

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	<b>State of New Mexico</b> <b>Energy, Minerals and Natural Resources</b>  <b>Oil Conservation Division</b> <b>1220 South St. Francis Dr.</b> <b>Santa Fe, NM 87505</b>	<b>Form C-105</b> Revised April 3, 2017  1. WELL API NO. <b>30-015-44503</b> <span style="font-size: 1.5em; font-family: cursive;">30-015-44504</span> 2. Type of Lease <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/> FED/INDIAN 3. State Oil & Gas Lease No.									
<b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG</b>											
4. Reason for filing:  <input checked="" type="checkbox"/> <b>COMPLETION REPORT</b> (Fill in boxes #1 through #31 for State and Fee wells only)  <input type="checkbox"/> <b>C-144 CLOSURE ATTACHMENT</b> (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 <b>BLACK RIV 374 STATE 24 27 15 WXY</b>  6. Well Number: <b>3H</b> <span style="float: right; border: 1px solid black; padding: 2px;">RECEIVED</span>									
7. Type of Completion: <input checked="" type="checkbox"/> NEW WELL <input type="checkbox"/> WORKOVER <input type="checkbox"/> DEEPENING <input type="checkbox"/> PLUGBACK <input type="checkbox"/> DIFFERENT RESERVOIR <input type="checkbox"/> OTHER											
8. Name of Operator <b>Marathon Oil Permian LLC</b>		9. OGRID <b>372098</b> <span style="float: right; font-weight: bold;">JUL 27 2018</span>									
10. Address of Operator <b>5555 San Felipe St., Houston, TX 77056</b>		11. Pool name or Wildcat <b>PURPLE SAGE; WOLF CAMP</b> <span style="float: right; font-weight: bold;">DISTRICT II-ARTESIA O.G.D.</span>									
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County	
Surface:	N	15	24S	27E		270	S	1806	W	EDDY	
BH:	C	15	24S	27E		335	N	1305	W	EDDY	
13. Date Spudded 2/19/2018	14. Date T.D. Reached 4/3/2018		15. Date Rig Released 4/6/2018		16. Date Completed (Ready to Produce) 7/7/2018			17. Elevations (DF and RKB, RT, GR, etc.) 3223' GR			
18. Total Measured Depth of Well 13,847' / <span style="font-family: cursive;">9115</span>			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 <b>9,546' - 13,710'; WOLFCAMP</b>											
<b>23. CASING RECORD (Report all strings set in well)</b>											
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
13 3/8"		54.5 <span style="font-family: cursive;">J55</span>		501'		17 1/2"		545 <span style="font-family: cursive;">C</span>		274	
9 5/8"		36 <span style="font-family: cursive;">L80</span>		2,326'		12 1/4"		850 <span style="font-family: cursive;">C</span>		209	
7"		29 <span style="font-family: cursive;">P110</span>		9,523'		8 3/4"		880 <span style="font-family: cursive;">C</span>		119 <span style="float: right; font-family: cursive;">119</span>	
24. LINER RECORD						25. TUBING RECORD					
SIZE	TOP		BOTTOM		SACKS CEMENT	SCREEN		SIZE	DEPTH SET		PACKER SET
4 1/2"	8,481'		13,835'		536 <span style="font-family: cursive;">C</span>						
<span style="font-family: cursive;">6.125 P110 13.5</span>											
26. Perforation record (interval, size, and number) <b>9,546' - 13,710'; 0.36"; 810 shots</b>						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL    AMOUNT AND KIND MATERIAL USED <b>9,546' - 13,710'</b> <b>10,372, 174 lbs - 40/70; 100 Mesh</b> <b>405 bbls - 15% HCL Acid</b>					
<b>28. PRODUCTION</b>											
Date First Production <b>7/9/2018</b>		Production Method ( <i>Flowing, gas lift, pumping - Size and type pump</i> ) <b>Flowing</b>				Well Status ( <i>Prod. or Shut-in</i> ) <b>Producing</b>					
Date of Test <b>7/20/2018</b>	Hours Tested <b>24</b>	Choke Size <b>64</b>	Prod'n For Test Period	Oil - Bbl <b>516</b>	Gas - MCF <b>2560</b>	Water - Bbl. <b>4737</b>	Gas - Oil Ratio				
Flow Tubing Press. <b>0</b>	Casing Pressure <b>1150</b>	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - ( <i>Corr.</i> )					
29. Disposition of Gas ( <i>Sold, used for fuel, vented, etc.</i> ) <b>sold</b>								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 <span style="font-family: cursive;">[Signature]</span>			Printed Name <b>Adrian Covarrubias</b>		Title <b>CTR - Technician HES</b>			Date <b>7/23/2018</b>			
E-mail Address <b>acovarrubias@marathonoil.com</b>											

