

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	5. Lease Number SF-078389
2. Name of Operator MERIDIAN OIL	6. If Indian, All. or Tribe Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	7. Unit Agreement Name
4. Location of Well, Footage, Sec., T, R, M 1180'FNL, 1150'FEL Sec.10, T-31-N, R-10-W, NMPM	8. Well Name & Number Lucerne A #4R
	9. API Well No.
	10. Field and Pool Blanco Mesa Verde
	11. County and State San Juan Co, NM

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

Type of Submission	Type of Action
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment	<input checked="" type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other -
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> 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 24 1993
OIL CON. DIV. J
DIST. 3

070 FARMINGTON, NM
93 AUG 17 PM 3:47

RECEIVED
BLM

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

Signed [Signature] (TJM) Title Regulatory Affairs Date 8/16/93

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

CONDITION OF APPROVAL, if any: _____

APPROVED

Date

AUG 19 1993

DISTRICT MANAGER

NMOCD

Pertinent Data Sheet - Lucerne A #4R

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

Field: Blanco Mesaverde

Elevation: 6109' GL
6119' DF

TD: 5317'
PBTD: 5285' (CO)

SITP: 900 **SICP:** 2447

AOF: MCFD

Spud: 10-14-63

Completed: 11-15-63

DP #: 50742A MV

Casing Record:

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Top/Cement</u>
13 3/4"	9 5/8"	32.3# J-55	330'	200 sxs	Surface/Circ
8 3/4"	7"	20.0# J-55	3228'	455 sxs	TOC @ 1445' TS
6 1/4"	4 1/2"	10.5# J-55	3069' - 5317'	225 sxs	TOC @ 3069' TS

7" - Packer @ 3048'.

Tubing Record:

<u>Tbg Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	
2 3/8"	4.7# J-55	5204'	SN @ 5192'
Perf'd @ 5192' - 5195'			

Formation Tops:

Ojo Alamo:	1380'
Kirtland:	1410'
Fruitland:	2515'
Pictured Cliffs:	2912'
Cliffhouse:	4741'
Menefee:	4820'
Point Lookout	5174'

Logging Record: IES, GR-Corr, Temp. Survey

Stimulation:

Perf'd: 5160' - 5166', 5182' - 5188', 5200' - 5206', 5222' - 5228', w/3 SPF
Frac'd: 30,000# 20/40 sand, 60,900 gal water, 100 gal 7# J-2. Flush w/169 bbls water.
Dropped 3 sets of 18 each balls.

