Submit 3 Copies To Appropriate District Office	State of New Mexic		Form C-10 May 27, 200
<u>District 1</u> 1625 N. French Dr., Hobbs, NM 88240	Energy, Minerals and Natural		VELL API NO.
District II	OIL CONCEDUATION D	1 2	0-015-32876
1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION D	IAIDIOIA 12	. Indicate Type of Lease
District III 1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St. Franci	S Dr.	STATE FEE
District IV	Santa Fe, NM 8750	05	. State Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa Fe, NM 87505			
	ICES AND REPORTS ON WELLS	7	. Lease Name or Unit Agreement Name
COONER THE PORM FOR PROP	SEALE TO OBJUL OF TO DEEDING OF BLUC	BACK TO A H	lenry
DIFFERENT RESERVOIR. USE *APPL	ICATION FOR PERMIT" (FORM C-101) FOR NIM OIL (ONSERVATION	N Well Number
1. Type of Well: Oil Well	Gas Well 🕅 Other 💮 ARTE	SIA DISTRICT 3	N
2. Name of Operator	Gas well & Glifet ARTE		. OGRID Number
Marathon Oil Permian, LLC	MΔ		72098
3. Address of Operator			0. Pool name or Wildcat
5555 San Felipe Houston, TX 77	056		Carlsbad Strawn
4. Well Location	R	CEIVED	
1	feet from theS line and1650	feet from the W	/ line
		MMI	
Section 22	Township 22S Range 27E		PM County Eddy
	11. Elevation (Show whether DR, R	NB, KI, GK, elc.)	
Pit or Below-grade Tank Application	ar Clauses 🗆		Belleville Printer of the Control of
		D	
	waterDistance from nearest fresh water	500	
Pit Liner Thickness: mi	Below-Grade Tank: Volume	hbls: Const	ruction Material
12. Check	Appropriate Box to Indicate Nat	ure of Notice, Ro	eport or Other Data
	NTENTION TO:		EQUENT REPORT OF:
PERFORM REMEDIAL WORK		REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON		OMMENCE DRILL	
DILL OF ALTER CACING] MULTIPLE COMPL 🔲 🚶	CASING/CEMENT J	IOB 🔲
PULL OR ALTER CASING	, 11105111 55 001111 5		
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Marathon Oil

Wellbore Schematic

Well Name: HENRY 3 30-015-32876

MD (RICB) 16.1 224.1 1,920.9	Des; Surfece Casing Coment; Category:Gement; Top MD:16.0 RKB; Birm—MD:224.0 RKB; Com:475 sx	2/15/2019,12:08:21 PM Vertical schematic (act	3.113.00 A	NOSK.	
18.1	Des;Surface Casing Cement, Category:Gement; Top MD:16.0 fixEr; Birn—		Marine and the second of the s	nosk.	
18.1	Category: Gement, Top MD:16.0 ftKB; Blm	Vertical schematic (act	Marine and the second of the s	NUSK.	
1,920.9	Category: Gement, Top MD:16.0 ftKB; Blm		1" 93 WIT	TIUSK.	
1,920.9	Category: Gement, Top MD:16.0 ftKB; Blm		THE MESS		
1,920.9	MD:224.0 ftKB; Com:475 sx	8 82	100		
	Category:Gement; Top MD:16.0 ftKB; Blm— MD:224.0 ftKB; Com:475 sx		Des Burface; Category; Casing; OD:13.375 in; ID:12.415 in; Length:208.00 ft; ID Min:12.259 in; W. 88.00 lb/ft; Grade:J56; Top MD:16.0 ft/B; Btm MD:224.0 ft/B		
1 923 9	The Control of the Co		Records		
1 923 9			2nd stage w	16505X	
1,000,0	Des:Intermediate Casing Cement; Category:Cement; Top MD:16.0 RKB; Bim		100		
5,455.1	MD:5,455.0 nKB		ft, ID Min.8.679 In; V Grade:N80; Top MD	15 in; Length 5,439,00 Vt.,40,00 lb/lt; 16,0 ltKB; Birn	
			MD.5.456.0 RKB 13 + S+a.g.	e 6504x,	
7,000.0	Des:Production Casing Cement;				
10.448.0	Category:Cement; Top MD:7,000.0 ftKB; Btm MD:12,115.0 ftKB; Com:955 sks				
10,446.9	HIM MD:12,118.0 IIKD; COILESS SKE		Cast Iron Bridge Pl	ug; 10,450.0	
10.4504			W/ LSX.		
10,450.1					
10,512.1				DI APPAR FOE D	
10,512.1		1	Top MD:10,512.0; Com:10512-13', 1	Bim MD:10,525.0; 0519-25	
10,524.9		1974			
וטייסקיים					
11,706.0					
1111000			Cast Iron Bridge	Plug; 11,709.0	
11 700 D					
11,709.0					
44 904 P			9XC		
11,801,8		4831	Top MD:11,802.0); 8tm MD:11,916.0;	
44 PR4 C		(K9)	Perfs 542d 1	J 175 5X.	
11,881.9		5738.1			
		(500	Top MD:11,882	0; Btm MD:11,996.0;	
11,916,0		THE	Com:11882-87	11932-38', 11969-96'	
		7280			
11,996.1					
12,113.8	Des:Cement Plug Gategory:Cement Top MD:12;114.0 filds; Birm MD:12;115.0 filds		OD:5.500 in; II	1; Category:Casing; 0,4.778 in; Length:12,099 3 in; Wt: 20.00 to/ft;	
12,115.2			Grade:N80; To MD:12:115.0 f	D WO:18'O MKR; Rau	
			gradient (C)		
tions to Well:					
0	+ PXA			Report Printed: 2/1	

