

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. 30-025-06823
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 W-S Marshall "B"
8. Well Number 5
9. OGRID Number
10. Pool name or Wildcat Paddock

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 ☐

2. Name of Operator

Marathon Oil Company

3. Address of Operator

P O Box 552, Midland, TX 79702

4. Well Location

Unit Letter **N** : **660** feet from the **South** line and **1980** feet from the **West** line
Section **27** Township **21-S** Range **37-E** NMPM **Lea** County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3,411' GL

Pit or Below-grade Tank Application ☒ or Closure ☐

Pit type **STEEL** Depth to Groundwater _____ 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.

See attached procedure and wellbore diagram.

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 OCD-approved plan ☐.

SIGNATURE  TITLE Petroleum Engineer DATE 12/08/05

Type or print name James F. Newman, P.E. E-mail address: jim@triplenservices.com Telephone No. 432-687-1994

For State Use Only

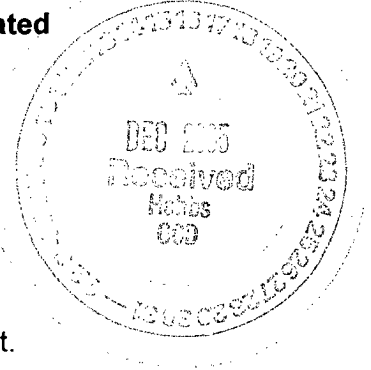
APPROVED BY:  TITLE OC FIELD REPRESENTATIVE II/STAFF DATE DEC 19 2005

Conditions of Approval (if any):

**Proposed Plugging Procedure
Marathon Oil Company
W.S. Marshall "B" #5**

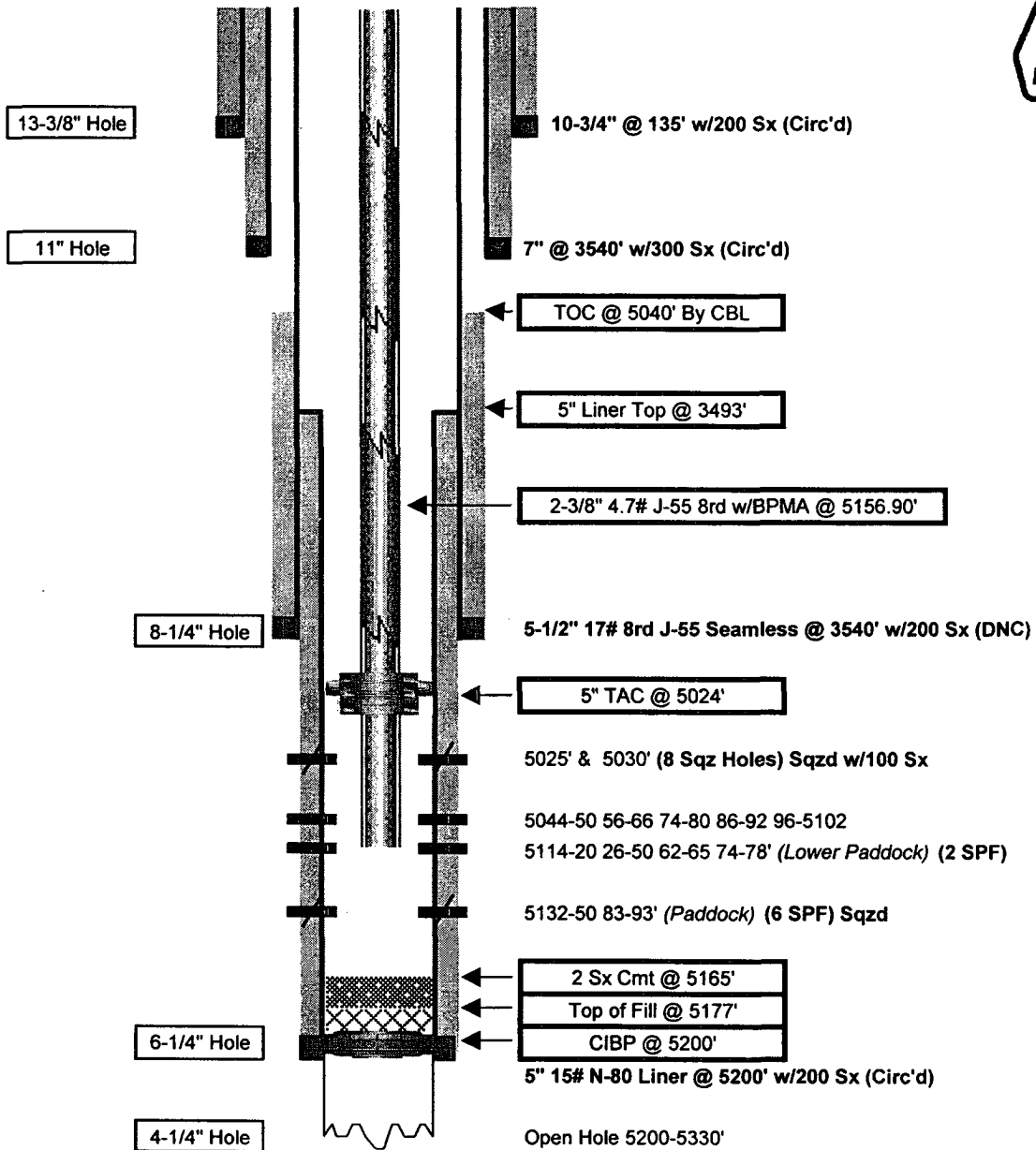
**5½ x 5" production casing set @ 5,200' w/ 200 sx, TOC 1,400' calculated
7" intermediate casing set @ 3,540' w/ 350 sx, TOC 1,200' calculated
10 ¾" surface casing set @ 135' w/ 200 sx, circulated**

