

RECEIVED

Submit To Appropriate District Office Two Copies I 1025 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 III Rio Brazos Rd., Aztec, NM 87410 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. 30-015-44619 2. Type of Lease ☒ STATE ☐ FEE ☐ FED/INDIAN 3. State Oil & Gas Lease No.
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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 STERLING STATE 23 27 20 TB 6. Well Number: 4H
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7. Type of Completion:
☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER

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
CARLSBAD; BONE SPRING, SOUTH

12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	O	20	23S	27E		603	FSL	1462	FEL	EDDY
BH:	A	20	23S	27E		287	FNL	969	FEL	EDDY

13. Date Spudded 2/8/2018	14. Date T.D. Reached 2/21/2018	15. Date Rig Released 2/24/2018	16. Date Completed (Ready to Produce) 4/29/2018	17. Elevations (DF and RKB, RT, GR, etc.) 3181 GR
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18. Total Measured Depth of Well 13,641' 18907	19. Plug Back Measured Depth	20. Was Directional Survey Made? YES	21. Type Electric and Other Logs Run MUD GR
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22. Producing Interval(s), of this completion - Top, Bottom, Name
 8,933' - 13,531'; BONE SPRING

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	610 J 55	17 1/2	C 814	372
9 5/8	40	2107 J 55	12 1/4	C 695	206
5 1/2	20	13622 P 110	8 3/4	C 2448	546

24. LINER RECORD				25. TUBING RECORD		
	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET

26. Perforation record (interval, size, and number) 8,933' - 13,531'; 0.36", 900 shots	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 8,933' - 13,531' 9,479,200 LBS - 40/70; 100 MESH 524 BBLS - 15% HCL ACID
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28. PRODUCTION

Date First Production 5/2/2018		Production Method (Flowing, gas lift, pumping - Size and type pump) FLOWING			Well Status (Prod. or Shut-in) PRODUCING		
Date of Test 5/12/2018	Hours Tested 24	Choke Size 64	Prod'n For Test Period	Oil - Bbl 184	Gas - MCF 275	Water - Bbl. 1017	Gas - Oil Ratio
Flow Tubing Press. 0	Casing Pressure 250	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

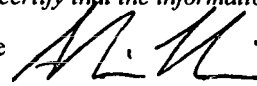
31. List Attachments

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  Printed Name **Adrian Covarrubias** Title **Environmental Engineer** Date **5/15/2018**

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. 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. 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

Geological Tops

STERLING STATE 23 27 20 TB 4H

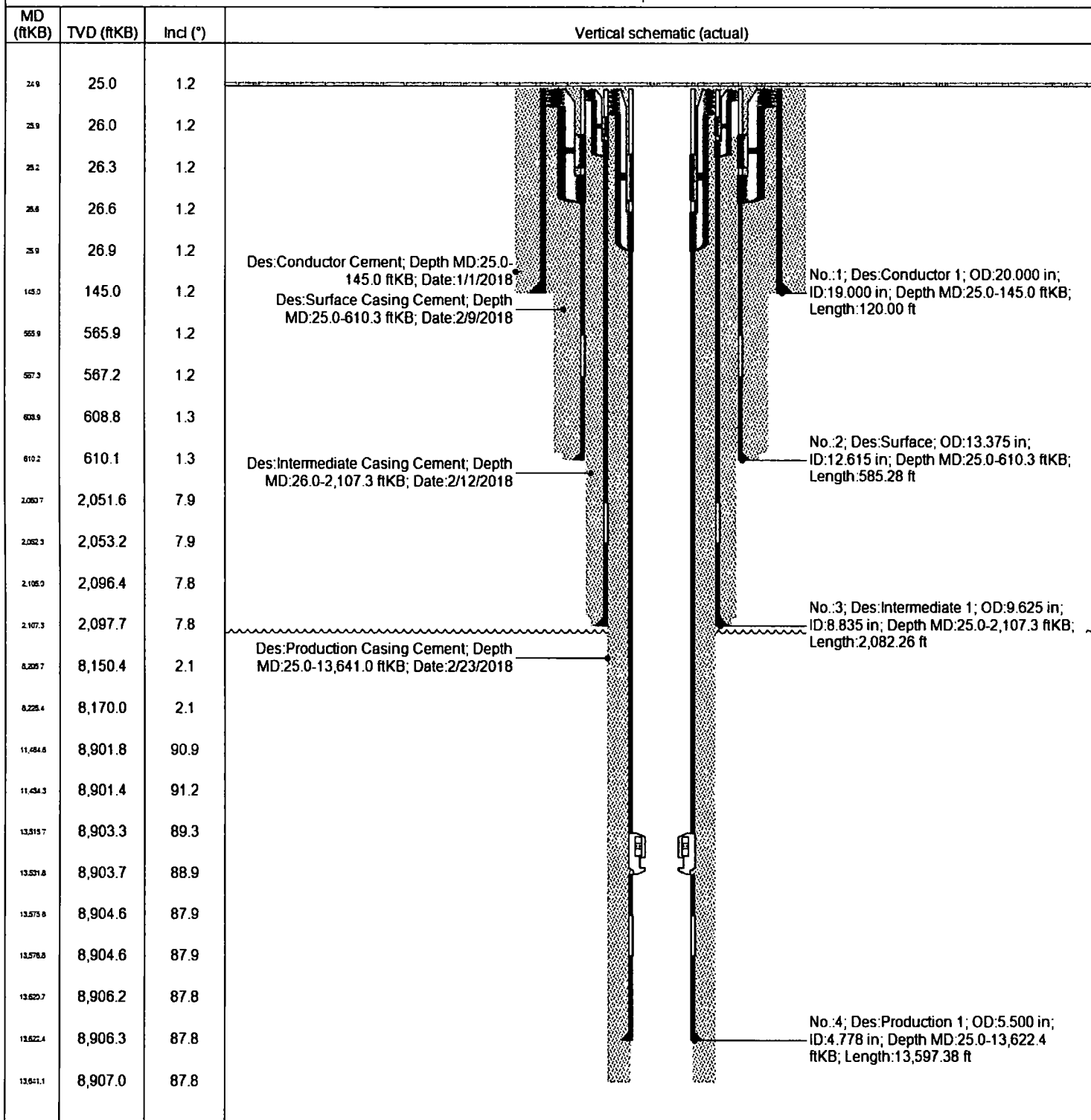
Surface	0
Salado	588
Castile	588
Base Salt	1812
Lamar	2018
Delaware Sands (Bell Canyon)	2106
Cherry Canyon	2814
Brushy Canyon	3921
Bone Spring	5450
FBSG Sand	6521
SBSG Sand	7042
TBSG Sand	8568

Wellbore Schematic

Well Name: **STERLING STATE 23 27 20 TB 4H**

State/Province NEW MEXICO	Prospect Area MALAGA	Field Name	Well Subtype	Lat/Long Datum NAD27	Latitude (") 32.284518	Longitude (") -104.208006
Well Configuration Type HORIZONTAL	Well Objective EXPLOITATION	Well Status COMPLETION	Ground Elevation (ft) 3,181.00	KB-Ground Distance (ft) 25.00		

HORIZONTAL - STERLING STATE 23 27 20 TB 4H, 4/12/2018 12:14:35 PM



Directions to Well: