

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.

5. Lease Serial No.
000154

6. If Indian, Allottee or Tribe Name
Jicarilla Apache

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

8. Well Name and No.
Jicarilla Apache 11-E

9. API Well No.
30-039-22460

10. Field and Pool, or Exploratory Area
Mesaverde/ Basin Dakota

11. County or Parish, State
Rio Arriba N.M.

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)
915-687-8357

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**Sec. 28, T-26-N, R-5-W
955' FNL & 1685' FWL
Rio Arriba County, N.M.**

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input 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 recomplate 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 recompletion 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 is proposing to set 4-1/2" CIBP over the existing Dakota Perfs. The Mesaverde perfs will be shot, acidized and a frac performed as per attached workover procedure.

A DHC permit application was submitted as of June 11th 2001 to commingle the Mesaverde and the Basin Dakota.

After receiving approval for the DHC Marathon will proceed to drill out the CIBP @ 5500' and Commingle the zones.



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

Name (Printed/Typed) **Jerry Fletcher** Title **Engineer Tech.**

Jerry Fletcher Date **7/03/01**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by **/s/ Brian W. Davis** Title **Lands and Mineral Resources** Date **JUL 27 2001**

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.

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.

WORKOVER PROCEDURE

Jicarilla Apache #11E

955' FNL & 1685' FWL of Sec. 28, T-26-N, R-5-W
Rio Arriba County, New Mexico

Date: June 11, 2001

Purpose: Add Mesaverde pay and DHC

GWI: 100% NRI: 87.5%

AFE #: 5??700

AFE Amount: \$180,000

AFE Days: 10

KB: 6482'

GL: 6470'

TD: 7335'

PBTD: 7303'

Surface Csg: 9-5/8" 36# K-55 @ 494' cmt'd w/ 450 sks (Circulated)

Intermediate Csg: 7" 20# K-55 @ 3037' cmt'd w/ 250 sks (Circulated)

Production Csg: 4-1/2" 10.5# & 11.6# K-55 @ 7335' cmt'd with 220 sks in two stages with DV tool @ 6085'
(TOC @ 4409' by CBL) [Drift (11.6#) = 3.875" 80% Burst (10.5# = 3832 psi)

Tubing: 229 jts + subs 2-3/8" J-55 EUE tubing with API seating nipple @ 7265'

Perforations: Dakota: 7041 - 7269' (12 holes)

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

Comments: 1) Use 2% KCl in all workover fluids
2) Use 2-7/8" 6.5# N-80 tubing as workstring (Drift = 2.347", 80% Burst = 8456 psi)

PROCEDURE

1. Inspect location and improve if necessary. Install and test safety anchors to 22,500#.
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 2-3/8" production tubing. RIH with 4-1/2" RBP & setting tool on 2-3/8" tbg. Set plug at ±250'. Test pipe rams to 1500 psi. Release from plug. POOH with setting tool. Test blind rams to 1500 psi. RIH & release plug. POOH. RIH w/ 3-7/8" bit, 4-1/2" casing scraper to PBTD 7303'. POOH.
3. RU electric line. NU and test lubricator to 1500 psi. RIH with 4-1/2" CIPB & set @ ±5500'. Load casing and test plug to 1000 psi. Run GR-CCL strip across interval ±5500-3500'. Use Gearhart GR-CNL-CDL dated 9/17/80 and 10/5/80 for correlation. Perforate the Mesaverde with 3-1/8" select-fire guns loaded 2 SPF @ 120 degree phasing with premium charges as follows: 4787', 90', 98', 4832', 54', 60', 65', 96', 4926', 62', 5010', 18', 28', 50', 58', 63', 68', 73', 80', 84', 87', 95', 5100', 05', 14', 19', 43', 66', 81', & 94' (60 shots). POOH & RD electric line.
4. RIH with 4-1/2" PPI assembly with 30' spacing on 2-7/8" workstring and breakdown Mesaverde perms using 50 gallons of 15% HCl per perforated foot {1500 gallons total acid}. POOH with PPI assembly.
5. RIH with 4-1/2" packer on 2-7/8" workstring (hydrotesting tubing in hole to 7000 psi) and set @ ±4700. RU for immediate flow back. RU stimulation company. Hold safety meeting. Test lines to 7000 psi. Pressure up tubing x casing annulus to 500 psi. Sand fracture stimulate Mesaverde perms as per recommendation @ 25-30 BPM using 120,000?# of 20/40 sand. Limit maximum treating pressure to 6000 psi. Flow back well immediately between 1 and 2 BPM. RD stimulation company. Continue flowback until well dies or cleans up.
6. If well will flow, RU test unit and flow test Mesaverde for a minimum of 6 hours. If well will not flow, POOH with packer. If commingling permit is approved, RIH with 3-7/8" bit and drill collars as in Step #7 and CO to CIBP @ ±5500', but do not drill out CIBP until after jetting in well and obtaining flow test. If commingling permit is not yet approved, RIH as in Step #8 and CO to CIBP @ ±5500', then PUH to ±5200' and place well on production.
7. RIH with 3-7/8" bit and drill collars. Drill out CIBP @ ±5500' and CO to PBTD @ 7303'. Jet well until free of sand and water production is 1 BPH or less. (Expect gas bubble and/or loss of hydrostatic head when BP is drilled out).
8. RIH with notched collar, mud joint and seating nipple on 2-3/8" production tubing. CO to PBTD @ 7303'. Land EOT @ ±7250'. ND BOP. NU wellhead. Swab well in as necessary. RD PU. Turn well over to production.

