

Form 9-830
(Rev. 7-70)

Well Log & Gas Analysis

going and attached information is complete and correct as determined from all available records

TITLE Manager, Primary Operations

DATE May 14, 1971

Instructions and Spaces for Additional Data on Reverse Side)

WATER - BBL.
130.56

27.2

GAS-OIL RATIO

OIL GRAVITY

TEST WITNESSED BY
Billy Gover

RECEIVED
MAY 17 1971
P. S. GEOLOGICAL &
ARTESIA, NEW MEX

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37. SUMMARY OF POROUS ZONES: POROSITY AND CONTENTS THEREOF; AN SHOW ALL IMPORTANT ZONES OF SL, TIME TOOL OPEN, FLOWING		Gas and	
DEPTH	FORMATION	TOP	BOTTOM
5600	Upper Cisco	5747	5 min p of Sl, s rate of w/Cl water FSIP char Mile
5670		5770	5 min p of Sl, s rate of w/Cl water FSIP char Mile
	DST #1	5610	5770
		5630	5810

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

M. M. O. C. C. COPY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

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 & 1980' FSL of Section 28-T6S-R27E

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED
3-20-7116. DATE T.D. REACHED
4-15-7117. DATE COMPL. (Ready to prod.)
5-7-7118. ELEVATIONS (DF, RKB, RT, GR, ETC.)*
DF 3944', KB 3945'19. ELEV. CASINGHEAD
3933'20. TOTAL DEPTH, MD & TVD
6224'21. PLUG, BACK T.D., MD & TVD
6057'22. IF MULTIPLE COMPL.,
HOW MANY*
--23. INTERVALS
DRILLED BY
--ROTARY TOOLS
0-6224CABLE TOOLS
--

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

5600' - 5747' Upper Cisco

26. TYPE ELECTRIC AND OTHER LOGS RUN

BHC Acoustilog

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	30'	17 1/2"	3 yards Readymix	none
8 5/8"	24	1376'	11"	550 m Trinity L., 200 m Cl.	none
2 7/8"	6.5	6124'	7 7/8"	C. cmt circ to surface 300 m Class C w/3% salt	none

27. WAS WELL CORED

No

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD
NONE					SIZE DEPTH SET (MD) PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

5600, 5622, 5624, 5662, 5664, 5684, 5703,
5705, 5716, 5727, 5732, 5741, 5743, 5745,
5747' w/1 jet shot each

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
As in Item 31	500 gal. Acetic Acid; 1500 gal. 15% spearhead acid & 3000 gal. 15% spearhead acid.

3.*

DATE FIRST PRODUCTION

4-22-71

PRODUCTION METHOD

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

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WELL STATUS (Producing or shut-in)	WATER—BBL.	GAS-OIL RATIO
4 & 5-5-71	5 (4 pt OFF)	15, 13, 11, & 9/64"	→	0-	69	shut-in	27.2	
DW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY		
-	750-1450	→	0-	ACF - 580	130.56			

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

LIST OF ATTACHMENTS

pt. AOF, BHC Acoustilog & Gas Analysis

TEST WITNESSED BY

Billy Cover

MAY 17 1971

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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

SIGNED R. L. Nabbsfeld

TITLE Manager, Primary Operations

DATE May 14, 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 agency. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. All attachments and/or State agency records are 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. Consult local State agency for not filed prior to the time this summary record is submitted, in accordance with Federal requirements. Locations on Federal or Indian land should be described in other spaces on this form and in any attachments.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in other spaces on this form and in any attachments.

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, or Federal office for specific instructions.

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 pertinent to such interval. 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 instructions for items 22 and 24 above.)

GEOLOGIC MARKERS

38.

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

DESCRIPTION, CONTENTS, ETC.

MEAS. DEPTH
TRUE VERT. DEPTH

NAME

TOP

FORMATION

BOTTOM

TOP

FORMATION

Upper Cisco

DST #1

Gas and water with trace condensate

5 min preflow, SI 45 min w/GTS after 2 min of SI, TO 2 hrs on 1/2" ck w/ FTP 77 psig & rate of 600 MCFD, SI 4 hrs, Rec. 576' hvly GCM w/CI 104,000 ppm (pit CI 119,000 ppm) & no water. IFP 195#, FFP 284#, ISIP 2290#/45 min, FSIP 2264#/4 hrs, IHP 3089#, FHP 3013#, sample chamber rec 240 cc hvly GCM & 1.26 cu ft gas @

5747

5770

5600

5670

Misrun

5770

5810

5610

5630

5 min preflow, SI 45 min w/GTS after 12 min SI, TO 1 3/4 hrs on 7/16" ck w/ FTP 70 psig & rate of 380 MCFD, SI 2 hrs. Rec 1190' GCM w/CI 9500 ppm (pit CI 72,000 ppm), sample chamber rec 600 cc water w/CI 95,000 ppm & 2.6 cu ft gas FFP 492#, ISIP 2212#/45 min, FSIP 2212#/2 hrs. 5 min preflow, SI 1 hr, TO 45 min, SI 1 1/2 hrs. IFP 1198#, FFP 2759#, ISIP 3026#/45 min, FSIP chamber rec. 0.1 cu ft gas & 2500 cc salt water @

6224

6150

San Andres

Glorietta

Tubb

Abo

Wolfcamp

Upper Cisco

175'

Cisco

Missourian

Pre Penn.

Montoya

1153

2320

3730

4428

5120

5596

5696

5842

6104

6138

480' IHP 3065#, FHP 3013#, IFP 311#,

Rec 165' mud, 315' WCM & 5070' salt water. 3026#/90 min, IHP 3673#, FHP 3572#, Sample 480#, CI 137,000 ppm.

DST #4