

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.

00 JUL 12 1900

SUBMIT IN TRIPLICATE - Other instructions on reverse side

ALBUQUERQUE, N.M.

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)

Sec. 27, T-26-N, R-5-W, UL "B"

1100' FNL & 1550' FEL, Rio Arriba 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 # 10

Tract # 251

9. API Well No.

30-039-08120

10. Field and Pool, or Exploratory Area

Gallup

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

☐ 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

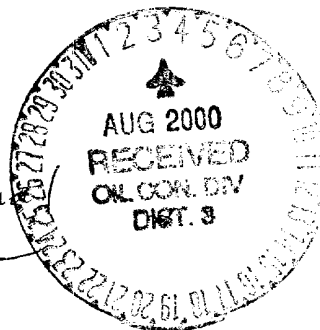
☐ Well Integrity

☐ 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 ADD GALLUP PERFS AND STIMULATE AS PER ATTACHED PROCEDURE.DOWN HOLE COMMINGLE
HAS BEEN APPROVED AS OF APRIL 24TH 2000, ADMINISTRATIVE ORDER # 2716.

Marathon needs to submit allocation
percentages and GOR for Gallup integrity



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

Jerry Fletcher

Title

ENGINEER TECH.

Date 7-05-00

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/s/ Brian W. Davis

Titles and Mineral Resources

Date JUL 31 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.

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

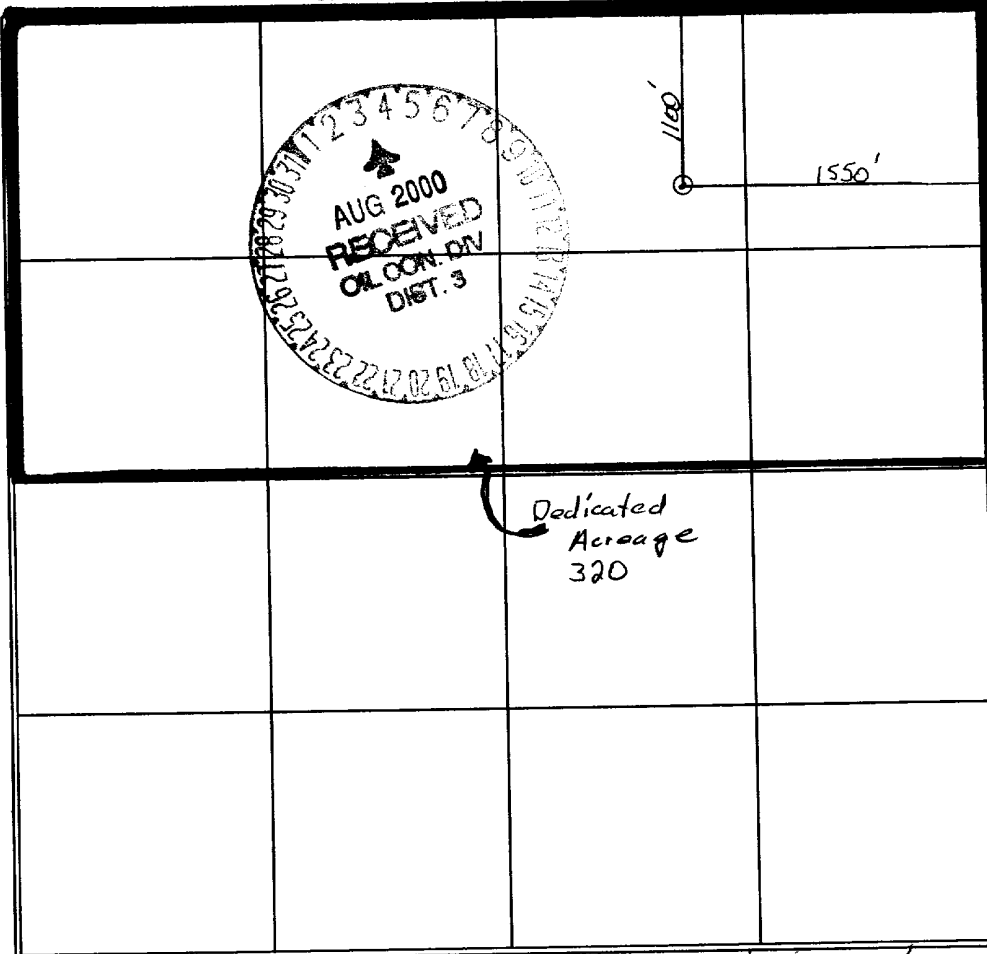
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-08120		² Pool Code 58090	³ Pool Name TAPACITTO GALLUP
⁴ Property Code 6414	⁵ Property Name JICARILLA APACHE		⁶ Well Number 10
⁷ OGRID No. 14021	⁸ Operator Name Marathon Oil Company		⁹ Elevation G.L. 6538