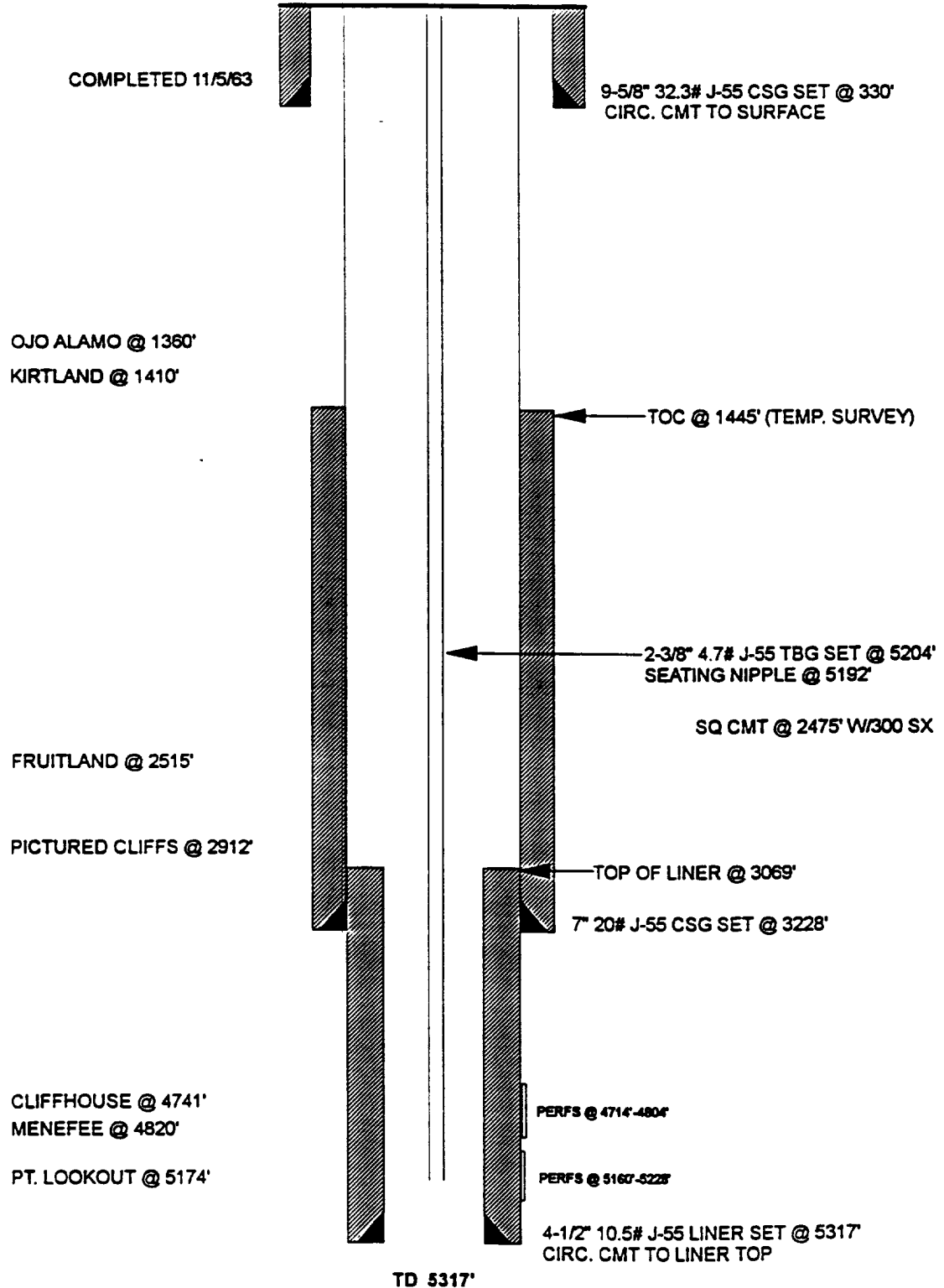
Perf'd: 4714' - 4720', w/2 SPF, 4732' - 4744', w/1 SPF, 4798' - 4804', w/2 SPF.
Frac'd: 15,000# 40/60 sand, 16,338 gal water, 1000 gal 7# J-2. Flush w/152 bbls water.
Dropped 1 set of 12 balls.

Perf'd: 4 holes @ 2475'
Sqz'd: 300 sxs reg. 2% cal. chloride.

Workover History:

Transporter: EPNG

LUCERNE A #4R
CURRENT
BLANCO MESAVERDE
UNIT A, SEC 10, T31N, R10W, SAN JUAN COUNTY, NM



**Lucerne A #4R MV
Repair Procedure
A Sec 10 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 (DAYLIGHT). 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. TOH w/ the 2-3/8" tbg (5204' - SN @ 5192').
3. TIH w/ 7" csg scrapper on tested 2-3/8" tubing to 2000'. TOH.
4. TIH w/ 7" retrievable bridge plug on 2-3/8" tbg and set @ 2000'. Load hole. TOH. Dump 1 sx sand on RBP.
5. MI & RU Wireline truck. Run a Cement Bond log from 1950' to Surf. Apply 1000 psi if necessary to clarify bond. Pressure test csg to 1000 psi.
6. 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.
7. TIH with 6-1/4" bit on 2-3/8" tbg. Drill out cmt w/ air/mist below the squeeze holes & pressure test to 1000 psi. Resqueeze if necessary. When pressure test holds, circ sand off RBP @ 2000' w/ air/mist (2% KCL). Retrieve BP. TOH. TIH w/ 3-7/8" bit on 2-3/8" tbg & C.O. to PBTD 5285'. TOH.
8. Run 2-3/8" tbg and set @ 5204' w/ S.N. one joint above bottom.
9. RD BOP and NU wellhead.
10. Release rig & resume production.

Approve: _____
J. A. Howieson

VENDORS:

Wireline:	HLS	327-4751
Cement:	Dowell	325-5096