

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505				Form C-105 Revised April 3, 2017				
		1. WELL API NO. 30-015-43960		2. Type of Lease ☒ STATE ☐ FEE ☐ FED/INDIAN		3. State Oil & Gas Lease No.				
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13 K NMAC)				5. Lease Name or Unit Agreement Name BLACK RIVER 15.10 STATE COM 6. Well Number: 3H						
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER				JUN 18 2018						
8. Name of Operator Marathon Oil Permian LLC				9. OGRID 372098 DISTRICT II-ARTESIA O.C.D.						
10. Address of Operator 5555 San Felipe St., Houston, TX 77056				11. Pool name or Wildcat PURPLE SAGE; WOLFCAMP						
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	O	15	24S	27E		270	FSL	2068	FEL	EDDY
BH:	B	10	24S	27E		284	FNL	2268	FEL	EDDY
13. Date Spudded 1/11/2018	14. Date T.D. Reached 4/7/2018	15. Date Rig Released 4/10/2018		16. Date Completed (Ready to Produce) 5/28/2018		17. Elevations (DF and RKB, RT, GR, etc.) 3229 GR				
18. Total Measured Depth of Well 19,037' / 9188		19. Plug Back Measured Depth		20. Was Directional Survey Made? YES		21. Type Electric and Other Logs Run MUD GR				
22. Producing Interval(s), of this completion - Top, Bottom, Name 9,699' - 18,957'; WOLFCAMP										
CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13 3/8"		54.5 J55		442'		17 1/2"		605 C		0
9 5/8"		36 J55		2316'		12 1/4"		685 C		53
7"		29 PHOCY		9,632'		8 3/4"		775 C		120 X
24. LINER RECORD										
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN						
4.5"	8480'	19,027'	1,125 C							
6.125 PHOCY										
26. Perforation record (interval, size, and number) 9,699' - 18,957'; 0.36, 1,860 total shots						27. ACID. SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						9,699' - 18,957'		23,972,560 LBS - 40/70; 100 MESH		
								613 BBLs - 15% HCL ACID MS		
28. PRODUCTION										
Date First Production 5/31/2018		Production Method (Flowing, gas lift, pumping - Size and type pump) FLOWING				Well Status (Prod. or Shut-in) PRODUCING				
Date of Test 6/10/2018	Hours Tested 24	Choke Size 64	Prod'n For Test Period	Oil - Bbl 1,418	Gas - MCF 3,586	Water - Bbl. 7,024	Gas - Oil Ratio			
Flow Tubing Press. 0	Casing Pressure 1,044	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) sold							30. Test Witnessed By			
31. List Attachments										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.							33. Rig Release Date:			
34. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude Longitude NAD83										
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief										
Signature AMC		Printed Name Adrian Covarrubias		Title Environmental Engineer			Date 6/13/2018			
E-mail Address acovarrubias@marathonoil.com										

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinébry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Springs	T. Todilto	
T. Abo	T.	T. Entrada	
T. Wolfcamp	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....

No. 2, from.....to.....

No. 3, from.....to.....

No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology

From	To	Thickness In Feet	Lithology

Geological Tops

BLACK RIVER 15 10 STATE COM 3H

Surface	0
Salado	683
Castile	683
Base Salt	2195
Lamar	2335
Delaware Sands (Bell Canyon)	2406
Cherry Canyon	3160
Brushy Canyon	4251
Bone Spring	5807
FBSG Sand	6806
SBSG Sand	7385
TBSG Sand	8724
Wolfcamp	9085
Wolfcamp X	9116
Wolfcamp Y	9159

