

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

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

Form C-103  
May 27, 2004

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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.)		WELL API NO. <b>30-025-04078</b>
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator <b>Marathon Oil Company ATTN: Rick Schell</b>		6. State Oil & Gas Lease No. <b>B-3654</b>
3. Address of Operator <b>P.O. Box 3487 Houston, TX 77253-3487</b>		7. Lease Name or Unit Agreement Name <b>McGrail State</b>
4. Well Location Unit Letter <u>N</u> : <u>660'</u> feet from the <u>South</u> line and <u>1,980'</u> feet from the <u>West</u> line Section <u>26</u> Township <u>19-S</u> Range <u>36-E</u> NMPM Lea County		8. Well Number <u>1</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <u>3669' GR</u>		9. OGRID Number <u>14021</u> <sup>192463</sup>
Pit or Below-grade Tank Application <input checked="" type="checkbox"/> or Closure <input type="checkbox"/>		10. Pool name or Wildcat <b>Eumont Gas</b>
Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____		
Pit Liner Thickness: steel mil Below-Grade Tank: Volume <u>180</u> bbls; Construction Material <u>steel</u>		

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

<b>NOTICE OF INTENTION TO:</b> PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input checked="" type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> OTHER: <input type="checkbox"/>	<b>SUBSEQUENT REPORT OF:</b> REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/> OTHER: <input type="checkbox"/>
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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 CURRENT AND PROPOSED PLUGGED WELLBORE DIAGRAMS

1. Set steel working pit, RU Basic plugging rig, NU BOP. POOH w/ production equipment as present
2. Set CIBP @ 2,585'. Circulate plugging mud and pump 35 sx C cmt @ 2,585' (base of salt @ 2,424')
3. Perforate & squeeze 50 sx C cmt 1,260- 1,160'. WOC & TAG (top of salt plug & surface casing shoe)
4. Perforate & squeeze 50 sx C cmt 201 - 101'. WOC & TAG
5. Pump 15 sx C cmt 60' to surface.
6. Cut off wellhead & anchors, install dry hole marker, backfill cellar.

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 [Signature] TITLE Area Manager (Basic Energy Services) DATE 09/03/08

Type or print name James F. Newman P.E. E-mail address: James.Newman@BasicEnergyServices.com Telephone No. 432-687-1994  
**For State Use Only**

APPROVED BY: [Signature] TITLE OG FIELD REPRESENTATIVE II/STAFF MANAGER DATE SEP 09 2008  
Conditions of Approval (if any):

**CURRENT WELLBORE SKETCH**  
Marathon Oil Company

RKB @ 3,678'  
DF @  
GL @ 3,669'

Date: September 2, 2008

Subarea :  
Lease & Well No : **McGrail State #1**  
Legal Description : **660' FSL & 1980' FWL, Sec 26, T19S, R36E**  
County : **Lea** State : **New Mexico**  
Field : **Eumont**  
Date Spudded : **Sept. 1, 1936** Rig Released:  
API Number : **30-025-04078**  
Status: **Proposed Plugged**

**Stimulation History:**

**Well History**

Oct 1936 Acidized OH 3920'-3990' (pay) with 91 BBL of acid  
1938 Acidized with 3000 gals of 15% HCL acid  
1941 Squeezed from 3817'-3990' Perf 3778'-3790', and no result Drill back to 3990'  
1942 Shot 3950'- 3980' in the OH w/ 48 holes ( no result) perf 3951'-3975' ana acidized with 1000  
glas of 15% HACL acid  
  
Jul '54 Set CIBP @ 37040' and CMT plug Recomplete from G/SA (3825'-3990', produced 82 MBBLo of oil)  
to Lower Eumont (3225'-3685') Frac with 6000# (perfs 3225-45, 65-80, 3290-3310, 3400-20, 60-85, 70-  
85 4 SPF 215' net 860 holes)  
  
Apr '94 Frac lower Eumont with 253,000# 16/30 sand, perf upper Eumont (2635'-3185')(perfs 2635-60,  
2680-2725, 2742-75, 2785-2805, 2822-2840, 2892-2908, 2915-2936, 2980-3005, 3170-85)  
, frac with 226000#  
May '94 PWOP  
Aug '96 Remove RP and install jet pump

12-1/2" 50" @ 151' cmt'd w/ 150 sx

9-5/8" 36# @ 1,195' cmt'd w/ 500 sx

Top of Salt @ 1,260'

Base of Salt @ 2,424'

Uncertain Tubulars

2,635 - 3,185' (Upper Eumont)

3,225 - 3,685' (Lower Eumont)

CIBP @ 3,740' w/ 10 sx cmt in 1954  
7" 24# @ 3,825' cmt'd w/ 400 sx, TOC 1,164 Calc

PBTD: 3,669'  
TD: 3,990'

**PROPOSED PLUGGED WELLBORE SKETCH**  
**Marathon Oil Company**

Date: September 2, 2008

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 DF @ \_\_\_\_\_  
 GL @ 3,669'

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 , frac with 226000#  
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 Aug '96 Remove RP and install jet pump

**PROPOSED PLUGS**

- 1) set CIBP @ 2,585', circulate plugging mud
- 2) 35 sx C cmt 2,585 - 2,374' balanced
- 3) Perf & sqz 50 sx C cmt 1,260 - 1,160', TAG
- 4) Perf & sqz 50 sx C cmt 201 - 101', TAG
- 5) Perf & sqz 50 sx C cmt 201 - 101', TAG
- 6) 15 sx C cmt 60' to surface

**Capacities**

7" 24# csg	4 567 ft/ft3	0 2189 ft3/ft
	25 64 ft/bbl	0 0390 bbl/ft
9-5/8" 36# csg	2 304 ft/ft3	0 4340 ft3/ft
	12 93 ft/bbl	0 0773 bbl/ft
12-1/2" 50# csg	ft/ft3	ft3/ft
	ft/bbl	bbl/ft

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