

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, 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-101
May 27, 2004

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Rubicon Oil & Gas, LLC 508 West Wall St STE 500 Midland, TX 79701		² Ogrd Number 194266	
³ Property Code 35098		⁴ API Number 30 - 025-30186	
⁵ State "15"		⁶ Well No. #1	
⁷ Proposed Pool 1 Wildcat		⁸ Proposed Pool 2 Talk Abo North	

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	15	14S	32E		1650	North	1980	East	Lea

⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Additional Well Information

¹¹ Work Type Code E	¹² Well Type Code O	¹³ Cable/Rotary Rotary	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 4310'
¹⁶ Multiple No	¹⁷ Proposed Depth 13,160	¹⁸ Formation Silurian	¹⁹ Contractor	²⁰ Spud Date 9/25/2005
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
<input checked="" type="checkbox"/> Liner: Synthetic 12_mils thick Clay <input type="checkbox"/> Pit Volume 7500 bbls Drilling Method: Closed-Loop System <input type="checkbox"/>				
According to operator we do not expect to encounter H2S during the proposed recompletion of the Abo Fresh Water X Brine X Diesel/Oil-based <input type="checkbox"/>				

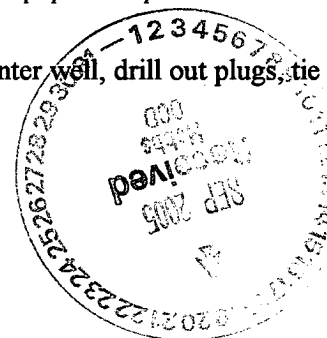
²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8"	48#	345'	405 sxs CLC	Surface
12 1/4"	9 5/8"	36# 40#	4000'	1575 sxs	Surface
8 3/4"	5 1/2"	17#	9915'	550 sxs	7900'

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Original well drilled by Marathon Oil Co 2/20/1988. P&A'd well 5/23/1988. Propose to re-enter well, drill out plugs, tie into existing 5 1/2" casing @ 4565', set CIBP approx. 9074', perforate Abo @ 8860-8974'

Permit Expires 1 Year From Approval
Date Unless Drilling Underway
Re-Entry



²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☒

OIL CONSERVATION DIVISION

Approved by:

Title: SEP 20 2005

Approval Date:

PETROLEUM ENGINEER

Printed name: Kay Maddox

Title: Regulatory Agent

E-mail Address: Cyquest5@yahoo.com

Date: 9/16/2005

Phone: (432) 638-8475

Conditions of Approval Attached ☐

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised June 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-30186		² Pool Code 60265		³ Pool Name Tulk Wildcat - Abo North	
⁴ Property Code V-672 35098		⁵ Property Name State "15"			⁶ Well Number # 1
⁷ OGRID No. 194266		⁸ Operator Name Rubicon Oil & Gas, LLC			⁹ Elevation 4310'

¹⁰ Surface Location

UL or lot no. G	Section 15	Township 14S	Range 32E	Lot Idn	Feet from the 1650	North/South line North	Feet from the 1980	East/West line East	County Lea
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres .80 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁴ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature <i>Kay Maddox</i> Printed Name Kay Maddox Regulatory Agent Cyquest5@yahoo.com Title and E-mail Address September 12, 2005 Date
	¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey Signature and Seal of Professional Surveyor: Certificate Number

ORIGINAL OPERATOR:

Marathon Oil Company

SPUD DATE: 12/31/1987

ELEVATION: 4330' KB

Rubicon Oil & Gas, LLC

State 15-1

1650' FNL & 1980' FEL (Unit G)

Section 15, T14S, R32E,

Lea County, New Mexico

API No: 30-025-30186

17 1/2" Hole →
13 3/8" @ 345' Cmt'd.
w/405 sx. Circ. to surface.

12 1/4" Hole →

9 5/8" 36 & 40# @ 4000'
Cmt'd. w./1575 sx.

