

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. 30-015-44502		
								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 HERMES FEE 23 28 30 WXY				
						6. Well Number: NM OIL CONSERVATION ARTESIA DISTRICT 5H				
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER						SEP 06 2018				
8. Name of Operator Marathon Oil Permian LLC						9. OGRID 372098 RECEIVED				
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	30	23S	28E		371	FSL	1584	FEL	EDDY
BH:	B	30	23S	28E		320	FNL	1335	FEL	EDDY
13. Date Spudded 12/17/2017	14. Date T.D. Reached 1/19/2018		15. Date Rig Released 1/21/2018		16. Date Completed (Ready to Produce) 8/17/2018			17. Elevations (DF and RKB, RT, GR, etc.) 3117 GR		
18. Total Measured Depth of Well 14,081' / 14435		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 9,897' - 13,997' ; WOLFCAMP										
23. 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		505' J55		17 1/2"		635 C		173
9 5/8"		40		2,468' L80		12 1/4"		827 C		380
7"		29		9,853' P110		8 3/4"		952 C		0 AD
24. LINER RECORD					25. TUBING RECORD					
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET			
4 1/2"	8,850	14,053	526 H		2.875"	8,841'	8,837'			
1.125	13.5 P110				2.375"	8,841'	8,837'			
26. Perforation record (interval, size, and number) 9,897' - 13,997'; 0.35"; 810 shots					27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
					DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
					9,897' - 13,997'		10,115,804 lbs - 40/70; 100 Mesh			
					15,750 gal - 15% HCl Acid AD					
28. PRODUCTION										
Date First Production 8/17/2018		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing				
Date of Test 8/28/2018	Hours Tested 24	Choke Size 58	Prod'n For Test Period	Oil - Bbl 927	Gas - MCF 2863	Water - Bbl. 3274	Gas - Oil Ratio 1.14			
Flow Tubing Press. 1021	Casing Pressure 75	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 AD		Printed Name Adrian Covarrubias			Title CTR - Technician HES			Date 8/31/2018		
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. Blinbry	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. 3, from.....to.....

No. 2, 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

Hermes Fee 23 28 30 WXY 5H

Surface	0
Salado	283
Castile	638
Lamar	2457
Delaware Sands (Bell Canyon)	2499
Cherry Canyon	3279
Brushy Canyon	4514
Bone Spring	6054
FBSG Sand	7036
SBSG Sand	7746
TBSG Sand	8985
Wolfcamp	9323

Hermes Fee 23 28 30 WXY 5H - Casing and Cement Operations				
Casing detail	Surface	Intermediate	Production	Liner
Date	12/17/2017	12/20/2017	12/24/2017	1/20/2018
Hole size	17 1/2"	12 1/4"	8 3/4"	6 1/8"
Casing size	13 3/8"	9 5/8"	7"	4 1/2"
Weight	54.5	40	29	13.5
Type	J55	L80	P110	P110IC
Thread	Buttress	Buttress	BLUE	TXP
Depth (MD)	505	2468	9853	14053
Amount jnts	10	56	220	109
Cement detail	Surface	Intermediate	Production	Liner
Date	12/17/2017	12/20/2017	12/25/2017	1/20/2018
Top depth KB	26.5	26.5	26.5	8,850
Bottom depth KB	512	2480	9853	14053
Lead sks		648	759	
Yield		1.75	2.7	
WOC to 500 psi		7 hrs	72 hrs	
Tail sks	635	179	193	526
Yield	1.33	1.33	1.22	1.18
WOC to 500 psi		7 hrs	4.25 hrs	24.49 hrs
Gel spacer		20 bbls	20 bbls	
Clean Spacer				20 bbls
Fresh Water Spacer	10 bbls			
Class	C	C	C	H
Circulate to surface (sks)	173	380	0	76
Top meas. method	Cirucate	Circulate	Volume Calculations	Circulate
TOC	26.5	25	180	8880
Pressure testing	Surface	Intermediate	Production	Liner
Date	12/18/2017	12/20/2017	12/25/2017	1/20/2017
PSI	1500	1500	2800	4250
Time (min)	30	30	30	30
Bled off	0	20	10	0
Drop	0%	1%	0%	0%
Good test	Yes	Yes	Yes	Yes

