

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Marathon Oil Company

3a. Address

P.O. Box 552 Midland, TX 79702

3b. Phone No. (include area code)

1-800-351-1417

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**UL "M" Sec. 28, T-26-N, R-5-W
1040' FSL & 800' FWL
Rio Arriba Co. N.M.**

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

Jicarilla Apache

7. If Unit or CA/Agreement, Name and/or N

8. Well Name and No.

Jicarilla Apache # 11

9. API Well No.

30-039-08149

10. Field and Pool, or Exploratory Area

Blanco Mesa Verde and Otero Chacra

11. County or Parish, State

Rio Arriba N.M.

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	_____
<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Propose to perforate Blanco Mesa Verde and Chacra perms. Plan to stimulate same as per attached workover procedure.

Downhole commingle permit has been approved as of April 24th, 2000 on administrative order # 2717.



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

Name (Printed/Typed)

Jerry Fletcher

Title

Engineer Tech.

Date **7-06-00**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/s/ Patricia M. Hester

Title

Lands and Mineral Resources

Date

JUL 24 2000

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes 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.

Certificate Number

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 S. 1st Street, Artesia, NM 88210-2834
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

STATE OF NEW MEXICO
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

FORM C-102
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

20 JUL 10 2000 ☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-08149	² Pool Code 82329	³ Pool Name Otero CHACRA
⁴ Property Code 6414	⁵ Property Name JICARILLA APACHE	
⁷ OGRID No. 14021	⁸ Operator Name Marathon Oil Company	
		⁶ Well Number # 11
		⁹ Elevation G.L. 6465

¹⁰ Surface Location

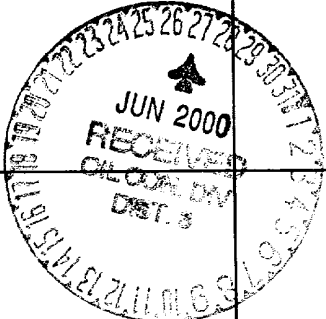
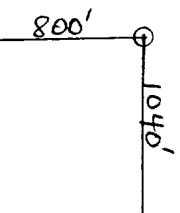
UL or lot no. "M"	Section 28	Township 26-N	Range 5-W	Lot. Idn	Feet from the 1040'	North/South Line SOUTH	Feet from the 800'	East/West line WEST	County RIO ARRIBA
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
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¹² Dedicated Acres 160 50/4	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON--STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

				¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature JERRY FLETCHER Printed Name ENGINEER TECH. Title July 06, 2000 Date	
				¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. N/A Date of Survey Signature and Seal of Professional Surveyer: Certificate Number	
					

WORKOVER PROCEDURE

Jicarilla Apache #11

Jicarilla Field

1040' FSL & 800' FWL of Sec. 28, T-26-N, R-5-W
Rio Arriba, New Mexico

Date: June 9, 2000

Purpose: Add Mesaverde and Chacra pay and DHC

GW: 100% NRI: 87.5%

AFE #: AFE Amount: \$191,850 AFE Days: 13

Elevations: KB: 6478' GL: 6465'

TD: 7270' PBD: 7246' - Junk from CIPB Spud Date: 2-6-67

Surface Csg: 10-3/4", 32.75#, H-40 @ 416' cmt'd w/ 475 sks (circulated)

Production Csg: 7-5/8" 26.4# N-80 @ 3032' cmt'd w/ 600 sks (circulated)
4-1/2" 11.6# J-55 Liner from 2928' to 7269' cmt'd w/ 215 sks (TOC @ 5193' by TS)
[Drift (7-5/8" 26.4#) = 6.844" 80% Burst = 4816 psi]
[Drift (4-1/2" 11.6#) = 3.875" 80% Burst = 4280 psi]

Tubing: Long String: 1 jt 2-3/8" 4.7# J-55 EUE tbg, 2 - 10' & 1 - 6' pups, 90 jts 2-3/8" 4.7# J-55 EUE tbg, 2 - 20' & 1 - 10' blast jts, 131 jts 2-3/8" 4.7# J-55 EUE tbg, Baker "F" SN, Baker safety jt, 1 jt 2-3/8" 4.7# J-55 EUE tbg, Model "E" locator seal assembly (Baker Model "F" Pkr @ 6970')
Short String: 90 jts 2-3/8" 4.7# J-55 EUE tbg, Baker "F" SN, 5' perforated sub w/ BP (EOT @ 2818')

Perforations: Graneros & Dakota: 6998 - 7226' (56 shots)
Pictured Cliffs: 2848 - 82' (38 shots)

Anticipated BHP: ±200 psi in the Pictured Cliffs
±1300 psi (estimated original) in the Chacra
±1500 psi (estimated original) in the Mesaverde
±500 psi in the Dakota

Comments: 1) Use 2% KCl in all workover fluids.
2) Use 2-3/8" N-80 tbg as work string.