¹⁰ Surface Location									
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
"B"	27	26-N	5-W		1100'	NORTH	1550'	EAST	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 320 N/2		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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.

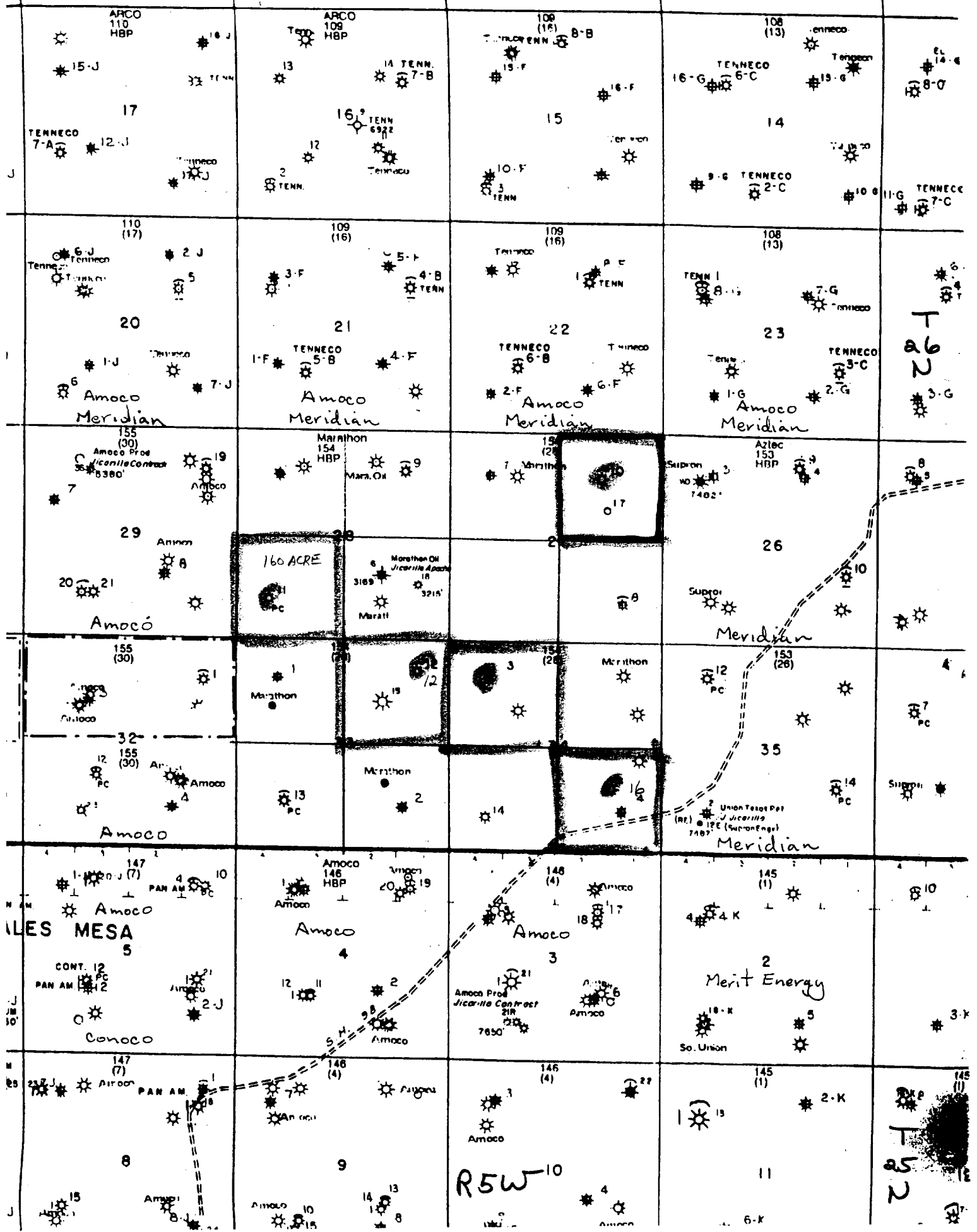
Jerry Fletcher
Signature
JERRY FLETCHER
Printed Name
ENGINEER TECH
Title
07-05-00
Date

