

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

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

5. LEASE DESIGNATION AND SERIAL NO.

NM 12210

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Gulf Federal

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT
Shugart--Y, SR, Qn, Gr11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

Sec. 20 - T18S - R31E

12. COUNTY OR
PARISH

Eddy

13. STATE

New Mexico

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 - 76102

O. C. C.

ARTESIA, OFFICE

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

At surface

Unit "O"

990' FSL and 1650' FFL Sec. 20-18S-31E

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

JAN 26 1976

15. DATE SPUDDED

1-1-76

16. DATE T.D. REACHED

1-7-76

17. DATE COMPL. (Ready to prod.)

1-16-76

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

3,634

19. ELEV. CASINGHEAD

3,637

20. TOTAL DEPTH, MD & TVD

3,640

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

3,583

22. IF MULTIPLE COMPL.,

HOW MANY*

23. INTERVALS

DRILLED BY

ROTARY TOOLS

Rotary

CABLE TOOLS

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

Queens

3230-3262'

Penrose

3474-3530'

25. WAS DIRECTIONAL
SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

Compensated Neutron

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" O.D.	24# J-55	749	11-1/4"	300 sks (200 Lite; 100 Cl.C)	None
5-1/2" O.D.*	14# J-55	3,640	7-7/8"	375 sks Class "H"	None
* D.V. Tool	14# J-55	2,014	7-7/8"	825 sks from D.V. Tool to surface	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8	3,540	None

31. PERFORATION RECORD (Interval, size and number)

Queens-- 3,232' - 3,242' 2 JSPF - 20 shots

Penrose-- 3,488' - 3,500' 2 JSPF - 24 shots

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3,232 - 3,242	500 Gals. N.E. acid; 20,000 gals. gelled brine & 25,000# 20/40 & 5,000# 10/20 sand
3,488 - 3,500	500 gals. N.E. acid; 20,000 gals. gelled brine; 25,000# 20/40 & 5,000# 10/20 sand

33.*

PRODUCTION

DATE FIRST PRODUCTION 1-19-76 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping - 2 x 1-1/2 x 12' insert WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
1-20-76	24	--	→	40	20	50 (load)	500-1

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
--	--	→	--	--	--	36.1

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

Phillips Petroleum Company

35. LIST OF ATTACHMENTS

Log and Deviation Survey

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

SIGNED

C. W. Downey, Jr.

TITLE

Operations Supt.

DATE Jan. 21, 1976

*(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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Salt	800	1,845		Yates & Seven Rivers	2,300	+1,334
Yates and Seven Rivers	2,300	2,500		Queens	3,230	+ 404
Queens	3,230	3,262		Penrose	3,474	+ 160
Penrose	3,474	3,530				