

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 87240
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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. 30-025-25131
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: Walter Lynch
8. Well Number 6
9. OGRID Number 14021
10. Pool name or Wildcat Multiple

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
GL 3353'

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>
PLUG AND ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
CHANGE PLANS <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
MULTIPLE COMPLETION <input type="checkbox"/>	
OTHER: <input type="checkbox"/>	OTHER: DHC Per HOB-0068 / -Acid & Frac- see below <input checked="" type="checkbox"/>

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.

Marathon Oil Company has completed operations to add the Tubb(86440) zone to the existing Blinbry & Brunson Drinkard-Abo S. reservoirs in a downhole commingled wellbore. The Blinbry & the Brunson Drinkard-Abo S. reservoirs were acidized and fraced. Please see the attached document describing the work performed.

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 Charles E. Kendrick TITLE Engineering Technician DATE 03/18/2005

Type or print name **Charles E. Kendrick**

E-mail address: cekendrix@MarathonOil.com
Telephone No. **713-296-2096**

For State Use Only

APPROVED BY _____ TITLE _____ DATE APR 04 2005

Conditions of Approval, if any:

Walter Lynch No. 6

**Unit F. Section 1, T-22-S, R-37-E
Lea County, New Mexico**

- 03/31/2004** Rig up service Unit. Unhang well. Unseated pump. POOH w/ 78 rods. Replaced polish rod and stuffing box.
- 04/01/2004** RU hot oiler. Hot water tubing and rods w/ 70 bbls water w/ paraffin chemical. RD Hot oiler. POOH w/ ¾" steel rods, and pump. Nipple down well head. Install BOPE. Changed out casing valves. POOH w/ 2-3/8" tubing, TAC, 2-3/8" tubing, Seating Nipple, and Perforated Bull Plugged Mud Joint. Changed out Pipe Rams from 2-3/8" to 2-7/8" Pipe Rams. PU and talley 20 joints 2-7/8" L-80 workstring. RIH for killstring.
- 04/02/2004** POOH w/ kill string. PU 6-1/8" Cone Buster Junk Mill, 6- 4-3/4" DC, Jars, and 172 joints 2-7/8" L-80 workstring Left mill swinging @ 5537' above all perforations.
- 04/05/2004** RU Air unit. PUH w/ tubing to 4511 w/ Cone Buster Mill on 139 jts 2-7/8" workstring. RU stripper head and swivel. Start circulating Direct with air. Unload well and broke circulation. RIH w/ tubing. Tag top of fill at 5891' on 184 Jts. Tagged with 59' fill above CIBP. RU swivel. Start circulating with air. Unload well and broke circulation. Start drilling. Drill from 5891' to 5950' w/ 186 jts in hole. Drilled out CIBP @ 5950'. Circulate clean w/ air unit. RIH tagged @ 6217' on 194 joints. Tagged top of fill 83' above 2nd CIBP. Drilled from 6217' to 6275' on 196 Jts. Circulate clean w/ air unit. Lay down swivel. PUH. Mill swinging @ 5319' on 165 Jts.
- 04/06/2004** RIH w/ Cone Buster Mill. Tag @ 6250' on 195 Jts tubing. Tried circulating direct with air. Tubing plugged. POOH w/ tubing, DC, and Cone Buster Mill. Drill collar and mill plugged with sand. RIH w/ Cone Buster Mill, 5 DC, and 139 jts tubing. Bottom of mill @ 4480' above all perforations.
- 04/07/2004** Start circulating direct with air. Unload well and broke circulation. RIH w/ tubing. Tag top of fill at 6250' on 196 Jts. Tagged with 50' fill above CIBP. RU swivel. Start circulating direct with air. Unload well and broke circulation. Start drilling. Drill from 6250' to 6300' w/ 198 Jts in hole. Drilled out CIBP @ 6300'. Circulate clean w/ air unit. RIH tagged @ 7256' on 228 jts. Circulate clean w/ air Unit. PUH. Mill above all perforations.
- 04/08/2004** RIHw/ tubing. Tag w/ mill @ 7279' on 229 Jts. RU swivel. Start circulating direct with air. Unload well and broke circulation. Start drilling. Drill from 7279' to 7281' w/ 229 Jts in hole. Drilled on CIBP. Circulate clean w/ air unit.

