U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report

11/01/2022

Well Name: SULLIVAN A

Well Location: T26N / R12W / SEC 10 / NWNW / 36.507767 / -108.104584

County or Parish/State: SAN JUAN / NM

Well Number: 2

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMSF080384

Unit or CA Name:

Unit or CA Number:

US Well Number: 3004525999

Well Status: Producing Oil Well

Operator: MERRION OIL & GAS CORPORATION

Notice of Intent

Sundry ID: 2699252

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 10/24/2022

Time Sundry Submitted: 09:07

Date proposed operation will begin: 12/01/2022

Procedure Description: Please see the attached proposed PA procedure. A proposed SUPO for surface reclamation will be submitted separately.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

2022_10_03_Sullivan_A2__Plugging_Procedure__20221024090548.pdf

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Well Status: Producing Oil Well

Operator: MERRION OIL & GAS CORPORATION

Conditions of Approval

Additional

26N12W10DKg_Sullivan_A_002_20221101082656.pdf

Authorized

General_Requirement_PxA_20221101131457.pdf

2699252_NOIA_A_2_3004525999_KR_11012022_20221101131444.pdf

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: PHILANA THOMPSON

Signed on: OCT 24, 2022 09:07 AM

Name: MERRION OIL & GAS CORPORATION

Title: Regulatory Analyst

Street Address: 610 REILLY AVENUE

City: FARMINGTON **State:** NM

Phone: (505) 324-5336

Email address: PTHOMPSON@MERRION.BZ

Field

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647742

BLM POC Email Address: krennick@blm.gov

Disposition: Approved

Disposition Date: 11/01/2022

Signature: Kenneth Rennick

Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

WELL API NO.
30-045-25999

5. Indicate Type of Lease
STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
Sullivan A (NMSF-80384)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

8. Well Number 2

2. Name of Operator
Merrion Oil & Gas Corporation

9. OGRID Number
14634

3. Address of Operator
610 Reilly Ave, Farmington, NM 87401

10. Pool name or Wildcat
Gallegos Gallup

4. Well Location
Unit Letter__D_:____790___feet from the __North_____ line and ___790_____feet from the _West_____line
Section 10 Township 26N Range 12W NMPM County San Juan

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
6071 GL

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☒	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:	☐			OTHER:			☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Please see the attached proposed PA procedure.

Spud Date: Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE____*Philana Thompson*_____ TITLE_HSE & Regulatory Compliance_____DATE___10/24/22_____

Type or print name __Philana Thompson_____ E-mail address: __pthompson@merrion.bz____ PHONE: __505-486-1171_____

For State Use Only

APPROVED BY:_____TITLE_____DATE_____
Conditions of Approval (if any):

MERRION OIL & GAS

WORKOVER PROCEDURE

Well Information			
Well:	**Sullivan A No. 2**	**Field:**	Gallegos Gallup
Location:	790' fnl & 790' fwl (nw nw) Sec 10, T26N, R12W, NMPM San Juan Co., New Mexico	**Elevations:**	6,061' GL; 6,084' RKB
		Depths:	CIBP – 4,979' KB PBTD – 5242' KB; TD – 5290' KB
API:	30-045-25999	**Date:**	10/03/2022
Tubulars:	4 ½" 10.5ppf J55 to 5283' KB 2 ⅜" 4.7ppf J55 to 4956' KB	**Engineer:**	Shacie Murray (505-330-7605)
Perforations	Gallup - 5028' – 5202' Gross Interval, 15-holes select fire		

Version 1 - Subject to change based on varying well conditions

Project Scope

Plug and abandon well.

Plugging Procedure

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be Class G, mixed at 15.8 ppg with a 1.15 cf/sx yield.

1. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary. ND WH, NU BOP.
2. **Plug #1** (Gallup Top, 4879' – 4979'): 4.5" CR already set at 4979'. Pressure test tubing to 1000#. Load casing with water and circulate well clean. Pressure test casing to 800#. *Spot or tag subsequent plugs as appropriate according to CBL and pressure test results.* Mix 12 sxs Class G cement, spot on top of CICR to isolate the Gallup formations.
3. **Plug #2** (Stage Tool and Mancos Top, 4062' – 4259'): Mix 20 sxs of Class G cement, spot balanced plug to isolate the stage tool and Mancos formation.
4. **Plug #3** (Point Lookout Top, 3800' – 3900'): Mix 12 sxs Class G cement, spot balanced plug to isolate the Point Lookout formation.
5. **Plug #4** (Menefee and Cliff House Top, 2790' – 2950'): Mix 17 sxs Class G cement, spot balanced plug to isolated the Menefee and Cliff House formations.
6. **Plug #5** (Picture Cliffs Top, 1298' – 1398'): Mix 12 sxs Class G cement, spot balanced plug to isolate the Picture Cliffs formation.
7. **Plug #6** (Fruitland Top, 925' – 1025'): Mix 12 sxs Class G cement, spot balanced plug to isolate the Fruitland formation. TOOH.
8. **Plug #7** (Kirtland Top, 300' – 400'): RIH w/ wireline and perf at 400'. POOH, RUH w/ tubing to 400' and establish injection rate. Mix 55 sxs Class G cement, squeeze 43 sacks outside casing and 12 sacks inside casing to isolate the Kirtland formation. TOOH.
9. **Plug #8** (Surface Csg Shoe and surface, 0' – 275'): RIH w/ wireline and perf at 275'. POOH, RUH w/ tubing to 275' and establish circulation. Mix approximately 145 sxs Class G cement, circulate around good cement, approximately 59 sxs outside (100% excess is additional 59 sxs) and 22 sxs

inside (additional 50' excess is 5 sxs) to isolate the surface csg shoe and surface. SI well and WOC.

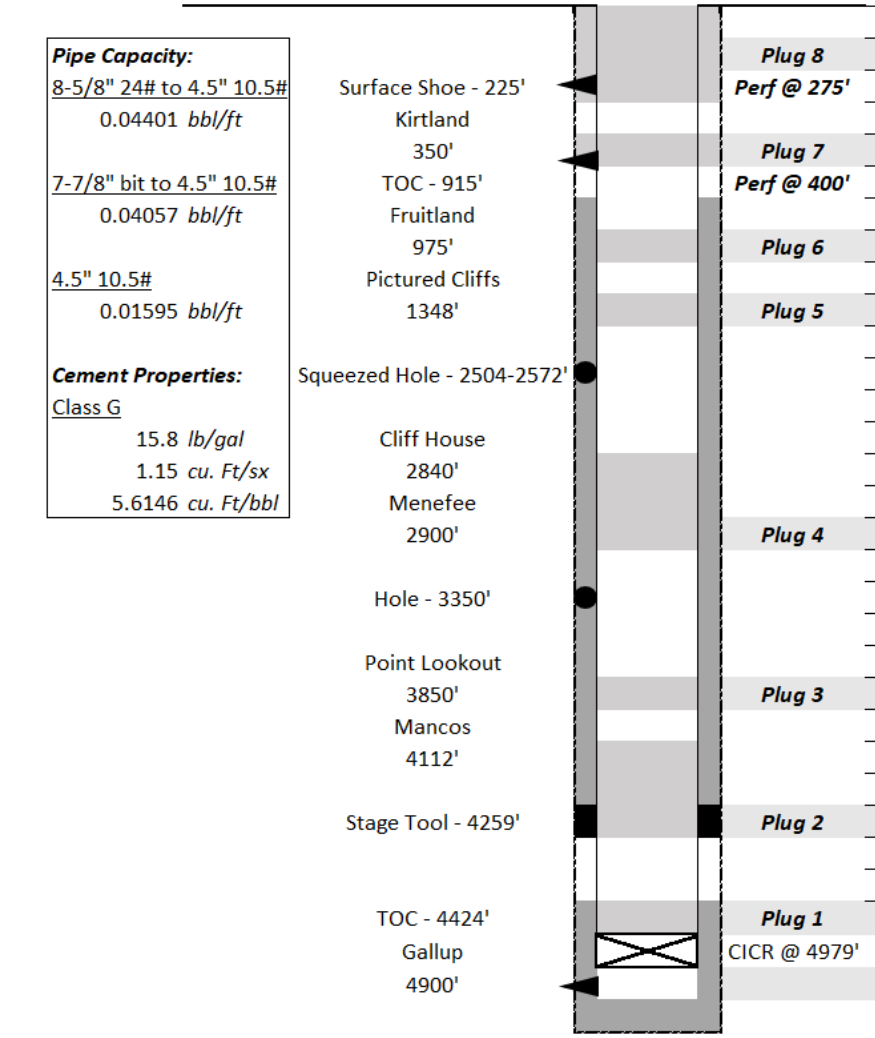
10. ND BOP and cut off wellhead below surface casing flange. Fill annuli with cement as necessary. Install P&A marker to comply with regulations. Record GPS coordinate for P&A marker on tower report. Photograph P&A marker in place.
11. RD, MOL and cut off anchors. Restore location per BLM stipulations

