

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  
800' FSL, 1075' FWL Sec. 27, T-28-N, R-9-W, NMPM

5. Lease Number  
SF-077111

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number  
Lackey 8

9. API Well No.

10. Field and Pool  
Harris Mesa Chacra

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 checked="" type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other -	

13. Describe Proposed or Completed Operations

It is intended to plug & abandon this well per the attached procedure and wellbore diagram.

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

Signed [Signature] (MP) Title Regulatory Affairs Date 11/1/93

(This space for Federal or State Office use)

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

CONDITION OF APPROVAL, if any:

APPROVED

NOV 15 1993

DISTRICT MANAGER

NMOCD

LACKEY #8 CHACRA  
UNIT M SECTION 27 T28N R09W  
San Juan County, New Mexico  
P & A Procedure

1. Install & test rig anchors. MI blow tank. MOL and RUSU. Comply to all NMOCD, BLM, & MOI rules & regulations. NU 3-1/4" Bowen BOP and stripping head. Test operation of rams. Install 2-3/8" relief line. Blow well down.
2. Run gauge ring on sand line to 3302' (50' above top Chacra). TIH w/2-7/8" cmt ret on 1-1/4" rental drill pipe & set @ 3302'.
3. Establish rate & sq Chacra perfs w/ 11 sx cmt. This will fill perfs & 2-7/8" csg to 3302' w/100% excess cmt.
4. Sting out of cmt ret & spot 1 sx cmt on top ret. Pressure test csg to 500 psi. Spot hole w/ mud: 15# sodium bentonite w/non-fermenting polymer, 8.4# gal weight, & 40 qs vis or greater. TOH.
5. With tbg @ 2434' (50' below top of Pictured Cliffs) spot 17 sx cmt. This will fill csg from 2434' to 2030' (50' above top of Fruitland) w/50% excess cmt. TOH.
6. Perf 2 sq holes @ 1450' (50' above top cmt behind csg). Run 2-7/8" cmt ret on 1-1/4" drill pipe & set @ 1440'. W/bradenhead valve open, est rate into sq holes & sq w/40 sx Cl "B" cmt. This will fill behind csg from 1450' to 1340' (50' above top Ojo Alamo) w/100% excess cmt. Sting out of ret & spot 5 sx cmt. This will fill inside csg from 1450' to 1340' w/50% excess cmt. If circ is established out bradenhead valve, continue pumping cmt & circ cmt out bradenhead valve (about 250 sx).
7. A. If cmt has not circ out bradenhead valve, TOH. Perf 2 holes @ 169' (50' below surface csg shoe). Est rate & circ cmt down csg & out bradenhead valve (about 35 sx).  
B. If cmt has circ out bradenhead valve, TIH w/1-1/4" drill pipe to 169' & circ cmt out csg (about 5 sx). TOH.
8. Cut off wellhead below surface casing flange and install dry hole marker to BLM specs. Release rig.
9. Restore location to BLM specs.

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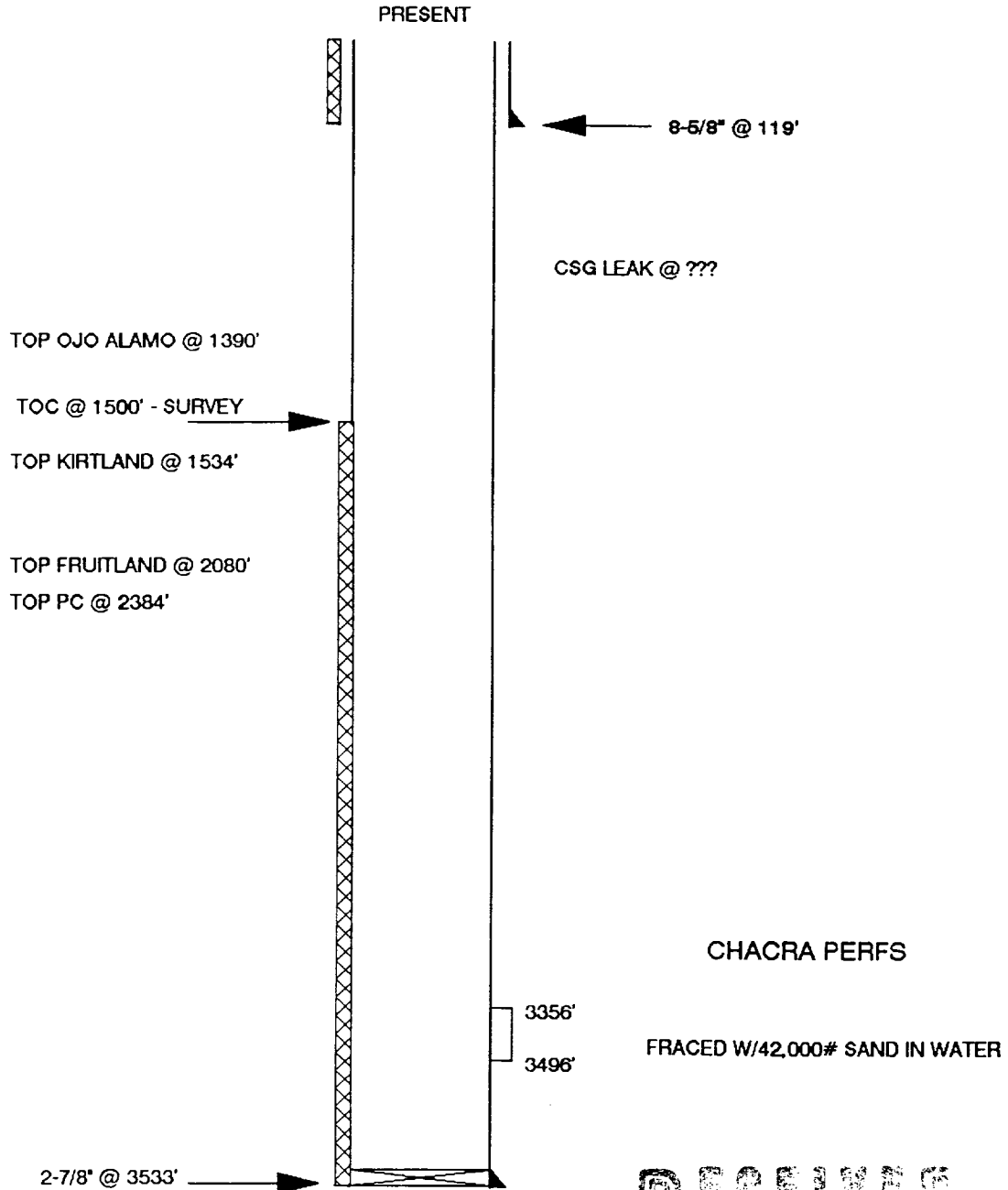
OIL CON. DIST.

