

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88240
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.	30-015-30703
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No.	E-7437
7. Lease Name or Unit Agreement Name	Indian Hills Unit NM-70964-B
8. Well Number	16
9. OGRID Number	014021
10. Pool name or Wildcat	Indian Basin (Morrow)

Month - Year
505 FEB - 9 2007
OCD - ARTESIA, NM

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 ☐ Gas Well ☒ Other ☐

2. Name of Operator
Marathon Oil Company ATTN: Charles E. Kendrix

3. Address of Operator
P.O. Box 3487 Houston, Texas 77253-3487

4. Well Location
Unit Letter E : 2,200 feet from the North line and 660 feet from the West line
Section 17 Township 21-S Range 24-E NMPM County Eddy

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3,914' GR

Pit or Below-grade Tank Application ☒ or Closure ☐

Pit type STEEL Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water N/A

Pit Liner Thickness: STEEL mil Below-Grade Tank: Volume 180 bbls; Construction Material STEEL

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 checked="" 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"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/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.

See attached proposed plugging procedure

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 James F. Newman TITLE James F. Newman, P.E. (Triple N Services) DATE 02/06/07

Type or print name
For State Use Only
E-mail address: jim@triplenservices.com Telephone No. 432-687-1994

APPROVED BY: Phil Hankin TITLE Phil DATE 2/13/07
Conditions of Approval (if any):

Proposed Plugging Procedure
Marathon Oil Company
Indian Hills Unit #16
API #30-015-30703

Surface casing: 9 $\frac{5}{8}$ " 36# J-55 @ 2,409', cmt circulated
Production csg: 4 $\frac{1}{2}$ " 11.6# N-80 @ 9,869' cmt'd w/ 975 sx, TOC 6,500' calculated
Open perfs: 9,324 – 9,357' (Atoka)
Tubing/packer: 2 $\frac{3}{8}$ " 4.7# L-80 EUE with Arrowset 1x 19K packer w/ 1.875" 'F' profile nipple & on/off tool @ 9,284', EOT @ 9,358'

1. Notify NMOCD prior to move-in & daily with plugs. Set 180 bbl steel work pit and flow well down as needed.
2. MIRU plugging equipment. NU BOP. Release packer and POOH standing back production tubing. Lay down packer.
3. RIH w/ HM tbg-set CIBP on production tubing, set CIBP @ 9,300'. Circulate hole w/ mud and pump 25 sx cmt on top of CIBP. **Atoka plug**
4. ND wellhead and stretch 4 $\frac{1}{2}$ " casing to determine freepoint.
5. RIH w/ wireline and cut 4 $\frac{1}{2}$ " casing @ freepoint based on stretch, estimated ~6,500'. POOH w/ wireline. RU casing tools and POOH w/ 4 $\frac{1}{2}$ " casing. RD casing tools. RIH w/ tubing to 50' inside casing stub and pump 40 sx C cmt w/ 2% CaCl₂. If casing is not free, RIH w/ tubing and pump 25 sx C cmt w/ 2% CaCl₂ 50' below casing cut. WOC & TAG this plug. **Casing stub & base of salt plug**
6. POOH w/ tbg to 4,437'. Load hole w/ plugging mud and pump 40 sx C cmt 4,437 – 4,337'.
7. POOH w/ tbg to 3,200'. Load hole w/ plugging mud and pump 40 sx C cmt 3,200 – 3,100'.
8. POOH w/ tbg to 2,458'. Load hole w/ mud and pump 65 sx C cmt w/ 2% CaCl₂ 2,458 – 2,358'. WOC & TAG this plug no deeper than 2,358'. POOH w/ tubing. **surface casing shoe plug**
9. POOH w/ tbg to 848'. Load hole w/ mud and pump 35 sx C cmt 848 – 748'. POOH w/ tubing. **San Andres plug**
10. ND BOP and wellhead. RIH w/ tubing to 60' and pump 20 sx C cmt 60' to surface. RDMO.
11. Close working pit. Cut off wellhead and install dryhole marker. Cut off anchors and level location.

Indian Hills Unit No. 16

as of 2-11-03

GL: 3914'

KB: 3929'

Operator: Fasken Oil and Ranch, Ltd.

Location: 2200' FNL and 660' FWL

Sec 17, T21S, R24E

Eddy County, NM

Compl.: 06/16/2000 released rig

API #: 30-015-30703

TD: 9875'

PBTD: 9,515' (CIBP@9550' w/35' cmt)

9821.44' FC

Casing: 9-5/8" 36# J-55 @ 2408.74 KB

200 sx"H", 710sx"C" 4%gel+200sx"C"

1" w/550 sx Class "C" w/4% gel

TOC surf

4-1/2" 11.6# N-80 @ 9,868.94'

500 sx BJ Lite+475 sx Super C mod

9-5/8" 36# J-55 @ 2408.74 KB

200 sx"H", 710sx"C" 4%gel+200sx"C"

1" w/550 sx Class "C" w/4% gel

TOC surf

Tubing: 1- 3-3/8" Bull Plug 0.58'

1- 3-3/8" Loaded Section 33.00'

1- 11' Prop Gun and Blank Section 15.65'

1- 3-3/8" KV Firer 0.56'

1- X-O 2.33'

1- 2-3/8" x 10' EUE 8rd L-80 Tubing Sub 10.15'

1- 2-3/8" Tbg Release w/ 1.81" Latch 1.56'

1- 2-3/8" x 10' EUE 8rd L-80 Tbg Sub 10.08'

Pkr: 1- 2-3/8" x 4-1/2" Arrowset 1X 10K Packs 6.20' @ 9284'

1- TOSSD w/ 1.875" "F" Frac Hardened P 1.46' @ 9278'

1- 2-3/8" EUE 8rd L-80 Tubing Joint 31.28'

1- 2-3/8" x 6' Locator Sub 6.12' @ 9245'

294 jts- 2-3/8" EUE 8rd L-80 Tubing 9164.60'

1- 2-3/8" EUE 8rd L-80 x 10' Sub 10.12'

2- 2-3/8" EUE 8rd L-80 x 8' Subs 16.15'

1- 2-3/8" EUE 8rd L-80 x 2' Sub 2.10'

1- jt. 2-3/8" EUE 8rd L-80 Tubing 31.20'

9343.14'

Below KB

+15.00'

Bottom of String @

9358.14'

Perfs: Morrow Atoka

9626'-9636' 9324'-9330'

9658'-9670' 9350'-9357'

9688'-9697'

9700'-9702'

9704'-9707'

Pkr: 6.20' @ 9284'

9324'-9330'

9350'-9357'

9,515' (CIBP@9550' w/35' cmt)

9626'-9636'

9658'-9670'

9688'-9697'

9700'-9702'

9704'-9707'

Hole Sizes 12-1/4" 2410'

8-3/4" 9,875'

Currently Shut-in

PBTD: 9821.44' FC

TD: 9875'

4-1/2" 11.6# N-80 @ 9,868.94'

cwb

12/1/2003

IHU16 wb diagram.xls