

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPL E*

(See other instructions on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

RECEIVED

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
P. O. Box 4534 - Odessa, Texas - 79760
O. C. C.
ARTESIA, OFFICE

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface Unit "B" - 330' FNL & 2,310' FEL, Sec. 30-18S-31E

At top prod. interval reported below

At total depth Same

14. PERMIT NO. _____ DATE ISSUED _____

15. DATE SPUDDED 5-14-78	16. DATE T.D. REACHED 5-21-78	17. DATE COMPL. (Ready to prod.) 5-28-78	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3,632' Gr.	19. ELEV. CASINGHEAD 3,634'
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20. TOTAL DEPTH, MD & TVD 3,850'	21. PLUG, BACK T.D., MD & TVD 3,834'	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY → Rotary	ROTARY TOOLS	CABLE TOOLS
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24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Penrose: 3,412' - 3,497' Grayburg: 3,750' - 3,788'	25. WAS DIRECTIONAL SURVEY MADE yes
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26. TYPE ELECTRIC AND OTHER LOGS RUN Cement Bond & Compensated Neutron Log	27. WAS WELL CORED No
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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#	747	11"	350 Sks.	none
5 1/2"	14#	3,836	7 7/8"	1,300 Sks.	none

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	3150	

31. PERFORATION RECORD (Interval, size and number)	32. ACID, SHOT, FRACTURE, ETC.
Penrose: 3434 - 3444 & 3462 - 3468	DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED
2 JSPF	3434 - 3468 800 Gal. 15% NE Acid & Frac w
	40,000 Gals. Gelled water & 40,000# sand.
Grayburg: 3778 - 3786 2 JSPF	3778 - 3788 300 Gals 15% NE Acid & Frac
	25,000# Gals. Gelled water & 25,000# Sand.

33.*		PRODUCTION	
DATE FIRST PRODUCTION	PRODUCTION METHOD (<i>Flowing, gas lift, pumping—size and type of pump</i>)	WELL STATUS (<i>Producing or shut-in</i>)	
5-28-78	Pumping - 2 x 1 1/2 - 16	Prod.	

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL-BBL.	GAS-MCF.	WATER-BBL.	GAS-OIL RATIO
6-27-78	24		→	65	49	135	750
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.) Used for fuel	TEST WITNESSED BY Dale Boland
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35. LIST OF ATTACHMENTS

Two (2) each - Cement Bond Log & Compensated Neutron logs

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

SIGNED C. W. Deery TITLE Division Manager DATE 6-29-78

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

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				GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	NEAR. DEPTH	TRUE VERT. DEPTH
Penrose	3,412'	3,497'	Oil & Water	Top Salt	370	
Grayburg	3,750'	3,788'	Oil & Water	Bottom Salt	1,830	
				Top Yates	2,510	
				Top Queens	3,182	
				Top Penrose	3,742	
				Top Grayburg	3,747	



KENNETH D. REYNOLDS - ARTESIA
LESLIE K. EVERTSON - ROSWELL

WEK DRILLING CO., INC. - OIL WELL DRILLING CONTRACTORS

P. O. Box 2055 ROSWELL, NEW MEXICO 88201
TELEPHONES: ARTESIA 505/746-6757
ROSWELL 505/623-5070

May 26, 1978

Shenandoah Oil Corp.
Box 65
Loco Hills, New Mexico 88255

Re: Sugart "D" #13

Gentlemen:

The following is a Deviation Survey of the above well:

468' - 1°	2707' - 3/4°
930' - 3/4°	3202' - 3/4°
1213' - 3/4°	3700' - 3/4°
1707' - 1°	3850' - 3/4° T.D.
2207' - 1°	

Yours very truly,

WEK DRILLING CO., INC.

Arnold Newkirk

Arnold Newkirk

STATE OF NEW MEXICO)
COUNTY OF CHAVES)

The foregoing was acknowledged before me this 26th day
of May, 1978 by Arnold Newkirk.

My Commission Expires:

April 9, 1980

Melinda Rea Hunter
Notary Public

RECEIVED
JUL 3 1978
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO