

submitted in lieu of Form 3160-5

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well  
GAS

2. Name of Operator  
MERIDIAN OIL

3. Address & Phone No. of Operator  
PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M  
975' FNL, 1485' FWL Sec. 10, T-31-N, R-10-W, NMPM

5. Lease Number  
SF-078389

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number  
Lucerne A #4A

9. API Well No.

10. Field and Pool  
Blanco PC/Blanco MV

11. County and State  
San Juan Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

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

13. Describe Proposed or Completed Operations

It is intended to shut off the gas flow out of the bradenhead valve per the attached procedure and wellbore diagram.

RECEIVED  
AUG 23 1993  
OIL CON. DIV.  
DIST. 3

RECEIVED  
BLM  
93 AUG 13 AM 10:20  
070 FARMINGTON, NM

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

Signed [Signature] (TJM) Title Regulatory Affairs Date 8/12/93

(This space for Federal or State Office use)

APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_

CONDITION OF APPROVAL, if any:

APPROVED

Date  
AUG 16 1993

DISTRICT MANAGER

Pertinent Data Sheet - Lucerne A #4A

Location: Unit C - Section 10 - T31N - R10W - San Juan County, New Mexico

Field: Blanco Mesaverde  
Blanco Pictured Cliffs

Elevation: 6184' GR  
6194' DF

TD: 5668'  
PBTD: 5651'

SITP: 640 PC SICP: 616 PC  
614 MV

AOF: MCFD

Spud: 11-28-77

Completed: 3-27-78

DP #: 53150B - MV  
53150A - PC

Casing Record:

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. &amp; Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Top/Cement</u>
13 3/4"	9 5/8"	32.3# H-40	231'	375 sxs	Surface/Circ
8 3/4"	7"	20.0# K-55	3364'	320 sxs	TOC @ 2600' TS
6 1/4"	4 1/2"	10.5# K-55	3204' - 5668'	120 sxs	Liner Top @ 3204'

7" - Baffle @ 3289'.

4 1/2" - Flapper Float Collar @ 5651', Bridging Collar @ 5425', Polished Bore @ 3208'.

Tubing Record:

<u>Tbg Size</u>	<u>Wt. &amp; Grade</u>	<u>Depth Set</u>	
2 3/8"	4.7# J-55	5588'	SN @ 5554'
1 1/4"	2.33# V-55	3068'	SN @ 3035'

Formation Tops:

Ojo Alamo:	1432'
Kirtland:	1480'
Fruitland:	2580'
Pictured Cliffs:	2972'
Cliffhouse:	4519'
Menefee:	4895'
Point Lookout:	5232'

Logging Record: GR-Ind., GR-Density, IES, GR-CCL, Temp. Survey

Stimulation:

Perf'd: Lower Point Lookout

5396' - 5401', 5470' - 5483', 5505' - 5531', 5562' - 5571', 5592' - 5600', w/16 /SPZ.

Frac'd: 50,000# 20/40 sand, 59,766 gal water. Flush w/7084 gal water.  
Dropped 1 set of 16 balls.

Perf'd: Massive Point Lookout

5233' - 5245', 5255' - 5264', 5274' - 5292', 5292' - 5310', 5320' - 5328', 5339' - 5344',  
5358' - 5364', w/16 SPZ.

Frac'd: 80,000# 20/40 sand, 71,588 gal water. Flush w/6930 gal water.  
Dropped 6 sets of 16 balls each.

**LUCERNE A #4A**  
**Pertinent Data Sheet**  
**Page Two**

Perf'd: Menefee  
4906' - 4921', 4931' - 4938', 4980' - 4988', 5023' - 5025', 5050' - 5068', 5106' - 5112',  
5123' - 5136', w/16 SPZ.

Frac'd: 70,000# 20/40 sand, 69,928 gal water. Flush w/6720 gal water.  
Dropped 6 sets of 16 balls each.

Perf'd: Cliffhouse  
4519' - 4527', 4646' - 4651', 4661' - 4669', 4750' - 4755', 4765' - 4772', 4808' - 4816',  
4826' - 4837', 4845' - 4871', w/16 SPZ.

Frac'd: 70,000# 20/40 sand, 70,000 gal water. Flush w/6300 gal water.  
Dropped 5 sets of 16 balls each.

Perf'd: Pictured Cliffs  
2986' - 3002', 3006' - 3016', 3022' - 3028', 3052' - 3064', w/16 SPZ.

Frac'd: 44,000# 20/40 sand, 58,212 gal water. Flush 5670 gal water.  
Dropped 3 sets of 16 each balls.

Squeeze: 4 1/2" liner. 3313' w/150 sxs cmt. 4 holes @ 5647', 3313' in liner.  
Squeezed w/431 cf cement.

