

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

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.)		WELL API NO. 30-025-31733
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 checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Marathon Oil Company		6. State Oil & Gas Lease No. A-2614
3. Address of Operator P.O. Box 3487 Houston, TX 77253-3487		7. Lease Name or Unit Agreement Name: South Emice 26 State
4. Well Location Unit Letter J : 1392' feet from the South line and 1818' feet from the East line Section 26 Township 22-S Range 37-E NMPM County Lea		8. Well Number 1
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3478' GR		9. OGRID Number 14021
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 _____		10. Pool name or Wildcat Langley #1 SR - BN Wildcat Grayburg

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"/>	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: <input 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 re-complete the South Emice 26 State No. 1 to the grayburg formation. Please see attachment for details of well work.

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 NMOC guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE Charles E. Kendrix TITLE Reg Compliance Rep DATE 07/07/2006
E-mail address: cekendrix@marathonoil.com
Type or print name Charles E. Kendrix Telephone No. 713-296-2096

For State Use Only

APPROVED BY [Signature] TITLE PETROLEUM ENGINEER DATE _____
Conditions of Approval, if any: 2A WSW; San Andres JUL 18 2006

South Eunice 26 State No. 1 Re-completion to Grayburg

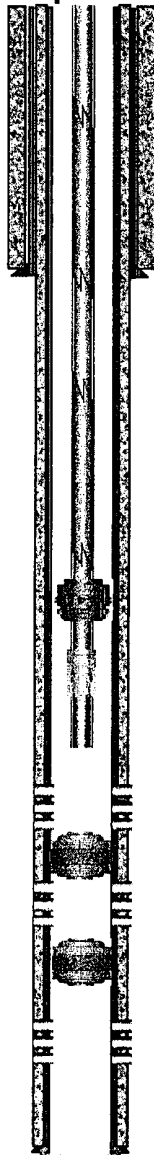
- 10/31/2005 MIRU PU. Installed BOPE. Set pipe racks & tbg. RIH w/ 6 1/8" bit & 7" casing scraper on 139 jts 2 7/8" tbg to 4231'. PUH w/ BHA to 3805'. Pickle tbg w/ 10 bbls of 7 1/2 % HCL acid. Displace acid through tbg into lower perfs f/ 4158' to 4591' w/. 28 bbls water. PUH leaving 29 jts & BHA for kill string. SI well.
- 11/01/2005 RU Baker Atlas perforating equipment. RIH w/ 7" CIBP & CCL. CIBP stuck @ 4403'. Worked CIBP down to 4526' & pulled out of rope socket. Left setting tool & CIBP in hole. Ran 2nd CIBP could not get setting tool to fire. POOH w/ 2nd CIBP. RIH w/ 3rd 7" CIBP. Set CIBP @ 4140'. POOH w/ wireline and setting tool. Load casing w/ 30 bbls water. Pressure test BOP stack, blind rams, CIBP, and casing to 1000 psi. Held pressure. RIH w/ 3 1/8" slick gun carrier w/ 311T 23 gram charges, w/ IJSPF, 120° phasing w/ collar locator. Perforate eleven intervals in six gun runs as follows:
- | Interval | Feet | Shots |
|-------------|----------|----------|
| 3890 – 3891 | 2 | 2 |
| 3908 – 3911 | 3 | 4 |
| 3925 – 3928 | 3 | 4 |
| 3942 – 3943 | 2 | 2 |
| 3977 – 3980 | 3 | 4 |
| 4000 – 4003 | 3 | 4 |
| 4007 – 4010 | 3 | 4 |
| 4058 – 4064 | 6 | 6 |
| 4076 – 4082 | 6 | 6 |
| 4090 – 4102 | 12 | 12 |
| 4110 – 4116 | <u>6</u> | <u>6</u> |
| Totals | 49' | 54 shots |
- RD Baker Atlas and SI well for night.
- 11/02/2005 RIH w/ 7" production pkr, SN, 135 jts 2 7/8" tbg. Tagged CIBP @ 4140'. Circ hole w/ 170 bbls to clean up. RU MacKlaskey Acid Pump truck. Pump 14 bbls 15% HCL acid. Displace w/ 21 bbls water to spot acid on perfs. PUH and lay down 10 jts tbg. Pkr swing @ 3808'. Reverse circ 10 bbls water to clear acid out of annulus. Set Pkr and tested backside to 600 psi. Test lines to 5000 psi. Start pumping w/ water, pumped 6 bbls and rate slowed from 3 bpm to 1 bpm but pumping into perfs. Displaced acid to bottom perfs w/ 25 bbls water. RD MacKlaskey pump truck. RU swab. IF @ 600' f/ surface. Made 6 swab runs and Fluid level fell to 1700' f/ surface. No oil, moderate gas blow. Recovered 44 bbls.
- 11/03/2005 SITP=27 psi. CP slight vacuum. RU swab. IF @ 800' f/ surface, made 9 runs, final fluid level @ 1900' f/ surface. Recovered 66 bbls water, no oil. Unset packer POOH w/ 2 7/8" tbg, SN, and 7" pkr. RU Baker Atlas. RIH w/ CIBP and set @ 4040'. POOH w/ wireline. Isolated perfs f/ 4058-4116. Left perfs open f/ 3890'-4010' for sand frac. RD Baker Atlas. RIH w/ 30 jt kill string. SI well.
- 11/04/2005 POOH w/ kill string. RU tbg tester. RIH w/ pkr, SN, 125 jts tbg hydro testing to 5000 spi. Circ hole clean. Set Pkr @ 3812'. Test casing annuls to 500 psi. SI Well waiting on frac job.
- 11/07/2006 RU Halliburton. Tested lines to 5000 psi. Press casing annulus to 500 psi w/ reverse unit, and held pressure during acid and frac job. Pumped 28 bbls acid @ 6.2 PBM @ 1548 psi, finished pumping 7 1/2 % HCL acid (103 total). Displace Acid to 3 bbls above top perf w/ 22 bbls Linier Gel. Start pumping sand frac job. Pump pad, break down perfs and establish rates. Pumped 309 bbls pad. Pumped 425 bbls 1#/ gal sand ramping to 5# sand. Pumped 172 bbls 6#/ gal sand. Pumped 22 bbls flush. Shut in treating valve, and bled of surface line pressure. RD Halliburton. Total load to recover 966 bbls acid and frac. Pumped 77,500 lbs Premium Brown 20/40 sand w/ Halliburton additive Expedite 225 Flowback Control. SI Well.
- 11/08/2005 RU Swab. RIH w/ swab mandrel to 3800' did not tag sand fill in tbg. POOH lay down swab. Pressure test annulus to 200 psi. Unset pkr. POOH w/ 125 jts tbg, SN, & pkr. RIH w/ 2 7/8" notched collar on 131 jts 2 7/8" tbg. Tagged sand fill @ 3962'. Reverse circ sand out f/ 3962 to PBTD @ 4040'. POOH w/ tubing and notched collar. RH w/ mud jt, SN, Special Alloy joint, 2 jts 2 7/8" J-55 tbg, 7" tbg anchor, and 80 jts tbg. SI
- 11/09/2005 Cont. in hole w/ 43 jts tbg. RIH w/ rod pump and rods. Hung well on. Load and test tubing and pump action. Clamp off polish rod leave well down waiting on pumping unit. RD PU
- 11/14/2005 Install pumping unit. Turn well to production.



South Eunice 26 State No. 1 New Well Completion Grayburg

Marathon Oil Company
South Eunice 26 State No. 1
UL*J", Sec 26, T-22-S, R-36-E

Well Spud on 11/27/1992
Elevation GL 3478'



Surface Casing
9 5/8" 32# H-40 set @ 450' w/ 250 sks cmt.

Tubing Anchor @ 3760'

Seating Nipple @ 3856'

Bottom of tubing @ 3888'

Upper Grayburg Perfs @ 3890-4010

CIBP @ 4040

Lower Grayburg Perfs @ 4058-4116

CIBP @ 4140

Isolated lower San Andres perfs
4158'-4591'

TD @ 4698'

Production Casing
7" 20 & 23 # K-55 Set @ 4698' Cmtd w/ 1000 sks

Well Name & Number:	South Eunice 26 State No. 1		Lease	South Eunice 26 State (A-2614)	
County or Parish:	Lea	State/Prov.	New Mexico	Country:	USA
Perforations: (MD)	3890'-4010'		(TVD)	4698'	
Date Completed:	11/15/05			RKB:	
Prepared By:	Charles Kendrix	Last Revision Date:		07/07/06	