

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		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. 30-015-43869																
		2. Type of Lease <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/> FED/INDIAN																
		3. State Oil & Gas Lease No.																
WELL COMPLETION OR RECOMPLETION REPORT AND LOG																		
4. Reason for filing: <input checked="" type="checkbox"/> COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) <input type="checkbox"/> 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 Cass 16 State														
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				6. Well Number: 3H														
8. Name of Operator Marathon Oil Permian LLC				9. OGRID 372098														
10. Address of Operator 5555 San Felipe St., Houston, TX 77056				11. Pool name or Wildcat Purple Sage; Wolfcamp (Gas)														
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County								
Surface:	E	16	23S	27E		1988'	N	256'	W	Eddy								
BH:	H	16	23S	27E		1983' 1982'	N	240' 341'	E	Eddy								
13. Date Spudded 7/1/2017	14. Date T.D. Reached 7/18/2017	15. Date Rig Released 7/20/2017		16. Date Completed (Ready to Produce) 10/24/2017 10/18/17		17. Elevations (DF and RKB, RT, GR, etc.) 3160'												
18. Total Measured Depth of Well 13,777' 14215		19. Plug Back Measured Depth 13,731'		20. Was Directional Survey Made? Yes		21. Type Electric and Other Logs Run Gamma and Mud												
22. Producing Interval(s), of this completion - Top, Bottom, Name ?																		
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"		48.00		417.0' J55		17 1/2"		500 C		55								
9 5/8"		40.0		1964.0' J55		12 1/4"		691 C		76								
7"		29.00		9,045.5 P110		8 3/4"		745 C		60								
4.5"		16.34		13,775 P110		6 1/8"		552 Versa		30								
24. LINER RECORD																		
SIZE	TOP	BOTTOM	SACKS CEMENT		SCREEN													
4.5"	8,426.8'	13,777'	552															
25. TUBING RECORD																		
SIZE	DEPTH SET		PACKER SET															
4.5"																		
26. Perforation record (interval, size, and number) Interval: 9,289 - 13,647' Size: 0.36" Number: 930						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>DEPTH INTERVAL</th> <th>AMOUNT AND KIND MATERIAL USED</th> </tr> <tr> <td>9,143' - 13,777'</td> <td>1,107 bbls. - 15% HCl Acid</td> </tr> <tr> <td></td> <td>109,629 bbls. - Slickwater</td> </tr> <tr> <td></td> <td>11,000,445 lbs. - Propants, Sand</td> </tr> </table>					DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	9,143' - 13,777'	1,107 bbls. - 15% HCl Acid		109,629 bbls. - Slickwater		11,000,445 lbs. - Propants, Sand
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28. PRODUCTION																		
Date First Production 10/21/2017		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing												
Date of Test 10/28/2017	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 808	Gas - MCF 1707	Water - Bbl. 4041	Gas - Oil Ratio											
Flow Tubing Press. 685	Casing Pressure 580	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>Jennifer Van Curen</i>			Printed Name Jennifer Van Curen			Title Sr. Regulatory Compliance			Date 11/21/17									
E-mail Address jvancuren@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. Ojo Alamo		T. Penn A"
T. Salt	469		T. Kirtland		T. Penn. "B"
B. Salt	1740		T. Fruitland		T. Penn. "C"
T. Yates			T. Pictured Cliffs		T. Penn. "D"
T. 7 Rivers			T. Cliff House		T. Leadville
T. Queen			T. Menefee		T. Madison
T. Grayburg			T. Point Lookout		T. Elbert
T. San Andres			T. Mancos		T. McCracken
T. Glorieta			T. Gallup		T. Ignacio Otzte
T. Paddock			Base Greenhorn		T. Granite
T. Blinebry			T. Dakota		
T. Tubb			T. Morrison		
T. Drinkard			T. Todilto		
T. Abo			T. Entrada		
T. Wolfcamp	8897		T. Wingate		
T. Penn			T. Chinle		
T. Cisco (Bough C)			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