP #185

Proposed P&A

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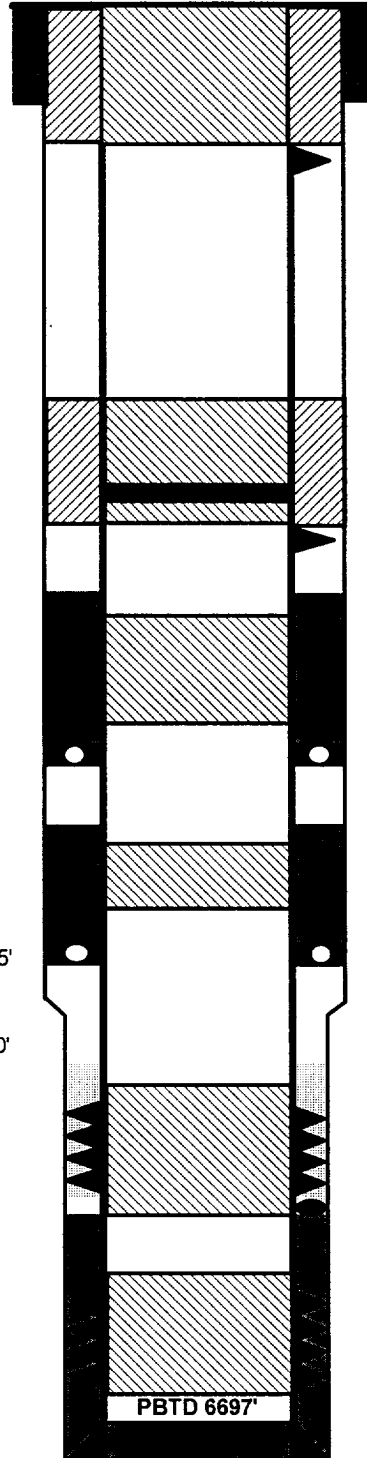
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8-3/4" Hole to 4955'

7-7/8" Hole to 6710'

Gallup @ 5386'

Dakota @ 6486'



TD 6710'