XC: M. D. Bidwell
K. C. Holt
D. Skinner

R. G. Fletcher
W. S. Landon
B. Teller

P. M. Hedderman
R. J. Longmire
Well File

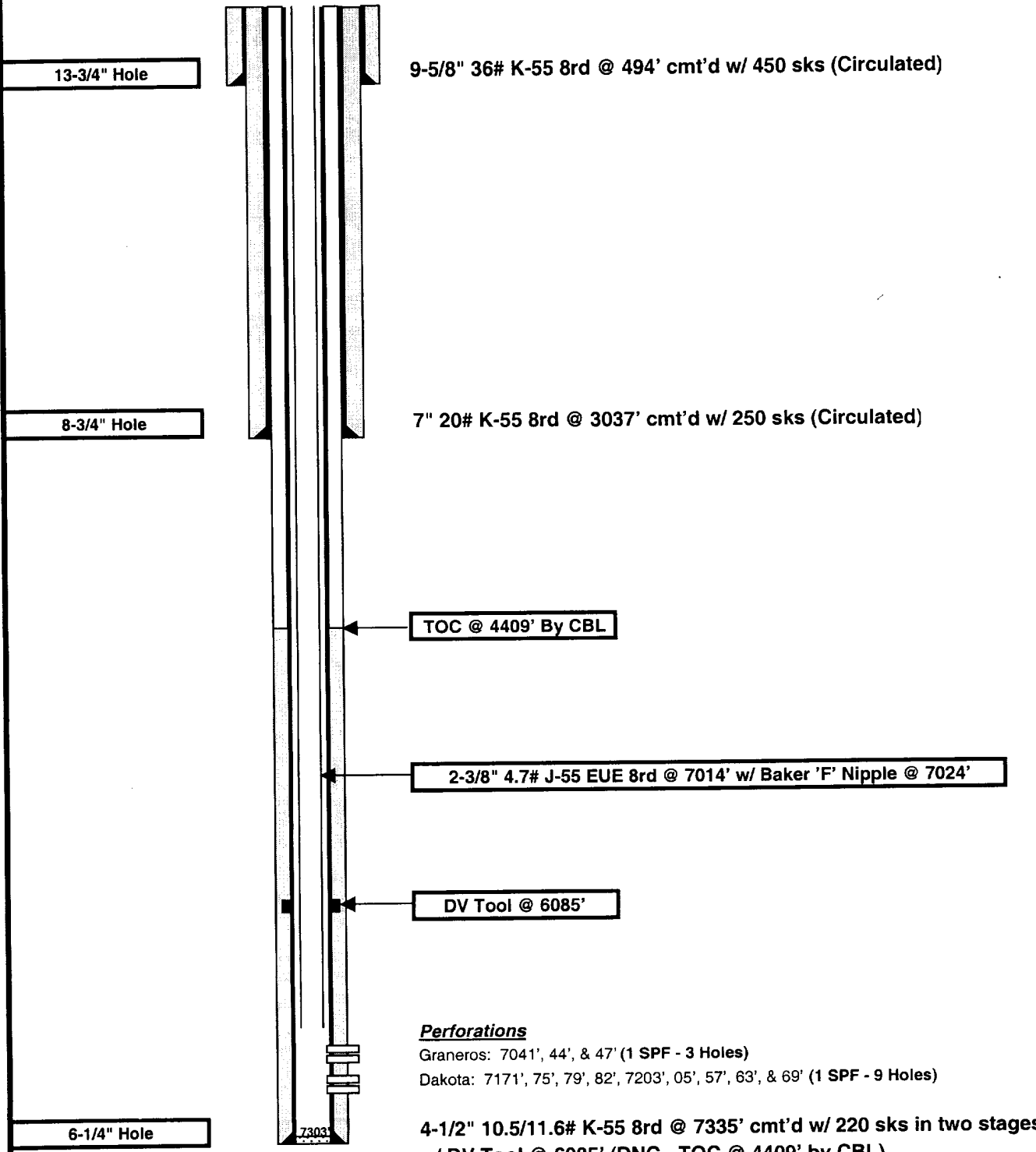


MARATHON OIL COMPANY
MID-CONTINENT REGION
MIDLAND OPERATIONS NORTHWEST NEW MEXICO

FIELD: JICARILLA
 LEASE: JICARILLA APACHE
 COUNTY: RIO ARRIBA

DATE: 08/25/99
 BY: TL CHASE
 WELL: 11E
 STATE: NEW MEXICO

API: 30-039-22460 REACHED TD: 10/07/80 GL = 6470'
 SPUD DATE: 09/12/80 COMPLETED: 02/06/81 KB = 6482'
 LOCATION: 955' FNL & 1685' FWL, SECTION 28, TOWNSHIP 26N, RANGE 5W, UNIT LETTER "C"



Perforations

Graneros: 7041', 44', & 47' (1 SPF - 3 Holes)
 Dakota: 7171', 75', 79', 82', 7203', 05', 57', 63', & 69' (1 SPF - 9 Holes)

4-1/2" 10.5/11.6# K-55 8rd @ 7335' cmt'd w/ 220 sks in two stages
 w/ DV Tool @ 6085' (DNC - TOC @ 4409' by CBL)

PBTD: 7303'
 TD: 7337'

Well History

Dec '80	Perf'd Graneros (1 SPF) @ 7041', 44, & 47'. Perf'd Dakota (1 SPF) @ 7171', 75', 79', 82', 7203', 05', 57', 63', & 69'.
Jan '81	Acidized Graneros/Dakota 7041-7269' w/ 1200 gal 15% HCl w/ 24 BS. Frac'd w/ 100,380 gal X-L gelled water w/ 120,000# 20-40 sand & 7,000# 10-20 sand. Turned to production flowing up 2-3/8" tubing. IP = 403 mcfpd + 14 bopd.
Sep '99	Cleaned out fill to PBTD @ 7303'.