

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. <b>30-015-34077</b>
		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
		6. State Oil & Gas Lease No. <b>V-0993</b>
		7. Lease Name or Unit Agreement Name: <b>Indian Basin "32" State</b>
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other	<b>RECEIVED</b> JAN 18 2006 OCD-ARTESIA	8. Well Number <b>5</b>
2. Name of Operator <b>Marathon Oil Company</b>		9. OGRID Number <b>14021</b>
3. Address of Operator <b>P.O. Box 3487 Houston, TX 77253-3487</b>		10. Pool name or Wildcat <b>Indian Basin U. Perm Assoc. (33685)</b>
4. Well Location Unit Letter <b>D</b> : <b>629'</b> feet from the <b>North</b> line and <b>822'</b> feet from the <b>West</b> line Section <b>32</b> Township <b>21-S</b> Range <b>24-E</b> NMPM County <b>Eddy</b>		
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <b>3801' GR</b>		
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 has completed operations to drill, set, and test the production casing on the Indian Basin "32" State No. 5. Please see attachment for details of well work done.**

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. Kendrick TITLE Engineering Technician DATE 12/27/2005

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

E-mail address: **cekendrix@marathonoil.com**

Telephone No. **713-296-2096**

For State Use Only FOR RECORDS ONLY

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE JAN 19 2006

Conditions of Approval, if any:

## Indian Basin "32" State No. 5 Drill, Set, & Test Production Casing

08/01/2005 Drilled out float collar, cement, & float shoe @ 1250'.  
Rotary drilled & surveyed 8 3/4" open hole f/ 1250' to 1667'.

08/02/2005 Drilled 8 3/4" open hole f/ 1667' to 2336'.

08/03/2005 Drilled 8 3/4" open hole f/ 2336' to 3072'. POOH to change motors.

08/04/2005 RIH w/ new bit and motor. Drilled 8 3/4" open hole f/ 3072' to 3640'.

08/05/2005 Drilled 8 3/4" open hole f/ 3640' to 4275'.

08/06/2005 Drilled 8 3/4" open hole f/ 4275' to 4790'.

08/07/2005 Drilled 8 3/4" open hole f/ 4790' to 5360'.

08/08/2005 Drilled 8 3/4" open hole f/ 5360' to 5960'.

08/09/2005 Drilled 8 3/4" open hole f/ 5960' to 6516'.

08/10/2005 Drilled 8 3/4" open hole f/ 6516' to 6612'. Tripped for bit change. Drilled f/ 6612' to 6920'.

08/11/2005 Drilled 8 3/4" open hole f/ 6920' to 7400'. Pumped sweep around. Made 10 stand short trip. Drilled f/ 7400' to 7460'.

08/12/2005 Drilled 8 3/4" open hole f/ 7460' to 8118'.

08/13/2005 Drilled 8 3/4" open hole f/ 8118' to TD @ 8411'. Pumped sweep. Made 10 stand short trip. Pumped sweep. Pumped 80 bbls high viscosity gel pill on bottom. POOH laying down drill pipe, collars, and BHA.

08/14/2005 Rigged up Bull Rogers and ran 7' 26 & 23 lb K-55, LT&C casing in the following detail top to bottom:

Quantity	Weight	Length	Top	Bottom
2 jts	26 #	80.21'	0	80.21'
101 jts	23 #	4445.28'	80.21	4525.49'
46 jts	26 #	1986.21'	4525.49	6511.70'
1 stage collar		2.25'	6511.70	6513.95'
1 sub	26 #	6.50'	6513.95	6520.45'
1 external casing packer		10.00'	6520.45'	6530.45'
42 jts	26 #	1835.85'	6530.45'	8366.30'
1 float collar		1.30'	8366.30'	8367.60'
1 jt	26 #	41.90'	8367.60'	8409.50'
1 float shoe		1.50'	8409.50'	8411.00'

Pumped 50,000 SCF nitrogen, 1000 gals Super flush 101, 100 sks Acid soluble (Foamed) Cement + 2% Zonesalant mixed @ 15.0 ppg, 2.48 cuft/ sk Yield. Pumped 300 sks Premium (Foamed) cement + 2% Zonesalant mixed @ 15.2 ppg, 1.25 cuft/sk Yield. Pumped 120 sks Super H cement + 0.5% Halad 344 + 0.4% CFR3 + 5 pps Gilsonite + 1 pps salt + 0.2% HR7 mixed @ 13.0 ppg, 1.67 cuft/sk Yield. Dropped plug and displaced to float collar. Bumped plug and enflated ECP. Got nitrogen and foamed

cement returns. Dropped bomb. Waited 30 minutes and opened DV tool.  
Pumped in at 4 bpm w/ 2000 psi. Hole bridged off. Decision to abort second stage job.  
Dropped plug and closed DV tool. Rigged down cementers.

