

Submit Copy To Appropriate District 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. 30-015-23520
5. Indicate Type of Lease STATE [ ] FEE [x]
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Harroun Com
8. Well Number 1
9. OGRID Number 372098
10. Pool name or Wildcat Dublin Ranch; Morrow (Gas)
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3064' GL

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 B : 660 feet from the FNL line and 1980 feet from the FEL line
Section 33 Township 22S Range 28E NMPM County EDDY
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3064' GL

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 COMPL [ ]
DOWNHOLE COMMINGLE [ ]
CLOSED-LOOP SYSTEM [ ]
OTHER: [ ]
SUBSEQUENT REPORT OF:
REMEDIAL WORK [ ] ALTERING CASING [ ]
COMMENCE DRILLING OPNS. [ ] P AND A [x]
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.

Please see attached.

Spud Date: [ ]

Rig Release Date: [ ]

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

SIGNATURE [Signature] TITLE Adv. Regulatory Compliance Rep. DATE 4/18/2023

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

For State Use Only

APPROVED BY: [Signature] TITLE Petroleum Specialist DATE 05/08/2023
Conditions of Approval (if any): [ ]

**Harroun Com 1**

**API 30-015-23520**

**P&A – As Plugged Procedure**

2/21/2023 – MIRU

2/22/2023 - RIH SL thru tbg, tag @ 4457', flow back +- 25 BBLs oil, circ hole w/ 100 bbls 10 ppg brine

2/23/2023 - ND WH, NU BOP, fill hole with 10 ppg brine

2/24/2023 - POOH and tally 2-3/8" tbg, left 120 jts in hole for kill string, fill Hole with 20 bbls 10 ppg

2/27/2023 - POOH with 100 jts of 2-3/8" tbg, Run gyro survey log 10203' – surface, RIH CBL to 2000' but RD due to gas migration in well, RIH and POOH LD bad tubing, RIH with 20 stands

2/28/2023 - Remove and Replace Double Gate BOP, RIH and POOH LD 228 jts 2-3/8" tbg

3/1/2023 - POOH remaining 265 jts of 2-3/8" tbg

3/2/2023 - PU 5" packer and hydrotest in hole 100 jts 2-7/8"

3/3/2023 - Continue RIH 370 jts 2-7/8' to 11846', set 5" packer, pressure test below to 500 psi 30 mins (held), no leaks seen on backside, POOH 20 jts w/ EOT @ 11207'

3/6/2023 - POOH and LD 5" pkr, PU and TIH 7-5/8" pkr to 9718' to PT 5" liner top to 500 psi for 30 mins (held), PT backside indicating perfs taking fluid, pull up to 10885' and PT Atoka perfs to 500 psi (lost 60# in 10 mins), POOH and LD pkr, TIH 274 jts tbg open ended

3/7/2023 - Finish TIH 7-5/8" pkr to 11846' to PT 5" liner top to 500 psi for 30 mins (held), PT backside indicating perfs taking fluid, pull up to 10885' and PT Atoka perfs to 500 psi (lost 60# in 10 mins), POOH and LD pkr, TIH 274 jts tbg open ended

3/8/2023 - Pump 30 sxs Class H balanced plug, TOOH and found bottom 32 jts tbg full of cement

3/9/2023 - RIH to 11840', pump 30 sxs Class H balanced plug, POOH 80 jts and reverse circ tbg w/ 70 bbls

3/10/2023 - Tag Top of Cement @ 11,490', Circulate 100 bbls 10 PPG Brine with 25 sks MLF. Trip out of hole and stand back 336 jts, lay down remaining. Secure well for weekend

3/13/2023 - RIH 6-14" GR/JB tagging @ 11380' on WL, RIH and set 7 5/8" CIBP @ 11350', run CBL 10203' - surface

3/14/2023 - TIH tbg and tag CIBP @ 11,350', pump in place 10 sks class H on top of CIBP, POOH to 10590', pump 25 sxs class H balanced plug, POOH 40 jts to 9,341'

3/15/2023 - RIH and tag TOC @ 10404', POOH to 10203', pump 26 sxs class H balanced plug, POOH to 8667', WOC and perform bubble test (have gas migration), fill hole with 4 bbls and circulate

3/16/2023 - TIH and tag TOC @ 10140', PT csg to 700 psi (lost 40 psi in 20 min)

3/17/2023 - POOH tbg to 6163', shut down for rig repairs

3/20/2023 - Finish rig repair, POOH tbg, MIRU WL and RIH temp log 10,158' – surf

3/21/2023 - RIH with noise tool on WL 10158' - surf, found fluid movement at 5350' (DV Tool), RDMO WL, RIH tbg to 9910'

3/22/2023 - Pump 40 sxs class H balanced plug, POOH to check for cement in tbg

3/23/2023 - RIH tbg and tag TOC @ 9787', LD 80 jts to 7318', RIH with 1-9/16" perf gun and shoot holes @ 7520', RIH tbg to 7550' to squeeze 56 sxs class H cmnt, POOH 96 jts tbg

