

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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.

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires November 30 2000

5. Lease Serial No.

Tract 251 Contract 154

6. If Indian, Allottee or Tribe Name

Jicarilla Apache

7. If Unit or CA/Agreement, Name and/or No.

N/A

8. Well Name and No.

Jicarilla Apache No. 13E

9. API Well No.

30-039-22446

10. Field and Pool, or Exploratory Area

Jicarilla Field - Blanco MV,  
Basin Dakota, Chacra *overo*

11. County or Parish, State

Rio Arriba NM

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

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☒ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☒ Other DHC 3 Zones

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.)

Marathon Oil Company plans to perforate the Chacra and to downhole commingle with existing perforations in the Blanco Mesa Verde and the Basin Dakota.

AFMSS

PLEASE SEE ATTACHED PROCEDURE

Adjud *amy*  
Engr *BB*  
Geol *fm*  
Surf *fm*  
Appv *BB*

00 MAR 22 PM 12:40  
ALBUQUERQUE, N.M.

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Tim L. Chase

Title

Advanced Engineer Technician

Date

3/20/00

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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, 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.

(Instructions on reverse)

# WORKOVER PROCEDURE

## Jicarilla Apache #13E

Jicarilla Field  
1850' FNL & 930' FWL of Sec. 33, T-26-N, R-5-W  
Rio Arriba County, New Mexico

Date: March 16, 2000

Purpose: Recomplete in the Chacra and DHC

GWI: 100% NRI: 87.5%

AFE #: 591900

AFE Amount: \$102,600

AFE Days: 9

Elevations: KB: 6610'

GL: 6598'

TD: 7473' PBTD: 7267' - Junk (**Arrow TS RBP set @ 5480'**) Spud Date: 10-29-80

Surface Csg: 9-5/8" 36# K-55 @ 526' cmt'd w/ 400 sks (circulated)

Production Csg: 7" 20/23/29# K-55 & N-80 @ 7473' cmt'd in 2 stages w/ 999 sks w/ DV tool @ 4107'  
[Drift (29#) = 6.059" 80% Burst (20# K-55) = 2992 psi]

Tubing: Baker Lok-Set Packer @ 4863', SN, 155 jts 2-3/8" 4.7# J-55 tubing

Perforations: Mesaverde: 4916 - 5296' (35 shots) ✓  
Graneros: 7107 - 7117' (5 shots) ✓  
Dakota: 7241 - 7295' (14 shots) ✓  
Morrison: 7353 - 7384' (15 shots - Under cement retainer @ 7310')

Anticipated BHP: ±500 psi in the Dakota ✓  
±1500 psi (estimated original pressure) in the Chacra ✓

Comments: 1) Use 2% KCl in all workover fluids (no substitutes). ✓  
2) Use 2-7/8" N-80 tbg as work string. ✓  
3) Will need to PU/replace the 75 jts of 2-3/8" tbg LD on 11-12-99. Will also need 40' to 60' of blast jts. ✓

### PROCEDURE

1. Inspect location and improve if necessary. Install and test safety anchors to 22,500# as necessary.
2. MIRU PU. Kill well as necessary. ND wellhead. NU 7-1/16" BOP as per Mid-Continent Region's "Workover and Completion Guidelines". Function test BOP. POOH with Baker Lok-Set pkr and 2-3/8" production tubing. Change pipe rams to 2-7/8". RIH w/ 7" RBP & setting tool on 2-7/8" WS. Set plug at ±250'. Test pipe rams to 1500 psi. Release from plug. POOH w/ setting tool. Test blind rams to 1500 psi. ✓
3. RIH & release plug. Set RBP ±4500'. Test RBP and csg to 500 psi. Spot ~10' sand on top of RBP. POOH. ✓
4. RU Electric Line Co. NU and test lubricator to 1500 psi. RIH with a 4" casing gun loaded 2 SPF @ 120 degree phasing with premium charges and perforate the Chacra from 3802' to 3827' (50 shots). Use Schlumberger GR-CCL log dated 10/29/99 for correlation. POOH & RD Electric line Co. ✓
5. RIH with treating packer on 2-7/8" WS. Hydro-test tbg below slips to 6000 psi. Set pkr below Chacra perfs and test RBP to 2500 psi. Re-set packer ~100' above Chacra perfs. Test csg x tbg annulus to 1000 psi. ✓
6. RU flowback line to frac tank. RU stimulation company. Hold safety meeting. Test lines to 6000 psi. Place 1000 psi on annulus and monitor while treating well. Break down perfs with 1000 gals 10% Acetic acid. Stimulate Chacra as per recommendation using 70,000# of 20/40 sand. Limit maximum treating pressure to 6000 psi. Call flush as soon as sand concentration starts to drop and displace to top perf. Flow back well immediately. Flow well between 1 and 2 BPM. RD stimulation company while flowing well. ✓
7. RIH w/ sinker bar and tag sand. If sand is not into perfs and well will flow then RU test unit and flow test Chacra for a minimum of 3 hours. Release packer and POOH with 2-7/8" tubing. ✓
8. RU foam air unit. RIH with notched collar and clean out to RBP @ 4500'. (If sand in perfs in Step #7 or well won't flow, PU EOT to Chacra perforations and circulate well until it cleans up. Continue jetting well until it makes no more than 1 BPH water & no sand. Clean out to RBP as necessary. PU EOT to above Chacra perfs. Jet or swab well in as necessary. Establish stable flow rates. RU test unit and flow test Chacra for a minimum of 3 hours.) POOH. ✓
9. RIH and pull RBP @ 4500'. RIH with retrieving tool for Arrow TS RBP @ 5480'. Clean off as necessary and POOH with RBP laying down 2-7/8" WS. (Note: Expect gas bubble and or loss of hydrostatic head when RBPs are released)
10. RIH w/ notched collar, mud joint and seating nipple on 2-3/8" production tubing. Land SN @ ~7,240'. Place blast joints across new Chacra perfs. ND BOP. NU wellhead. Swab well in as necessary. RD PU. Turn well over to production. ✓

XC: D. W. Arnst  
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R. J. Longmire

R. Skinner  
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Well File

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-039-20006		<sup>2</sup> Pool Code		<sup>3</sup> Pool Name Otero CHACRA	
<sup>4</sup> Property Code 6414		<sup>5</sup> Property Name Jicarilla Apache			<sup>6</sup> Well Number 13E
<sup>7</sup> OGRID No. 14021		<sup>8</sup> Operator Name Marathon Oil Company			<sup>9</sup> Elevation (GL) 6598'

<sup>10</sup> Surface Location									
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
E	33	26N	5W		1850	North	930	West	Rio Arriba

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres 320	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

	<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
	Signature Tim L. Chase Printed Name Advanced Engineer Technician Title February 29, 2000 Date	
	<sup>18</sup> 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.	
Date of Survey		
Signature and Seal of Professional Surveyor:		
Certificate Number		