08/15/2005	Rigged down BOP. Set Casing slips. Cut off 7" casing & installed tubing head and tree. Tested head to 3000 psi.
08/16/2005	Released drilling rig.
08/18/2005	Rigged up work-over rig.
08/19/2005	PU 6 1/8" bit, 7" casing scraper, 6 – 4 3/4" drill collars, x-over, RIH on 198 jts 2 3/8" L80 tubing. Tagged DV tool @ 6511' drilled out. Tagged PBTD @ 8350'. PUH 1 jt. closed pipe rams tested casing to 750 psi for 40 minutes. Held pressure w/ no bleed off. SI

**Keltic Services, Inc**

Box 1857  
Artesia, NM  
88211

**505 748 3759****RECEIVED**

JAN 18 2006

**OCU-ARTESIA****Temperature Survey**

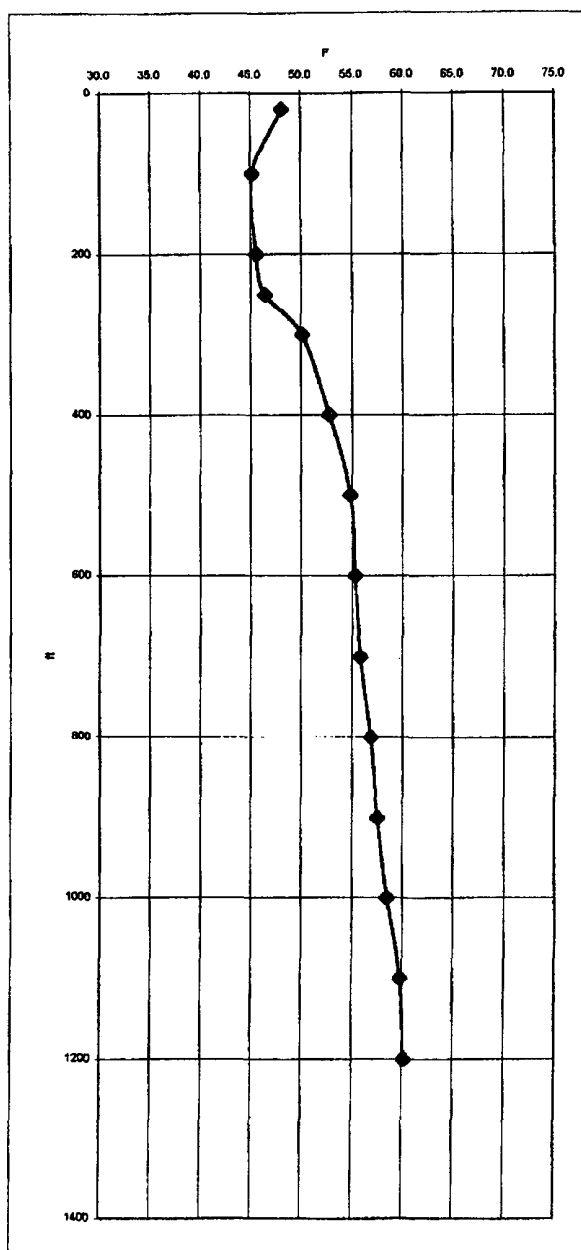
Company	MARATHON OIL	Date	06/28/05
Well	INDIAN BASIN 32 STATE #5	Time Plug Down	1800 hrs
		Time Start Survey	1130 hrs
		Time End Survey	1230 hrs
Casing String	<del>Intermediate</del> <sup>Surface</sup>	Depth Reached	1200 ft

**Cement Top            250 ft.****Gauge            205****Operator:        Julian****Witness: JESUS GONZALES**

Keltic Services Inc  
Temperature SurveyCompany MARATHON OIL  
Well INDIAN BASIN 32 STATE #5Date 6/28/05  
Plug Down 1800 hrs  
Survey Start 1130 hrs  
Operator Julian

Cement Top 250 ft

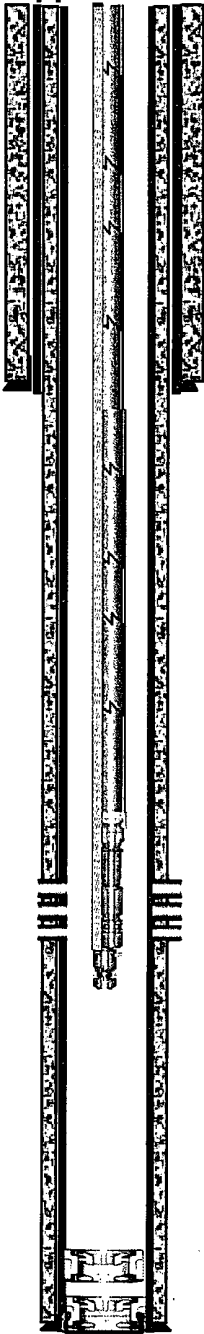
Depth ft	Temp. °F	Comments
20	48.1	
100	45.2	
200	45.6	
250	46.4	CT
300	50.1	
400	52.8	
500	54.9	
600	55.3	
700	55.8	
800	56.9	
900	57.6	
1000	58.5	
1100	59.8	
1200	60.2	





Indian Basin "32" State No. 5 (Directional Well)  
Indian Basin Upper Penn Associated

Marathon Oil Company  
Indian Basin "32" State No. 5  
5-Jan-06



GL elev. 3801'  
14 3/4" hole to 372'

Surface Casing 12 1/4" Hole f/ 372' to 1250'  
9 5/8" 36# set @ 1250' Cmt'd w/ 1000 sks

Bottom of 2 7/8" tubing @ 8210'

Upper Penn Perforations 7472' - 8050'

Intake on ESP @ 8250'

CIBP @ 8744'

PBTD 8366' MD  
TD 8411' MD

7" casing @ 8411' cemented w/ 520 sks

Well Name & Number:	Indian Basin "32" State No. 5		Lease	V-0993		
County or Parish:	Eddy	State/Prov.	New Mexico	Country:	USA	
Perforations: (MD)	7472' - 8050'		(TVD)			
Date Completed:	09/02/05				RKB:	
Prepared By:	Charles Kendrix		Last Revision Date:	01/05/06		