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

OCD Needs GOR for Gallup to determine dedicated acreage

Jicarilla Apache



WORKOVER PROCEDURE

Jicarilla Apache #10

Jicarilla Field

1100' FNL & 1550' FEL of Sec.27, T-26-N, R-5-W
Rio Arriba County, New Mexico

Date: May 17, 2000

Purpose: Recomplete in the Gallup and DHC

GWI: 100%

NRI: 87.5%

AFE #: 592500

AFE Amount: \$131,800

AFE Days: 9

Elevations: KB: 6525'

GL: 6538'

TD: 7500'

PBTD: 7470'

Spud Date: 11-16-66

Surface Csg: 9-5/8" 32.3# H-40 @ 459' cmt'd w/ 525 sks (circulated)

Production Csg: 4-1/2" 11.6# J-55 @ 7494' cmt'd in 3 stages w/ 1070 sks w/ DV tools @ 5560' & 3476'
Circulated cement off each DV tool and to surface on final stage.
[Drift (11.6#) = 3.875" 80% Burst (11.6#, J-55) = 4280 psi]

Tubing: Baker Model "D" packer with flapper @ 7120', flow tube, seal assembly, "F" nipple, 1 jt 2-3/8" tbg, Model "L" sliding sleeve, 131 jts 2-3/8" tubing, 2 blast jts, pup jt & 94 jts 2-3/8" 4.7# H-40 tubing
(80% of ratings for H-40 are; Burst = 4480 psi, Tension = 41,736#, Torque = 990 ft-lb)

Perforations: Channel Sqz Perfs: 2819 – 20' (Squeezed w/ 175 sks, pressure tested to 1600 psi, & swab tested)
Pictured Cliffs: 2968 – 2990' (66 shots)
Cliffhouse: 4688 – 4708' (80 shots - Squeezed w/ 150 sks & swab tested)
Dakota: 7154 – 7382' (64 shots)

Anticipated BHP: ±500 psi in the Dakota
±200 psi in the Pictured Cliffs
±2000 psi (estimated original pressure) in the Gallup

Comments: 1) Use 2% KCL in all workover fluids.
2) Use 2-7/8" N-80 tubing as work string.
3) Will need ±300' of additional 2-3/8" production tubing.

