

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.
SF078931

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation
CA 1408001-6749

8. Well Name and No.
Smith Com 1E

9. API Well No.
30-045-30388

10. Field and Pool, or Exploratory Area
Basin Dakota

11. County or Parish, State
Section 12, T29N, R13W
NMPM

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 ☒ Gas Well ☐ Other

2. Name of Operator

Merrion Oil & Gas Corporation

3. Address and Telephone No.

610 Reilly Ave Farmington NM 87401
ph: (505) 327-9801

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

720' fml & 585' fel (ne ne)

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other
☒ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well 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 proposes to modify the cementing program for this well as follows (per discussions with Mr. Jim Lovato):

- First Stage: cement with 260 sx Premium lite HS (35:65 Poz) w/ 6% Gel, 7pps CSE, 3% Kcl, 0.4% FL-52, 0.2% SMS, 0.25pps Cello-flake (536 cuft), Yield - 2.06 cfs, Weight - 12.5 ppg. Cement to cover from TD across Dakota, Gallup and up to near stage tool in Mancos at ~4145' KB.
- Second Stage: cement with 546 sx Premium lite (35:65 Poz) w/ 8% Gel, 5% LCM, 3% Cacl₂, 0.4% FL-52, 0.4% SMS, 0.25pps Cello-flake (1163 cuft), Yield - 2.13 cfs, Weight - 12.1 ppg. Tail in with 90 sx Premium lite HS (35:65 Poz) w/ 6% Gel, 7pps CSE, 3% Kcl, 0.4% FL-52, 0.2% SMS, 0.25pps Cello-flake (185 cuft), Yield - 2.06 cfs, Weight - 12.5 ppg. Cement to cover Mesaverde, Pictured Cliffs, Fruitland, Ojo Alamo and to circulate back to surface. (Will adjust all volumes based upon integrated hole volume from open hole surveys)
- Attached is a cementing lab report and product description sheet for your use.

COPIES: BLM+4, LAND+1, ACTG+1, WELL FILE+1

14. I hereby certify the foregoing is true and correct

Signed

Steven S. Dunn Title Drilling & Production Manager

Date March 8, 2001

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

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CEMENTING LABORATORY REPORT ID: _____

COMPANY: Merrion Oil & Gas		DATE: _____	
WELL NAME: _____		LOCATION: _____	
DISTRICT: Farmington		TYPE JOB: _____	
DEPTH(FT): 6000 stg 1		stg1 stg2	
4000 stg 2		BHST(°F): 160 130	
CASING SIZE("): _____		BHCT(°F): 118 101	
HOLE SIZE("): _____		BHSqT(°F): _____	
TOC(md): _____		TOL (°F): _____ <input type="checkbox"/> Stack <input type="checkbox"/> Circ.	
SLURRY DATA			
#1	35:65:6 + 7 ppv + C5E STG 1: Premium Lite HS + 3% Kcl + .4% FL-52 + .2% SMS + .25# Cello-Flake		
#2	35:65:8 STG 2 lead: Premium Lite + 5# LCM-1 + 3% CacI2 + .4% FL-52 + .4% SMS + .25# Cello-Flake		
#3	STG 2 tail: Premium Lite HS + 3% Kcl + .4% FL-52 + .2% SMS + .25# Cello-Flake		
SLURRY PROPERTIES			
	#1	#2	#3
Density : ppg	12.5	12.1	12.5
Yield : cu.ft./sk.	2.06	2.13	2.06
Mixing Water: gal/sk.	10.84	11.2	10.84
Water Type:	Tap	Tap	Tap
Testing Temperature :	118 °F	103 °F	103 °F
Thickening Time: hr:min.	3:31	5:00+	4:21
Free Water: mls.	0	0	0
Fluid Loss: ml/30min	510	720	460
Compressive Strength : psi	160 °F	130 °F	130 °F
	hrs.		
24	hrs.	385	700
48	hrs.	550	1075
Rheologies	RPM	RT °F	RT °F
	300	42	41
	200	38	35
	100	34	28
	5	23	19
	3	12	17
	600	51	59
	PV	9	18
	YP	33	23
Gal Strength : #/100sq.ft.	10 sec.		
	10 min.		

REMARKS: _____

COMMENTS : The above data is supplied solely for informational purposes and BJ makes no guarantees or warranties, either express or implied, with respect to the accuracy or use of this data. All product warranties and guarantees shall be governed by the standard contract terms at the time of sale.

Operator Name: Merrion Oil & Gas
Well Name: SMITH COM 1E
Date: March 7, 2001



Proposal No: 216451966A

PRODUCT DESCRIPTIONS

Bentonite

Commonly called gel, it is a clay material used as a cement extender and to control excessive free water.

CSE

Compressive Strength Enhancer - Fumed Silica. An additive which contributes to low density, high compressive strength development of cement slurries at all temperature ranges. This material also controls free water without the need for standard extenders.

Calcium Chloride

A powdered, flaked or pelletized material used to decrease thickening time and increase the rate of strength development.

Cello Flake

Graded (3/8 to 3/4 inch) cellophane flakes used as a lost circulation material.

FL-52

A water soluble, high molecular weight fluid loss additive used in medium to low density slurries. It is functional from low to high temperature ranges.

LCM-1

A graded (8 to 60 mesh) naturally occurring hydrocarbon, asphaltite. It is used as a lost circulation material at low to moderate temperatures and will act as a slurry extender. Cement compressive strength is reduced.

Potassium Chloride

A granular salt used to reduce clay swelling caused by water-base cementing fluids.

Poz L (Fly Ash L)

Poz L is a synthetic pozzolan made from a superior grade of Fly Ash. Used to lower slurry density, increase slurry yield and improves suspension properties. Slurries with good compressive strength and no strength retrogression.

Sodium Metasilicate

An accelerator used to decrease the thickening time of cement slurries.

Sodium Metasilicate

An extender used to produce an economical, low density cement slurry.