

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Carlsbad Field Office

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

HOBBS

HOBBS

SUBMIT IN TRIPLICATE - Other Instructions on page 2

SEP 23 2019

RECEIVED

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM13647	
2. Name of Operator MARATHON OIL PERMIAN LLC		6. If Indian, Allottee or Tribe Name	
3a. Address 5555 SAN FELIPE STREET HOUSTON, TX 77056		7. If Unit or CA/Agreement, Name and/or No.	
3b. Phone No. (include area code) Ph: 713-296-3368		8. Well Name and No. CAVE LION 5 WC FEDERAL 2H	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 5 T26S R35E SESW 287FSL 1811FWL 32.065876 N Lat, 103.392174 W Lon		9. API Well No. 30-025-45421-00-X1	
		10. Field and Pool or Exploratory Area WOLFCAMP	
		11. County or Parish, State LEA COUNTY, NM	

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Production Start-up
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

7/3/2019 Started Frac Prep operations. 7/9/2019 start frac stages 1-22 with 2 shots per foot for a total of 528 shots 0.36 in size, using 11,251,242 lbs of 100 Mesh and 40/70 sand. Stimulated with 402 bbls of 15% HCl acid. 8/1/2019 opened to flowback. Completed well with hydraulic fracturing treatment and Plug and Perf operations. Total interval from 12957'- 17451'. First oil on 8/1/2019. Turned over to production.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #482673 verified by the BLM Well Information System
For MARATHON OIL PERMIAN LLC, sent to the Hobbs
Committed to AFMSS for processing by PRISCILLA PEREZ on 09/10/2019 (19PP3096SE)

Name (Printed/Typed) ADRIAN COVARRUBIAS	Title CTR - TECHNICIAN HES
Signature (Electronic Submission)	Date 09/10/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title Accepted for Record	Date SEP 12 2019
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Jonathon Shepard Carlsbad Field Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

[Handwritten signature]

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-45421	² Pool Code 72860	³ Pool Name BRADLEY; WOLFCAMP (GAS)
⁴ Property Code	⁵ Property Name CAVE LION 5 WC FEDERAL	⁶ Well Number 2H
⁷ OGRID No. 372098	⁸ Operator Name MARATHON OIL PERMIAN LLC	⁹ Elevation 3263'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	5	T26S	R35E		287	SOUTH	1811	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	5	T26S	R35E		617	NORTH	1317	WEST	LEA

¹² Dedicated Acres 320.00	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	<p>T-25-S SECTION 32</p> <p>T-26-S SECTION 5</p> <p>LAST TAKE POINT/BOTTOM HOLE LOCATION 17,593' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 832343.62' / Y: 393351.31' LAT: 32.07791891N / LON: 103.39379083W NAD 27, SPCS NM EAST X: 791156.19' / Y: 393293.60' LAT: 32.0777927N / LON: 103.39332773W</p> <p>KICK OFF POINT/FIRST TAKE POINT 12,803' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 832374.16' / Y: 388784.25' LAT: 32.06536515N / LON: 103.39382062W NAD 27, SPCS NM EAST X: 791186.52' / Y: 388726.66' LAT: 32.06523888N / LON: 103.39335823W</p> <p>SURFACE HOLE LOCATION 287' FSL 1811' FWL, SECTION 5 NAD 83, SPCS NM EAST X: 832882.34' / Y: 388974.66' LAT: 32.06587633N / LON: 103.39217497W NAD 27, SPCS NM EAST X: 791694.71' / Y: 388917.06' LAT: 32.06575005N / LON: 103.39171261W</p> <p>CORNER COORDINATES NAD 83, SPCS NM EAST A - X: 831020.60' / Y: 393959.45' B - X: 833663.69' / Y: 393977.99' C - X: 833719.73' / Y: 388693.48' D - X: 831074.50' / Y: 388675.34'</p> <p>CORNER COORDINATES NAD 27, SPCS NM EAST A - X: 789833.20' / Y: 393901.74' B - X: 792476.27' / Y: 393920.25' C - X: 792532.08' / Y: 388635.88' D - X: 789886.87' / Y: 388617.76'</p>	<p>¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p> 9/10/2019 Signature Date</p> <p>Adrian Covarrubias Printed Name</p> <p>E-mail Address</p>
	<p>¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor</p>	<p>PRELIMINARY THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE, SALE OR THE BASIS FOR THE ISSUANCE OF A PERMIT.</p> <p>Certificate Number</p>

DISTANCES/AREAS RELATIVE TO NAD83 COMBINED SCALE FACTOR: 1.000008454
CONVERGENCE: 0.4997137472; NOTE: ALL DIMENSIONS IN U.S. FEET