**Workover History:**

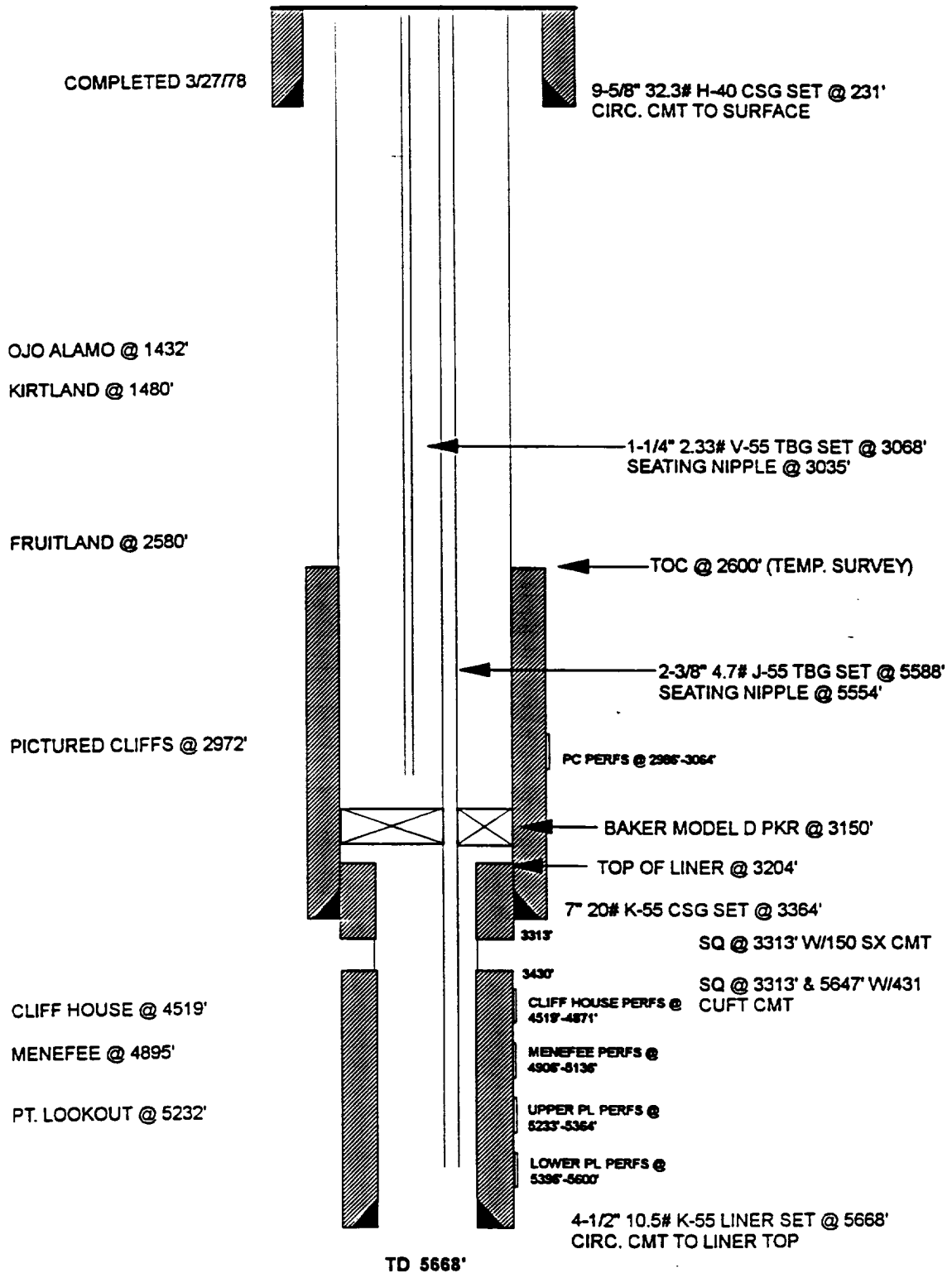
**Transporter: EPNG**

# LUCERNE A #4A

CURRENT

PICTURED CLIFFS/MESAVERDE

UNIT C, SEC 10, T31N, R10W, SAN JUAN COUNTY, NM



**Lucerne A #4A MV/PC  
Repair Procedure  
C Sec10 T31N R10W  
San Juan County, New Mexico**

1. Comply with all NMOCD, BLM, & MOI rules and regulations. Test rig anchors & MI blow pit. MOL and RU completion rig. NU adapter flange & BOP with flow tee and stripping head. Test operation of rams. NU blooie line and 2-7/8" relief line. Blow well down. Only if necessary, kill well w/ water.
2. PU 1-1/4" tubing and TOH laying down the tbg.
3. Release the model "D" packer and TOH w/ the 2-3/8" tbg.
4. TIH w/ 7" csg scrapper on tested 2-3/8" tubing to 2950'. TOH.
5. TIH w/ 7" retrievable bridge plug on 2-3/8" tbg and set @ 2950'. Load hole. TOH. Dump 1 sx sand on RBP.
6. MI & RU Wireline truck. Run a Cement Bond log from 2950' to TOC. Apply 1000 psi if necessary to clarify bond. Pressure test csg to 1000 psi.
7. Perf 2 SQ holes in 7" csg 50' above the TOC. TIH w/ 2-3/8" tbg. to 50' above SQ perfs. w/ bradenhead valve open and the pipe rams closed establish rate down 2-3/8". If circ can be established w/ bradenhead valve, circ cmt out bradenhead valve. Cmt w/ class "B" w/ 0.6% F.L. additive and 2% CaCl. Max pressure is 1000 psi. Flush cmt w/ water to leave 50' above perfs. Pull 2 stands of pipe and repressurize. Rig down cement crew and wait 4 hours. Check for flow. If there is no flow TOH. Otherwise, test every hour thereafter. If circulation was not established then run a temperature survey and squeeze 50' above TOC.
8. TIH with 6-1/4" bit on 2-3/8" tbg. Drill out cmt w/ air/mist below the squeeze holes & pressure test to 500 psi. Resqueeze if necessary. When pressure test holds, circ sand off RBP @ 2950' w/ air/mist (2% KCL). Retrieve BP. TOH. TIH w/ 3-7/8" bit on 2-3/8" tbg & C.O. to PBTD 5651'. TOH.
9. Run 2-3/8" tbg w/ Model "D" production packer set @ 3150. Set 2-3/8" tbg @ 5588' w/ S.N. one joint above bottom.
10. Run 1-1/4" tbg. Set @ 3068' w/ S.N. one joint off bottom.
11. Release rig & resume production.

Approve: \_\_\_\_\_  
J. A. Howieson

**VENDORS:**

Wireline:	Petro-Wireline	326-6669
Cement:	Western	327-6222