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- 04/08/cont** POOH w/ tubing, BHA, and Cone Buster Junk Mill. RIH w/ shoe, Jars, Drill collars, and 30 Jts 2-7/8" tubing for kill string.
- 04/12/2004** RIH w/ tubing to 4500' on 140 Jts. RU swivel. Start circulating direct with air. Unload well and broke circulation. RIH w/ tubing to 7226' on 227 jts. RU swivel. Start circulating direct with air. Unload well and broke circulation. Drill from 7281' to 7282' w/ 229 jts in hole. POOH w/ tubing, BHA, and shoe. Replaced shoe. RIH w/ shoe, Jars, Drill Collars, and 40 Jts 2-7/8" tubing for kill string.
- 04/13/2004** RIH w/ tubing to 5142' on 160 Jts. RU swivel. Start circulating direct with air. Unload well and broke circulation. RIH w/ tubing to 7257' on 228 jts. RU swivel. Start circulating direct with air. Unload well and broke circulation. Drill on packer @ 7282' w/ 229 Jts in hole. Circulate hole clean. RD swivel. PUH w/ tubing, BHA, and shoe to 5525' on 172 jts. Hung up while pulling up hole. Pulled free and PUH with shoe above all perforations.
- 04/14/2004** RIH w/ tubing to 7262' on 228 Jts. RU swivel. Start circulating direct with air. Unload well and broke circulation. Drill on packer f/ 7262' to 7285' w/ 229 jts in hole. Circulate hole clean. RD swivel. POOH w/ tubing, BHA, and shoe. RIH w/ 40 jts 2-7/8" tubing for kill string.
- 04/15/2004** POOH w/ 2-7/8" work string and BHA. RIH with 6-1/8" bit, 7" casing scraper and 2-7/8" work string. RIH w/ bit to 7260' on 234 Jts 2 7/8" work string. PUH w/ work string, casing scraper and bit. Bit swinging @ 1225' on 40 Jt 2-7/8" tubing for kill string.
- 04/16/2004** POOH w/ kill string. RU perforating equipment. Assembled 3-1/8" slick gun carrier w/ 311T w/ 23 gram charges w/ 4JSPF, 90 deg phasing w/ Collar locator. PU lubricator and pressure test lubricator to 1000 psi. Arm and PU perforating gun. RIH w/ 3-1/8" slick gun carrier w. 311T w/23 gram charges w/ 4 JSPF, 90 deg phasing w/ gamma ray and collar locator. Pull collar log and get on depth. Perforate f/ 6454'-6458'. POOH with wireline. Arm and PU perforating gun. RIH w/ 3-1/8" slick gun carrier w/ 311T w/ 23 gram charges w/ 4 JSPF, 90 deg phasing w/ collar locator. Get on depth. Perforate f/ 5587'- 5610'. POOH with wireline. Arm and PU perforating gun. RIH w/ 3-1/8" slick gun carrier w/ 311t w/ 23 gram charges w/ 4 Jspf, 90 deg phasing w/ collar locator. Perforate f/ 5567'- 5574' and 5584' - 5587'. POOH with wireline. RIH w/ 3-1/8" slick gun carrier w/ 311T w/ 23 gram charges w/ 4 JSPF, 90 deg phasing w/ collar locator. Perforate f/ 5524'- 5532' and 5543' - 5550' w/ dual fire. POOH with wireline.

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- 04/16/cont** RIH w/ 3-1/8" slick gun carrier w/ 311T w/23 gram charges w/ 4 JsPF, 90 deg phasing w/ collar locator. Perforate f/ 5500'-5508' and 5512'-5516'. POOH with wireline. RIH w. 3-1/8" slick gun carrier w/ 311T w/ 23 gram charges w/ 4 JSPF, 90 deg phasing w/ collar locator. Perforate f/ 5476' - 5482' and 5484' - 5500'. POOH with wireline. RIG down perforating equipment. RIH w/ kill string.
- 04/19/2004** POOH w/ kill string. RIH w/ RBP w. ball catcher, packer, and 2-7/8" work string. Set RBP @ 6507' on 209 Jts tubing. PUH set packer @ 6469' on 208 Jts tubing. Load and test packer plug and tubing to 1000 psi. PUH w/ workstring, packer. Packer swinging @ 5320' on 171 Jts tubing. Packer swinging above all open perforations.
- 04/20/2004** Finish in hole w/ packer, and 2-7/8" workstring. Set packer @ 6400' on 206 Jts 2-7/8" tubing. Rig up acidizing equipment. Tested lines to 5000 psi. Load tubing. Break down perforations @ 3331 psi. Start acid. Acidize Drinkard interval 6454'-6458' using 500 gals 15% HCL acid. Dropped 22 ball sealers. Displaced w/ 40 bbls fresh water @ 4.5 bpm Released pressure and blow down well. RIH retrieve RBP. PUH w/ RBP w/ ball catcher, packer, and 2-7/8" work string. Set RBP @ 5631'. PUH w/ packer to 5613'. Load and Test RBP, packer and tubing to 1000 psi. Held pressure. Released packer. PUH w/ packer to 5407'. Set packer. RU Halliburton lines. Tested line to 5000 psi. Load tubing. Break down perforations @ 2779 psi. start acid. Acidized upper Blinbry interval 5476' to 5610' using 4000 gals 15% HCL acid. Dropped 480 ball sealers. Displaced w/ 40 bbls fresh water. Rig down acidizing equipment. Total load to recover = 269 bbls acid and water load. Retrieve RBP. POOH w/ workstring, packer, RBP w/ ball catcher. RIH w/ seating nipple and 227 jts 2-7/8" tubing. Landed seating nipple @ 7056'.
- 04/21/2004** RU swab. Initial fluid level @ 4600' from surface. Made 15 swab runs. Final fluid level 6700' from surface. Recovered 43 bbls water. RD swab. Made 15 swab runs. Total swabbing recovery for day 43 bbls.
- 04/22/2004** RU swab. Initial fluid level @ 6000' from surface. Made 10 swab runs. Final fluid level 6700' from surface. Recovered 23 bbls water. RD swab. POOH w/ work string. Left 40 Jt 2-7/8" tubing for kill string.
- 04/23/2004** Blow down tubing and casing pressure. POOH w/ kill string. Change out pipe rams and equipment to run 3-1/2" tubing. RU tubing tester to hydrotest 3-1/2" tubing to 8000 psi. RIH w/ RBP w/ ball catcher, packer and 3-1/2" work string.

