Form 9-330
(Rev. 5-63)

N. M. O. C. C. COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE (See instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: LC029390 (a)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: -

7. UNIT AGREEMENT NAME: -

8. FARM OR LEASE NAME: Federal Keohane etal "B"

9. WELL NO.: 3

10. FIELD AND POOL, OR WILDCAT: Shugart

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Section 28, T-18S, R-31E

12. COUNTY OR PARISH: Eddy

13. STATE: New Mexico

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [ ] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other Re-entry

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2. NAME OF OPERATOR: Shenandoah Oil Corporation

3. ADDRESS OF OPERATOR: 1500 Commerce Building, Fort Worth, Texas 76102

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: 1980 FNL & 1980 FWL, Sec. 28, F185, R-31E Eddy County, N. M.
At top prod. interval reported below
At total depth

14. PERMIT NO.: -
DATE ISSUED: -

15. DATE SPUDDED: -
16. DATE T.D. REACHED: -
17. DATE COMPL. (*Ready to prod.*): -
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*: 3621 GL
19. ELEV. CASINGHEAD: 3621

20. TOTAL DEPTH, MD & TVD: 3650
21. PLUG, BACK T.D., MD & TVD: 3600 P.B.
22. IF MULTIPLE COMPL., HOW MANY*: -
23. INTERVALS DRILLED BY: →
ROTARY TOOLS: -
CABLE TOOLS: -

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: Queen - 3280-88 3364-08 3292-98 Penrose - 3558-70

25. WAS DIRECTIONAL SURVEY MADE: no

26. TYPE ELECTRIC AND OTHER LOGS RUN: no logs run by Shenandoah Oil Corporation

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	259	12 1/4	150 sacks	none
4 1/2	95	3646	7 7/8	565 (DV tool @ 793)	none

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8	3300	-

31. PERFORATION RECORD (*Interval, size and number*)

3280-88 2 JSPF (1/2") 16 holes
3292-98 " " 12 "
3304-08 " " 8 "
3558-70 " " 24 "

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3280-3308	250 gals. 15% N.E. acid, 30,000 gal. gelled water & 30,000 Lss. 20/40 sand
3558-3570	250 gals. 15% one acid, 30,000 gal gelled water & 30,000 lbs. 20/40 s

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
12/20/72	pumping - 2" x 1 1/2" 8' insert pump	producing - test tank

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12/25/72	24	-		1	TSTM	8	-

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
-	-		-	-		34

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

TEST WITNESSED BY

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U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

35. LIST OF ATTACHMENTS: Form C102

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

SIGNED [signature] TITLE Manager, Secondary Recovery DATE 1/5/73

*(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.
Red Bed	0	260	
Red Bed & Anhyd.		745	
Salt & Anhyd.		1953	
Anhy & Gyp.		2772	
Anhy & Lime		2938	
Lime		3650	

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH

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MEXICO OIL CONSERVATION COMMIS[illegible] RECEIVED

WELL LOCATION AND ACREAGE DEDICATIO[illegible]AT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

JAN 11 1973

Operator	Lease	Well No.
SHENANDOAH OIL CORPORATION	FEDERAL-KEOHANE "B" (et al)	3

U. S. GEOLOGICAL SURVEY ARTESIA, OFFICE

Unit Letter	Section	Township	Range	County
F	28	18S	31E	Eddy

Actual Footage Location of Well: 1,980 feet from the West line and 1,980 feet from the North line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3,621	Queen	Shugart	40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

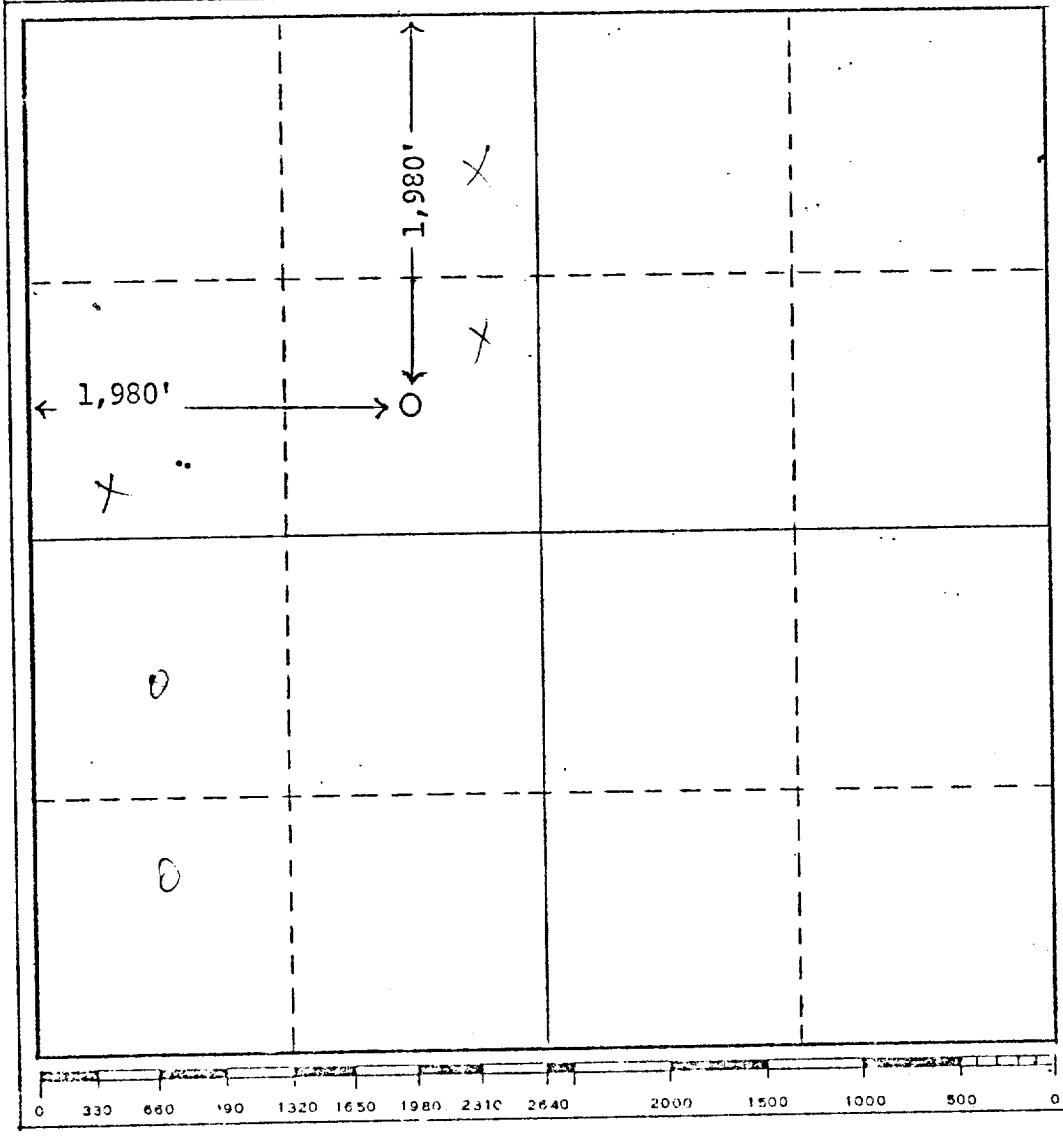
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name: Neil F. Toler

Position: Manager/Secondary Rec.

Company: Shenandoah Oil Corp.

Date: December 14, 1972

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

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(See oroginal)

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Certificate No.