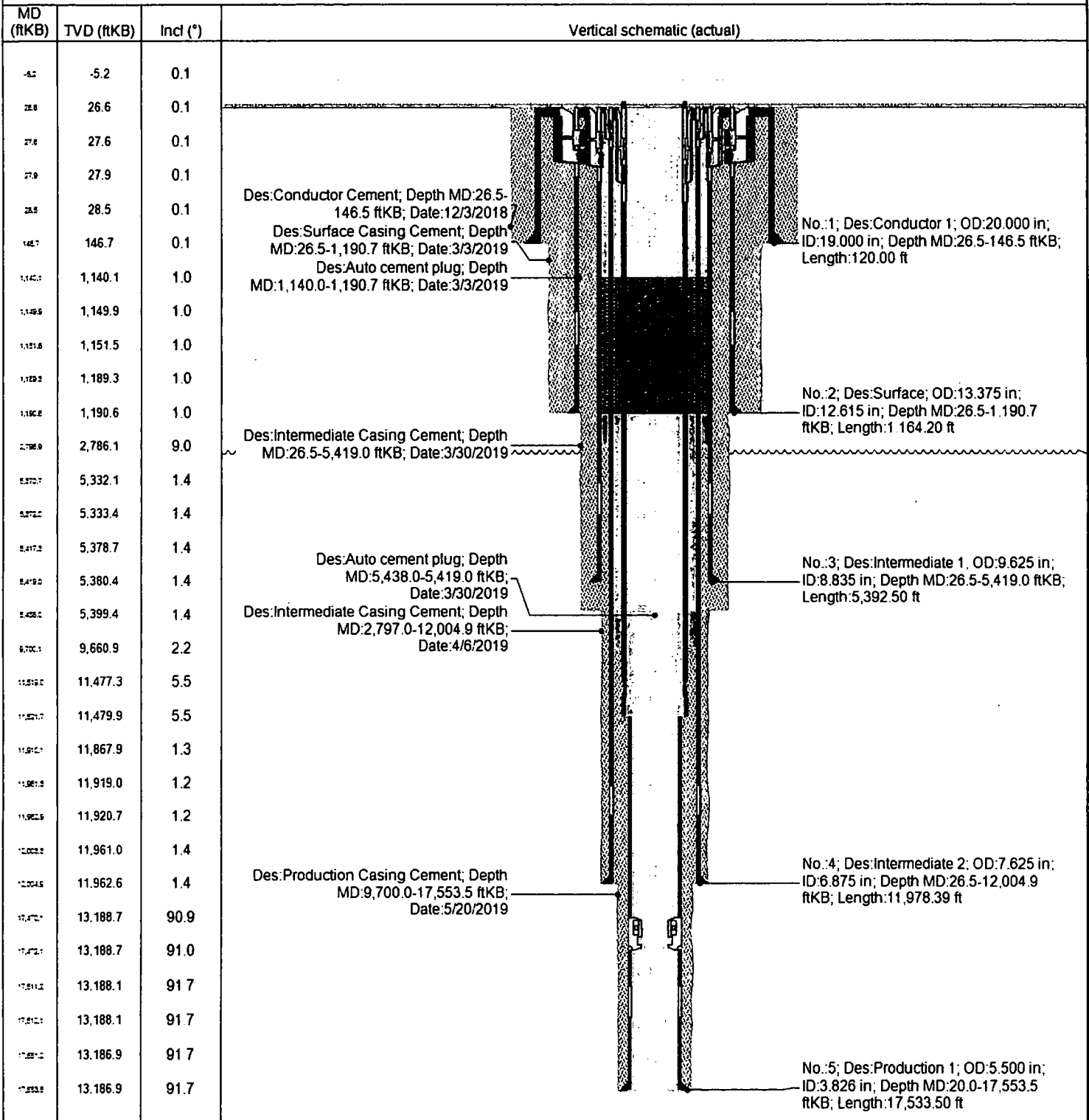
SHEET 1 OF 1
JOB No. R3757_004

Wellbore Schematic

Well Name: CAVE LION 5 WC FEDERAL 2H

State/Province NEW MEXICO	Prospect Area RED HILLS	Field Name HARDIN TANK	Well Subtype	Lat/Long Datum NAD27	Latitude (°) 32.065750	Longitude (°) -103.391713
Well Configuration Type HORIZONTAL	Well Objective EXPLOITATION	Well Status COMPLETION	Ground Elevation (ft) 3,263.00	KB-Ground Distance (ft) 26.50		

HORIZONTAL - CAVE LION 5 WC FEDERAL 2H, 5/28/2019 10:55:49 AM



Directions to Well: FROM THE MARATHON OFFICE AT 411 TIDWELL, CARLSBAD, NM, HEAD SOUTH ON TIDWELL ROAD TOWARD US HWY 285N FOR 0.2 MILES.
 TURN LEFT ONTO US HWY 285S, HEADING SE, FOR 5.1 MILES TO NM HWY 31.
 TURN LEFT ONTO NM HWY 31, HEADING EAST FOR 7.7 MILES TO NM HWY 128E.
 TURN RIGHT ONTO NM HWY 128E, HEADING EAST FOR 38.7 MILES TO BATTLE AXE ROAD (COUNTY ROAD 2)...