

Submit To Appropriate District Office Two Copies District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 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. 20-015-44628								
		2. Type of Lease <input type="checkbox"/> STATE <input checked="" 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>GRAVEL GRINDER FEE 23 28 18 WA</b>								
		6. Well Number: <b>5H</b>								
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>								
10. Address of Operator <b>5555 San Felipe St., Houston, TX 77056</b>		11. Pool name or Wildcat <b>PURPLE SAGE; WOLFCAMP</b>								
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	M	18	23S	28E		353	FSL	1295	FWL	EDDY
BH:	D	18	23S	28E		285	FNL	1241	FWL	EDDY
13. Date Spudded 4/11/2018	14. Date T.D. Reached 6/3/2018		15. Date Rig Released 6/6/2018		16. Date Completed (Ready to Produce) 9/16/2018			17. Elevations (DF and RKB, RT, GR, etc.) 3,080' GR		
18. Total Measured Depth of Well 14,218' / 9,585'		19. Plug Back Measured Depth 9555		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 9,828' - 14,094'; WOLFCAMP										
<b>23. CASING RECORD (Report all strings set in well)</b>										
CASING SIZE	WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
9 13 3/8"	54.5 J55		408'		17 1/2"		494 C		190	
I 9 5/8"	36 J55		2,525'		12 1/4"		989 C		305	
P 7"	29 P110		9,794'		8 3/4"		925 C		200	
L 4.50"	13.5 P110		14,208		6.125"		536 P02			
<b>24. LINER RECORD</b>						<b>25. TUBING RECORD</b>				
SIZE	TOP	BOTTOM	SACKS CEMENT		SCREEN	SIZE	DEPTH SET	PACKER SET		
4 1/2"	8,898'	14,208'	536							
26. Perforation record (interval, size, and number) 9,828' - 14,094'; 0.36"; 840 shots						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						9,828' - 14,094'		10,749,690 lbs - 40/70; 100 Mesh		
								12,159 gal - 15% HCl Acid		
<b>28. PRODUCTION</b>										
Date First Production 9/17/2018		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing				
Date of Test 9/27/2018	Hours Tested 24	Choke Size 1600	Prod'n For Test Period	Oil - Bbl 1958	Gas - MCF 4232	Water - Bbl. 2935	Gas - Oil Ratio			
Flow Tubing Press. 0	Casing Pressure 1600	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 <i>ALN</i>		Printed Name <b>Adrian Covarrubias</b>			Title <b>CTR - Technician HES</b>			Date <b>10/2/2018</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. 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**