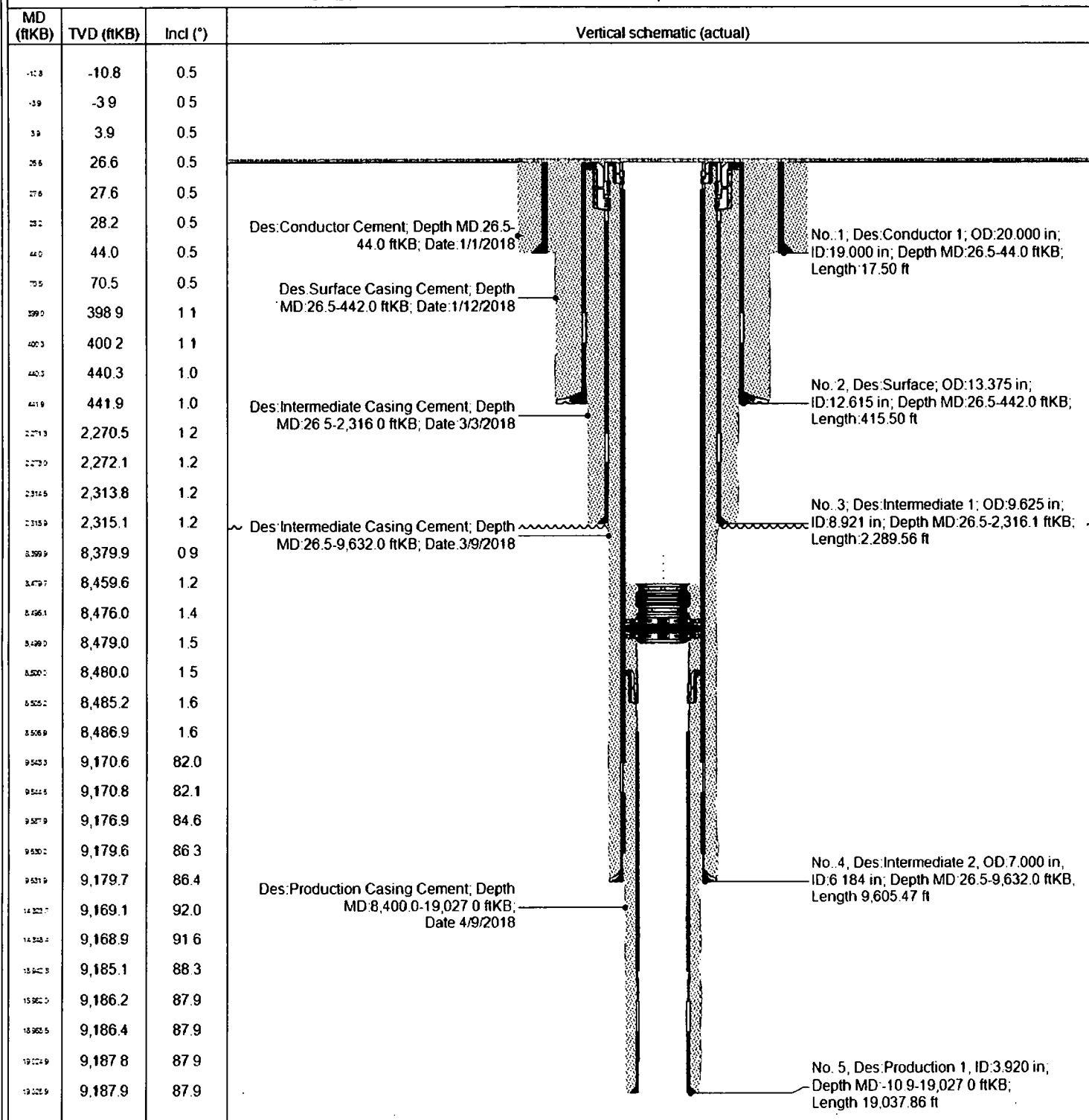


Wellbore Schematic

Well Name: BLACK RIVER 15 10 STATE COM 3H

State/Province NEW MEXICO	Prospect Area MALAGA	Field Name BLACK RIVER EAST	Well Subtype	Lat/Long Datum NAD27	Latitude (°) 32.210128	Longitude (°) -104.176923
Well Configuration Type HORIZONTAL	Well Objective EXPLOITATION	Well Status DRILLING	Ground Elevation (ft) 3,228.00	KB-Ground Distance (ft) 26.50		

HORIZONTAL - BLACK RIVER 15 10 STATE COM 3H, 4/16/2018 9:06:09 AM



Directions to Well: