Submit 1 Copy To Appropriate District State of New Mexico	Form C-103		
District 1 - (575) 393-6161 Energy, Minerals and Natural Resources	Revised July 18, 2013		
1625 N. French Dr., Hobbs, NTRS 771	WELL API NO.		
811 S. First St., Anesia, NM 88210	5. Indicate Type of Lease		
1000 Rio Brazos Rd., Aziec, NM 87410	STATE FEE		
District IV – (505) 476-3460. 1220 S. St. Francis Dr., Santa Fe, NIM 87:205 87505	6. State Oil & Gás Lease No.		
SUNDRY NOTICES AND REPORTS ON WELLS	7. Lease Name or Unit Agreement Name		
(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)	Otis 33		
1. Type of Well: Oil Well 🔲 Gas Well 🔽 Other	8. Well Number 2		
2. Name of Operator Marathon Oil Permian, LLC.	9. OGRID Number 372098		
3. Address of Operator 5555 San Felipe Houston, TX 77056	10. Pool name or Wildcat E. Carlsbad		
4. Well Location			
Unit Letter <u>C</u> : <u>990</u> feet from the <u>N</u> line and	2130 feet from the W line		
Section 33 Township 22S Range 27E	County Eddy		
11. Elevation (Show whether DR, RKB, RT, GR, etc. 3136 GR	c.)		
12. Check Appropriate Box to Indicate Nature of Notice	, Report or Other Data		
PULL OR ALTER CASING MULTIPLE COMPL CASING/CEMEI	NT JOB		
OTHER:	n n		
 Describe proposed or completed operations. (Clearly state all pertinent details, as of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Co proposed completion or recompletion. 	nd give pertinent dates, including estimated date ompletions: Attach wellbore diagram of		
8908			
1 CIBP @ 8,900" w/35'.	and the second		
2.50 sx @ 5537 -5437'. P.S. Tag. 333			
4 165 sx @ 493'-surf P.S. & verify Install DHM	MAY OCD 24 hts		
	CENY WEEK CENS.		
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*** SEE A1	TTACHED COA'S - Revised		
Soud Date: Rig Release Date: MIIST RF I	PLUGGED BY - 3/4/2021		
P&A mud between all plugs. Closed loop fluids to			
hereby certify that the information above is frue and complete to the best of my sub-sub-	450 min warren		
T, The second	1 Dec D		
SIGNATURE 1919 TITLE Agent	DATE 1/2/2020		
Type or print name Brody Pinkerton E-mail address:	PHONE: 432-458-3780		
For State Use Only DO IN DI	0 m 2//		
APPROVED BY: (MA/S/ TITLE (ompligned	- UAir DATE 5/4/2020		
Conditions of Approval (if any):			
	-		
	(C-)		

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3007 North County Road 1108 P.O Box 2439 Midland, Texas 79702 (432) 458-3780

December 30, 2019

s 1 "

Marathon Oil Permian LLC. 5555 San Felipe St. Houston, TX 77056

Well Procedure

Otis 33 #2

API: 30-015-24810

- 1. Prep location. Contact New Mexico regulatory
- 2. MIRM NDWH NU BOP POOH w/prod equipment
- 3. Run GR. Set CIBP @ 8,900' w/35'. TIH & circ w/ P&A mud.
- 4. Spot 50 sx @ 5,537-5,437'. P.S. Tag.
- 5. Spot 50 sx @ 1,695-1,595'. P.S. Tag.
- 6. 165 sx @ 493'-surf. P.S. & verify.

7. ND BOP. Remove WH. Install DHM.

8. RR. RDMU.

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Marath	onOil	Wellbore Sche Well Name: O	matic TIS 33 2		
NEW MEXICO	Carry Plad Nana UNITED STATES CARLSBAD S	OUTH 32 35337620	-104.19579770	North South Distance (m) 990-0	North Saun Reference
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CONDITIONS FOR PLUGGING AND ABANDONMENT

OCD - Southern District

The following is a guide or checklist in preparation of a plugging program, this is not all inclusive and care must be exercised in establishing special plugging programs in unique and unusual cases, Notify NMOCD District Office II at (575)-748-1283 at least 24 hours before beginning work. After MIRU rig will remain on well until it is plugged to surface. OCD is to be notified before rig down. Company representative will be on location during plugging procedures.

- A notice of intent to plug and abandon a wellbore is required to be approved before plugging operations are conducted. A cement evaluation tool is required in order to ensure isolation of producing formations, protection of water and correlative rights. A cement bond log or other accepted cement evaluation tool is to be provided to the division for evaluation if one has not been previously run or if the well did not have cement circulated to surface during the original casing cementing job or subsequent cementing jobs. Insure all bradenheads have been exposed, identified and valves are operational prior to rig up.
- 2. Closed loop system is to be used for entire plugging operation. Upon completion, contents of steel pits are to be hauled to a permitted disposal location.
- 3. Trucking companies being used to haul oilfield waste fluids to a disposal -- commercial or private -- shall have an approved NMOCD C-133 permit. A copy of this permit shall be available in each truck used to haul waste products. It is the responsibility of the operator as well as the contractor, to verify that this permit is in place prior to performing work. Drivers shall be able to produce a copy upon request of an NMOCD Field inspector.
- 4. Filing a subsequent C-103 will serve as notification that the well has been plugged.
- A final C-103 shall be filed (and a site inspection by NMOCD Inspector to determine if the location is satisfactorily cleaned, all equipment, electric poles and trash has been removed to Meet NMOCD standards) before bonding can be released.
- 6. If work has not begun within 1 Year of the approval of this procedure, an extension request must be file stating the reason the well has not been plugged.
- 7. Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.
- 8. Produced water will not be used during any part of the plugging operation.
- 9. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
- 10. All cement plugs will be a minimum of 100' in length or a minimum of 25 sacks of cement, whichever is greater. 50' of calculated cement excess required for inside casing plugs and 100% calculated cement excess required on outside casing plugs.
- 11. Class 'C' cement will be used above 7500 feet.
- 12. Class 'H' cement will be used below 7500 feet.
- 13. A cement plug is required to be set 50' above and 50' below, casing stubs, DV tools, attempted casing cut offs, cement tops outside casing, salt sections and anywhere the casing is perforated, these plugs require a 4 hour WOC and then will be tagged
- 14. All Casing Shoes Will Be Perforated 50' below shoe depth and Attempted to be Squeezed, cement needs to be 50' above and 50' Below Casing Shoe inside the Production Casing.

- 16. When setting the top out cement plug in production, intermediate and surface casing, wellbores should remain full at least 30 minutes after plugs are set
- 17. A CIBP is to be set within 100' of production perforations, capped with 100' of cement, WOC 4 hours and tag.
- 18. A CIBP with 35' of cement may be used in lieu of the 100' plug if set with a bailer. This plug will be placed within 100' of the top perforation, (WOC 4 hrs and tag).
- 19. No more than 3000' is allowed between cement plugs in cased hole and 2000' in open hole.
- 20. Some of the Formations to be isolated with cement plugs are: These plugs to be set to isolate formation tops
 - A) Fusselman
 - B) Devonian
 - C) Morrow
 - D) Wolfcamp

E)Bone Springs

- F) Delaware
- G) Any salt sections
- H) Abo
- I) Glorieta
- J) Yates.
- K) Potash--- (In the R-111-P Area (Potash Mine Area), a solid cement plug must be set across the salt section. Fluid used to mix the cement shall be saturated with the salts that are common to the section penetrated and in suitable proportions, not more than 3% calcium chloride (by weight of cement) will be considered the desired mixture whenever possible, WOC 4 hours and tag, this plug will be 50' below the bottom and 50' above the top of the Formation.
- 21. If cement does not exist behind casing strings at recommended formation depths, the casing can be cut and pulled with plugs set at recommended depths. If casing is not pulled, perforations will be shot and cement squeezed behind casing, WOC and tagged. These plugs will be set 50' below formation bottom to 50' above formation top inside the casing

DRY HOLE MARKER REQUIRMENTS

The operator shall mark the exact location of the plugged and abandoned well with a steel marker not less than four inches in diameter, 3' below ground level with a plate of at least ¼" welded to the top of the casing and the dry hole marker welded on the plate with the following information welded on the dry hole marker:

1. Operator name2. Lease and Well Number3. API Number4. Unit Letter5. QuarterSection (feet from the North, South, East or West)6. Section, Township and Range7. Plugging Date8. County(SPECIAL CASES)------AGRICULTURE OR PRARIE CHICKEN BREEDING AREAS

In these areas, a below ground marker is required with all pertinent information mentioned above on a plate, set 3' below ground level, a picture of the plate will be supplied to NMOCD for record, the exact location of the marker (longitude and latitude by GPS) will be provided to NMOCD (We typically require a current survey to verify the GPS)

SITE REMEDIATION DUE WITHIN ONE YEAR OF WELL PLUGGING COMPLETION