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- 04/23/ cont** Set RBP @ 5630' on 182 Jts tubing. PUH set packer @ 5611' on 181 kts tubing. Load and Test packer plug and tubing to 1000 psi. Held pressure. PUH w/ work string, packer. Set packer @ 5395' on 174 Jts tubing. Load and test annulus to 500psi. Held pressure. Leave annulus open to blow down tank to let air work out.
- 04/26/2004** Rig up sand frac equipment. Tested lines to 8000 psi. Load and pressure annulus to 500 psi. Load tubing. Break down perforations @ 5091 psi. Start pumping pad. Pumped pad 317 bbls pad @ 35 bpm @ 5000 psi. Pumped 75 bbls 1 #/gal sand @ 36.7 bpm @ 4500 psi. Pumped 130 bbls 2 #/ gal sand @ 36.9 bpm @ 4500 psi. Pumped 190 bbls 3#/gal sand @ 36.9 bpm @ 4652 psi. Pumped 196 bbls 4#/gal sand @ 37 bpm @ 4986 psi. Pumped 205 bbls 5 #/gal sand @ 37.5 bpm @ 4986 psi. Pumped 65 bbls flush @ 36.3 bpm @ 4940 psi. Rig down frac equipment. Rig up flow back line.
- 04/27/2004** Blow down tubing pressure. RD flow back line. Pressure annulus to 500 psi. Unset packer. POOH w/ 3-1/2" work string and packer. Lay 3-1/2" work string down on pipe racks Changed out Pipe rams. RIH w/ retrieving head and 176 jts 2-7/8" work string. Retrieving head swinging @ 5513' above all perforations.
- 04/28/2004** RU Air Unit. Start circulating direct with air w/ bottom of tubing set @ 5513'. Unload well and broke circulation. Load and move out 3-1/2" work string. RIH w/ tubing to 5513' on 179 Jts. Tagged sand fill @ 5513'. RU swivel. Start circulating direct with air. Unload well and broke circulation. Circulate sand fill out of well f/ 5513' to 5630' on top of RBP. Circulate hole clean on top of RBP. Well unloaded 150 bbls frac load. RD swivel Unset RBP. POOH w/ tubing and RBP. RIH w/ 52 Jts 2-7/8" tubing for kill string.
- 04/29/2004** Blow down well pressure. POOH w/ 2-7/8" work string. Changed out 2-7/8" Pipe Rams to 2-3/8" Pipe rams. RU tubing tester. RIH w/ mud joint, seating nipple, ceramic tubing joint, and 207 Jts 2-3/8" tubing. Hydrotested all tubing in well. Seating nipple @ 6517' and bottom of tubing @ 6547'. RD tubing tester.
- 04/30/2004** Remove BOPE. Install well head. Changed out equipment to run rods. RIH w/ pump and 10 -7/8" and 173 -3/4" and 74 - 7/8" steel rods w/ grade T couplings. Seat pump, space out pump, hang well on. Load and test pump action. Long stroke pump and put 200 psi back pressure on wellhead. Hang well back on. RU flowline and set frac tank. Start well producing to frac tank.

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**Unit F. Section 1, T-22-S, R-37-E
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05/01/2004 RDMO pulling unit. Return to production operation. Leave well to producing to frac tank.