

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 Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> SWD	5. Lease Designation and Serial No. UUN-24964
2. Name of Operator Merrion Oil & Gas Corporation (14634)	6. If Indian, Allocated or Tribe Name
3. Address and Telephone No. 610 Reilly Avenue, Farmington, NM 87401-2634 (505) 327-9801	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1785' fml & 2175' fel (sw ne) G Section 10, T20N, R6W	8. Well Name and No. Pot Mesa No. 2
	9. API Well No. 30-031-20888
	10. Field and Pool, or Exploratory Area SWD; Mesaverde
	11. County or Parish, State McKinley County, New Mexico

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 & Gas proposes to plug and abandon the subject well according to the attached procedure. We are continuing study on the development of a productive Fruitland sand or coal in the area. If logs indicate that this formation will not produce hydrocarbons in paying quantities, we request that the Fruitland plug be deleted.

14. I hereby certify that the foregoing is true and correct

Signed Connie S. Dinning Title Engineer Date 9/19/00

(This space for Federal or State office use)

Approved By _____ Title _____ Date 10/5/00
Conditions of approval, if any:

PLUG & ABANDONMENT PROCEDURE

9/18/00

Pot Mesa #2

WC Mesaverde

1785' FNL and 2175' FEL, Section 10, T-20-N, R-6-W
McKinley 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 NMOC, BLM, and Merrion safety regulations. MOL and RU daylight pulling unit. NU relief line. Blow down well and kill with water as necessary.
2. Release packer (in tension), then TOH and tally 2-3/8" tubing (60 joints, total 1940'); visually inspect the tubing and LD packer. If necessary LD tubing and PU workstring. If unable to pull packer determine freepoint by stretch calculation and determine if the tubing is good.
3. **Plug #1 (Menefee top, Mesaverde interval and LaVentana top, 2133' – 1600')**: If able to pull packer then set a 5-1/2" CIBP or cement retainer at 1946'. TIH with open-ended tubing and tag. Load casing with water and circulate clean. Pressure test casing to 500#, if casing does not test then spot or tag subsequent plug as appropriate. Mix 45 sacks cement and spot a balanced plug above the CIBP to isolate the Mesaverde perforations and to cover LaVentana top. PUH to 810'.
4. **Plug #2 (Pictured Cliffs top, 810' – 710')**: Mix 17 sxs cement and spot a balanced plug inside the casing to cover Pictured Cliffs tops. PUH to 533'.
5. **Plug #3 (Fruitland top, 533' – 433')**: Mix 17 sxs cement and spot a balanced plug inside the casing to cover Fruitland tops. PUH to 358'.
6. **Plug #4 (Kirtland, Ojo Alamo and Surface casing shoe, 358' – Surface)**: Establish circulation out casing valve. Mix and pump approximately 40 sxs Class B cement from 358' to surface, circulate good cement out casing valve. TOH and LD tubing. Shut in well and WOC.
7. 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.

Pot Mesa #2

Current

WC Mesaverde

NE Section 10, T-20-N, R-6-W, McKinley County, NM

Today's Date: 9/18/00

Spud: 10/23/85

Completed: 12/9/85

Elevation: 6891' GI
6904' KB

Ojo Alamo @ 130'

Kirtland @ 308'

Fruitland @ 483'

Pictured Cliffs @ 760'

LaVentana @ 1650'

Mesaverde @ 1974'

Menefee @ 2145'

12-1/4" hole

7-7/8" hole



Circulated cement to surface

8-5/8" 23#, J-55 Casing set @ 96'
Cmt'd with 95 cf (Circulated to Surface)

Well History

Dec '85: Squeezed off Menefee perforations with 29 cf cement.

Mar '86: Disposal well: Tag cement at 2241'; perforate Mesaverde from 1996' to 2133'; CO to 2150'; set tension packer at 13,000#, load backside with packer fluid.

2-3/8" plastic lined tubing set at 1940'
(60 joints, SN at 1909')

Model "A" Tension Packer @ 1940'
set with 13,000#

Mesaverde Perforations:
1996' - 2133'

Menefee Perforations:
2242' - 3030'

5-1/2" 15.5# J-55 Casing set @ 3225'
Cmt with 675 cf (405 sxs)
Circulated 20 bbl cement to surface.

TD 3250'

Pot Mesa #2

Proposed P&A

WC Mesaverde

NE Section 10, T-20-N, R-6-W, McKinley County, NM

Today's Date: 9/18/00

Spud: 10/23/85

Completed: 12/9/85

Elevation: 6891' GI
6904' KB

12-1/4" hole

Circulated cement to surface

8-5/8" 23#, J-55 Casing set @ 96'
Cmt'd with 95 cf (Circulated to Surface)

Ojo Alamo @ 130'

Plug #4 358' - Surface
Cmt with 40 sxs Class B

Kirtland @ 308'

Plug #3 533' - 433'
Cmt with 17 sxs Class B

Fruitland @ 483'

Plug #2 810' - 710'
Cmt with 17 sxs Class B

Pictured Cliffs @ 760'

Plug #1 1946' - 1600'
Cmt with 45 sxs Class B

LaVentana @ 1650'

Set 5-1/2" Cmt Retainer @ 1946'

Mesaverde @ 1974'

Mesaverde Perforations:
1996' - 2133'

Menefee @ 2145'

PBTD 2150'

Menefee Perforations:
2242' - 3030'

7-7/8" hole

5-1/2" 15.5# J-55 Casing set @ 3225'
Cmt with 675 cf (405 sxs)
Circulated 20 bbl cement to surface.

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