

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. 30-015-29837
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: David Crockett 27 State
8. Well Number 1
9. OGRID Number 14021
10. Pool name or Wildcat Upper Penn (59860)

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 <input type="checkbox"/>	NOV 05 2007
2. Name of Operator Marathon Oil Company	OCD-ARTESIA
3. Address of Operator P.O. Box 3487 Houston, TX 77253-3487	
4. Well Location Unit Letter <u>K</u> : <u>1650</u> feet from the <u>South</u> line and <u>1980</u> feet from the <u>West</u> line Section <u>27</u> Township <u>18S</u> Range <u>28E</u> NMPM County <u>EDDY</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3558	
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: Isolate Perfs & Add Perforations & Acidize ☒

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 isolate the lower Upper Penn (Canyon) and add perforations in the Upper Penn. Marathon also completed an acid treatment on the upper perforations. Please see attachment for details of well work and an updated wellbore diagram showing the well with the new perforations.

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 Reg Compliance Rep DATE 10/26/07
E-mail address: cekendrix@marathonoil.com
Type or print name Charles E. Kendrix Telephone No. 713-296-2096

For State Use Only

APPROVED BY FOR RECORDS ONLY TITLE _____ DATE NOV 05 2007
Conditions of Approval, if any:

David Crockett 27 State No 1

Isolate Penn (Canyon) Perforate Upper Penn

06/11/07 MIRU PU. Tried to bleed down well. Well wouldn't bleed dn. SI well

06/12/07 RU Reverse Unit. Bled dn well. Unseat pump & POOH w/ 130 fbg rods. SI well.

06/13/07 Bled dn well. Finish POOH w/ steel rods and pump. RU Hot Oiler, Pumped 75 bbls hot water w/ dispensent to cleanup for Scanlog. ND WH Unset TAC, NU BOP, RU Scanlog. POOH w/ 16' stands. SI well waiting on scanner cable.

06/14/07 Scan tby out of hole. RIH w/ bit & csg scraper to 9700'. PUH to 8450'. SI well.

06/15/07 POOH w/ bit & scraper. Test BOP. RIH w/ CIBP on tbg to 9630'. Set CIBP @ 9627', (64' above top perf @ 9681' in Canyon). SI well.

06/18/07 Load and circ hole clean w/ 400 bbls 2% KCL water. Tested CIBP to 500#. RU McClaskey acid pump truck. Pump 500 gals 7 1/2% HCL acid, displaced acid w/ 42 bbls 2% KCL water (pickled tbg). Reversed acid off w/ 69 bbls KCL. Pumped 500 gals 12% HCL acid displaced w/ 52.5 bbls KCL to spot over new perforations interval. POOH w/ tbg. SI well.

06/19/07 RU Baker Atlas wireline. Test lubricator to 1000 psi. Perforate Upper Penn w/ 4" Predator gun carrier tag CIBP @ 9627'. Shot Upper Penn w/ 39 gram charges w/ 2 JSPF, 120° phasing, w/ collar locator in 9 gun runs w/ 9 intervals as follows:

Interval	Feet	Shots
9204 – 9210	6	12
9242 – 9247	5	10
9254 – 9258	4	8
9269 – 9271	2	4
9281 – 9321	40	80
9321 – 9326	5	10
9347 – 9349	2	4
9404 – 9414	10	20
9426 – 9447	<u>21</u>	<u>42</u>
Totals	95'	190 shots

RIH w/ dump bailer, Dump 10' cmt on CIBP @ 9627' top of cmt @ 9617'. RD Baker Atlas wireline. Shut in well.

06/20/07 RIH w/ Arrow Set 1-X pkr, 2 7/8" F Profile nipple, On/Off tool, 4' tbg sub, SN, 296 jts 2 7/8" L-80 tbg. Tested tbg to 7000 psi going in hole. Pumped 280 bbls pkr fluid. Set pkr @ 9080'. Finished load & test TIW valve, tbg, pkr, and CIBP to 500 psi. ND BOP. Installed pretested wellhead tree assembly. SI well.

06/21/07 RU Halliburton acid pump truck. Test lines to 8000 psi. Pumped 10 bbls 15% MCA acid, started dropping ball sealers, 1.1 sealers for first 100 bbls, 2 sealers for 2n 100 bbls. No ball out well went on vacuum, but came back to zero when stop pumping. Flushed acid w/ 76 bbls KCL water. SI well. RD Halliburton. RU swab. Swabbed back 56 bbls water in 14 runs. SI well.