Deviation Record:

4000 1/2

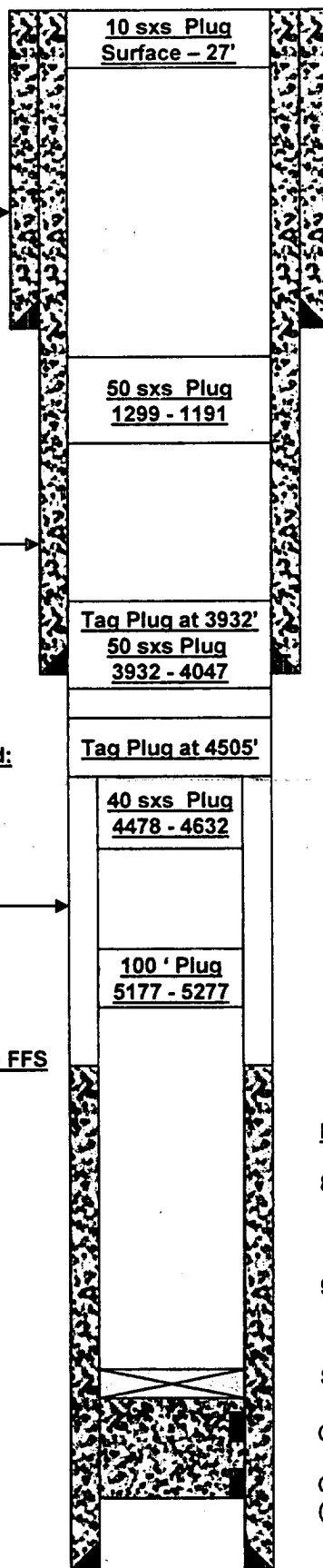
4497 1/2

5003 1

8 3/4" Hole →

Est TOC at 7900 FFS

5 1/2" 17# @ 9915'
Cmt'd. w/550 sx.



Top of 5 1/2" csq stub at 4565' by Freepoint
Cut w/ Jet Cutter: Pulled 105 joints 5 1/2 casing

DST's:

8860 - 8974 (ABO) Good ML Show - Oil on Pits
Mud Entry Only
FP 87 - 87 psi; 120" FSIP 3175

9780 - 9812 (Cisco) 468' Oil + 120' OCM
FP 130 - 217; 120" FSIP 2578

Set Cmt Ret at 9710 and sqz Cisco w/ 50 sxs (5/1988)

Cisco Perfs 9792 - 9802; Az w/ 550 Gal 15% HCL

Cisco Perfs 9812 - 9816; Az w/ 250 Gal 15% HCL
(Sqz w/ 10 sxs in 4/1988)

TD: 13,160.

PBTD: 9850' (4/1988)

P&A: 5/23/1988

PREPARED BY: A. Burseson
06/06/05

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**NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

Form C-105
Revised 11-84

5a. Indicate Type of Lease
State ☒ Fer ☐

5. State Oil & Gas Lease No.
V-672

7. Unit Agreement Name

8. Term or Lease Name

State "15"

9. Well No.

1

10. Field and Pool, or Wildcat

Wildcat

12. County

Lea

10. TYPE OF WELL

D. TYPE OF COMPLETION

NEW WELL ☒

WORK OVER ☐

DEEPEN ☐

PLUS BACK ☐

DIFF. RESVR. ☐

OTHER ☐

OIL WELL ☐

GAS WELL ☐

DRY ☒

1. Name of Operator

Marathon Oil Company

3. Address of Operator

P.O. Box 552, Midland, Texas 79702

4. Location of Well

UNIT LETTER G LOCATED 1650 FEET FROM THE North LINE AND 1980 FEET FROM

THE East LINE OF SEC. 15 TWP. 14S RGE. 32E

15. Date Spudded

12-31-87

16. Date T.D. Reached

2-20-88

17. Date Compl. (Ready to Prod.)

4-7-88

18. Elevations (DF, H&B, RI, GR, etc.)

4310' GL: 4330' KB

19. Elev. Casinghead

4310' GL

20. Total Depth

13,160'

21. Plug Back T.D.

9,850'

22. If Multiple Compl., How Many

N/A

23. Intervals Drilled By

Rotary Tools

Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name

9812'-9816' KB Cisco (Sqz'd) 9792'-9802' KB Cisco

25. Was Directional Survey Made

No

26. Type Electric and Other Logs Run

GR-LSS, GR-DLL-MSFL, GR-CNL-LDT, GR-CBL

27. Was Well Cored

Yes

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	345'	17-1/2"	405 sx Class "C"	
9-5/8"	36#, 40#	4000'	12-1/4"	1325 sx "Lite": 250 sx Class "H"	
5-1/2"	17#	9915'	8-3/4"	300 sx "Lite": 250 sx Class "H"	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-7/8"	9756'	9756'

31. Perforation Record (Interval, size and number)

9812'-9816' w/4 JSPF (16 holes; .41" Dia.)

