

Submit 3 Copies To Appropriate District  
Office  
District I  
1625 N. French Dr., Hobbs, NM 87240  
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. 30-025-06821
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator Marathon Oil Company		6. State Oil & Gas Lease No.
3. Address of Operator P.O. Box 3487 Houston, TX 77253-3487		7. Lease Name or Unit Agreement Name: W.S. Marshall B
4. Well Location Unit Letter <u>L</u> : <u>1980</u> feet from the <u>South</u> line and <u>660</u> feet from the <u>West</u> line Section <u>27</u> Township <u>21-S</u> Range <u>37-E</u> NMPM County <u>Lea</u>		8. Well Number 4
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3415' GR		9. OGRID Number 14021
10. Pool name or Wildcat Penrose Skelly Grayburg (50350)		
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/> 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			
<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: <input type="checkbox"/>		OTHER: Well Completion work <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 plug back the Paddock formation and recomplete the Marshall B No 4 well to the Penrose Skelly Grayburg Pool. Please see the attachment for details of the well work performed. Completion report will be included with this mailing.

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. Kendrix TITLE Regulatory Compliance Rep DATE 01/07/2008  
E-mail address: cekendrix@marathonoil.com  
Type or print name Charles E. Kendrix Telephone No. 713-296-2096

For State Use Only

APPROVED BY Chris Williams TITLE OCD DISTRICT SUPERVISOR/GENERAL MANAGER DATE FEB 07 2008  
Conditions of Approval, if any: 2A Paddock

## W.S. Marshall B No 4

### Recomplete to the Penrose Skelly Grayburg

07/03/07 MIRU PU. Unseat pump. Hot watered dn tbg. POOH w/ rods and pump. Install BOPE. Unset TAC POOH w/ 104 jts 2 3/8" tbg. SI well.

07/04/07 Kill well w/ 10 bbls KCL water. POOH w/ remaining tbg (65 jts) and BHA. RIH w/ 4 3/4" bit & 5 1/2" csg scraper on 172 jts 2 3/8" tbg. Tagged top of fish @ 5338'. CIBP @ 5450 w/ 1 sks cmt on top. POOH w/ 130 jts tbg. Leave 42 jts and BHA in for kill string. SI Well.

07/05/07 POOH w/ killstring, csg scraper, & bit. RU Baker Atlas. RIH w/ CIBP. Set CIBP @ 5000'. RIH w/ dump bailer dump 10' cement on CIBP, RD wireline. RIH w/ 158 jts tbg to 4914'. Circ hole clean. POOH w/ 92 jts. Leave 66 jts tbg in hole for kill string. SI Well.

07/06/07 POOH w/ kill string. Remove BOP. Flange up well head. Load and Test Casing and CIBP to 1000 psi. Held Press. RDMO PU.

07/09/07 RU wireline. RIH w/ CBL. Log f/ PBTD (4981') to 1700'. Press csg during main logging pass. Top of good cmt @ ~ 2800'. Top of cement @ 2000'. RIH w/ CPNL/ CCL log, and log from 4981 to 2400'. RIH w/ casing inspection Logging tools. Log f/ 4000' to surface. Casing looks good. RD wireline. SI Well.

07/14/07 MIRU PU.

07/16/07 NU spool, Hydraulic BOPE, tree saver, Test csg to 3500 psi. RD Tree saver. RIH w/ 125 jts, & 12' tbg subs. Spot 500 gals 7 1/2% acid @ 3864'. POOH w/ tbg. SI well.

07/17/07 RU wireline. Test Lubricator to 1000 psi. Perforate Grayburg in 7 1/2% acedic acid w/ 3 1/8" slick gun carrier w/ 311T 23 gram charges, w/ 4 JSPF, 60° phasing w/ collar locator. Perforated three intervals in two gun runs as follows:

Interval	Feet	Shots
3806' – 3827'	21'	83 (one shot did not fire)
3835' – 3837'	2'	8
3844' – 3864'	<u>20</u>	<u>80</u>
Totals	43'	171 shots

Load csg pressure perfs to 1500 psi. Pumped 9 bbls, broke down perforations w/ spot acid. Established rate of 1 bpm @ 1240 psi. RU Hydotest, test tbg in hole. Set pkr @ 3716' on 120 jts 2 7/8" tbg. RD Baker Atlas Perforators. Load & test csg annulus to 500 psi. SI well.

07/18/07 RU acid pump truck. Test lines to 5000 psi. Pumped 5000 gals of 15% NEFE Acid while dropping 200 ball sealers. Well did not ball out. RD McClaskey acid truck. Bled well off. Release pkr & RIH w/ 6 jts tbg to knock off balls. POOH w/ tbg. Closed blind rams.

07/20/07 RU Halliburton frac equip. Test lines to 6000 psi. Pumped 904 bbls gel pad. Pumped 526 bbls sand frac ramping f/ 2# per gal to 6# per gal 20/40 Premium white sand, (Pumped 22 bbls @ 6 # / gal) Pumped 88 bbls flush. RD Halliburton. Load to recover 1518 bbls & 100209 lbs sand w/ Halliburton additive Expedite 225 flow control. SI well.

07/23/07 RIH w/ tbg w/ notched collar. Tagged sand fill @ ~~4926'~~ <sup>4926 per CK</sup>. POOH w/ cleanout assembly. RIH w/ 3 jts 2 7/8" tbg open ended w/ collar, SN, 1 special alloy jt, 5 jts 2 7/8" tbg, TAC, 120 jts 2 7/8" J-55 tbg. Couldn't set TAC. POOH w/ tbg. Leaving killstring in hole. SI well.

07/24/07 POOH w/ killstring. RIH w/ 3 jts 2 7/8" tbg open ended w/ collar, SN, 1 special alloy jt, 5 jts 2 7/8" tbg, TAC, 120 jts 2 7/8" J-55 tbg. Set TAC, ND BOP, NU

Wellhead. TAC @ 3719', SN @ 3905, Bottom of tbg @ 3998'. RIH w/ rod insert pump and rods. SI well.

07/25/07

Left rods stacked on well and well off. Pumping unit to be installed later.

07/27/07

Put well on production w/ pumping unit at 8.00 am.