06/22/07 TP=50. Bled down. RU swab. IFL @ 1600'. Made 36 swab runs, recovered 216 bbls water. FFL @ 1600'. Have 861 bbls load still to recover. SI well.

06/25/07 TP=20. RU swab. IFL @ 1400'. Made 23 swab runs recovered 166 bbls water. FFL@1600'. Total load left to recover 695 bbls. Unset pkr. POOH w/ tbg & pkr. RIH w/ kill string. SI well.

06/26/07 POOH w/ kill string. RIH w/ mud jt, seating nipple, 2 jts Enduro alloy tbg, 11 jts 2 7/8" L-80 tbg, 7" TAC, 296 jts 2 7/8" L-80 tbg. ND BOP, Set TAC @ 9073' in 12 pts tension. SN @ 9474'. Bottom of tbg @ 9504'. RIH w/ rod insert pump (2.5"X1.5"X30'), and rods. SI Well

06/27/07 Finish RIH w/ 136 fglass rods w/ 30' fglass subs. Load and test pump action. Tubing would not load and hold. SI well.

06/28/07 POOH w/ rods & pump. Remove well head. Unset TAC, POOH w/ tbg, and BHA. Change out SN with Mechanical seating nipple. RIH w/ BHA , and TAC. SI well.

06/29/07 Cont in hole. Set TAC @ 9073'. SN @ 9474, bottom of tbg @ 9504'. PBTD @ 9617' CIBP @ 9627'. RIH w/ insert pump & rods. Loaded & test pump action. Leave well pumping to facilities.

06/30/07 RDMO PU. Well pumping to facilites.



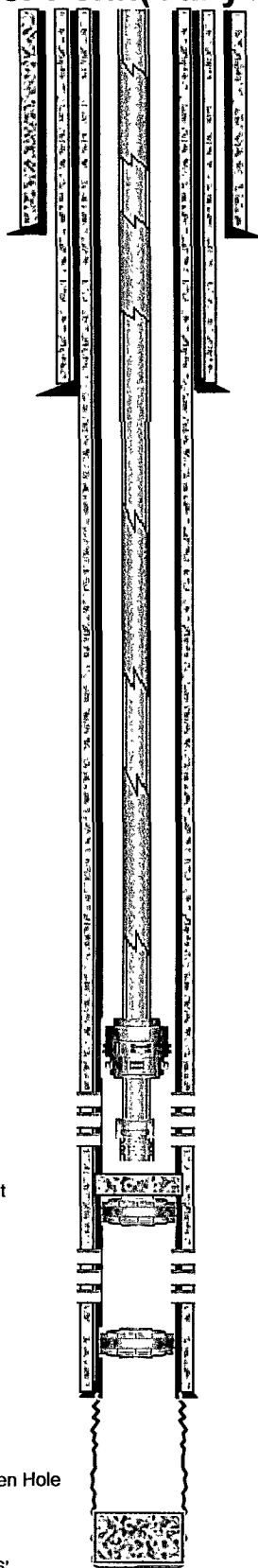
David Crockett 27 State No 1

Isolate Lower Penn(Canyon) Add UP

GL Elevation 3559'

Marathon Oil Company
David Crockett 27 State No 1
UL"K", 1650 FSL & 1980 FWL
Sec 27, T-18-S, R-28-E
26-Oct-07

d



Surface Casing

13 3/8" 48# H-40 set @ 445' w/ 470 sks cmt.

Intermediate Casing

9 5/8" 36# K-55 set @ 2821' w/ 1395 sks cmt.

TAC @ 9073'

Upper Penn Perforations

9204'-9210', 9242'-47', 9254'-58, 9269'-71',
9281'-9326', 9347'-49', 9404'-14', 9426'-47'

Isolated Lower Penn (Canyon Perfs)

9681'-9711', 9736'-65', 9791'-9805'

Production Casing

7" 23 & 26# L-80/K-55 Set @ 10,144' Cmtd w/ 1050 sks

10,044 - 10,499' Atoka Open Hole

135 sks cmt plug f/ 10,499' to 11,076'

SN @ 9474'
BOT @ 9504'
CIBP @ 9627' w/ 10' cmt
on top

CIBP @ 10,000'

6 1/8" Open Hole

TD 11,076'

Well Name & Number:	David Crockett 27 State No 1		Lease	David Crockett 27 State	
County or Parish:	Eddy	State/Prov.	New Mexico	Country	USA
Perforations: (MD)	9204' - 9426'		(TVD)	11,076	
Date Completed:	06/30/07			RKB:	
Prepared By.	Charles Kendrix		Last Revision Date:	10/26/07	