

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.

1 S.
Mesia, NM

FORM APPROVED
Budget Bureau No. 1004-0135
Expires July 31, 1996

5. Lease Serial No.

LC-047633(A)

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Marion Federal No. 1

9. API Well No.

30-015-26093

10. Field and Pool, or Exploratory Area
Tamano Field

11. County or Parish, State

Eddy Co. 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

- | | | | |
|---|--|--|---|
| <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 type="checkbox"/> Recomplete | <input type="checkbox"/> Other |
| <input type="checkbox"/> Change Plans | <input checked="" 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.)

The Marion Fed. No. 1 is currently TA'd. Marathon proposes to P&A the well per the attached procedure.

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

Bryan L. Williams

Title

Production Engineer

Date

9/2/98

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

(ORIG. SGD.) GARY GOURLEY

PETROLEUM ENGINEER

Date OCT 08 1998

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)

**Marion Federal No. 1
600' FNL & 2100' FEL
Section 14, T-18-S, R-31-E
Tamano Field
Eddy County, NM**

Date: September 1, 1998

Purpose: P&A.

Well Status: TA'd.

Elevation: TD: 8842' PBTD: 3925' (CIBP w/ cmt.) KB: 3738' GL: 3724'

Surface casing: 13-3/8", 48#, H-40, ST&C set at 402'. Cemented with 500 sx. Circulated to surface.

Intermediate Casing: 8-5/8", 24#, K-55, ST&C set at 2408'. Cemented with 1300 sx. Circulated to surface.

Production Casing: 5-1/2", 15.5# & 17#, J-55, LT&C set @ 8842'. 1st stage cemented w/ 360 sx. 2nd stage cemented with 1440 sx. Circulated to surface.

<u>Size/Wt.</u>	<u>I.D.</u>	<u>Drift I.D.</u>	<u>Burst</u>	<u>Collapse</u>	<u>Capacity</u>
5-1/2", 15.5#, J-55	4.950"	4.825"	4810 psig	4040 psig	0.0238 bbl/ft
5-1/2", 17#, J-55	4.892"	4.767"	5320 psig	4910 psig	0.0232 bbl/ft

Tubing: 2-3/8", 4.7#, L-80 1.995" 1.901" 11,200 psig 11,780 psig
Note: There is no tubing in the hole. The above information is for a workstring.

CIBP @ 3960' w/ 5 sx cmt. top est. @ 3925'. CIBP @ 7885' w/ 5 sx cmt.
CIBP @ 8000' w/ 2 sx cmt. set by previous operator & unreported.

Perforations: Grayburg: 4091-93'; 4103-05'; 4131-32'; 4138-40'; 4147-48' & 4168-78'
Bone Springs: 8043-116' & 8153-294' (2 spf - 174 shots)

Pressure Information: Grayburg: Est. SIBHP - 1700 psig
Bone Springs: Est. SIBHP - 1000 psi

Safety Considerations: Run killstring when necessary. Install H2S monitoring, alarm and rescue equipment. Hold tailgate safety meeting prior to all operations.

Procedure:

1. Submit P&A procedure to the BLM & OCD for approval. Upon approval, provide 24 hour notification to both agencies & proceed w/ step 2.

2. MIRU Dawson PU.
3. ND wellhead. NU manual BOP w/ 2-3/8" pipe rams.
4. PU & RIH w/ 4' perf'd sub on 2-3/8" tbg. workstring. Tag PBTD @ +-3925'.
5. Circulate hole w/ +-100 bbls 9.8 ppg mud.
6. PU & establish BOT @ 2525'.
7. Spot 25 sx Class 'C' cmt. across 8-5/8" casing shoe @ 2408'.
8. POOH w/ 15 stands of 2-3/8" tbg.
9. SD & WOC.
10. Notify OCD at least 24 hours prior to proceeding w/ step 11.
11. RIH w/ 2-3/8" tbg. Tag TOC estimated @ 2255'.
Note: TOC must be greater than 50' above the 8-5/8" casing shoe @ 2408'. Spot additional cement if necessary.
12. POOH & LD +- 57 jts. of 2-3/8" tbg. Establish BOT @ 500'.
13. Spot 25 sx Class 'C' cmt. across 13-3/8" casing shoe @ 402'.
14. POOH & LD 15 stands of 2-3/8" tbg.
15. SD & WOC.
16. Notify OCD at least 24 hours prior to proceeding w/ step 17.
17. RIH w/ 2-3/8" tbg. Tag TOC estimated @ 230'.
Note: TOC must be greater than 50' above the 8-5/8" casing shoe @ 402'. Spot additional cement if necessary.
18. POOH & LD +-3 jts. of 2-3/8" tbg. Establish BOT @ 125'.
19. Circulate +-15 sx Class 'C' cmt. to surface.
20. POOH & LD 2-3/8" tbg. Spot cement to refill hole.
21. ND BOP.
22. Remove intermediate wellhead.
23. Cutoff 8-5/8" csg. 3' below ground level and weld on plate.
24. Install P&A maker per BLM & NMOCDC regulations. Marker shall be 4" by 4" above mean ground level w/ operator name, lease name, well number, and location welded into the metal marker.

25. Remove fluid from and fill all pits. Level and clean location.
26. Contact and file all subsequent reports to the appropriate regulatory agencies.

Cement Schedule

Cement Plug	Bottom (ft)	Top (ft)	Reason for Plug
1	2525	2255	8-5/8" casing shoe @ 2408'
2	500	230	13-3/8" casing shoe @ 402'
3	125	Surface	Surface Plug

Approvals: _____
G.D. Muse
Northwest Operations Production Supervisor

Approvals: _____
T.W. Hallum
Construction & Maintenance Supervisor

Approvals: _____
J.L. Patterson
Production Supervisor

Approvals: _____
R. Skinner Jr.
Technician – Rig Supervisor

Dist.: Midland Wellfile
Hobbs Wellfile

CURRENT

API# 30-015-26093
LEASE # LC-047633(A)

FIELD TAMANO (BONE SPRINGS)

LEASE AND WELL NO: MARION FEDERAL #1

COUNTY AND STATE: EDDY, CO. NEW MEXICO

LOCATION: UL B. 800' FNL & 2100' FEL
SEC. 14, TWP. 18-S, RNG. 31-E

WELL STATUS:

ID: 8842' PHID: 3925' GL: 3724 KB: 3738

SURFACE CASING: 13 3/8", 48#, H-40 ST&C,
Ø 402. CMT WITH 500 SX
CIRC TO SURF

INTERMEDIATE CASING: 8 5/8", 24#, K-55 ST&C,
Ø2408". CMT WITH 1300 SX
CIRC TO SURF.

PRODUCTION CASING: 5 1/2" 15.5# & 17#, J-55, LT&C
Ø 8842'. CMT 1ST STAGE 380 SX
2ND STAGE 1440 SX. CIRC TO SURF
MAX PRESSURE RATING 4810'

TUBING: NONE

PRODUCTION METHOD:

REIDS: NONE

DOWNHOLE PUMP: NONE

PUMPING UNIT: NONE

SUBMERSIBLE PUMP: NONE

COMPLETION INTERVAL: 8043'-8116' 25 HOLES 2JSPF
8153'-8294' 149 HOLES 2JSPF

HISTORY:

SPUDDED 4-4-89. COMPLETED 8042'-8294' SELECTIVELY
STIMULATED 8153'-8294' 37800 GALLONS 20 % GELLED ACID
WITH 100 BALL SEALERS

STIMULATED 8043'-8116' 3500 GALLONS 20 % GELLED ACID WITH
75 BALL SEALERS

7-8-90: REED AND STEVENS OPERATOR SET CIBP W/2SX CMT
Ø 8000'. PERFED AND TESTED DRY 4091-93, 4103-05
4131-32, 4138-40, 4147-48, 4168-78.

10-8-93: MARATHON OPERATOR ATTEMPTED TO SET CIBP Ø 8000'
AND TEST CASING. FOUND OUT AFTER SETTING PLUG THAT
PREVIOUS OPERATOR HAD SET PLUG AND PERFED WELL
WITHOUT PUTTING IN HISTORY OR REPORTING TO BLM.
SET CIBP Ø 3960' W/5SX CMT. TESTED CSG TO 500 PSIG FOR 30
MIN WITH 20 PSI BLEED OFF. RECEIVED TA APPROVAL FROM
BLM.

13 3/8" Ø 402
17 1/2" HOLE

8 5/8" Ø 2408'
11" HOLE

CIBP Ø 3960' W/ 5 SX CMT
EST PBTD Ø 3925'

4091-93, 4103-05
4131-32, 4138-40
4147-48, 4168-78

10-8-93
CIBP Ø 7885' W/5SX CMT

7-8-90
CIBP Ø 8000' W/2SX CMT
SET BY PREVIOUS OPERATOR
AND UNREPORTED

PERFS 8043-8116

PERFS 8153-8294

5 1/2" 8842'
7 7/8" HOLE

TD Ø 8842'

PBTD Ø
8763'

API# 30-015-26093
LEASE # LC-047633(A)

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 @ 8842'. CMT 1ST STAGE 380 SK
 2ND STAGE 1440 SK. CIRC TO SURF
 MAX PRESSURE RATING 4810'

TUBING: **NONE**

PRODUCTION METHOD

BLIDS: **NONE**

DOWNHOLE PUMP: NONE

PUMPING UNIT: NONE

SUBMERSIBLE PUMP: NONE

COMPLETION INTERVAL: 8043'-8116' 25 HOLES 2JSPF
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HISTORY:

SPUDED 4-4-89. COMPLETED 8042'-8294' SELECTIVELY
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WITH 100 BALL SEALERS

STIMULATED 8043-B116 3500 GALLONS 20 X CELLED ACID WITH
75 BALL SEALERS

7-8-90: REED AND STEVENS OPERATOR SET CIBP W/2SX CMT
 @ 8000'. PERFED AND TESTED DRY 4091-93, 4103-05
 4131-32, 4138-40, 4147-48, 4168-78.

10-8-93: MARATHON OPERATOR ATTEMPTED TO SET CIRP @ 8000' AND TEST CASING. FOUND OUT AFTER SETTING PLUG THAT PREVIOUS OPERATOR HAD SET PLUG AND PERFED WELL WITHOUT PUTTING IN HISTORY OR REPORTING TO BLM. SET CIRP @ 3960' W/5SX CMT. TESTED CSG TO 500 PSIG FOR 30 MIN WITH 20 PSI BLEED OFF. RECEIVED TA APPROVAL FROM BLM.

PAKED BY: TOM PRICE 11-15-93

SED BY: BRYAN WILLIAMS 10-1-98