

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires March 31, 2007

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.*

2007 JUL 20 AM 11 34

5. Lease Serial No  
SF-080384

50384

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Name and No.  
Sullivan A2

9. API Well No.  
30-045-25999

10. Field and Pool, or Exploratory Area  
Gallegos Gallup

11. County or Parish, State  
San Juan, NM

**SUBMIT IN TRIPLICATE – Other Instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Merrion Oil & Gas Corporation

3a. Address

610 Reilly Avenue, Farmington, NM 87401

3b. Phone No. (include area code)

505.324.5300

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

S10/26N/12W

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Report	<input checked="" type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

RCVD AUG3'07

OIL CONS. DIV.

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Merrion Oil & Gas performed a squeeze job on said well per verbal approval from Jim Lovato.

Crew discovered bad casing between 3089' and 3637'. Pull 9 joints and set packer at 2806' (tail of packer assembly) for squeeze. Dump sack of play sand down tubing and SDON.

July 13, 2007 - Drop standing valve and pressure test tubing to 3500 psig. Pressure test casing above packer to 2500 psig. Pull standing valve. Pressure up to 1000 psi on casing and shut in. Establish injection into squeeze zone at 2.4 BPM & 2100 psi. Start cement. Squeeze with 390 sacks type 5 neat at 2.25 BPM & 1900 psig pump pressure down tubing. Backside pressure rose to 1300 psig during squeeze. Displace with 12 bbl produced water. SITP = 1600 psig, SICP = 1350 psig. Wait 15 minutes and pump 0.5 bbl water down tubing. Pressure rose to 2200 psig. Fell back to 1800 psig at shutdown. Fell to 1300 psig in 15 minutes. Pump 0.5 bbl up to 2500 psi and fell to 1500 psig in 15 minutes. Pump 0.25 bbl. Pressure climbed to 2700 psig. Bled back 0.25 bbl and pressure fell back to 1500 psig. Pump 0.25 bbl and pressure rose to 1800 psig. P fell to 1200 psig in 15 minutes. Pump additional 0.25 bbl (1.75 bbl total) and pressure climbed to 1650 and held solid. Pressure up to 2500 psi on tubing and shut in. R/D cementers and let cement harden over weekend. After drill out, pressure test reg. to 600# with a pressure fall off of 50# in 30 min. - Test OK

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Denise Merilatt

Title Engineering Tech

Signature

Denise Merilatt

Date July 19, 2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

ACCEPTED FOR RECORD

Approved by

Title

Date

AUG 01 2007

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

FARMINGTON FIELD OFFICE  
BY

Title 18 USC Section 1001 and Title 43 USC Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

Pressure Pumping  
Services

## CEMENT JOB DETAIL REPORT

CUSTOMER NAME	Merrion Oil & Gas Corp.	DATE	July 13, 2007	F. R. #	70079602	JOB TYPE	Squeeze
LEASE & WELL NAME	Sullivan A-2	LOCATION	Sec., TN, RW	SERVICE SUP	Dean Mestas	WELL TYPE	New Gas
DRILLING CONTRACTOR & No	Mesa #207	OPERATOR	-	COUNTY	San Juan	STATE	New Mexico

MATERIALS FURNISHED:	TYPE OF PLUGS		LIST CSG. HARDWARE	SQUEEZE MANIFOLD Yes	TOP OF EACH FLUID	PHYSICAL SLURRY PROPERTIES					
	TOP					SLURRY WEIGHT LB/GAL	SLURRY YIELD CU-FT	WATER REQ GPS	PUMP TIME HR MIN	BBL SLURRY	BBL MIX WATER
	BOTTOM										

Pumped: 390 sacks; Cement Type 5 Neat			(514.8cuft)		3763'- 2993'	14.8	1.32	6.3	91.7	58.6
AVAILABLE MIX H2O: 100.0 Bbl		AVAILABLE DISPL. H2O: 100.0 Bbl		Total cu ft: 514.8cuft	TOTAL SLURRY/WATER: 91.7 58.6					