MERRION OIL & GAS

WORKOVER PROCEDURE

Plugged Wellbore:

Sullivan A2

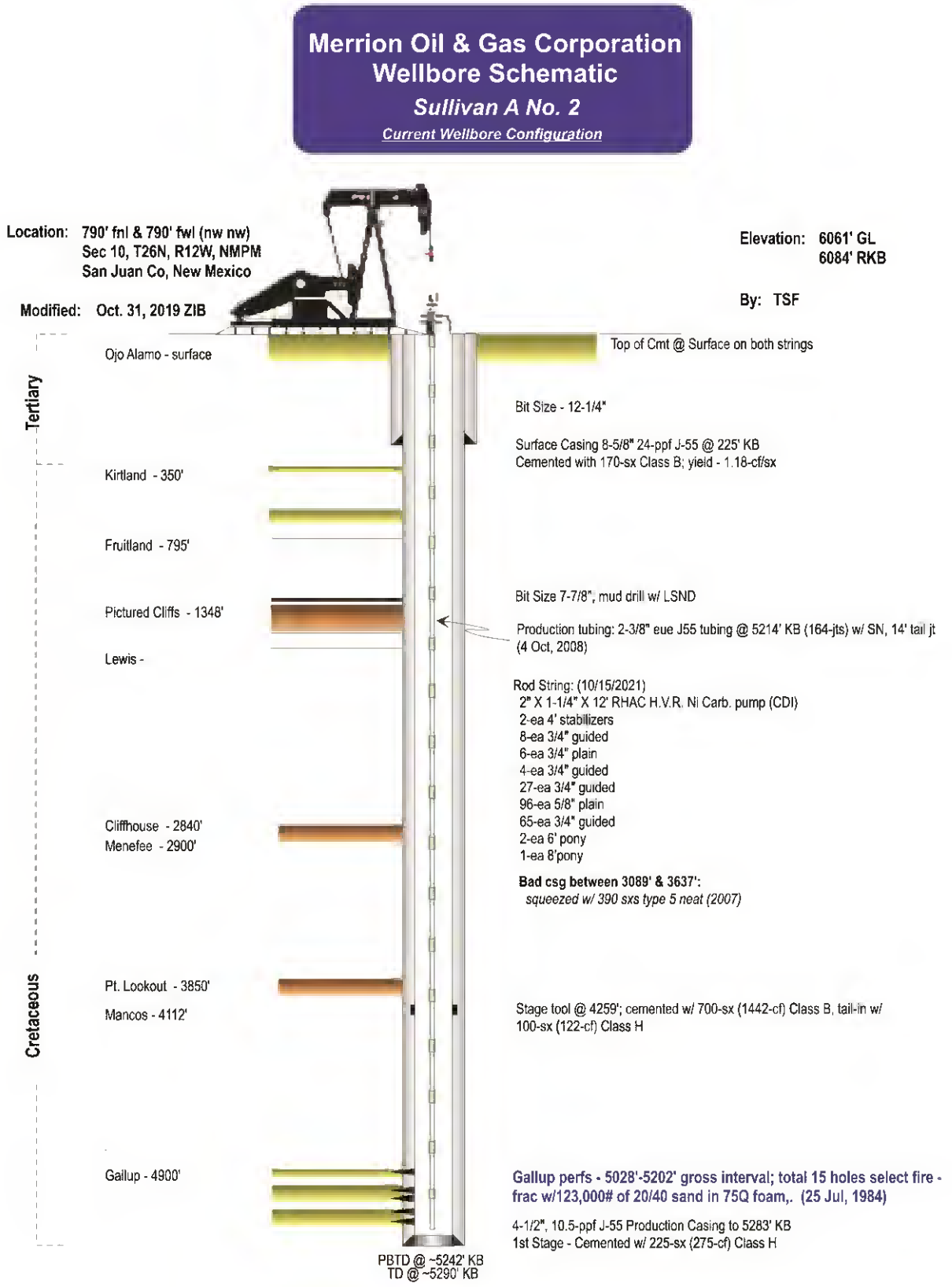


		Plug Details							
	Bottom	Top	Length	Inside cu. Ft	Outside cu. Ft	Inside (50' ex)	Outside (100% ex)	Total sxs
Plug 8	275	0	275	25	68.0	**26**	**119**	**145**
Perf @ 275'								
Plug 7	400	300	100	9	24.7	**12**	**43**	**55**
Perf @ 400'								
Plug 6	1025	925	100	9		**12**		**12**
Plug 5	1398	1298	100	9		**12**		**12**
Plug 4	2950	2790	160	14		**17**		**17**
Plug 3	3900	3800	100	9		**12**		**12**
Plug 2	4259	4062	197	18		**20**		**20**
Plug 1	4979	4879	100	9		**12**		**12**
CICR @ 4979'								
							Total:	**230**

MERRION OIL & GAS

WORKOVER PROCEDURE

Current Wellbore Diagram:



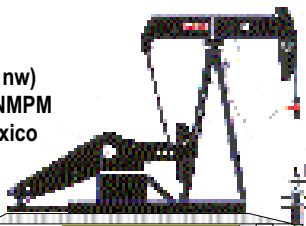
Merrion Oil & Gas Corporation
Wellbore Schematic
Sullivan A No. 2
Current Wellbore Configuration

Location: 790' fnl & 790' fwl (nw nw)
Sec 10, T26N, R12W, NMPM
San Juan Co, New Mexico

Modified: Sep. 29, 2022 SCM

Elevation: 6061' GL
6084' RKB

By: TSF



Tertiary

Ojo Alamo - surface

Kirtland - 350'

Fruitland - 795'

