

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS RECEIVED

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

BLM

99 JUL -6 PM 3:54

SUBMIT IN TRIPLICATE - Other instructions on reverse side

070 FARMINGTON, NM

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.

8. Well Name and No.

JICARILLA APACHE

8

9. API Well No.

30-039-06280

10. Field and Pool, or Exploratory Area

BASIN DAKOTA

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

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 RECOMPLETE IN THE PICTURED CLIFFS AND DUAL WITH THE EXISTING BASIN
DAKOTA AS PER THE ATTACHED PROCEDURE

RECEIVED
OCT 29 1999

OIL CON. DIV.
FBI-3

99 JUL 21 11:01:07

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

R. J. LONGMIRE

Walter Dineen

Title

DRILLING SUPERINTENDENT

Date

6/30/99

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Patricia M. Hester

Title

Land and Mineral Resources

Date

10-16-99

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)

*)
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

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

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

RECEIVED
BLM

99 JUL -6 PM 8:54 AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT, FARMINGTON, NM

¹ API Number 30-039-0628	² Pool Code	³ Pool Name South Bluffs PICTURED CLIFFS
⁴ Property Code 6414	⁵ Property Name JICARILLA APACHE	⁶ Well Number 8
⁷ OGRID No. 14021	⁸ Operator Name Marathon Oil Company	⁹ Elevation 6673' KB

¹⁰ Surface Location									
UL or lot no. P	Section 27	Township 26-N	Range 5-W	Lot. Idn	Feet from the 990	North/South Line SOUTH	Feet from the 990	East/West line EAST	County RIO ARRIBA

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

¹² Dedicated Acres 160	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: <u>W. J. Longmire</u> Printed Name: <u>R. J. LONGMIRE</u> Title: <u>DRILLING SUPERINTENDENT</u> Date: <u>6/30/99</u>
				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. Date of Survey: _____ Signature and Seal of Professional Surveyer: _____ Certificate Number: _____

WORKOVER PROCEDURE

Jicarilla Apache #8

Jicarilla Field

990' FSL & 990' FEL

Section 27, T-26-N, R-5-W

Rio Arriba County, New Mexico

Date: June 9, 1999

Purpose: Recomplete to the Pictured Cliffs

GWI: 100%

NRI: 87.5%

AFE #: 308599

AFE Amount: \$145,000

AFE Days: 10

Elevations: KB: 6673'

GL: 6660'

TD: 7520'

PBTD: 7493' (Tagged fill @ 7468' - 1/99)

Surface Csg: 10-3/4" 32.75# H-40 @ 169' cmt'd w/ 125 sks (circulated)

Intermediate Csg: 7" 20# J-55 @ 3070' cmt'd w/ 100 sks (TOC @ 2340' by temperature survey)

Production Csg: 4-1/2" 11.6# J-55 ST&C & LT&C @ 7511' cmt'd w/ 343 sks in 2 stages w/ DV tool @ 5597'
(1st stg 120 sks - DNC, 2nd stg 223 sks - TOC @ 2975' by temperature survey)
[Drift = 3.875" 80% Burst = 4280 psi]

Tubing: 229 jts 2-3/8" 4.7# J-55 EUE 8rd tubing @ 7430'

Wellhead: Rector 10" 3000 x 6" 3000 Tubing Spool

Perforations: Graneros: 7258-62' (2 SPF)

Dakota: 7348-7402', 7421-90' (2 SPF)

Anticipated BHP: 300 psi in the Pictured Cliffs - 160
500 psi in the Dakota - 220

Comments: 1) Use 2% KCl in all workover fluids.

2) Use 2-7/8" 6.5# J-55 tubing for workstring. [Drift = 2.347" 80% Burst = 5808 psi]

PROCEDURE

1. Inspect location and improve if necessary. Test safety anchors to 22,500#.
2. MIRU PU. ND wellhead. NU 7-1/16" BOP w/ pipe rams for 2-3/8" tbg on top & 2 valves below blind rams on bottom. Function test BOP. RIH & tag bottom with 2-3/8" tubing to check for fill, then POOH.
3. RIH w/ 4-1/2" RBP & packer and set RBP @ $\pm 5450'$. Set pkr & pressure test RBP to 1000 psi. Dump 2 sacks sand on RBP. Pressure up on annulus & test casing & pipe rams to 500 psi. If casing doesn't test, PUH w/ packer testing casing until leak is found. Squeeze casing leak as per recommendation, then drill out and test.
4. Run GR-CBL-CNL across the interval $\pm 5450-2950'$. Correlate with Schlumberger Formation Density Log dated 12/26/66. If cement is not apparent across the interval 3000-3200', perforate casing w/ 4 shots @ $\pm 3250'$. RIH w/ cement retainer & set @ $\pm 3200'$. Attempt to circulate cement to surface behind 4-1/2" casing. If cement won't circulate, log w/ GR-CBL across desired interval to determine if a block squeeze above the zone is necessary. If so, squeeze as per recommendation, then drill out retainer(s) and test squeeze(s).
5. Selectively perforate the Pictured Cliffs in the gross interval $\pm 3070-3130'$ w/ 3-1/8" slick guns loaded 4 SPF @ 90° phasing using 19 gram charges. Actual perfs to be picked off CNL. RD WL.
6. Change pipe rams to 2-7/8". RIH w/ 4-1/2" packer on 2-7/8" tubing & set @ $\pm 3000'$. Hydrotest tbg in hole to 5500 psi.
7. RU stimulation company. Pump 500 gallons 15% HCl spearhead acid to breakdown Pictured Cliffs perfs, then sand fracture stimulate perfs as per recommendation with approximately 100,000# 20/40 sand using 70 quality nitrogen foam @ 25-30 BPM and 5000 psi maximum pressure. Actual job design may vary slightly depending on exact interval perforated. Tag all sand stages w/ radioactive isotopes. RD stimulation company.
8. Flow back load. RU slickline. Run SpectraScan log across interval 3300-2900'. RD slickline. POOH with packer and LD 2-7/8" tubing.
9. Change pipe rams to 2-3/8". RIH w/ retrieving head on 2-3/8" tubing. Wash / bail sand off RBP @ $\pm 5450'$. Retrieve RBP & POOH.
10. RIH w/ 4-1/2" packer w/ on-off tool on 2-3/8" tubing w/ 3800' of 1.66" OD tbg on bottom of pkr & set @ $\pm 3500'$ (end of 1.66" tbg will be @ $\pm 7300'$). POOH LD 2-3/8" tbg. Change pipe rams to 1.66". RIH w/ $\pm 3500'$ of 1.66" tbg for Dakota & engage w/ on-off tool. RIH w/ 1.66" tbg for Pictured Cliffs & land @ $\pm 3100'$. ND BOP. NU dual wellhead. RDMO PU.
11. Hook up both sides to their respective meter runs and place well on production.

XC: D. K. Barker
G. W. Donaghey
W. J. Dueease
T. P. Kacir

G. D. Muse
W. S. Landon
R. J. Longmire
R. Skinner