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EMNRD-OC D ARTESIA
REC'D: 7/7/2020 amended

MAY 20 2020

Form 3160-4
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

EMNRD-OC D ARTESIA

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other			5. Lease Serial No. NMNM132065		
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other			6. If Indian, Allottee or Tribe Name		
2. Name of Operator MARSHALL & WINSTON INCORPORATED			7. Unit or CA Agreement Name and No.		
Contact: SHERRY L. ROBERTS Tel: sroberts@mar-win.com			8. Lease Name and Well No. HI BOB FEDERAL COM 4H		
3. Address 6 DESTA DRIVE, SUITE 3100 MIDLAND, TX 79705			9. API Well No. 30-005-64343-00-X1		
3a. Phone No. (include area code) Ph: 432-684-6373			10. Field and Pool, or Exploratory ROUND TANK-SAN ANDRES		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SESE 517FSL 765FEL 33.024567 N Lat, 104.044472 W Lon At top prod interval reported below Sec 17 T15S R29E Mer NMP At total depth SESE 20FSL 400FEL 33.008724 N Lat, 104.043320 W Lon			11. Sec., T., R., M., or Block and Survey or Area Sec 8 T15S R29E Mer NMP		
14. Date Spudded 01/25/2020			15. Date T.D. Reached 02/06/2020		
16. Date Completed ☐ D & A ☒ Ready to Prod. 03/14/2020			17. Elevations (DF, KB, RT, GL)* 3817 GL		
18. Total Depth: MD 8848 TVD 3271		19. Plug Back T.D.: MD 8823 TVD 3271		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) NONE-MECHANICAL			22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit analysis) Directional Survey? ☐ No ☒ Yes (Submit analysis)		

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cement Depth	No of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375	48.0		246		250		0	
12.250	9.625	40.0		1289		430		0	
8.750	7.000	26.0		2749		1640		0	
8.750	5.500	17.0		8647		600		0	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
3.500	2703							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) SAN ANDRES	3530	8780	3530 TO 8780	0.420	1044	PRODUCING
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
3530 TO 8780	68859 GALS 15% HCL ACID, 5692541 LBS 20-40 SAND

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
03/14/2020	04/06/2020	24	→	69.0	17.0	972.0	36.0	0.94	OTHER
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
WO	SI	49.0	→	69	17	972	246	POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #513726 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

7/21/2020 AB

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

28b. Production - Interval C									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
Choke Size	Tub. Press. Flowing SI	Cog. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas O.I. Ratio	Well Status	

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Plwg. SI	Csg Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

30. Summary of Porous Zones (Include Aquifers): Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.	31. Formation (Log) Markers
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Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
QUEEN SAN ANDRES	1540 2390	1584 3560	SANDSTONE DOLOMITE, ANHYDRITE		

31. Formation (Log) Markers

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)	2. Geologic Report	3. DST Report	4. Directional Survey
5. Sundry Notice for plugging and cement verification	6. Core Analysis	7. Other:	

Electronic Submission #513726 Verified by the BLM Well Information System.
For MARSHALL & WINSTON INCORPORATE, sent to the Roswell
Committed to AFMSS for processing by JENNIFER SANCHEZ on 05/04/2020 (20JS0096SE)

Name (please print) SHERRY L. ROBERTS Title OPERATIONS SECRETARY

Signature (Electronic Submission) Date 05/01/2020

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

Revisions to Operator-Submitted EC Data for Well Completion #513726

	Operator Submitted	BLM Revised (AFMSS)
Lease:	NMNM121949	NMNM132065
Agreement:		
Operator:	MARSHALL & WINSTON, INC. P. O. BOX 50880 MIDLAND, TX 79710-0880 Ph: 432-684-6373	MARSHALL & WINSTON INCORPORATE 6 DESTA DRIVE, SUITE 3100 MIDLAND, TX 79705 Ph: 4326846373
Admin Contact:	SHERRY L. ROBERTS OPERATIONS SECRETARY E-Mail: sroberts@mar-win.com Ph: 432-684-6373 Fx: 432-682-1316	SHERRY L. ROBERTS OPERATIONS SECRETARY E-Mail: sroberts@mar-win.com Ph: 432-684-6373 Fx: 432-682-1316
Tech Contact:	SHERRY L. ROBERTS OPERATIONS SECRETARY E-Mail: sroberts@mar-win.com Ph: 432-684-6373 Fx: 432-682-1316	SHERRY L. ROBERTS OPERATIONS SECRETARY E-Mail: sroberts@mar-win.com Ph: 432-684-6373 Fx: 432-682-1316
Well Name: Number:	HI BOB FEDERAL COM 4H	HI BOB FEDERAL COM 4H
Location: State: County: S/T/R: Surf Loc:	NM CHAVES Sec 8 T15S R29E Mer NMP SESE Lot P 517FSL 765FEL 33.024567 N Lat, 104.044472 W Lon	NM CHAVES Sec 8 T15S R29E Mer NMP SESE Lot P 517FSL 765FEL 33.024567 N Lat, 104.044472 W Lon
Field/Pool:	ROUND TANK; SAN ANDRES	ROUND TANK-SAN ANDRES
Logs Run:	NONE - MECHANICAL PUMP	NONE-MECHANICAL
Producing Intervals - Formations:	SAN ANDRES	SAN ANDRES
Parous Zones:	QUEEN SAN ANDRES	QUEEN SAN ANDRES
Markers:		