

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 Jic. Contract 10
2. Name of Operator Meridian Oil Inc.	6. If Indian, All. or Tribe Name Jicarilla Apache
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 1580' FSL, 1600' FEL Sec. 34, T-25-N, R-5-W, NMPM	8. Well Name & Number Jicarilla L #12
	9. API Well No.
	10. Field and Pool Basin Dk/Otero Ch
	11. County and State Rio Arriba 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 checked="" type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment	<input 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 plug the Chacra formation, and open the Gallup formation per the attached procedure and wellbore diagram, commingling the Gallup with the existing Dakota formation. Commingling is approved per Order R-8109 and R-8109A.

RECEIVED
JUL 22 1992
OIL CON. DIV.
DIST. 3

RECEIVED
ELN
JUL 15 PM 2:32
BUREAU OF LAND MANAGEMENT, N.M.

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

Signed [Signature] (TEM) Title Regulatory Affairs Date 7/15/92

(This space for Federal or State Office use)
APPROVED BY _____ Title _____

CONDITION OF APPROVAL, if any:

APPROVED

NMOCD

JUL 21 1992
[Signature]
AREA MANAGER

Recompletion Procedure
Jicarilla L #12
T25NR05WSec34J
Squeeze Chacra. Gallup Add. Commingle with Dakota

1. Contact BLM & NMOCD 24 Hr's before start of operation. Comply with all NMOCD, BLM, & MOI rules & safety regulations. All water used will be filtered 2% KCl.
2. RU wireline. Obtain bradenhead, casing, and tubing pressures. Set plug in Dakota 1-1/2" tubing (1.43" ID "F" Nipple) @ **7065'**. Set plug in Chacra 1-1/4" tubing (1.18" ID "F" Nipple) @ **3587'**. Blow down tubing strings.
3. MIRU workover rig. **Hold Safety Meeting.** Clean out cellar. ND WH. NU (600 series) BOP, stripping head, manifold, blooie & kill lines. Test operation of BOP.
4. Install 1-1/4" slips, stripper rubber, & pipe rams. TOOH & LD 1-1/4" 2.33# J tubing from (**3618'**). Kill Chacra if necessary w/ 2% KCL water.
5. Change out stripper rubber, slips, & pipe rams to 1-1/2". TOOH & LD Baker Model "G-22" seal assembly & 1-1/2" Dakota tubing to Packer @ **7048'**. Note blast its from 3620' to 3660'. Change out stripper rubber, slips, & pipe rams to 2-3/8".
6. PU & TIH w/ 2-3/8" 4.7# EUE work string & Baker model "CJ" Milling tool. Mill top slips and remove Baker Model "D" Packer and tail pipe to **7096'**.
7. PU Baker Model "G" RBP & PKR combination & TIH on 2-3/8" tubing. Set RBP @ **6500'**. Dump 5 sxs sand on RBP. Load hole w/ 2% KCl. Pull up hole & set PKR @ **4000'**. Pressure test below PKR to 2500 psi. Note stage tool @ 5664' & MV formation top @ 4172'.
8. Pull uphole & Set PKR @ **3500'**. Test 5-1/2" x 2-3/8" annulus to 1000 psi. Note stage tool @ 2830'. Establish rate into Chacra perforations from (**3632' to 3648'**). Mix & pump 25 sxs Class B cement w/ 2% CaCl (100% excess). Hesitate squeeze as necessary to 1500 psi. Unseat PKR. Reverse out cement. TOOH w/ PKR & retrieving head. WOC.
9. PU & TIH w/ 4-3/4" bit, float, & 2-3/8". Drill cement w/ foam & air mist. Clean out to **4000'**. Pressure Test Squeeze to 1500 psi. TOOH.
10. Load hole w/ 2% KCl water. RU wireline. Run CBL from **6500'** to top of cement, accross stage tool @ **5664'**, accross Chacra interval, & accross stage tool @ **2830'**. Apply 500 psi if necessary for bond. **Squeeze Gallup Interval if necessary.**
11. Perforate the following Gallup interval bottom up w/ 3-1/8" select fire gun 1 SPF (.34" hole 10 gr) @ 6412', 6410', 6408', 6406', 6404', 6317', 6307', 6296', 6226', 6215', 6200', 6198', 6196', 6194', 6192', 6190', 6166', 6164', 6137', 6130'. Total of 20 holes. Correlate w/ openhole logs provided & stage tools.