HOLE				YBG. CSG. D.P.				YBG. CSG. D.P.				COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH		SIZE	WEIGHT	TYPE	DEPTH	SIZE	WEIGHT	TYPE	DEPTH	SHOE	FLOAT	STAGE
				4 1/2	10.5#	J-55	3763'	2 3/8	4.7#	J-55	2836'			
LAST CASING				PKR-CMT RET-ER PLINER				PERF DEPTHS				TOP CONNECTION		
SIZE	WEIGHT	TYPE	DEPTH	BRAND & TYPE				TOP	BOTTOM			SIZE	THREAD	
												2 3/8	8 Round	
CALCULATED DISPLACEMENT VOLUME, BBL				CAL PSI	CAL MAX PSI	OP MAX	MAX TGB PSI	MAX CASING PSI	MAX TGB PSI	MAX CASING PSI		DISPLACEMENT FLUID		
TUBING	CASING	CASING	TOTAL	BUMP PLUG	TO REVERSE	SQ PSI	RATED	OP	RATED	OP		TYPE	WEIGHT	SOURCE
										3,500		Fresh Water	8.4	Water Truck

EXPLANATION OF ANY TROUBLES PRIOR TO CEMENTING:														
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PRESSURE, RATE, AND FLUID DETAIL						EXPLANATION			
TIME HR MIN	PRESSURE - PSI		RATE BPM	BBL FLUID PUMPED	FLUID TYPE	SAFETY MEETING: KEPPS CREW <input checked="" type="checkbox"/> CO REP <input checked="" type="checkbox"/> RIG CREW <input checked="" type="checkbox"/> CIRCULATING WELL: KEPPS <input checked="" type="checkbox"/> RIG CREW <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>			
	PIPE	ANNULUS				TEST LINES: 3500 psi			
8:00	-	-	-	-	-	Arrive on location, safety meeting, rig-up			
8:45	3,500	-	1.0	2.0	H2O	Start H2O w/ 2.0 bbl H2O to load tubing and test to 3500 psi			
8:47	-	-	-	-	-	SD, prepare to test backside			
8:49	2,500	-	1.0	2.0	H2O	Start H2O w/ 2.0 bbl H2O to load backside and test to 2500 psi			
8:55	-	-	-	-	-	SD, wait on water, prepare for cement			
9:23	1,000	1,000	0.5	1.0	H2O	Start H2O w/ 1.0 bbl H2O to pressure up backside and hold 1000 psi, shut in			
9:25	-	1,000	-	-	-	SD, prepare for injection rate			
10:45	2,100	1,000	2.25	8.0	H2O	Start H2O w/ 8.0 bbl H2O to establish injection rate			
10:50	1,900	1,000	2.25	91.7	Cement	Start Cement w/ 91.7 bbl slurry (390sx)			
11:33	-	1,000	-	-	-	SD, wash pumps and lines			
11:36	2,000	1,000	2.25	12.0	H2O	Start Displacement w/ 12.0 bbl H2O			
11:43	1,900	1,000	-	-	-	SD, Hesitate 15 minutes, ISIP 1900 psi.			
11:55	1,300	1,000	0.50	0.5	H2O	Start Displacement w/ 0.5 bbl H2O			
11:56	2,100	1,000	-	-	-	SD, Hesitate 15 minutes, ISIP 2100 psi.			
12:10	1,500	1,000	0.50	0.5	H2O	Start Displacement w/ 0.5 bbl H2O			
12:11	2,300	1,000	-	-	-	SD, Hesitate 15 minutes ISIP 2300 psi.			
12:26	1,500	1,000	0.50	0.25	H2O	Start Displacement w/ 0.25 bbl H2O			
12:27	2,800	1,000	-	-	-	SD, Hesitate 10 minutes, ISIP 2800 psi, Bled back .5 bbl H2O, shut in at 500 psi, watch pressure climb to 800 psi on its own.			
12:42	1,900	1,000	0.50	0.5	H2O	Start Displacement w/ .5 bbl H2O to regain squeeze pressure, NO SQUEEZE PRESSURE, began to pump into formation.			
12:43	1,900	1,000	-	-	-	SD, Hesitate 15 minutes, ISIP 1900 psi.			
13:00	1,400	1,000	0.25	5.0	H2O	Start Displacement w/ .25 bbl H2O			
13:01	1,800	1,000	-	-	-	SD, Hesitate 15 minutes, ISIP 1800 psi.			
13:15	1,300	1,000	0.25	5.0	H2O	Start Displacement w/ .25 bbl H2O			
13:16	2,500	1,000	-	-	-	SD, Hesitate 15 minutes, ISIP 2500 psi, shut in, rig down			

BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIPMENT	TOTAL BBL PUMPED	BBL CMT. RETURNS/ REVERSED	PSI LEFT ON CSG.	SPOT TOP CEMENT	KEPPS REPRESENTATIVE: CUSTOMER REPRESENTATIVE: CUSTOMER REP. SIGNATURE:	Dean Mestas Mr. Tyson Foutz	071307
-	-	-	128.5	-	1000'	2993'			