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 2-3/8" production tubing. Change pipe rams to 2-7/8". RIH w/ 4-1/2" 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. RIH and pull RBP.
3. 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 7470' if possible, if not then RIH w/ spear and jars and fish packer.
4. RIH with packer and RBP to ±7000'. Set RBP @ ±7000' and test to 2500 psi. Spot ~10' sand on top of RBP. POOH.
5. RU electric line company. NU & test lubricator to 2000 psi. Run GR-CCL log across interval ±7000-6000'. Use Schlumberger Compensated Formation Density log dated 11/29/66 for correlation. RIH w/ 3-1/8" casing guns loaded 1 SPF @ 0 degree phasing w/ premium charges & perforate the Gallup as follows: 6337', 39', 41', 49', 51', 77', 79', 88', 90', 92', 6427', 48', 57', 59', 70', 73', 76', 95', 6543', 52', 59', 71', 82', 6608', and 12' (25 shots). POOH & RD EL.
6. RIH with treating packer on 2-7/8" WS. Hydro-test tbg below slips to 8000 psi. Set pkr @ ±100' above Gallup perfs.
7. RU flowback line to frac tank. RU stimulation company. Hold safety meeting. Test lines to 8000 psi. Break down perfs with 1250 gals 15% HCl acid. Stimulate Gallup as per recommendation using 100,000# of 20/40 sand. Limit maximum treating pressure to 7500 psi. Flow back well immediately between 1 and 2 BPM. RD stimulation company.
8. If well will flow then RU test unit and flow test Gallup for a minimum of 6 hours. If well will not flow, RIH w/ sinker bar & tag sand. Release packer & POOH w/ 2-7/8" tubing. RU foam air unit. RIH w/ notched collar and clean out to RBP @ ±7000'. Continue jetting well until it makes no more than 1 BPH water and no sand. Clean out to RBP as necessary. POOH. RIH w/ packer & set above Gallup perfs. Swab well in and establish stable flow rate. RU test unit and flow test Gallup for a minimum of 6 hours. POOH.
9. RIH w/ retrieving head and pull RBP @ ±7000'. POOH with RBP laying down 2-7/8" WS. (Note: Expect gas bubble and/or loss of hydrostatic head when RBP is released.)
10. RIH w/ notched collar, mud joint and seating nipple on 2-3/8" production tubing. Land SN @ ±7300'. ND BOP. NU wellhead. Swab well in as necessary. RDMO PU. Turn well over to production.