12. TIH w/ Baker CCL & SAP tool (2' spacing) on 2-3/8" tubing. Test seals on clean pipe. Treat mid perforated interval first to obtain accurate BDP from (6296' to 6317') 3 settings. Unseat lower seals. Retest seals on clean pipe below perms. Treat remaining intervals (6404'-6412') 5 settings & (6130'-6226') 12 settings. Fluid will be 7-1/2% HCl w/ clay stabilizers (Total acid 25 bbls). Unseat SAP tool. Circulate hole clean w/ air from 6412'. TOOH & Stand Back 2-3/8" tubing. Change out stripper rubber, slips, & pipe rams to 3-1/2".
13. PU & TIH w/ Packer, one joint 3-1/2", (2.75" ID "F" Nipple), & 3-1/2" 9.3# N-80 Upset Frac String (2.992" ID, 3.75" OD). Clean hole w/ air. Set PKR @ approx 5900'. Across good cement, but below stage tool @ 5664'. Fill annulus w/ 2% KCl water and monitor 500 psi throughout stimulation.
14. RU stimulation company. Hold Safety Meeting. Foam frac per attached procedure. All sand tagged w/ 0.3 mc/ 1000# Ir-192. Max Pressure is 8000 PSI. SI for gel to break.
15. Flow well. Unseat PKR. Set plug in "F" Nipple. TOOH & LD 3-1/2" Frac String & PKR. Change out stripper rubber, slips, & pipe rams to 2-3/8".
16. PU retrieving head, float & TIH on 2-3/8". Clean out sand w/ foam & air. Gauge Gallup interval. Clean out to RBP @ 6500'. Recover RBP & TOOH.
17. RU wireline. Run afterfrac gamma ray log. RD.
18. TIH w/ preperforated sub, expendable check, (2.250" ID "F" Nipple) & 2-3/8" 4.7# J-55 EUE tubing. Clean out to PBTD of 7495'. Set tubing anchor @ 6100' (above Gallup Perforations) Obtain gauge @ 15 min, 30 min, 45 min, & 1 hr. Land tubing @ approx 7120' (above Dakota Perfs). Test tubing to 1500 psi.
19. ND BOP & stripping head. NU tree & manifold flowline for (former) Dakota surface equipment. Drop ball, pump off check. Obtain final gauge on commingled Gallup-Dakota production.
20. RD workover rig. Restore location.
21. Operations. Install pump, rods, & beam pumping unit. Return well to production.

IEH

Jicarilla L #12

T25NR05W34J

Squeeze Chacra/Add Gallup
Commingle Gallup/Dakota

Current

KB: 6778'
GL: 6765'

12-1/4" Hole
8-5/8" 23# Casing
@ 334'
w/ 325 sxs to Surf

1-1/4" Tubing
@ 3618'

1-1/2" Tubing
@ 7096'

Stage Tool @ 2830'
w/ 774 sxs to Surf

Chacra Perforations
8 - .34" holes
1 SPF from
3632'-3648'

Stage Tool @ 5664'
w/ 375 sxs to Surf

Baker Model "D" Production Packer
@ 7048'

Dakota Perforations
23 - .34" holes
1 SPF from
7142' - 7193'

7-7/8" Hole
5-1/2" 17# Casing
@ 8494'
w/ 480 sxs

PBTD: 7495'
TD: 8500'

Proposed

KB: 6778'
GL: 6765'

12-1/4" Hole
8-5/8" 23# Casing
@ 334'
w/ 325 sxs to Surf

Stage Tool @ 2830'
w/ 774 sxs to Surf

Squeezed Chacra
Perforations

Stage Tool @ 5664'
w/ 375 sxs to Surf

Tubing Anchor @ 6100'

Gallup Perforations
20 - .45" holes
1 SPF from
6130' - 6412'

Dakota Perforations
23 - .34" holes
1 SPF from
7142' - 7193'

7-7/8" Hole
5-1/2" 17# Casing
@ 8494'
w/ 480 sxs

PBTD: 7495'
TD: 8500'

The Chacra formation will be squeeze cemented and the Gallup opened, stimulated, and produced commingled with the currently open Dakota formation.

Formation Tops

Ojo Alamo	2173'
Fruitland	2595'
PC	2750'
Chacra	3610'
Cliff House	4172'
Menelee	4400'
Point Lookout	4910'
Mancos	5295'
Gallup	5760'
Greenhorn	6915'
Dakota	7015'
Morrison	7372'

6/24/22