

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS OCD

DEC 10 2018
OCD Hobbs
RECEIVED

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMN1080255

6. If Indian, Allottee or Tribe Name

7. Unit or C.A. Agreement Name and No.
317655

8. Lease Name and Well No.
Aracman Federal #12

9. API Well No.
30-02544305-55480

10. Field and Pool or Exploratory
Sawyer (San Andres)

11. Sec, T, R, M., on Block and
Survey or Area JPH Section 24,
19S, R37E, N14P

12. County or Parish
Lea

13. State
NM

17. Elevations (DF, RKB, RT, GL)*
3962.62

16. Date Completed
4/6/18

18. Total Depth: MD 5223
TVD 5223

19. Plug Back T.D.: MD 5190
TVD 5190

20. Depth Bridge Plug Set: MD
TVD NA

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
GR/BHC/CNL/DLL/LDT

22. Was well cored? No Yes (Submit analysis)

Was DST run? No Yes (Submit report)

Directional Survey? No Yes (Submit copy)

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 Skis & Type of Cement	Slurry Vol (BBL)	Cement Top*	Amount Pulled
12.25	11" J-55	24	Surface	2325	-	1188 40#	392	CIR	0
8.75	5.5" J-55	15.5	Surface	5223	-	970 40#	273	CIR	0

24. Tubing Record

Size	Dept Set (MD)	Packer Dept (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8"	5180	-	-	-	-	-	-	-

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) San Andres	-	-	4930-5132	0.625	102	Open

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Post hydraulic fracturing chemical disclosures on FracFocus.org

Depth Interval: 4930-5132
Amount, Type of Material and Date of Chemical Disclosure upload on FracFocus.org: Acidized with 20,000 gallons 20% NEFE HCl Acid

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
4/6/18	4/18/18	24	→	52	40	180	35	0.89	Insert Rod Pump - 1.5"
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
-	400	40	→	52	40	180	769	Active/Producing	

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

ACCEPTED FOR RECORD
JUL 10 2018
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

*(See instructions and spaces for additional data on page 2)

Reclamation Dec: 10/6/2018

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 (Solid, used for fuel, vented, etc.)

Sold to Targa

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

See Below

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
San Andres	4775	5223	Dolomite (No DST's or Cores)	Rustler SALT Yates Grayburg San Andres (Upper) San Andres (Lower)	1640 2420 3060 3940 4775 4990

32. Additional remarks (include plugging procedure).

33. Indicate which items have been attached by placing a check in the appropriate boxes.

- Electrical-Mechanical Logs (1 full set req'd)
 Geologic Report
 DST Report
 Directional Survey
 Sundry Notice for plugging and cement verification
 Core Analysis
 Other:

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

Name (please print) Joe D. Hardie Title President
 Signature [Signature] Date 4/16/18

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.

INCLINATION REPORT

OPERATOR Raw Oil & Gas, Inc.	WELL NAME Aikman Federal #2
ADDRESS 1415 Buddy Holly Avenue Lubbock, TX 79401	COUNTY Lea Co, NM
LOCATION (Section, Block, and Survey) Sec 24, T-9-S, R-37-E	
CONTRACTOR NAME AND ADDRESS Norton Energy Drilling, 4514 Englewood Ave, Lubbock, TX 79414	

RECORD OF INCLINATION

Measured Depth (feet)	Course of Length (Hundreds of feet)	Angle of Inclination (Degrees)	Displacement per Hundred Feet (Sine of Angle X100)	Course Displacement (feet)	Accumulative Displacement (feet)
98	0.98	0.75	1.31	1.28	1.28
288	1.90	0.75	1.31	2.49	3.77
431	1.43	0.75	1.31	1.87	5.64
647	2.16	1.00	1.75	3.77	9.41
869	2.22	0.25	0.44	0.97	10.38
1,058	1.89	0.50	0.87	1.65	12.03
1,247	1.89	0.50	0.87	1.65	13.68
1,470	2.23	0.50	0.87	1.95	15.62
1,756	2.86	0.75	1.31	3.74	19.37
1,978	2.22	0.75	1.31	2.91	22.27
2,169	1.91	1.00	1.75	3.33	25.61
2,325	1.56	1.25	2.18	3.40	29.01
2,368	0.43	1.50	2.62	1.13	30.14
2,463	0.95	1.25	2.18	2.07	32.21
2,590	1.27	1.75	3.05	3.88	36.09
2,654	0.64	1.75	3.05	1.95	38.04
2,685	0.31	1.25	2.18	0.68	38.72
2,883	1.98	1.25	2.18	4.32	43.04
3,035	1.52	1.50	2.62	3.98	47.02
3,095	0.60	1.00	1.75	1.05	48.06
3,351	2.56	1.25	2.18	5.58	53.65
3,605	2.54	1.25	2.18	5.54	59.19
3,859	2.54	0.75	1.31	3.32	62.51
4,270	4.11	1.50	2.62	10.76	73.27
4,302	0.32	1.00	1.75	0.56	73.83
4,756	4.54	0.75	1.31	5.94	79.77
5,058	3.02	0.75	1.31	3.95	83.73
5,191	1.33	0.50	0.87	1.16	84.89

Accumulative total displacement of well bore at total depth of 5,191 feet = 84.89 feet.

I have personal knowledge of the inclination data and facts placed on this form and that such data and facts are true, correct, and complete to the best of my knowledge.

Signature of Authorized Representative: *John W. Norton*

Name of Person and Title (type or print): John W. Norton - President

Name of Company: Norton Energy Drilling Telephone: 806-785-8401

Sworn to and subscribed before me this 16th day of February, 2018

Julie DeAnne McCarty

Notary Public in and for the State of Texas.

My commission expires: 6-28-2020 (seal)