NM OIL CONSERVATION
ARTESIA DISTRICT

FEB 15 2018

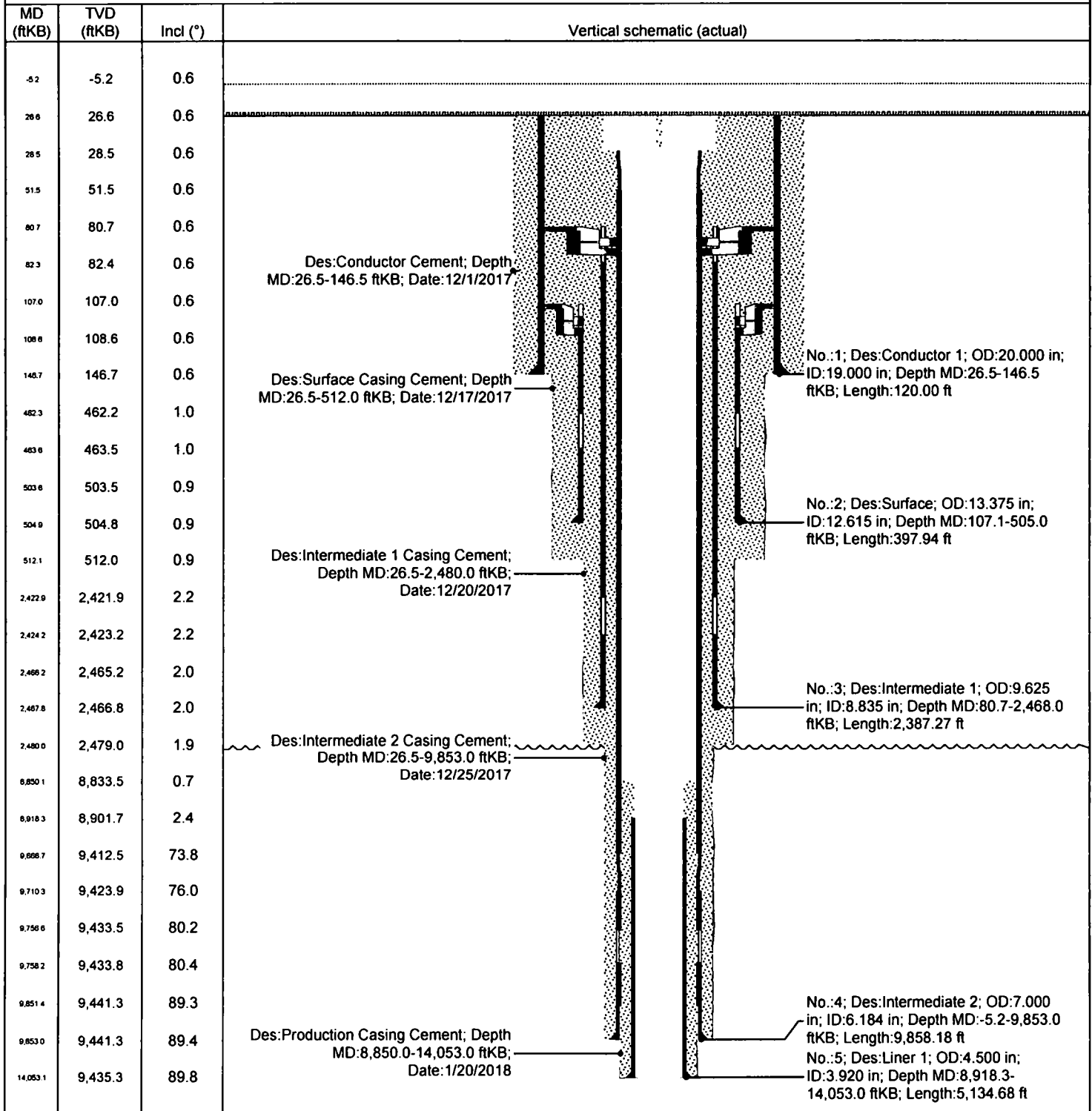
RECEIVED



Wellbore Schematic
Well Name: HERMES FEE 23 28 30 WXY 5H

State/Province NEW MEXICO	Prospect Area MALAGA	Field Name	Well Subtype	Lat/Long Datum NAD27	Latitude (°) 32.269750	Longitude (°) -104.122666
Well Configuration Type HORIZONTAL	Well Objective EXPLOITATION	Well Status DRILLING	Ground Elevation (ft) 3,117.00	KB-Ground Distance (ft) 26.50		

HORIZONTAL - HERMES FEE 23 28 30 WXY 5H, 2/15/2018 9:03:34 AM



Directions to Well: