

Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

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

WELL API NO. 30-015-33181
5. Indicate Type of Lease STATE [] FEE [x]
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Merland
8. Well Number 2
9. OGRID Number 372098
10. Pool name or Wildcat Carlsbad; Strawn, South (Gas)

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 [x] Other []
2. Name of Operator Marathon Oil Permian LLC
3. Address of Operator 990 Town & Country Blvd. Houston, TX 77024
4. Well Location Unit Letter C : 990 feet from the NORTH line and 1980 feet from the WEST line
Section 30 Township 22S Range 27E NMPM County EDDY
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3174' GL

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:
PERFORM REMEDIAL WORK [] PLUG AND ABANDON [x]
TEMPORARILY ABANDON [] CHANGE PLANS []
PULL OR ALTER CASING [] MULTIPLE COMPL []
DOWNHOLE COMMINGLE []
CLOSED-LOOP SYSTEM []
OTHER: []
SUBSEQUENT REPORT OF:
REMEDIAL WORK [] ALTERING CASING []
COMMENCE DRILLING OPNS. [] P AND A []
CASING/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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

5/2/2023 Move in WO rig
5/3/2023 RU WO rig and spot equipment
5/4/2023 Drill out cement surface - 3.5'
5/5/2023 Continue drlg to 411'
5/9/2023 Continue dlg to 2060', fell out of 4th cement plug, circ well clean, being TOH to C/O bit
5/10/2023 RBH w/ new drlg BHA, tag TOC 4989' - 5014', displace hole w/ 10.2 brine, drill to 5113', circ hole clean
5/11/2023 Drill cement 5113' - 5289', fell out cement, RIH to 5400', circ hole clean, LD WS & BHA
5/12/2023 RIH GR/IB to 8000' on E-line and POOH, log (CBL) well from 8000' to surface
5/15/2023 Log (acoustic noise) from 5500' to surface
5/16/2023 PT csg to 700 psi for 10 mins (pass), RIH tbg to 5416'
5/17/2023 Spot 25 sks Class C, tag TOC at 5071', shot perfs 4466' & 4363', set pkr 4409', circ 100 bbls, POOH pkr, RIH w/ CICR to 2503'
5/18/2023 RIH and set CICR 4409', P&S 40 sks Class C, tag TOC 4409', spot 25 sks Class C balanced plug, tag TOC 4227', shoot perfs 3460' & 3320'
5/19/2023 RIH and set pkr 3408', circ hoe clean, RIH and set CICR 3408', P&S 40 sks Class C, tag TOC 3360', spot 25 sks Class C to cover original perfs 3320'
5/22/2023 POOH tbg, shot perfs 2475' & 2375', set pkr 2428', circ hole clean, RIH and set CICR 2428', P&S 40 sks Class C
5/23/2023 Tag TOC 2364', pull up tbg and spot 25 sks Class C, tag TOC 2240', PT csg to 700 psi (pass), spot 35 sks Class C at 2076'
5/24/2023 Tag TOC 1705', shot perfs 1000' & 650', set pkr 750', circ hole clean, set CICR 750', P&S 75 sks Class C, Tag TOC 715', pull up and spot 25 sks Class C
5/25/2023 Tag TOC 437' (original perfs 426'), PT casing to 500 psi (fail), P&S 10 sks Class C, tag TOC at 315'
5/26/2023 Spot 30 sks Class C from 260' to surface, LD tbg, top off well w/ 0.5 bbls Class C, RDMO WO rig
9/6/2023 Cut and cap well, insall DHM, backfill cellar

Approved for plugging of well bore only. Liability under bond is retained pending Location cleanup & receipt of C-103Q (Subsequent Report of Well Plugging) which may be found at OCD Web Page, OCD Permitting @ www.emnrd.state.nm.us

Spud Date:

2/6/2004

Rig Release Date:

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

SIGNATURE Adrian Covarrubias TITLE Adv. Regulatory Compliance Rep. DATE 10/24/2023

Type or print name Adrian Covarrubias E-mail address: acovarrubias@marathonoil.com PHONE: 713-296-3368

For State Use Only

APPROVED BY: [Signature] TITLE Staff Manager DATE 10/31/23
Conditions of Approval (if any):

Well Name		Merland 2		Current	
API		30-015-33181			
Location		Eddy County, NM			
Section Township Range		20 22S 27E			
Elevation		3,174			
Spud Date		2/6/2004			
WBD Drawn By		Dmitry Andreev 10/19/2023			
Plug Depths MD	Depth MD	Casing / Cement Details		SITP	1200 psi
0	14	Conductor		Prior to P&A Operations	
	60	Spot 30 sxs Class C			
260	270				
315	376	Spot 10 sxs Class C		13-3/8 61# J-55 cement circ. 871 sxs Class C w/ 276 excess	
	426	Spot 100 sxs Class C			
437					
	650				
	750				
	1,000				
1,705	1,865	Spot 35 sxs Class C			
2,076	2,050				
2,204		P&S 40 sxs Class C			
2,364	2,375				
2,428	2,475				
2,570		Spot 25 sxs Class C			
3,340	3,320	P&S 40 sxs Class			
3,380	3,460			9-5/8 Stage tool 500 sxs lead, 100 sxs tail	
	4,363	40 sxs Class C			
4,409	4,466			CICR	
	4,780			Calc Production TOC Stage 2 from State files	
5,071	5,304	Spot 25 sxs Class C		Perf, attempt to inject at 700 psi, no pump in. 9-5/8 40/36# J-55 cmt 740 Class C Lead, 75 sxs Tail	
5,416					
	8,149			5-1/2 Stage tool Cmt 320 sxs Class C Lead. 50 Sxs Tail	
8,263	8,400			Perf Attempt to inject, but could not pump in	
8,460					
8,724					
8,921					
10,027	10,274			TAG TOC W/ WS 10,027 CIBP w 25 SXS CMT	
	10,324				
	10,347	Strawn Perforations		Well experienced a blowout on 3/11/2004 prior	
11,218	11,450	WLM		Tag TOC W/ WS CIBP w/ 20 sxs cmt	
11,773	11,815			PBD 5-1/2" 20# L-80, CMT with 785 sxs lead, 50sxs tail	

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CONDITIONS
 Action 278752

CONDITIONS

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 278752
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
gcordero	None	10/31/2023