3/24/2023 - Rig repairs, RIH 24 jts tbg to 5264', shut down for high winds

3/27/2023 - RIH and tag TOC @ 7479', LD 70 jts to 5362', pump 32 sxs class C balanced plug, WOC / bubble test 4 hrs, RIH and tagged TOC @ 5296', POOH tbg

3/28/2023 - MIRU WL, RIH and set 9 5/8" CIBP @ 5130' (right above DV tool), PT csg to 700 psi for 15 min (held), RIH tbg to 5130', pump in place 15 sxs class C cement on top of CIBP, POOH tbg to 2635'

3/29/2023 - POOH tbg and found tbg plugged w/ cmnt, TIH to retag top of cement @ 5115', pull up to 4986', pump 32 sxs class C cement on top of CIBP, POOH 62 jts tbg, WOC / bubble test 4 hrs, TIH and TOC @ 5130' (117' on top of CIBP), LD tbg to 2635'

3/30/2023 - Pump 32 sxs class C balanced plug, POOH 82 jts, and WOC / bubble test 4 hrs, TIH to tag TOC @ 2535', LD tbg to 2,365', pump 32 sxs class C balanced plug, POOH tbg

3/31/2023 - Good bubble test and LEL on two surfaces valves, TIH tag TOC @ 2263', pull up w/ tbg to 450'

4/3/2023 - Pump 32 sxs class C balanced plug at 450', WOC / bubble test 4 hrs, TIH tag TOC @ 380', POOH and LD all tbg, pump 32 sxs class C 100' - surface

4/4/2023 - TIH tag TOC @ 9' from surface, pump 30 sxs class C cement down 20" x 13-3/8" csg annulus, WOC 4 Hrs, RDMO pulling unit

4/5/2023 - Begin cut and cap

4/6/2023 - Finish cut and cap

Formations	Plug Depths MD	Depth MD	P&A WBD	Casing / Cmnt Details
	0	0	Spot 32 sxs Class C w/ cmt returns @ surf	Pump 30sxs Class C down 20' x 13-3/8" csg annulus to fill void
	100			Conductor
	380	394	Spot 32 sxs Class C WOC 4 hrs & Tag	20" 91.5# H-40 csg, cmt with 950 sxs class C
Rustler - 412'	450			Circ 250 sxs to surface
Salado - 808'				
	2,263		Spot 32 sxs Class C WOC 4 hrs & Tag	
Base of Salt - 2,316'	2,365			
	2,535	2,584	Spot 32 sxs Class C WOC 4 hrs & Tag	13-3/8" 61# K-55 csg, cmt with 1900 sxs lead & 200 sxs lead
Lamar Limestone - 2,560'	2,635			Circ 350 sxs to surface
Bell Canyon - 2,606'				
	5,013		117' cement on top	Pump 47 sxs (2.2 bbls) Class C w/ open ended tubing
	5,130			CIBP
	5,296	5,348	Spot 32 sxs Class C	DV Tool
	5,362			
Bone Spring - 6,058'				
	7,479		P&S 56 sxs Class C WOC 4 hrs & Tag	
	7,550			
3rd Bone Spring - 9,148'				
	9,787		Spot 40 sxs Class H WOC 4 hrs & Tag	
Wolfcamp - 9,855'	9,910			
	10,140		Spot 26 sxs Class H WOC 4 hrs & Tag	Top of 7-5/8" liner - no cmt circ for top
	10,203	10,203		
	10,404		Spot 26 sxs Class H WOC 4 hrs & Tag	9-5/8" 43.5/47# csg 5-95/N-80, cmt with 3650 sxs (2 stages)
Pennsylvanian - 10,733'	10,590	10,590		
	11,298		52' cement on top	Pump 10sxs (2.2 bbls) Class H w/ open ended tubing
Strawn - 10,856'	11,350			CIBP
Atoka - 11,180'		11,462		Atoka Perforations (squeezed with 35 sxs class H)
		11,471		
	11,480		Spot 30 sxs Class H WOC 4 hrs & Tag	Top of 5" liner - drill cmt 11,234' - 11,690'
		11,697		
Morrow Lime - 11,853'	11,846	11,846		7-5/8" 39# 5-95 liner, cmt with 350 sxs class H
				Squeezed shoe with 150 sxs Class H at 2400 psi
	12,043			Tag TOC w/ WLS 12,043'
Morrow Clastics - 12,000'	12,078	WLM		CIBP w/ 4.5 sxs Class H cmt
	12,178			
	12,221			Morrow Perforations
Mississippian - 12,640'	12,641			P&TD
	12,743			5" 18# liner, cmt with 200 sxs class H

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**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 208561

**CONDITIONS**

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 208561
	Action Type: [C-103] Sub. Plugging (C-103P)

**CONDITIONS**

Created By	Condition	Condition Date
john.harrison	None	5/8/2023