Pictured Cliffs - 1348'

Lewis -

Cretaceous

Cliffhouse - 2840'

Menefee - 2900'

Pt. Lookout - 3850'

Mancos - 4112'

Gallup - 4900'

Top of Cmt @ Surface on Surface Csg

Bit Size - 12-1/4"

Surface Casing 8-5/8" 24-ppf J-55 @ 225' KB
Cemented with 170-sx Class B; yield - 1.18-cf/sx

TOC @ 915' KB (CBL run 9/15/22)

Bit Size 7-7/8"; mud drill w/ LSND

Production tubing: 2-3/8" eue J55 tubing @ 4956' KB (157-jts) w/ SN, pinned notch collar

Squeeze hole @ 2504-2572' KB w/ 10 sxs Type 3 cement (9/16/22) and
Squeeze again w/ 115 sxs Type 3 cement (9/21/22)

Squeeze hole @ 3350' KB w/ 22 sxs Type 3 cement (9/16/22)

Bad csg between 3089' & 3637':
squeezed w/ 390 sxs type 5 neat (2007)

Stage tool @ 4259'; cemented w/ 700-sx (1442-cf) Class B, tail-in w/
100-sx (122-cf) Class H

TOC @ 4424' KB (CBL run 9/15/22)

CIBP set @ 4979' KB

Gallup perfs - 5028'-5202' gross interval; total 15 holes select fire - frac w/123,000# of 20/40 sand in 75Q foam,. (25 Jul, 1984)

4-1/2", 10.5-ppf J-55 Production Casing to 5283' KB
1st Stage - Cemented w/ 225-sx (275-cf) Class H