- Notify NMOCD 24 hrs prior to move in, and 4 hrs prior to plugs
- Hold daily tailgate safety meetings w/ crews
- tubing & TAC in hole @ 5,024'



1. Set 180 bbl steel working pit. MIRU Triple N rig & plugging equipment.
2. NU BOP and POOH w/ production tubing.
3. RIH w/ HM tbg-set CIBP for 5" casing on production tubing, or workstring as needed, to 5,082'.
4. RU cementer and set CIBP. Circulated hole w/ plugging mud, and pump 25 sx C cmt w/ 2% CaCl₂ (1.32 ft³/sk, 14.8 ppg w/ 6.3 gal/sk, slurry volume 66 ft³). WOC and tag this plug no deeper than 4,925'. **To cover open & previous Paddock perforations**
5. POOH w/ tbg to 3,590' and pump 25 sx C cmt (1.32 ft³/sk, 14.8 ppg w/ 6.3 gal/sk, slurry volume 66 ft³) @ 3,590'. **7" casing shoe plug** — **TAC**
6. POOH w/ tbg to 2,390' and pump 25 sx C cmt (1.32 ft³/sk, 14.8 ppg w/ 6.3 gal/sk, slurry volume 66 ft³) @ 2,390'. POOH w/ tubing. **Base of salt plug**
7. RIH w/ wireline and perforate 5½" & 7" casings @ 1,330'. POOH w/ wireline.
8. RIH w/ AD-1 packer for 5½" casing to 1,100'. Load hole w/ mud, set packer, and establish rate into perforations at 1,330'. If rate is established, squeeze 45 sx cmt w/ 2% CaCl₂ (1.32 ft³/sk, 14.8 ppg w/ 6.3 gal/sk, slurry volume 59.4 ft³) 1,330 – 1,230'. WOC and tag this plug no deeper than 1,230'. **Top of salt plug**
9. RIH w/ wireline and perforate 5½" & 7" casings @ 185'. POOH w/ wireline.
10. ND BOP and NU wellhead, establish rate into perforations at 185'. If rate is established, squeeze 75 sx cmt w/ 2% CaCl₂ (1.32 ft³/sk, 14.8 ppg w/ 6.3 gal/sk, slurry volume 99.0 ft³) 185 – 85'. WOC and tag this plug no deeper than 85'. **10¾" casing shoe plug**
11. Pump 15 sx C cmt 50' to surface. RDMO.
12. Cut off wellhead and install dry hole marker. Cut off anchors and level location.

Well Name & No.		W.S. MARSHALL 'B' No. 5		Field	DRINKARD		Date 10/03/01	
County	LEA	API	3002506823	State	NEW MEXICO	By	TIM L. CHASE	
Spudded	8/18/1948	Comp Drlg	9/29/1948	Location	660' FSL & 1980' FWL, Section 27, Township 21S, Range 37E			



GL: 3411' DF: 3421' KB: 3422'
PBSD: 5165' TD: 5330'