Marathon Oil

Wellbore Schematic Well Name: HENRY 3

30-015-32876

32 373496 NADZ7 NEW MEXICO 194 180180 3,113.00 18.00 HENRY 3, 2/15/2010 12:08:21 PM MD (RKB) Vertical schematic (actual) O. H.M. 16.1 Des.Surface Casing Coment. Des:Surface; Category;Casing; OD:13.375 In; ID:12.416 in; Length:208.00 ft; ID Min:12.259 in; WL:68.00 lb/ft; Grade:J55; Category:Cement; Top MD:18.0 ftKB; Birm MD:224.0 RKB; Com:475 ex 224.1 100 5 X Top MD:16.0 flKB; Birn MD:224.0 flKB 274'-Surf 505x 1850-1700 1.920.9 0.5+ Verify PS+TAG Des Intermediate Casing Cement; Category:Cement; Top MD:16.0 ftkB; Btm 1,923.9 Des:Intermediate 1; Category:Casing; OD:9.625 in; ID:8.635 in; Length:5,439.00 -ft; ID Min:8.679 in; Wt.:40.00 le/ft; MD:5,455.0 fKB 5,455.1 Grade:N80; Top MD:16.0 f0KB; Btm MD:5,455.0 ftKB 403% 5505-5405 PS+7AG Des:Production Casing Carnent; 7.000.0 400x 6850-6750 AS+ TAG Category:Cement; Top MD:7,000,0 flKB; 10,446.9 Blm MD:12,115.0 ftKB; Com:955 sks Cast Iron Bridge Plug; 10,450.0 255x 9850-9650 10,450.1 253X 10,430-10,330 10,512.1 Top MD:10,512.0; Btm MD:10,525.0; Com:10512-13', 10519-25' 10,524.9 11.706.0 Cast Iron Bridge Plug; 11,709.0 11,709.0 11,801.8 Top MD:11,802.0; Blm MD:11,916.0; Com. 11802-807', 11852-58', 11909-916' 11,881.9 11,915,0 Top MD:11,882.0; Btm MD:11,996:0;

Directions to Well:

11,996.1

12,113.8

12/115/2

AFTER

PAA

Des:Gement Plug: Category Cement; Top MDx12,114.0 ftkB; Btm:MDx12,115.0 ftkB Com:11882-87', 11932-38', 11989-96'

Des:Production 1, Catagory:Casing; OD:5,500 in; ID:4.778 in; Length:12,099.00 ft; ID Min;4,553 in; Wi.(20,00 lb/ft; Grade:N80; Top MD:16.0 ft/CB; Birn

MD:12,115.0 NKB

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.

- 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.
- 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)