

**UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

NM OIL CONS. COMMISSION
SUBMIT IN DUPLICATE*
(S...er in...str...ns on...reverse side)

Form approved,
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

NM-068043

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Harris Federal

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Buffalo Valley

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 26-15S-27E

12. COUNTY OR PARISH

Chaves

13. STATE

NM

1a. TYPE OF WELL:

OIL WELL ☐ GAS WELL ☒ DRY ☐

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

2. NAME OF OPERATOR

Read & Stevens, Inc.

3. ADDRESS OF OPERATOR

P.O. Box 1518, Roswell, NM 88201 U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface 990' FSL & 990' FEL

At top prod. interval reported below

At total depth

14. PERMIT NO.

ARTESIA OFFICE

15. DATE SPUDDED

3-28-81

16. DATE T.D. REACHED

4-26-81

17. DATE COMPL. (Ready to prod.)

9-9-81

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

3520.4' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

9033'

21. PLUG, BACK T.D., MD & TVD

8840'

22. IF MULTIPLE COMPL., HOW MANY*

-

23. INTERVALS DRILLED BY

ROTARY TOOLS

0-9033'

CABLE TOOLS

0

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

8728'-8732'

8738'-8746'

Atoka

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

FDC-GNL-GR, CNL-GR, DLL & MIN RXO

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48#	345'	17 1/2"	175sx HLC w/5# gilsonite, 1/4# flocele	
8 5/8"	24#	1700'	11"	200sx Class "C", 2% CaCl ₂	
4 1/2"	10.5#, 11.6#	9021'	7 7/8"	200sx Class "C", 2% CaCl ₂	
				1700sx Class "H" w/6% CFR-2, .4% Halad	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	8864' RKB	8660' RKB

31. PERFORATION RECORD (Interval, size and number)

8728'-8732' 4', 8 holes, 1/2"

8738'-8746' 8', 16 holes, 1/2"

Frac Stim w/ 28,000gal KCL water & 12,000gal CO₂; 53,500# 10-20sd & 10,000# 12-20 super props.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8728'-8732'	1000gal 7 1/2% morrow flo w/ 40,000 SCF-N ₂ & ballsealers
8738'-8746'	1000gal 7 1/2% morrow flo w/ 40,000 SCF-N ₂ & ballsealers

33. DATE FIRST PRODUCTION

8-16-81

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

Flowing

WELL STATUS (Producing or shut-in)

SI

DATE OF TEST

9-11-81

HOURS TESTED

24

CHOKE SIZE

32/62"

PROD'N. FOR TEST PERIOD

2

OIL—RBL.

2

GAS—MCF.

1999.3CAOF

WATER—BRL.

2

GAS-OIL RATIO

360

FLOW, TUBING PRESS.

100psi

CASING PRESSURE

0

CALCULATED 24-HOUR RATE

2

OIL—RBL.

2

GAS—MCF.

1999.3CAOF

WATER—BRL.

2

OIL GRAVITY-API (CORR)

0

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

SI. WOPL

TEST WITNESSED BY

Dan Lough

35. LIST OF ATTACHMENTS

Copy of logs & deviation survey

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

[Signature]

TITLE Drilling & Production Mgr DATE 9-17-81

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formations and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
	Surf.	1100	Clear frosty anhy.	Queen	923	
	1100	1300	Anhy, sd & sh.	San Andres	1660	
	1300	1700	Anhy & sh.	Glorietta	2697	
	1700	1800	Anhy & dolo.	Tubb	4376	
	1800	1900	Dolo.	Abo	5150	
	1900	2120	Dolo & anhy.	WFP	6320	
	2120	2740	Dolo & chert.	Cisco	7148	
	2740	2980	Limestone	Canyon	7547	
	2980	5160	Dolo, sd, lst.	Strawn	8098	
	5160	6200	Sh (red) & dolo.	Atoka	8500	
	6200	7900	Dolo, lst & sh.	Erod. Miss.	8806	
	7900	8740	Lst, sandstone, sh.	Chester	8926	
	8740	8780	Sandstone.			
	8780	8830	Lst & sh.			
	8830	TD	Sandstone, lst & sh.			