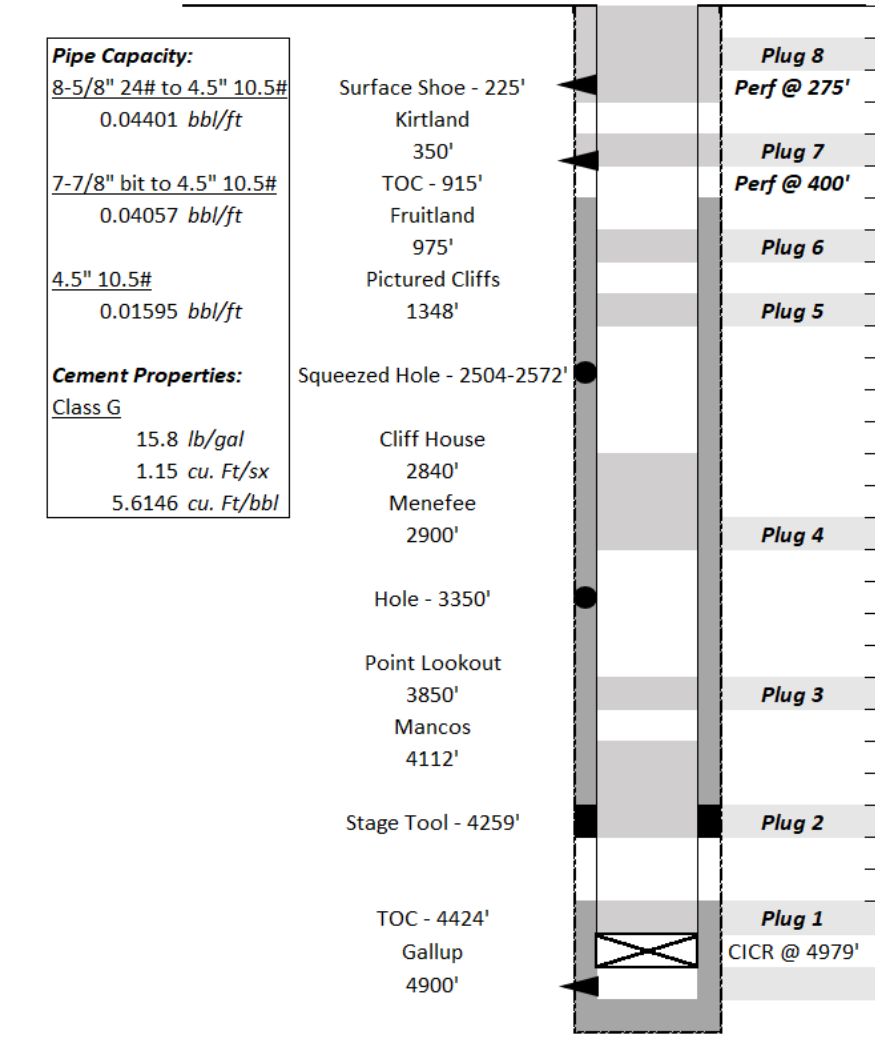
PBTD @ ~5242' KB
TD @ ~5290' KB

MERRION OIL & GAS

WORKOVER PROCEDURE

Plugged Wellbore:

Sullivan A2



		Plug Details							
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CICR @ 4979'								
							Total:	**230**

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
6251 COLLEGE BLVD.
FARMINGTON, NEW MEXICO 87402

AFMSS 2 Sundry ID 2699252

Attachment to notice of Intention to Abandon

Well: Sullivan A 2

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."

2. The following modifications to your plugging program are to be made:
   a. Add a plug to cover the Chacra formation top at 2190’

3. Farmington Office is to be notified at least 24 hours before the plugging operations commence at (505) 564-7750.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.

K. Rennick 11/1/2022

BLM FLUID MINERALS
P&A Geologic Report

Date Completed: 11/01/2022

Well No. Sullivan A #002 (API# 30-045-25999)		Location	790 FNL	&	790 FWL	
Lease No. NMSF080384		Sec. 10	T26N		R12W	
Operator Merrion Oil & Gas Corp		County	San Juan	State	New Mexico	
Total Depth 5290’	PBTD 5242’	Formation	Gallup			
Elevation (GL)		Elevation (KB)	6084’			

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose					
Nacimiento			Surface	behind casing	Surface/possible freshwater sands
Ojo Alamo Ss			behind casing	350	Aquifer (possible freshwater)
Kirtland Shale			350	975	Possible gas
Fruitland			975	1348	Coal/Gas/Water
Pictured Cliffs Ss			1348	1480	Probable Gas
Lewis Shale			1480	2190	
Chacra			2190	2840	Possible Gas
Cliff House Ss			2840	2900	Water/probable gas
Menefee			2900	3850	Coal/Ss/Water/probable gas
Point Lookout Ss			3850	4112	Probable water/O&G
Mancos Shale			4112	4900	Probable O&G
Gallup			4900	PBTD	O&G
Greenhorn					
Graneros Shale					
Dakota Ss					
Morrison					

Remarks:
P & A

- Existing CICR @ 4979’.
- Add a plug to cover the Chacra formation top at 2190’.
- Gallup perfs 5028’ – 5202’.

Reference Well:
1) **Formation Tops**
Same

Prepared by: *Chris Wenman*

GENERAL REQUIREMENTS FOR PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES FARMINGTON FIELD OFFICE

1.0 The approved plugging plans may contain variances from the following minimum general requirements.

1.1 Modification of the approved plugging procedure is allowed only with the prior approval of the Authorized Officer, Farmington Field Office.

