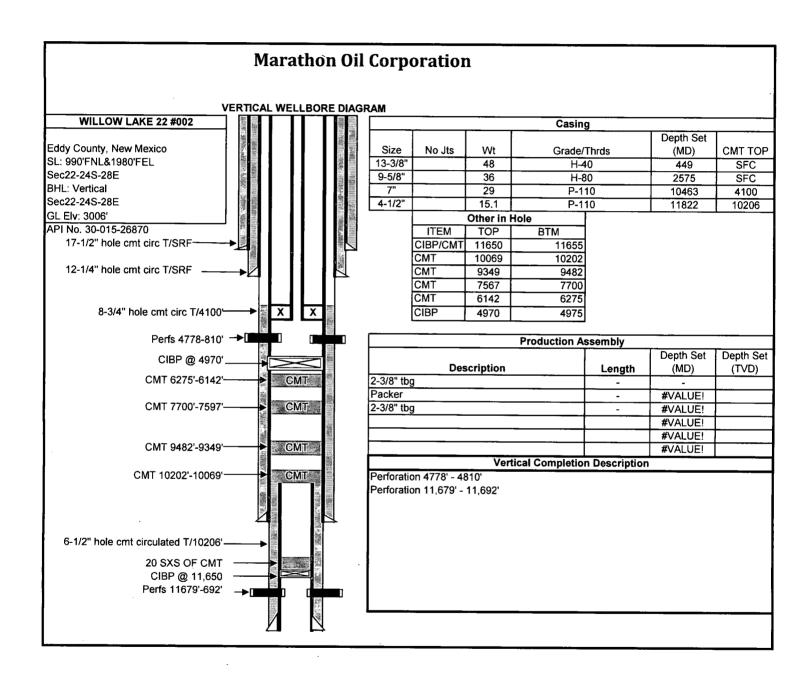
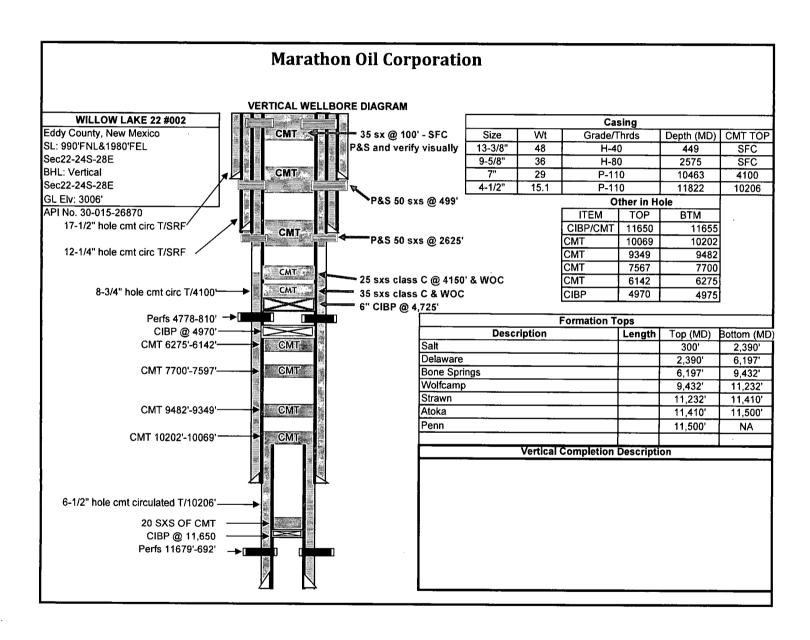
Submit 1 Copy To Appropriate District Office	State of New Mexico		Form C-103	
<u>District I</u> – (575) 393-6161 1625 N. French Dr., Hobbs, NM 88240	Energy, Minerals and Natural Resources		WELL API NO.	Revised July 18, 2013
<u>District II</u> – (575) 748-1283	OIL CONSERVATION DIVISION		30-015-26870	
811 S. First St., Artesia, NM 88210 <u>District III</u> – (505) 334-6178	1220 South St. Francis Dr.		5. Indicate Type of L STATE	
1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> – (505) 476-3460	Santa Fe, NM 87505		STATE 2 6. State Oil & Gas Le	FEE
1220 S. St. Francis Dr., Santa Fe, NM 87505			23711	
SUNDRY NOT	CES AND REPORTS ON WELL		7. Lease Name or Un	it 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.)			WILLOW LAKE 22	
1. Type of Well: Oil Well Gas Well Other			8. Well Number #002	
Name of Operator Marathon Oil Permian LLC			9. OGRID Number 372098	
3. Address of Operator			10. Pool name or Wildcat	
5555 San Felipe St., Houston, TX 7	7056		MALAGA; EAST (DEL	AWARE)
4. Well Location Unit Letter B	990 feet from the	line and	1980 feet from the	E line
Section 22	Township 24S R	ange 28E		ounty EDDY
	11. Elevation (Show whether DI 3006			****
12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data				
NOTICE OF IN	PLUG AND ABANDON 🗹	REMEDIAL WOR	SEQUENT REPO	R IOF: FERING CASING □
TEMPORARILY ABANDON	CHANGE PLANS	COMMENCE DRI		ND A
PULL OR ALTER CASING	MULTIPLE COMPL	CASING/CEMEN	T JOB	. —
DOWNHOLE COMMINGLE CLOSED-LOOP SYSTEM				
OTHER:		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.				
proposed completion or recompletion. 1. Set 6" CIBP @ 4725' Notify OCD 24 tris. prior to				
2. 35 sas of class C cliff of top of Cibr, WOC and Tag same			y work done.	
 25 sxs of Class C CMT @ 4,150'; P&S 50 sxs of Class C CMT @ 2 	WOC and Tag same ,625'; WOC and Tag same	-		
5. P&S 50 sxs of Class C CMT @ 4 6. P&S 35 sxs of Class C CMT 100'	99'; WOC and Tag same		·	RECEIVED
7. Install DHM	or o, voiny riodany			
P&A FLUID BETWEEN ALL PLUGS CLOSED LOOP ALL FLUIDS TO LI				AUG 0 5 2019
DISTRICTII-ARTESIAO.C.I				
Spud Date:	Rig Release D	ate:		
W.				1 1
Thereby certify that the information above is true and complete to the best of my knowledge and belief.				
JOSHUA GARRETT & Digitally signed by JOSHUA				
OFDVAIO AG		NGINEER	DATE	8/1/19
Type or print name For State Use Only	ETT GERVAIS E-mail addres	JOSHUAGERVA	I@MARATHON PHONE	E:
For State Use Only		· P		. / /
APPROVED BY: Conditions of Approval (if any):	TITLE 57	AH Mgs	DATE	8/7/19

WILLOW LAKE 22 #002 - WBD - MRO



WILLOW LAKE 22 #002 - WBD - MRO



CONDITIONS FOR PLUGGING AND ABANDONMENT

District II / Artesia N.M.

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.

- 1. 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.
- 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.
- 5. 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 the well is not plugged within 1
- 7. 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.
- 8. Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.
- 9. Produced water will not be used during any part of the plugging operation.
- 10. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
- 11. 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.
- 12. Class 'C' cement will be used above 7500 feet.
- 13. Class 'H' cement will be used below 7500 feet.
- 14. 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
- 15. 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 name 2. Lease and Well Number 3.API Number 4. Unit Letter 5. Quarter Section (feet from the North, South, East or West) 6. Section, Township and Range 7. Plugging Date 8. 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)