

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
NMNM59383

1a. Type of Well  Oil Well  Gas Well  Dry  Other  
 b. Type of Completion  New Well  Work Over  Deepen  Plug Back  Diff. Resvr.  
 Other \_\_\_\_\_

6. If Indian, Allottee or Tribe Name \_\_\_\_\_  
 7. Unit or CA Agreement Name and No. \_\_\_\_\_

2. Name of Operator **NOVO OIL AND GAS NORTHERN DISTRICT** Contact: **KURT SHIPLEY**  
 Email: **kshipley@novooil.com**

8. Lease Name and Well No.  
**RANA SALADA FED COM 0504 234H**

3. Address **1001 WEST WILSHIRE BOULEVARD SUITE 206** 3a. Phone No. (include area code)  
**OKLAHOMA CITY, OK 73116** Ph: **405-286-3916**

9. API Well No.  
**30-015-46088-00-S1**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface **SESE 1241FSL 669FEL 32.330433 N Lat, 104.017769 W Lon**  
**Sec 6 T23S R29E Mer NMP**  
 At top prod interval reported below **SWSW 407FSL 330FWL**  
**Sec 5 T23S R29E Mer NMP**  
 At total depth **SWSE 382FSL 1550FEL**  
**Sec 4 T23S R29E Mer NMP**

10. Field and Pool, or Exploratory  
**PURPLE SAGE-WOLFCAMP (GAS)**

11. Sec., T., R., M., or Block and Survey  
 or Area **Sec 6 T23S R29E Mer NMP**

12. County or Parish  
**EDDY**

13. State  
**NM**

14. Date Spudded  
**07/13/2019**

15. Date T.D. Reached  
**08/16/2019**

16. Date Completed  
 D & A  Ready to Prod.  
**11/24/2019**

17. Elevations (DF, KB, RT, GL)\*  
**3039 GL**

18. Total Depth: MD **19892** 19. Plug Back T.D.: MD **19833**  
 TVD **10932** TVD **10932**

20. Depth Bridge Plug Set: MD  
 TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
**GR**

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 Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	54.5	0	250		260	62	0	0
12.250	9.625 J55	40.0	0	2989		1255	387	0	0
8.750	7.625 P110	29.7	0	8456		705	307	0	0
6.750	5.500 P110	23.0	0	19881		1300	299	0	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)

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) <b>WOLFCAMP</b>	<b>11157</b>	<b>19736</b>	<b>11157 TO 19736</b>	<b>0.460</b>	<b>1376</b>	<b>OPEN/PRODUCING</b>
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
<b>11157 TO 19736</b>	<b>11,018 GAL FR, 11826 GAL CLAY CONTROL 101, 4666 GAL SCALE STOP 54, 11,770 GAL SURFACTANT 201,</b>

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
<b>11/24/2019</b>	<b>12/27/2019</b>	<b>24</b>	<b>→</b>	<b>1243.0</b>	<b>8578.0</b>	<b>3573.0</b>	<b>52.0</b>	<b>0.83</b>	<b>FLOWS FROM WELL</b>
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
<b>34</b>	<b>SI 0</b>	<b>3529.0</b>	<b>→</b>	<b>1243</b>	<b>8578</b>	<b>3573</b>	<b>6901</b>	<b>PGW</b>	

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
			<b>→</b>						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	<b>SI</b>		<b>→</b>						

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

ELECTRONIC SUBMISSION #502527 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**\*\* 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	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

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. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)  
CAPTURED

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

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
RUSTLER	313	764	ANHY.	RUSTLER	313
SALADO	764	1404	SALT	SALADO	764
CASTILE	1404	2870	ANHY.	CASTILE	1404
DELAWARE	2870	6466	SS,SH,LMS: WATER&OIL	DELAWARE	2870
BONE SPRING	6466	9805	SS,LMS,SH: OIL	BONE SPRING	6466
WOLFCAMP	9805	19892	SS,SH,LMS: OIL	WOLFCAMP	9805

32. Additional remarks (include plugging procedure):

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:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #502527 Verified by the BLM Well Information System.  
For NOVO OIL AND GAS NORTHERN DELA, sent to the Carlsbad  
Committed to AFMSS for processing by DEBORAH HAM on 02/25/2020 (20DMH0112SE)**

Name (please print) BRIAN WOOD Title CONSULTANT

Signature (Electronic Submission) Date 02/10/2020

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

## Revisions to Operator-Submitted EC Data for Well Completion #502527

	<b>Operator Submitted</b>	<b>BLM Revised (AFMSS)</b>
Lease:	NMNM59383	NMNM59383
Agreement:		
Operator:	NOVO OIL & GAS N DELAWARE LLC 1001 W. WILSHIRE BLVD. SUITE 206 OKLAHOMA CITY, OK 73116 Ph: 405-286-3916	NOVO OIL AND GAS NORTHERN DELA 1001 WEST WILSHIRE BOULEVARD SUITE 206 OKLAHOMA CITY, OK 73116 Ph: 4054040414
Admin Contact:	KURT SHIPLEY VP-OPERATIONS E-Mail: kshipley@novoog.com  Ph: 405-286-3916	KURT SHIPLEY VP-OPERATIONS E-Mail: kshipley@novoog.com Cell: 405-404-0414 Ph: 405-286-3916
Tech Contact:	BRIAN WOOD CONSULTANT E-Mail: brian@permitswest.com  Ph: 505-466-8120	BRIAN WOOD CONSULTANT E-Mail: brian@permitswest.com  Ph: 505-466-8120
Well Name: Number:	RANA SALADA FED COM 0504 234H	RANA SALADA FED COM 0504 234H
Location: State: County: S/T/R: Surf Loc:	NM EDDY Sec 6 T23S R29E Mer NMP SESE 1241FSL 669FEL	NM EDDY Sec 6 T23S R29E Mer NMP SESE 1241FSL 669FEL 32.330433 N Lat, 104.017769 W Lon
Field/Pool:	PURPLE SAGE WOLFCAMP	PURPLE SAGE-WOLFCAMP (GAS)
Logs Run:	GR	GR
Producing Intervals - Formations:	WOLFCAMP	WOLFCAMP
Porous Zones:	RUSTLER SALADO CASTILE DELAWARE BONE SPRING WOLFCAMP	RUSTLER SALADO CASTILE DELAWARE BONE SPRING WOLFCAMP
Markers:	RUSTLER SALADO CASTILE DELAWARE BONE SPRING WOLFCAMP	RUSTLER SALADO CASTILE DELAWARE BONE SPRING WOLFCAMP