# 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. Blinebry	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

### **Geological Tops**

**BLACK RIVER 374 STATE 24 27 15 WXY 3H**

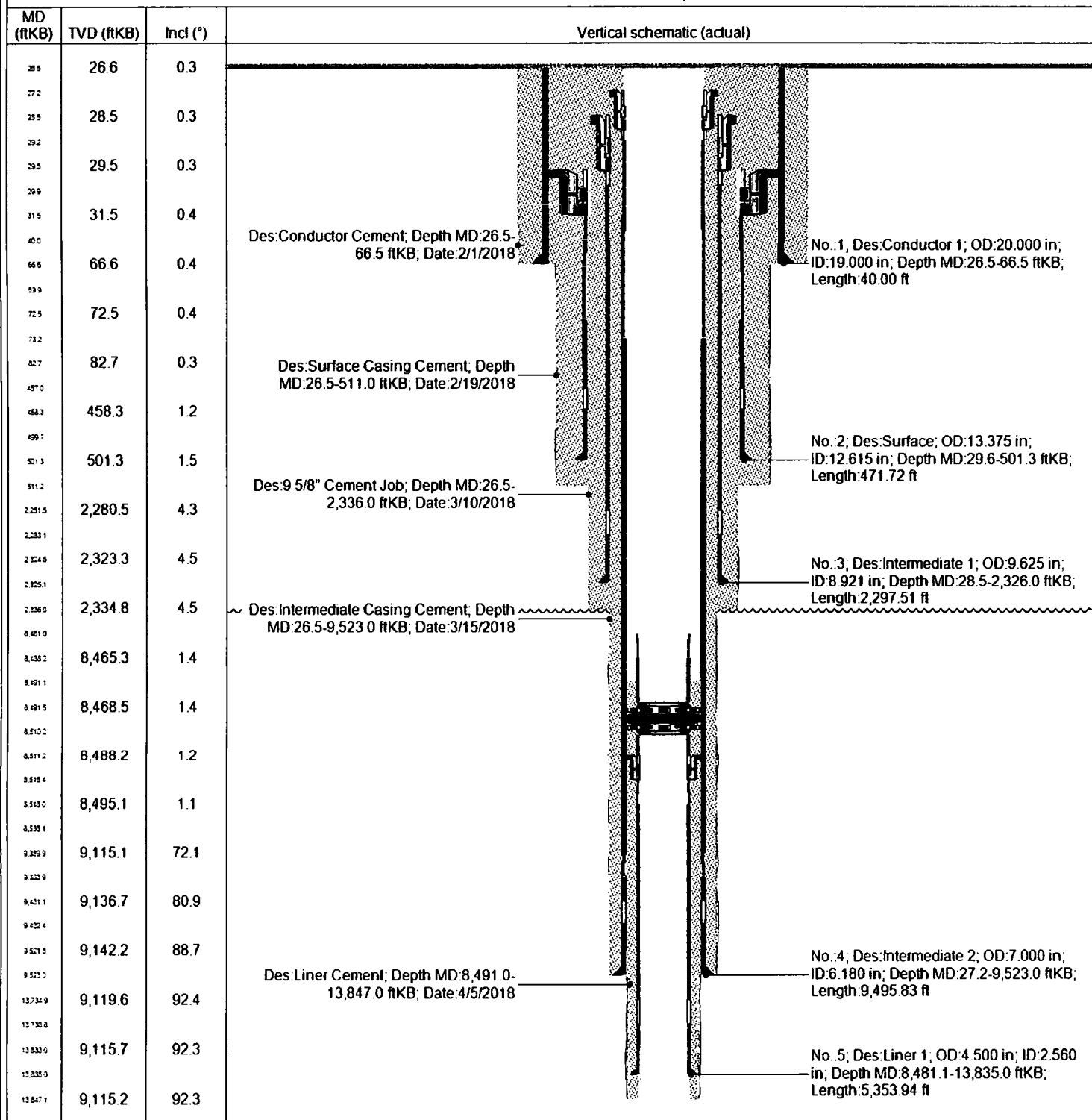
Surface	0
Salado	640
Castile	640
Base Salt	2152
Lamar	2292
Delaware Sands (Bell Canyon)	2363
Cherry Canyon	3117
Brushy Canyon	4208
Bone Spring	5764
FBSG Sand	6764
SBSG Sand	7317
TBSG Sand	7585
Wolfcamp	9056

## Wellbore Schematic

Well Name: BLACK RIVER 374 STATE 24 27 15 WXY 3H

State/Province NEW MEXICO	Prospect Area MALAGA	Field Name PURPLE SAGE	Well Subtype	Lat/Long Datum NAD27	Latitude (°) 32.210687	Longitude (°) -104.180812
Well Configuration Type HORIZONTAL	Well Objective EXPLOITATION	Well Status COMPLETION	Ground Elevation (ft) 3,223.00	KB-Ground Distance (ft) 26.50		

### HORIZONTAL - BLACK RIVER 374 STATE 24 27 15 WXY 3H, 4/13/2018 8:47:48 AM



Directions to Well: FROM THE INTERSECTION OF U.S. HIGHWAY 62/WEST GREENE STREET AND U.S. 180 W/U.S. 62 W/S. CANAL STREET IN CARLSBAD, NEW MEXICO. TRAVEL SOUTH ON U.S. 62 W/S. CANAL STREET FOR 2.0 MILES TO SLIGHT LEFT ONTO U.S.-285 SOUTH. TRAVEL SOUTH ON U.S.-285 SOUTH FOR 11.2 MILES TO HIGBY HOLE ROAD ON THE RIGHT. TRAVEL SOUTH ON HIGBY HOLE ROAD FOR 3.3 MILES TO A BLACK RIVER VILLAGE ROAD ON THE RIGHT. TRAVEL WEST ON BLACK RIVER VILLAGE ROAD FOR 3.2 MILES TO A LEASE ROAD ON THE LEFT. TRAVEL SOUTHWEST ON THE LEASE ROAD FOR 1.4 MILES TO A LEASE ROAD ON THE LEFT. TRAVEL SOUTH ON LEASE ROAD FOR 0.5 MILES TO PROPOS.