1.2 Requirements may be added to address specific well conditions.

2.0 Materials used must be accurately measured. (densometer/scales)

3.0 A tank or lined pit must be used for containment of any fluids from the wellbore during plugging operations and all pits are to be fenced with woven wire. These pits will be fenced on three sides and once the rig leaves location, the fourth side will be fenced.

3.1 Pits are not to be used for disposal of any hydrocarbons. If hydrocarbons are present in the pit, the fluids must be removed prior to filling in.

4.0 All cement plugs are to be placed through a work string. Cement may be bull-headed down the casing with prior approval. Cement caps on top of bridge plugs or cement retainers may be placed by dump bailer.

4.1 The cement shall be as specified in the approved plugging plan.

4.2 All cement plugs placed inside casing shall have sufficient volume to fill a minimum of 100' of the casing, or annular void(s) between casings, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.3 Surface plugs may be no less than 50' in length.

4.4 All cement plugs placed to fill annular void(s) between casing and the formation shall be of sufficient volume to fill a minimum of 100' of the annular space plus 100% excess, calculated using the bit size, or 100' of annular capacity, determined from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.5 All cement plugs placed to fill an open hole shall be of sufficient volume to fill a minimum of 100' of hole, as calculated from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug. In the absence of a caliper log, an excess of 100% shall be required.

4.6 **A cement bond log or other accepted cement evaluation tool is required to be run if one had not been previously ran or cement did not circulate to surface during the original casing cementing job or subsequent cementing jobs.**

5.0 All cement plugs spotted across, or above, any exposed zone(s), when; the wellbore is not full of fluid or the fluid level will not remain static, and in the case of lost circulation or partial returns during cement placement, shall be tested by tagging with the work string.

5.1 The top of any cement plug verified by tagging must be at or above the depth specified in the approved plan, without regard to any excess.

5.2 Testing will not be required for any cement plug that is mechanically contained by use of a bridge plug and/or cement retainer, if casing integrity has been established.

5.3 Any cement plug which is the only isolating medium, for a fresh water interval or a zone containing a prospectively valuable deposit of minerals, shall be tested by tagging.

5.4 If perforations are required below the surface casing shoe, a 30 minute minimum wait time will be required to determine if gas and/or water flows are present. If flow is present, the well will be shut-in for a minimum of one hour and the pressure recorded. Short or long term venting may be necessary to evacuate trapped gas. If only a water flow occurs with no associated gas, shut well in and record the pressures. Contact the Engineer as it may be necessary to change the cement weight and additives.

6.0 Before setting any cement plugs the hole needs to be rolled. All wells are to be controlled by means of a fluid that is to be of a weight and consistency necessary to stabilize the wellbore. This fluid shall be left in place as filler between all plugs.

6.1 Drilling mud may be used as the wellbore fluid in open hole plugging operations.

6.2 The wellbore fluid used in cased holes shall be of sufficient weight to balance known pore pressures in all exposed formations.

7.0 A blowout preventer and related equipment (BOPE) shall be installed and tested prior to working in a wellbore with any exposed zone(s); (1) that are over pressured, (2) where the pressures are unknown, or (3) known to contain H_2S.

8.0 Within 30 days after plugging work is completed, file a Sundry Notice, Subsequent Report of Abandonment (Form 3160-5), five copies, with the Field Manager, Bureau of Land Management, 6251 College Blvd., Suite A, Farmington, NM 87402. The report should show the manner in which the plugging work was carried out, the extent, by depth(s), of cement plugs placed, and the size and location, by depth(s), of casing left in the well. Show date well was plugged.

9.0 All permanently abandoned wells are to be marked with a permanent monument as specified in 43 CFR 3162.6(d). Unless otherwise approved.

10.0 If this well is located in a Specially Designated Area (SDA), compliance with the appropriate seasonal closure requirements will be necessary.

All of the above are minimum requirements. Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1. You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 155346

CONDITIONS

Operator:	OGRID:
MERRION OIL & GAS CORP 610 Reilly Avenue Farmington, NM 87401	14634
	Action Number: 155346
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kpickford	CBL required	11/3/2022
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	11/3/2022
kpickford	Adhere to BLM approved COAs and plugs. See BLM COAs and GEO report.	11/3/2022