

N. M. O. C. C.
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLI 3*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

NM 0310633

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

Shenandoah Federal &

9. WELL NO.

R4117 4-1 11
Haystack Cisco Gas

10. FIELD AND POOL, OR WILDCAT

Undesignated Cisco

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

21-T6S-R27E

12. COUNTY OR
PARISH

Chaves

13. STATE

New Mexico

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 ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

Shenandoah Oil Corporation

3. ADDRESS OF OPERATOR

1500 Commerce Building - Fort Worth, Texas

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

At surface 1980' FWL & 1280' FSL of Section 21-T6S-R27E

At top prod. interval reported below

At total depth

14. PERMIT NO.

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DATE ISSUED

O. C. C.

ARTESIA OFFICE

15. DATE SPUDDED

8-15-70

16. DATE T.D. REACHED

9-11-70

17. DATE COMPL. (Ready to prod.)

9-30-70

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

4193 RKB

19. ELEV. CASINGHEAD

4181

20. TOTAL DEPTH, MD & TVD

6535

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

6103

22. IF MULTIPLE COMPL.,
HOW MANY*
single completion23. INTERVALS
DRILLED BY
→

ROTARY TOOLS

0 - 6535

CABLE TOOLS

-

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

5846 - 5973' Cisco

25. WAS DIRECTIONAL
SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Sidewall Neutron, Sonic/GR, Microlaterolog/Microlog & Laterlog - 9

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
8 5/8"	24#	1415	11	450 sx TLW & 700 sx reg	none
4 1/2"	9.5 & 10.5#	6168	7 7/8	250 sx Class "C"	none

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
None				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	5706	5706

31. PERFORATION RECORD (Interval, size and number)

5846 - 50' w/16 holes

5868 - 74' w/24 holes

5880 - 96' w/64 holes

5939 - 44' w/20 holes

5973 - 77' w/16 holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5973 - 77'	250 gallons MCA
5846-50, 5868-74'	
5880-96, 5939-44	1000 gallons MCF

33. PRODUCTION

DATE FIRST PRODUCTION 9-21-70		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Si	
DATE OF TEST 9-25-70	HOURS TESTED 1	CHOKE SIZE 18/64	PROD'N. FOR TEST PERIOD →	OIL—BBL. 1	GAS—MCF. 137.41	WATER—BBL. -0-	GAS-OIL RATIO 137,410
FLOW. TUBING PRESS. 1903	CASING PRESSURE -0-	CALCULATED 24-HOUR RATE →	OIL—BBL. 24	GAS—MCF. 3297.9	WATER—BBL. -0-	OIL GRAVITY-API (CORR.) 61.4°	

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

Shut-in - negotiating for gas sales

TEST WITNESSED BY

Billy Gover

35. LIST OF ATTACHMENTS

4 Pt. AOF, logs as in Item 26, and Deviation Survey

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

SIGNED

R. L. Nabbefeld

TITLE

Manager, Primary Operations

DATE

October 13, 1970

*(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: 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				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Cisco	5846	5850	Gas and condensate	San Andres	1370	
Cisco	5864	5875	Gas and condensate	Abo	4600	
Cisco	5880	5896	Gas and condensate	3 Bros. Lima	5612	
Cisco	5939	5945	Gas and condensate	Cisco	5846	
Cisco	5974	5977	Gas and condensate	Miss.	6240	
				Detr.	6420	
DST #1 - 1995 - 2070' San Andres. 10 min. preflow, SI 30 min, TO 60 min & SI 60 min. Rec. 375' mud, IFP 92#, FFP 188#, ISIP 693#, FSIP 659#.						
DST #2 - 5880 - 5950' Cisco. 10 min preflow, SI 60 min, TO 60 min, SI 60 min, TO 90 min, gauged 8710 MCFD on 1/2" ck w/FTP 1375# on first flow period, gauged 9020 MCFD on 1/2" ck w/FTP 1425# on second flow period. Rec 30' condensate. IFP 1472#/10 min, ISIP 2390#/60 min, IFP 2054#/60 min, 2nd SIP 2390#/60 min, 2nd FP 2080#/90 min, FSIP 2390#/90 min. IHP & FHP 3125#. BHT 112° F.						
DST #3 - 5972 - 6065' Cisco. 10 min preflow, SI 45 min, TO 90 min, gauged 380 MCFD on 1/2" ck w/FTP 43#, SI 60 min, IHP 3230#, FP 3166#, ISIP 2338#, FFP 140#, FSIP 2080#, rec GCM.						
DST #4 - 6180 - 6220' Morrow. 15 min preflow, SI 45 min, TO 60 min, rec 60' mud, IHP 3338#, FHP 3274#, IFP 144#, ISIP 745#, FFP 144#, No FHP Recorded.						