

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-025-09027
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name South Eunice (7R/Q) Unit
8. Well Number 602
9. OGRID Number
10. Pool name or Wildcat South Eunice (7R/Q)
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,453' GL
Pit or Below-grade Tank Application <input checked="" type="checkbox"/> or Closure <input type="checkbox"/>
Pit type STEEL Depth to Groundwater >1 mile Distance from nearest fresh water well >1 mile Distance from nearest surface water >1 mile
Pit Liner Thickness: STEEL mil Below-Grade Tank: Volume 180 bbls; Construction Material STEEL

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☐ Other ☒ **SWD**

2. Name of Operator
Marathon Oil Company

3. Address of Operator
P O Box 552, Midland, Texas 79702

4. Well Location
Unit Letter **M**: **660** feet from the **South** line and **660** feet from the **West** line.
Section **25** Township **25-S** Range **36-E** NMPM **Lea** County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3,453' GL

Pit or Below-grade Tank Application ☒ or Closure ☐

Pit type **STEEL** Depth to Groundwater **>1 mile** Distance from nearest fresh water well **>1 mile** Distance from nearest surface water **>1 mile**

Pit Liner Thickness: **STEEL** mil Below-Grade Tank: Volume **180** bbls; Construction Material **STEEL**

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

7½" @ 203' w/150 sx, circ; 4½" 9.5/11.6# @ 3,798' w/200 sx., TOC 2,200' calc; Queen perfs 3,676 – 3,750';

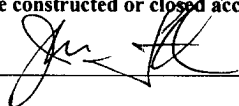
- Notify NMOCD 24 hrs prior to move in, 4 hrs prior to plugs, hold daily tailgate safety mtgs. Set steel pit prior to MI

- Set CIBP @ 3,626'. Circulate hole w/ mud & pumped 25 sx C cmt on CIBP @ 3,626'.
- Pump 25 sx C cmt @ 3,161' (base of salt @ 3,061')
- Perforate 4½" csg @ 1,410', squeeze 40 sx C cmt under packer 1,410 – 1,310' (top of salt @ 1,410') WOC & TAG
- Perforate 4½" csg @ 260', squeeze 40 sx C cmt under packer 260 – 160' (surface casing shoe) WOC & TAG
- Pump 15 sx 60' to surface.
- RDMO. Cut off wellhead & anchors, install dryhole marker, backfill cellar.

Marathon anticipates plugging this well by February 28th, 2006 pending rig availability.

**THE OIL CONSERVATION DIVISION MUST
BE NOTIFIED 24 HOURS PRIOR TO THE
BEGINNING OF PLUGGING OPERATIONS**

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐ or an (attached) alternative OGD approved plan ☐.

SIGNATURE  TITLE engineer, Triple N Services, Inc. DATE 01/19/06

Type or print name James F. Newman, P.E.

E-mail address: jim@triplenservices.com

Telephone No. 432.687.1994

For State Use Only

APPROVED BY: 

OC FIELD REPRESENTATIVE II/STAFF MANAGER JAN 24 2006

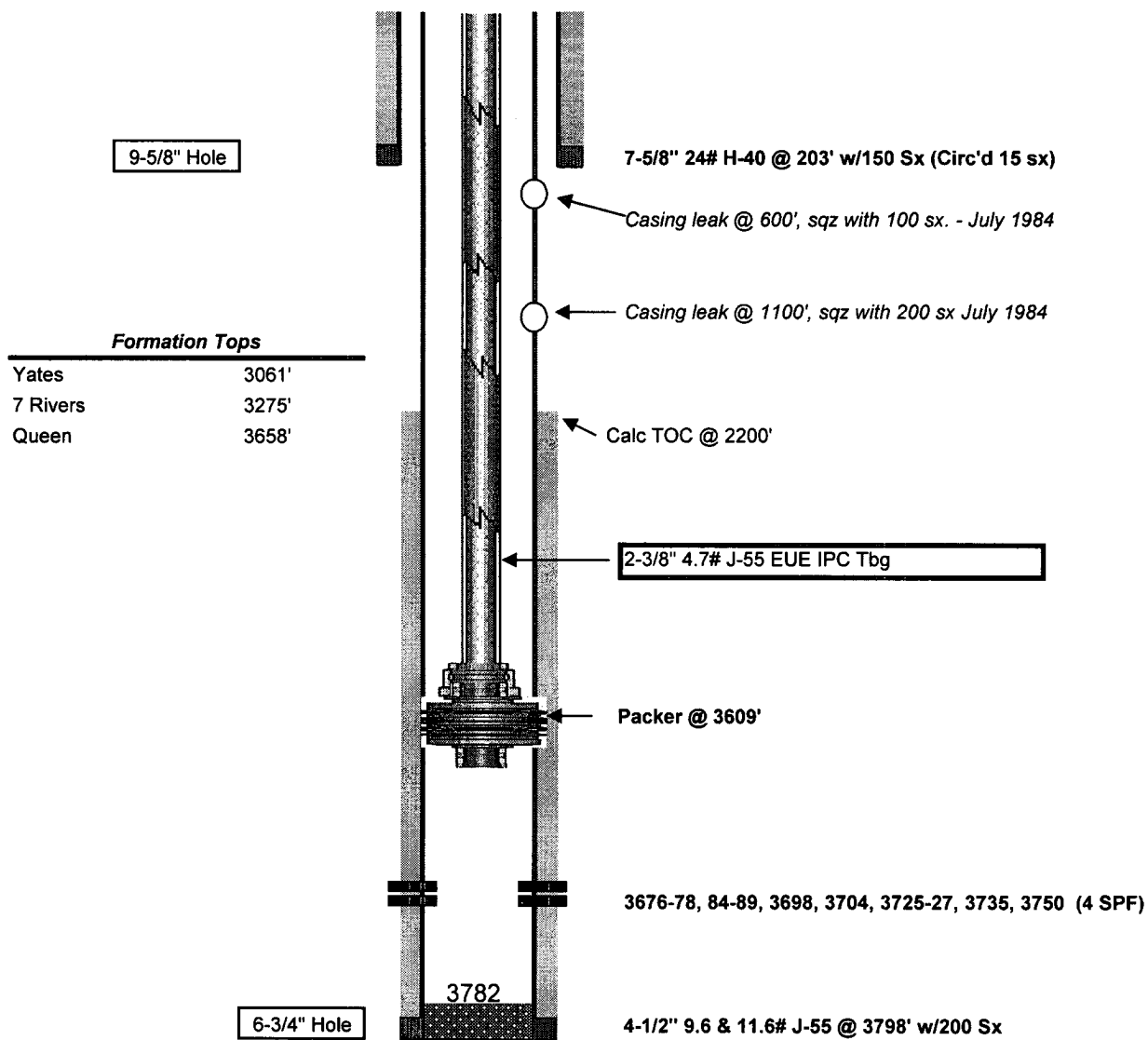
Conditions of Approval (if any):