Approve: \_\_\_\_\_  
K. F. Raybon

\_\_\_\_\_  
W. I. Huntington

# LACKEY #8 CHACRA

UNIT M SECTION 27 T28N R9W  
SAN JUAN COUNTY, NEW MEXICO



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Pertinent Data Sheet - LACKEY #8 CH

Location: 800' FSL 1075' FWL SEC. 27 T28N R09W, SAN JUAN COUNTY, N.M.

Field: Harris Mesa Chacra

Elevation: 6231' TD: 3533'  
11' KB PBTD: 3523'

Lease: Federal SF 077111

DP#: 45092A

GWI: 86.50%

NRI: 71.50%

Completed: 1-22-75

Initial Potential:

AOF=1046 MCF/D, Q=1037 MCF/D, SICP= 1027 psi

Casing Record:

<u>Hole Size</u>	<u>Csg. Size</u>	<u>Wt. &amp; Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Top/Cmt</u>
12-1/4"	8-5/8"	24# K-55	119'	112 cf	Circ Cmt
6-3/4"	2-7/8"	6.4# J-55	3533'	655 cf	1500' - Survey

Tubing Record: None

Formation Tops:

Ojo Alamo	1390'
Kirtland	1534'
Fruitland	2080'
Pictured Cliffs	2384'
Chacra	3352'

Logging Record: Induction Log, Density Log

Stimulation: Perfed Chacra @ 3356'-64', 3382'-94', 3464'-74', 3484'-96' w/6 spz & fraced w/42,000# sand in water.

Workover History: NONE

Production History: 1st Delivery = 3-1-75. Cumulative= 226 MMCF. Bradenhead = 0 psi & flows steady gas. Csg pressure =138 psi. Line Pressure = 152 psi.

Pipeline: EPNG

PMP

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IN REPLY REFER TO:  
(07337)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT  
FARMINGTON DISTRICT OFFICE  
1235 La Plata Highway  
Farmington, New Mexico 87401

Attachment to Notice of

Re: Permanent Abandonment

Intention to Abandon

Well: 8 Lackey

CONDITIONS OF APPROVAL

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

2. **Mike Flaniken** with the Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 599-8907.

3. The following modifications to your plugging program are to be made (when applicable):

1.) If cement does not circulate out the barren head from 1750', perforate @ 277' and circulate cement to the surface. (Nacimi to Top @ 227')

1a) If cement circulates out the barren head from 1750', spot a cement plug inside the casing from 277' to the surface.

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

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**GENERAL REQUIREMENTS FOR  
PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES  
FARMINGTON DISTRICT 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 Farmington District office, *Branch of Drilling & Production*.

1.2 Requirements may be added to address specific well conditions.

2.0 Materials used must be accurately measured.

3.0 A tank or approved pit must be used for containment of any fluids from the wellbore during plugging operations and all unattended pits are to be fenced.

3.1 Pits are not to be used for disposal of any constituent(s) of concern.

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.

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: (1) tagging with the work string, or: (2) *for cased holes only*; pressuring to a minimum surface pressure of 500 PSI, with no more than a 10% drop during a 15-minute period.

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 type of cement.

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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.

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.

6.0 All wells are to be controlled by means of a wellbore fluid that is to be of a weight and consistency necessary to stabilize the wellbore. Wellbore 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<sub>2</sub>S.

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 District Manager, Bureau of Land Management, 1235 La Plata Highway, Farmington, NM 87401. 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 After plugging work is completed the surface is to be rehabilitated in accord with instructions from the Surface Owner or the responsible Surface Management Agency. The period of liability under the bond of record will not be terminated until the lease is inspected and the surface rehabilitation approved. Please contact the Farmington District Office, Environmental Protection Staff, in reference to rehabilitation requirements and/or final inspection(s).

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.