PROCEDURE

1. Inspect location and improve if necessary. Install and test safety anchors to 22,500#. (Last well work in January 1967)
2. MIRU PU. Kill well as necessary. ND wellhead. Install 2" valve on long string. NU 7-1/16" BOP as per Mid-Continent Region's "Workover and Completion Guidelines". Function test BOP. Pull split tubing hanger. Install offset spool. POOH laying down 2-3/8" short string. ND offset spool. Remove 2" valve. POOH w/ 2-3/8" long string. RIH w/ 7-5/8" RBP & setting tool. Set plug at ±500'. Test RBP to 1500 psi. POOH. ND BOP and Rector well head. NU standard Larkin style well head on 7-5/8" casing. NU BOP. Test blind rams to 1500 psi. RIH and test pipe rams to 1500 psi. Pull RBP.
3. RIH w/ RBP & packer for 4-1/2" 11.6# casing. Set RBP @ ±5250' and test. Spot 10' sand on RBP. POOH w/ packer.
4. Change pipe rams to 4-1/2". RIH w/ seal assembly for tieback on Brown CRL Packer on 4-1/2" 11.6# J-55 LTC temporary liner. Sting into tieback sleeve and test to 2000 psi. Install hanger/packoff for 4-1/2" casing. NU BOP to 4-1/2". Change rams to 2-3/8" and test. (Note: A full bore packer such as a TIW's LH Liner Hanger Packer can be run on the bottom of the 4-1/2" temporary liner instead of the seal assembly. If used, set packer below Pictured Cliffs perfs.)
5. RU electric line company. RIH with a 3-1/8" casing gun with 4 SPF @ 90 degree phasing and perforate squeeze holes @ ±5150' (total of 4 shots). POOH. RIH and set a cement retainer at ±5050'. POOH
6. RIH with 2-3/8" tbg and sting into retainer. PU and test tbg to 2000 psi. LD and establish injection into sqz perfs. Squeeze with ~100 sks Class "A" cmt w/ FLA. Attempt to obtain a 500 psi squeeze. Hesitate with 1 bbl cmt remaining in tbg as necessary. Do not exceed 1000 psi. Do not over displace. Pull out of retainer and reverse circulate clean. POOH.
7. Repeat Step #6 perforating @ ±3850' and setting retainer @ ±3750'. Wait on cement overnight.
8. PU bit and drill collars. RIH and drill out all retainers and cement'. Test each set of sqz perfs to 1000 psi as they are drilled. Re-squeeze if necessary by using a 50 sack balanced cement plug. POOH with bit and drill collars.
9. RIH with retrieving tool on 2-3/8" tubing and POOH with RBP @ ±5250'.
10. RU foam air unit. RIH with burn over shoe, extension, jars & drill collars and cut over Baker Model "D" pkr at 7120'. (Note: Contact Baker and insure burn over shoe is the correct one for the packer - It should take no more than 4 hours to burn over packer). Push packer to 7246' if possible, if not then RIH w/ OS and jars and fish packer.

WORKOVER PROCEDURE
Jicarilla Apache #11

11. RIH with RBP for 4-1/2" 11.6# casing. Set RBP @ $\pm 5250'$ and test. Spot 10' sand on RBP. POOH.
12. RU to frac down casing. RU electric line. NU and test lubricator to 1500 psi. Run GR-CCL log from $\pm 5250'$ to 3000'. Correlate with Schlumberger's GR-FDC log dated 1/20/67. RIH with 3-1/8" casing gun loaded 1 SPF with premium charges and perforate the Mesaverde as follows: 4808', 14', 16', 18', 95', 4908', 20', 30', 35', 48', 5009', 12', 14', 32', 36', 41', 44', 47', 52', 57', 67', 69', 72', 5103', and 5126' (25 shots). POOH.
13. RU flowback line. RU stimulation company. Hold safety meeting. Test lines to 6000 psi. Stimulate the Mesaverde as per recommendation @ 45-50 BPM using 135,000# of 20/40 sand. Limit maximum treating pressure to 4250 psi. Displace to top perf.
14. NU lubricator and RIH with CIBP. Set CIBP at $\pm 3850'$ and pressure test to 2000 psi.
15. RIH with a 3-1/8" casing gun loaded 2 SPF @ 120 degree phasing with premium charges and perforate the Chacra from 3714-39' (50 shots). POOH & RD electric line.
16. Retest lines to 6000 psi. Stimulate the Chacra as per recommendation using 65,000# of 20/40 sand. Limit maximum treating pressure to 4250 psi. Flow back well immediately between 1 and 2 BPM. RD stimulation company.
17. RIH w/ sinker bar & tag sand. RU foam air unit. RIH w/ 3-7/8" bit and drill collars and clean out to CIBP @ $\pm 3850'$. Continue jetting well until it makes no more than 1 BPH water and no sand. Flow test the Chacra a minimum of 6 hrs.
18. Drill out CIBP @ $\pm 3850'$. Clean out to RBP @ $\pm 5250'$. Continue jetting well until it makes no more than 1 BPH water and no sand. POOH with bit.
19. RIH with retrieving tool for RBP @ $\pm 5250'$. Clean off as necessary. Release RBP and PU to $\pm 3200'$ and re-set RBP. Test to 1000 psi and POOH with tbg. ND BOP off of 4-1/2 casing. NU BOPs on 7-5/8" casing head. Change rams to 4-1/2" POOH laying down 4-1/2" temporary liner.
20. Change rams to 2-3/8". RIH with retrieving tool for RBP @ $\pm 3200'$. POOH with RBP laying down 2-3/8" WS. (Note: Expect gas bubble and or loss of hydrostatic head when RBPs are released.)
21. RIH with notched collar and seating nipple on 2-3/8" production tubing. Clean out any sand fill as necessary. Land SN @ $\pm 7150'$. ND BOP. Swab well in as necessary. RD PU. Turn well over to production

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