9792'-9802' w/4 JSPF (40 holes; .41" Dia.)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
9812'-9816'	250 Gals. 15% HCl
9812'-9816'	Squeeze w/10 sx Class "C"
9792'-9802'	550 Gals. 15% HCl

33. PRODUCTION

Date First Production _____ Production Method (Flowing, gas lift, pumping - Size and type pump) _____ Well Status (Prod. or Shut-in) P & A'd

Date of Test _____ Hours Tested _____ Choke Size _____ Flow'n. For Test Period _____ Oil - Bbl. _____ Gas - MCF _____ Water - bbl. _____ Gas-Oil Ratio _____

Flow Tubing Press. _____ Casing Pressure _____ Calculated 24-hour Rate _____ Oil - Bbl. _____ Gas - MCF _____ Water - Bbl. _____ Oil Gravity - API (Corr.) _____

34. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By _____

35. List of Attachments

Inclination Survey; Log List from #26 Above

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED

-J. R. Jenkins

TITLE Hobbs Production Superintendent

DATE 8/23/88

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-101
Revised 10-1

3a. Indicate Type of Lease
State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
3. State Oil & Gas Lease No.
V-672

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 TO DRILL" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator Marathon Oil Company	8. Farm or Lease Name State "15"
3. Address of Operator P.O. Box 552, Midland, Texas 79702	9. Well No. 1
4. Location of Well UNIT LETTER <u>G</u> <u>1650</u> FEET FROM THE <u>North</u> LINE AND <u>1980</u> FEET FROM THE <u>East</u> LINE, SECTION <u>15</u> TOWNSHIP <u>14S</u> RANGE <u>32E</u> NMPM.	10. Field and Pool, or Wildcat Wildcat
11. Elevation (Show whether DF, RT, GR, etc.) 4310' GL; 4330' KB	12. County Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>

SUBSEQUENT REPORT OF:

REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
COMMENCE DRILLING OPS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <input type="checkbox"/>

17. 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.

Marathon Oil Company initiated plugging and abandonment operations on the above referenced well on May 17, 1988 w/completion of abandonment on May 23, 1988. Following is the procedure.

1. RU PU. Released packer @ 9664' and POOH w/2-7/8" tubing and packer.
2. RIH w/retrieving tool for 5 1/2" RBP on 2-7/8" tbg. Released RBP @ 9808' & POOH.
3. RIH w/5 1/2" cement retainer on 2-7/8" tubing and set retainer @ 9710'. RU cementers and pressured annulus to 1000#. Squeezed perforations from 9792'-9816' w/50 sacks Class "H" cmt.
4. POOH w/retainer & reversed tubing clean. Displaced hole w/10# salt gel plugging mud. POOH w/2-7/8" tbg w/retainer stinger.
5. Removed BOP and C-Section on wellhead. Welded on 5 1/2" pick-up sub. Installed csg jacks & removed slips. RU wireline truck, RIH w/free point tool, found free point @ 4582' FS, removed casing jacks and installed BOP.

(Continued on Attachment I)

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED J.R. Jenkins TITLE Hobbs Production Superintendent DATE 8/18/88

APPROVED BY R. A. Linder TITLE Assistant Superintendent DATE 8/18/88

CONDITIONS OF APPROVAL, IF ANY:

Attachment I

Item 17 (Continued)

6. RU jet cutter and pack-off, tested to 1000#. Cut 5½", 17#, N-80, LT&C @ 4565'. RD wireline truck. POOH w/105 jts of 5½" casing.
7. Changed out rams, RIH w/2-7/8" tubing to 5277'. RU cementers, spot 100' cmt plug from 5277'-5177'. Reversed tubing clean. Pulled 2-7/8" tubing to 4632', spot 40 sack plug from 4632'-4478'.
8. RIH w/2-7/8" tubing, tagged plug @ 4505'. SOOH w/2-7/8" tubing to 4047', spot 50 sack cmt plug across 9-5/8" casing @ 4000'. WOC 4 hrs, tagged plug @ 3932'. PU 2-7/8" tubing to 1299', spot 50 sack cmt plug from 1299'-1191'. FOOH w/2-7/8" tubing, removed BOP, RIH w/1 jt 2-7/8" tubing, spot 10 sack surface plug 27'-surface.
9. POOH w/2-7/8" tubing. RD cementers, RD pulling unit, cut-off wellhead and set dry hole marker.
10. Well P & A'd 5-23-88.