XC: D. W. Arnst
D. K. Barker
M. D. Bidwell

J. A. Bucci
G. W. Donaghey
W. J. Dueease

T. P. Kacir
W. S. Landon
R. J. Longmire

R. Skinner
Well File

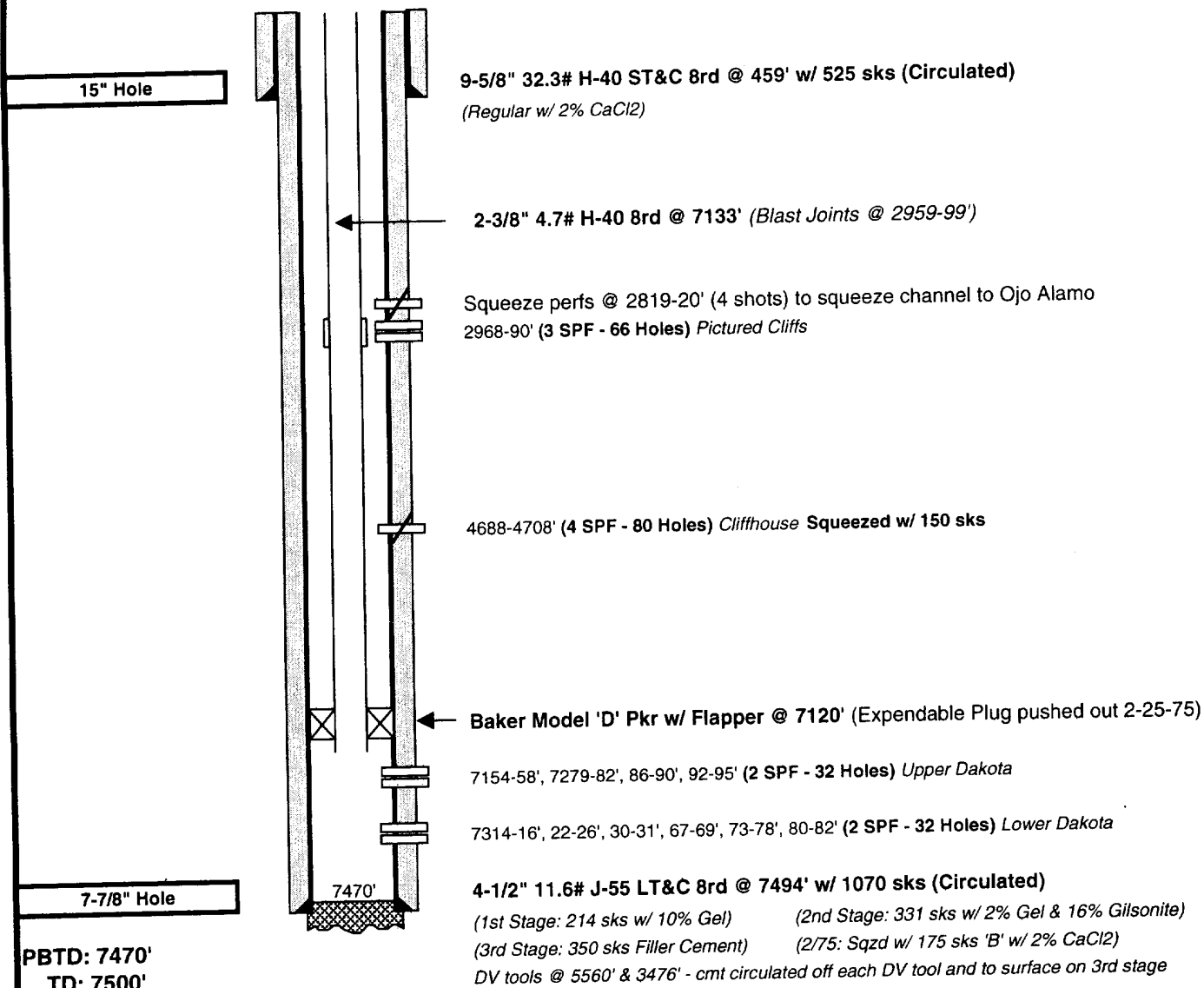


MARATHON OIL COMPANY
MID-CONTINENT REGION
MIDLAND OPERATIONS NORTHWEST NEW MEXICO

FIELD: JICARILLA
LEASE: JICARILLA APACHE
COUNTY: RIO ARRIBA

DATE: 08/23/99
BY: TL CHASE
Rev: 3-28-2000 mdb
WELL: 10
STATE: NEW MEXICO

API: 30-039-08120 REACHED TD: 11/28/66 GL = 6525'
SPUD DATE: 11/15/66 COMPLETED: 12/27/66 KB = 6538'
LOCATION: 1100' FNL & 1550' FEL, SEC 27, TOWNSHIP 26N, RANGE 5W, UNIT LETTER "B"



Well History

Dec '66 Perf'd Lower Dakota (2 SPF - 32 Holes) @ 7314-16', 22-26', 30-31', 67-69', 73-78', & 80-82'. Acidized w/ 500 gal MCA. Frac'd w/ 78,372 gal 1% KCl water w/ 60,000# 20-40 sand. Perf'd Upper Dakota (2 SPF - 28 Holes) @ 7154-58', 79-82', 86-90', & 92-95'. Acidized Upper Dakota w/ 500 gal MCA. Frac'd w/ 64,722 gal water w/ 60,000# 20-40 sand. Perf'd Cliffhouse (4 SPF - 80 Holes) @ 4688-4708'. Acidized Cliffhouse w/ 1000 gal 15% HCl BDA. Cliffhouse perms tested unproductive. Sqzd Cliffhouse 4688-4708' w/ 200 sks 'C' w/ 0.8% Halad-9. DOC. Pushed CIBP to 7470'. Turned to production flowing from Upper/Lower Dakota.

Jan '75 Re-perf'd Cliffhouse (2 SPF - 40 Holes) @ 4688-4708'. Acidized w/ 500 gal 15% HCl. Frac'd w/ 69,500 gal water w/ 50,000# 20-40 sand & 26,000# 40-60 sand. Tested unproductive. Squeezed w/ 150 sks. DOC.

Feb '75 Perf'd Pictured Cliffs (3 SPF - 66 Holes) @ 2968-90'. Frac'd w/ 44,730 gal 2% KCl water w/ 37,500# mesh sand. Perf'd 4 squeeze holes @ 2819-20'. Sqzd w/ 175 sks to squeeze channel to Ojo Alamo. Returned to production flowing from Pictured Cliffs/Dakota.