

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.5. LEASE DESIGNATION AND SERIAL NO.
NM 03900916. IF INDIAN, ALLOTTEE OR TRIBE NAME
NA7. UNIT AGREEMENT NAME
NA8. FARM OR LEASE NAME
Read & Stevens, Inc. Federal "Q"9. WELL NO.
110. FIELD AND POOL, OR WILDCAT
Haystack-Cisco11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 20, T-6-S, R-27-E12. COUNTY OR PARISH
Chaves13. STATE
New Mexico

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other **RECEIVED**
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other **DEC 30 1971**2. NAME OF OPERATOR
Shenandoah Oil Corporation3. ADDRESS OF OPERATOR
702 V-J Tower Bldg., Midland, Texas 79701 D. C. C. OFFICE

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

At surface **1980' FN & EL, Section 20**
At top prod. interval reported below **-**At total depth **-**14. PERMIT NO. **-** DATE ISSUED **-**15. DATE SPUDDED **8-12-71** 16. DATE T.D. REACHED **9-12-71** 17. DATE COMPL. (Ready-to-produce) **9-13-71** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* **3952.6 GR** 19. ELEV. CASINGHEAD **3952.6 GR**20. TOTAL DEPTH, MD & TVD **6600'** 21. PLUG, BACK T.D., MD & TVD **-** 22. IF MULTIPLE COMPL., HOW MANY* **-** 23. INTERVALS DRILLED BY **103-6600** **0-103'**24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* **-**25. WAS DIRECTIONAL SURVEY MADE
YES

26. TYPE ELECTRIC AND OTHER LOGS RUN

BHC Acoustilog

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		33'	17 1/2"	3 yds. readymix	-
8-5/8	24# 8 R6	1399'	11"	500 Howco	-

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
-	-	-	-	-	-	-	-

31. PERFORATION RECORD (Interval, size and number)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
-	RECEIVED
-	DEC 28 1971

33.* PRODUCTION

DATE FIRST PRODUCTION **-** PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) **-**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
-	-	-	-	-	-	-	-
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
-	-	-	-	-	-	-	-

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **-**TEST WITNESSED BY **-**35. LIST OF ATTACHMENTS **-**

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

SIGNED **-**TITLE **Dist. Supt.**DATE **Dec. 27, 1971**

*(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.), formation 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:			38. GEOLOGIC MARKERS			
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.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
DST #1, DST #2, and DST #3		attached-----				

DST #1 (5800' to 5950')

(CISCO)

Tool open 5" preflo on 5/8" bottom X 1/8" top choke
GTS in 10 min. 40#
ISIP 45"
1st opening 45" 5# on 1/2" choke
Maximum 120,000 decreasing to TSTM
2nd SIP 1½ hr.
Second opening 1 hr. TSTM
3rd close 2 hrs.
Recovering 521' HG & DCM
1,039' salt water
MFE chamber 1 CFG, 60 cc condensate, 1820 cc water, 600# pressure.
IHP 3037
FHP 3008
IF 226
ISI 2469
2nd flo 461
Second SI 2439
FF 745
FSI 2430
Chlorides 110,000 on recovery, 70,000 pit
Gravity: 45.4 at 60°

DST #2 (6420-6445') (MONTOKA)

13" preflo
Tool open 1 hr.
Fair blow decreasing throughout test
Tool closed 2 hrs.
1 hr. ISI
recovered 155' DM
MFE Chamber .4 CFG
150# pressure
60 CC DM
Chlorides 64,000
ISIP 556#
IF 104
FF 117
FSI 905

DST #3 6445' to 6600' (Montoya)

5" preflo
Good blow
1 hr. ISI
Tool open 1 hr.
GTS in 45 min.
Maximum 5# on 1/8" choke
Tool closed 2 hrs.
Recovered 284' VSO & GCM
2232' Salt Water
ISIP 2949
IF 569
FF 1306
FSI 2793
MFE Chamber 1.4 CFG
2020 cc water
1000# pressure
Laid Down DC's WOO

September 13, 1971 TD 6600'. Ran DP to 6400'. Circ. hole 3 hrs. waiting
on Halliburton. Spotted 35 SX cmt plug 6300-6400

35 sx cmt plug 5700-5800

35 sx cmt plug 4400-4500

50 sx cmt plug 2600-2750

50 sx cmt plug 1300-1450

Completed 6:30 PM 9-13-71. Take up BOP, clean cellar. Spotted 10 sx Cla:
cmt plug on top of 8-5/8" surface csg. Released rig 10:00 PM, 9-13-71.

FINAL REPORT

P&A

RECEIVED

DEC 28 1971

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO