

NM CONSERVATION

ARTESIA DISTRICT

Artesia

JUL 19 2017

Form 3160-4
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☒ Drift Zones ☐ Hydraulic Fracturing
Other _____

2. Name of Operator
READ & STEVENS, INC.

3. Address
PO BOX 1518, ROSWELL, NM 88202

3a. Phone No. (Include area code)
575-622-3770

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
2310' FNL & 1980' FWL
At surface

At top prod. interval reported below

At total depth 2310' FNL & 1980' FWL

14. Date Spudded
5/12/1966

15. Date TD Reached
7/6/1966

16. Date Completed 04/25/2017
☐ D & A ☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
3404' GL

18. Total Depth: MD 10500
TVD 10500

19. Plug Back T.D.: MD 4803
TVD 4803

20. Depth Bridge Plug Set MD N/A
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each):
CBL, CCL, GR, ND

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.5	13.375	48	0	916		500		0	
12.25	9.625	36	0	2600		800		0	
7.875	5.5	17	0	10500		800		4549	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	4740							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) HAPPY VALLEY; DEL	4760	4802	4760-4802	0.41	168	4 JSPF
B) HAPPY VALLEY; DEL	4803	4810	4803-4810	0.41	74	2 JSPF
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount, Type of Material and Date of Chemical Disclosure upload on FracFocus.org
4760-4802	62.880# 20/40 COOL SET SAND; 1069 BBLs 18# BORATE GEL PAD
4760-4802	ACIDIZE WITH 3004 GALS 15.8% 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
4/25/17	5/3/17	24	→	40	100	150	41.7		PUMPING
Choke Size	Tbg. Press. Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	300	280	→	40	100	150	2/5	PRODUCING OIL WELL	

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	
			→						

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

DAVID R. GLASS
PETROLEUM ENGINEER

ACCEPTED FOR RECORD
JUL 07 2017

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

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
				CHERRY CANYON	2423
				BRUSHY CANYON	3811
				BONE SPRING	5079

32 Additional remarks (include plugging procedure)

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

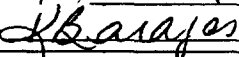
- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other

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) KELLY BARAJAS

Title PRODUCTION/REGULATORY

Signature



Date 05/08/2017

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

(Continued on page 3)

(Form 3160-4, page 2)

General	Company: Read & Stevens		Prospect: Brushy Canyon - Delaware	
	Well Name: Hackberry Hills Fed #4		TD (MD/TVD): 10500' TVD (4,760' to 4,810')	
	County: Eddy		Elevation: 3404' GL & KB	
	State: New Mexico		Latitude & longitude: 32.3788223, -104.2830124 NAD83	
	API Number: 30-015-10805		Section-Township-Range: SEC 22, T22S-R26E	
	Directions: On 285 South. Turn west on Hildago Rd. Go 2.1 miles. North on Stand Pipe Road go 0.3 miles, left (west) , and go 1.25 miles on La Cueva Trails (dirt road) to location. Well is at the top of hill.		Surface Location: F-22-22S-26E 2310 FNL 1980 FWL	
		Bottom Hole Location: F-22-22S-26E 2310 FNL 1980 FWL		

Formation	Depth		Casing Profile	Hole Size	Casing Specifications	Notes & Comments
	MD	TVD				
13 3/8" Casing @ 917'				17 1/2"	13" 3/8	
500 sks						
9 5/8th" Casing @ 2600'						
800 sks						
Hard TOC after 4th Squeeze @ 4549' - bond above						
Brushy Canyon		4760-4810'		7 7/8"	5 1/2"	Perfs: 4,760' to 4,802' (4 JSPF) and 4,803' to 4,810' (2 JSPF)
Hard TOC after 3rd Squeeze @ 4850'						Note: TOF @ 4803. 10' of chemically cut 2-7/8" EUE 8md L80 tubing & RBP-Packer Combo
35' cement on top of CIBP						
CIBP #2		5490'		7 7/8"	5 1/2"	Pressure tested casing and CIBP #1 to 500 psi for 5 minutes with no drop
35' cement on top of CIBP						
CIBP #1		8967'				Pressure tested casing and CIBP #1 to 500 psi for 5 minutes with no drop
TOF		9946'				
Top of Fish						
Canyon Perfs		10061-10091'		7 7/8"	5 1/2"	Fish left in hole. Bottom 1/2 permanent packer. Successfully fished top 1/2 TOF @ 9946'
Original PBTD @ 10,100'						
5 1/2" Casing @ 10500'						

Comments	Well recompleted in Brushy - Delaware pay (4,760' to 4,810').