**Proposed Plugging Procedure
Marathon Oil Company
South Eunice (7R/Q) Unit #602**

**7 $\frac{5}{8}$ " surface casing set @ 203' w/ 150 sx, circulated
4 $\frac{1}{2}$ " 9.5/11.6" production casing set @ 3,798' w/ 200 sx, TOC 2,200' calculated
Queen perforations 3,676 – 3,750'**

- Notify NMOCD 24 hrs prior to move in, and 4 hrs prior to plugs
 - Hold daily tailgate safety meetings w/ crews
 - 2 $\frac{3}{8}$ " IPC tubing & packer @ 3,609'
1. Set 180 bbl steel working pit. MIRU Triple N rig & plugging equipment.
 2. NU BOP and POOH w/ injection tubing.
 3. RIH w/ HM tbg-set CIBP for 4 $\frac{1}{2}$ " casing on 2 $\frac{3}{8}$ " workstring tubing as needed to 3,626'.
 4. RU cementer and set CIBP. Circulated hole w/ plugging mud, and pump 25 sx C cmt (1.32 ft³/sk, 14.8 ppg w/ 6.3 gal/sk, slurry volume 66 ft³) @ 3,626'. **Queen**
 5. POOH w/ tbg to 3,161' and pump 25 sx C cmt (1.32 ft³/sk, 14.8 ppg w/ 6.3 gal/sk, slurry volume 66 ft³) @ 3,161'. POOH w/ tubing. **Base of salt plug**
 6. RIH w/ wireline and perforate 4 $\frac{1}{2}$ " casing @ 1,410'. POOH w/ wireline.
 7. RIH w/ AD-1 packer for 4 $\frac{1}{2}$ " casing to 1,100'. Load hole w/ mud, set packer, and establish rate into perforations at 1,410'. If rate is established, squeeze 40 sx cmt w/ 2% CaCl₂ (1.32 ft³/sk, 14.8 ppg w/ 6.3 gal/sk, slurry volume 59.4 ft³) 1,410 – 1,310'. WOC and tag this plug no deeper than 1,310'. **Top of salt plug**
 8. RIH w/ wireline and perforate 4 $\frac{1}{2}$ " casing @ 260'. POOH w/ wireline.
 9. ND BOP and NU wellhead, establish rate into perforations at 260'. If rate is established, squeeze 40 sx cmt w/ 2% CaCl₂ (1.32 ft³/sk, 14.8 ppg w/ 6.3 gal/sk, slurry volume 99.0 ft³) 260 – 153'. WOC and tag this plug no deeper than 153'. **7 $\frac{5}{8}$ " casing shoe plug**
 10. Pump 15 sx C cmt 60' to surface. RDMO.
 11. Cut off wellhead and install dry hole marker. Cut off anchors and level location.

Well Name & No.		S EUNICE (7R/Q) UNIT 602		Field	SOUTH EUNICE (7 RIVERS/QUEEN)		Date 1/17/06	
County	LEA	API	3002509027	State	NEW MEXICO	By	R S Bose	
Spudded	4/20/1961	Comp Drlg	4/27/1961	Location	660' FS & FWL, Section 25, Township 22S, Range 36E UL "M"			



GL: 3453' KB: 3463'
PBSD: 3782' TD: 3800'

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