

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

Form C-103  
May 27, 2004

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

WELL API NO. 30-025-37513
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: Edith Butler B
8. Well Number 4
9. OGRID Number 14021
10. Pool name or Wildcat Paddock (49210)

**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 <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other
2. Name of Operator Marathon Oil Company
3. Address of Operator P.O. Box 3487 Houston, TX 77253-3487
4. Well Location Unit Letter <u>I</u> : <u>1980</u> feet from the <u>South</u> line and <u>850</u> feet from the <u>East</u> line Section <u>13</u> Township <u>22-S</u> Range <u>37-E</u> NMPM County <u>Lea</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3330' GR
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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐  
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND 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.

Marathon Oil Company completed operation to drill, set, and test production casing on the Edith Butler A #4. 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 NMOCD guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE Charles E. Kendrix TITLE Engineering Technician DATE 03/03/2006  
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 MAR 20 2006  
Conditions of Approval, if any:

**Edith Butler B No. 4**  
**Drill, Set, and Test Production Casing**

01/16/2006 Drill cement f/ 380' through float collar and float shoe @ 445'. Drill & survey 7 7/8" open hole f/ 445' to 1520'.

01/17/2006 Drill & survey 7 7/8" open hole f/ 1520' to 2707'.

01/18/2006 Drill & survey 7 7/8" open hole f/ 2707' to 3292'.

01/19/2006 Drill & survey 7 7/8" open hole f/ 3292' to 3720'.

01/20/2006 Drill & survey 7 7/8" open hole f/ 3720' to 4245'.

01/21/2006 Drill & survey 7 7/8" open hole f/ 4245' to 4607'.

01/22/2006 Drill & survey 7 7/8" open hole f/ 4607' to 4947'.

01/23/2006 Drill & survey 7 7/8" open hole f/ 4947' to 5335'.

01/24/2006 Drill & survey 7 7/8" open hole f/ 5335' to TD @ 5380'. Pump high viscosity sweep, Spot hi-vis pill on bottom. L/D drill pipe and BHA. RU Loggers run Micorspherical, Spectral Natural Gamma, Dual Spaced Neutron , Spectral Density logs to 5376'. RU casing crew.

01/25/2006 Ran 129 jts, 5 1/2", 15.5 #, J-55, LT&C casing to 5370'. See attached casing report for further details. RU Halliburton cementers. Plugged up lines on cementing equipment.

01/26/2006 RU Halliburton cementers. Pumped 925 sks Interfill "C" lead, 11.80 density, 2.52 yield, 14.65 gal/ sk water, followed by 450 sks Thixotropic, 14.40 density, 1.42 yield, 7.00 gal/sk water. Plug was not bumped. Estimate that 10 bbls slurry left in the casing. Top of cement on casing @ 2385' from bond log run on 02/09/2006. Set slips and nipple up wellhead. RD Rig.

02/03/2006 MIRU PU. Set pipe racks and tbg. Install BOP. SI

02/06-2006 Press test BOP, blind rams, and casing to 2000 psi. Held pressure for 30 minutes, no bleed off.



## Casing Report

Legal Well Name: EDITH BUTLER B-04  
 Common Well Name: EDITH BUTLER B-04  
 Event Name: ORIGINAL COMPLETION

Report #: 2  
 Start: 1/10/2006

Spud Date: 1/16/2006  
 Report Date: 1/25/2006  
 End:

## General Information

String Type: PRODUCTION CASING #1	Permanent Datum: KELLY BUSHING	Hole Size:	Hole TMD: 5,380.0 (ft)
Hole TVD: 5,380.0 (ft)	KB-Datum: 0.00 (ft)	Water TMD:	Str Wt on Slips: 35,000 (lb)
Ground Level: 3,330.00 (ft)	CF Elevation: (ft)	Liner Overlap: (ft)	Max Hole Angle: 2.50 (°)
Circ Hours: 24.00 (hr)	Mud Lost: (bbl)	KB to Cutoff: (ft)	Days From Spud:

## Casing Flange / Wellhead

Manufacturer: WOOD GROUP  
 Hanger Model:

Model:  
 Packoff Model:

Top Hub/Flange: (in) / (psi)  
 BTM Hub/Flange: (in) / (psi)

Actual TMD Set: 5,369.990 (ft)

## Integral Casing Detail

Item	Size (in)	Weight (lb/ft)	Grade	Drift (in)	Threads	JTS	Length (ft)	Top (ft)	MU Torq (ft-lbf)	THD	Manufacturer	Model	Cond.	Max OD (in)	Min ID (in)	Comp. Name
CASING JOINT(S)	5.500	15.5	J-55		LT&C	76	3,183.500									
PUP JOINT	5.500	15.5	J-55		LT&C	1	21.280	3,183.50								
CASING JOINT(S)	5.500	15.5	J-55		LT&C	33	1,386.110	3,204.78								
PUP JOINT	5.500	15.5	J-55		LT&C	1	21.150	4,590.89								
CASING JOINT(S)	5.500	15.5	J-55		LT&C	18	713.140	4,612.04								
CASING FLOAT COLLA	5.500	15.5	J-55		LT&C	1	1.100	5,325.18								
CASING JOINT(S)	5.500	15.5	J-55		LT&C	1	42.410	5,326.28								
CASING FLOAT COLLA	5.500	15.5	J-55		LT&C	1	1.300	5,368.69	5370							