Gravel Grinder Fee 23 28 18 WA 5H

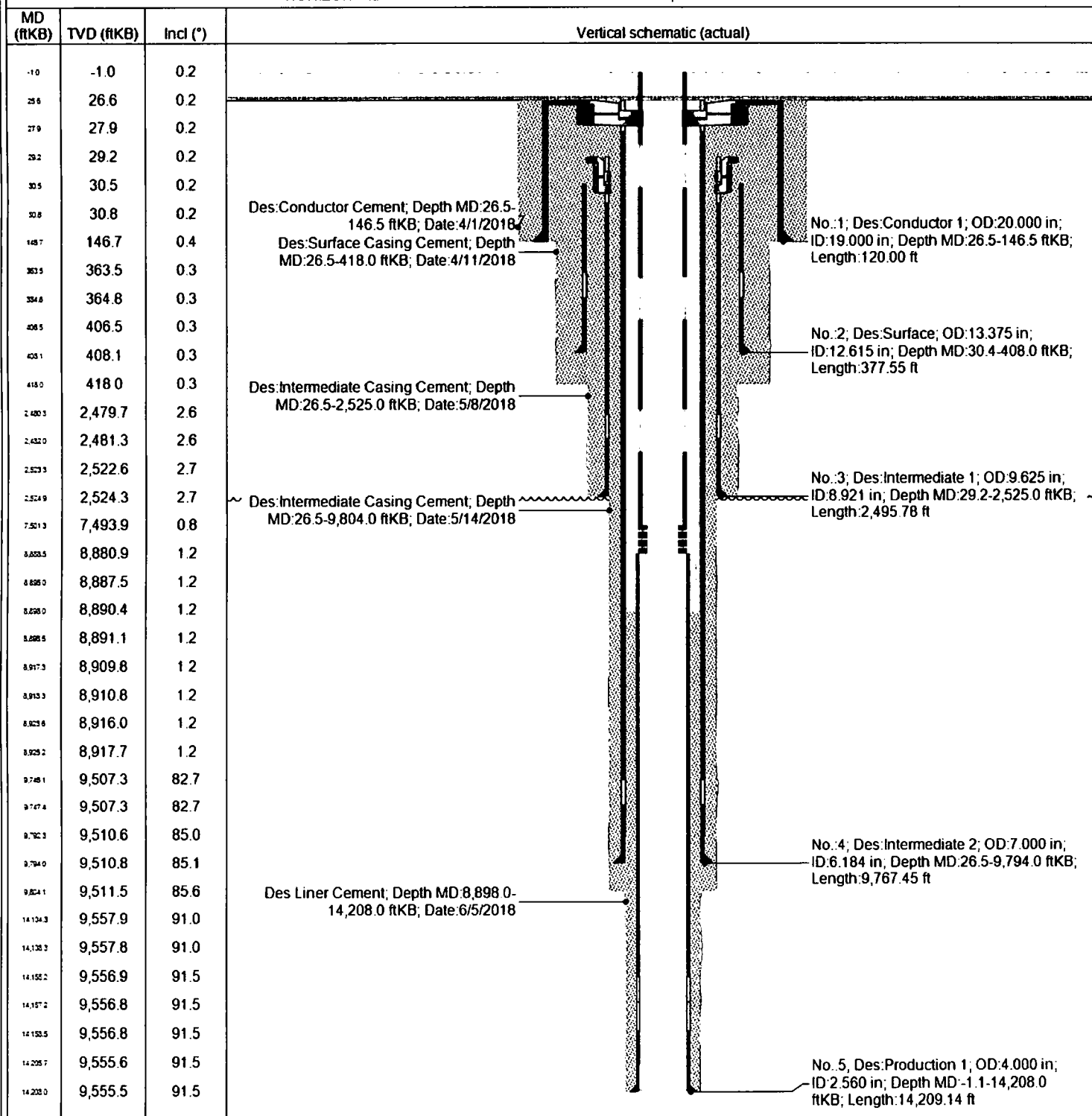
Surface	0
Salado	411
Castile	829
Base Salt	2307
Lamar	2461
Delaware Sands (Bell Canyon)	2491
Cherry Canyon	3249
Brushy Canyon	4453
Bone Spring	6010
FBSG Sand	6894
SBSG Sand	7646
TBSG Sand	8937
Wolfcamp	9261

## Wellbore Schematic

Well Name: GRAVEL GRINDER FEE 23 28 18 WA 5H

State/Province NEW MEXICO	Prospect Area MALAGA	Field Name PURPLE SAGE	Well Subtype	Lat/Long Datum NAD27	Latitude (°) 32.298858	Longitude (°) -104.130415
Well Configuration Type HORIZONTAL	Well Objective EXPLOITATION	Well Status DRILLING	Ground Elevation (ft) 3,080.00	KB-Ground Distance (ft) 26.50		

### HORIZONTAL - GRAVEL GRINDER FEE 23 28 18 WA 5H, 6/11/2018 1:24:27 PM



Directions to Well: FROM THE ALSUP'S CONVENIENCE STORE IN LOVING, NM, HEAD NORTH ON US HWY 285 FOR 0.9 MILES TO W. NEW LONDON RD. TURN LEFT ON W. NEW LONDON RD, HEADING WEST FOR 1.7 MILES. THE SOUTHERN GRAVEL GRINDER 23-28-18 WELL LOCATIONS WILL BE TO THE RIGHT ON THE NORTH SIDE OF THE ROAD.