Form 9-330
(Rev. 5-63)

U. S. G. S. COPY — copy USF

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE* (See other 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. LC-067910

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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

b. TYPE OF COMPLETION: NEW WELL [XX] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other

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JUN 21 1974
O. C. C.
ARTESIA, OFFICE

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME M. Robinson-~~Jackson~~ B Tr. 2

2. NAME OF OPERATOR Shenandoah Oil Corporation

9. WELL NO. ~~E.M. Robinson "B" Tr. 2~~, No. 1

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

10. FIELD AND POOL, OR WILDCAT Grayburg-Jackson

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface Unit "L"
660' FWL & 1980' FSL Section 35-17S-29E
XXXXXXXXXXXXXXXXXXXX
XXXXXXXX

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Section 35-17S-29E

14. PERMIT NO. | **DATE ISSUED**

12. COUNTY OR PARISH Eddy | **13. STATE** New Mexico

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
5-12-74	5-23-74	6-8-74	3538' Gr.	3539'

20. TOTAL DEPTH, ~~MD & TVD~~	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
3280' K.B.	3,277' K.B.		→	Rotary	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Grayburg: 2534-39' & 2700-08'; 2566-70' & 2736-42'
San Andres: 3108-10' 3153-55' 3174-78' 3196-98'; 3119-23' 3164-66' 3184-86' 3205-10'

25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN Sidewall Neutron-Gamma; Micro-Laterolog; and Dual-Laterolog

27. WAS WELL CORED Yes

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# H-40	413' K.B.	11"	200 Sks - Class C	None
5-1/2" O.D.	14# & 15#	3279' K.B.	7-7/8"	220 Sks - Class H	None
2-3/8" Tbg	4.70	3220'			

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (*Interval, size and number*)
SEE ATTACHMENT "A"

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	SEE ATTACHMENT "B"

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33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
6-11-74	Pumping - 2x1-1/2x10 insert	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6-13-74	24 hrs.		→	83	50.0	35-load wtr	602.4

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
—	—	→				38.0

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*) Venting--will be sold to Phillips Petroleum, when test is complete and contract signed

TEST WITNESSED BY

35. LIST OF ATTACHMENTS Logs; deviation survey; Attachments "A" and "B"; Core Lab Report

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 Superintendent DATE June 17, 1974

*(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.
Sand Loco Hills	2,525	2,571	
Sand Metex	2,655	2,751	
Sand Premier	2,830	2,902	
Dolomite San Andres	2,902	3,280	
Sand Lovington	3,035	3,102	
Dolomite Jackson	3,102	3,280 T.D.	
Cored--Dolomite	3,095	3,280 T.D.	

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Base Salt	870	+ 2,668
Loco Hills	2,525	+ 1,013
Metex	2,655	+ 883
Premier	2,830	+ 708
San Andres	2,902	+ 636

U.S. GOVERNMENT PRINTING OFFICE: 1963—O-683636
837-497

ATTACHMENT "A"
United States Department of the Interior
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31. Perforation Record (Interval, size and number):

Grayburg:	2534-39'	10 holes
	2566-70'	8 holes
	2700-08'	16 holes
	2736-42'	12 holes
San Andres:	3108-10'	4 holes
	3119-23'	8 holes
	3153-55'	4 holes
	3164-66'	4 holes
	3174-78'	8 holes
	3184-86'	4 holes
	3196-98'	4 holes
	3205-10'	10 holes

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ATTACHMENT "B"
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32. Acid, Shot, Fracture, Cement Squeeze, Etc.

Depth Interval	Amount and Kind of Material Used
S.A. Perforations 3108 - 3210' 46 holes	4,500 gals. 28% acid w/40 ball sealers.
Metex Perforations 2700-08 2736-42	500 gals. 15% N.E. acid -- 20,000 gals. gelled brine water & 20,000# 20/40 sand & 4,000# 10/20 sd.
Loco Hills Perforations 2534-39 2566-70	500 gals. 15% N.E. acid -- 20,000 gals. gelled brine water and 20,000# 20/40 sand and 4,000# 10/20 sand.

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1974
GEOLOGICAL SURVEY
NEW MEXICO

ENNETH D. REYNOLDS - ARTESIA
ESLIE K. EVERTSON - ROSWELL

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

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

May 23, 1974

Shenandoah Oil Corporation
P. O. Box 2189
Hobbs, N. M.

Re: Robinson B-1

Gentlemen:

The following is a Deviation Survey of the above well:

415' - ¼
909' - ½
1407' - 1
1829' - 2
2319' - 1-3/4
2482' - 1-3/4
2900' - 1½
3277' - 1½

Yours very truly,

WEK DRILLING CO., INC.

Kenneth D. Reynolds

KDR:ln

STATE OF NEW MEXICO)
)
COUNTY OF CHAVES)

The foregoing was acknowledged before me this 23rd day of May, 1974, by Kenneth D. Reynolds.

Notary Public

My Commission Expires:

8/10/77

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CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

CORE ANALYSIS RESULTS

Company SHENANDOAH OIL CORPORATION Formation SAN ANDRES File 623-3608
Well T.M. ROBINSON "B" TR. 2 #1 Core Type DIAMOND 4 1/4" Date Report 5-19-74
Field ROBINSON JACKSON Drilling Fluid WATER BASE MUD Analysts BOONE
County EDDY State N. MEXICO Elev. 3538' GL Location 1980' FSL 660' FWL SEC 35-17-29

Lithological Abbreviations

SAND-SD, SHALE-SH, LIME-LM, DOLOMITE-DOL, CHERT-CH, GYPSUM-GYP, ANHYDRITE-ANHY, CONGLOMERATE-CONG, FOSSILIFEROUS-FOSS, SANDY-SDY, SHALY-SHY, LIMY-LMY, FINE-FN, MEDIUM-MED, COARSE-CSE, CRYSTALLINE-XLN, GRAIN-GRN, GRANULAR-GRNL, BROWN-BRN, GRAY-GY, VUGGY-VGY, FRACTURED-FRAC, LAMINATION-LAM, STYLOLITIC-STY, SLIGHTLY-SL/, VERY-V/, WITH-W/

WHOLE-CORE ANALYSIS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS		POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		SAMPLE DESCRIPTION AND REMARKS
					OIL	TOTAL WATER	
1	3105.0-07.0	0.9	0.6	6.1	17.4	18.0	DOL,ANHY
	3107.0-12.0						DOL,ANHY
2	3112.0-13.5	<0.1	<0.1	1.4	0.0	74.8	DOL,ANHY
3	13.5-15.0	<0.1	<0.1	1.6	0.0	71.6	DOL,ANHY
4	15.0-16.5	0.4	0.3	5.7	12.4	15.7	DOL,ANHY
5	16.5-18.0	<0.1	<0.1	3.0	7.0	54.5	DOL,ANHY
6	18.0-19.5	0.9	0.4	5.4	3.7	69.8	DOL,ANHY
7	19.5-21.0	<0.1	<0.1	4.4	8.2	69.2	DOL,ANHY
8	21.0-22.3	<0.1	<0.1	3.8	6.9	60.4	DOL,ANHY
9	22.3-24.0	<0.1	<0.1	1.3	0.0	72.3	DOL,ANHY
10	24.0-25.0	<0.1	<0.1	2.7	0.0	77.3	DOL,ANHY
11	3125.0-26.5	<0.1	<0.1	2.6	0.0	78.0	DOL,ANHY
	3126.5-46.5						DOL,ANHY
12	3146.5-48.0	<0.1	<0.1	3.1	9.7	61.7	DOL,ANHY
13	48.0-49.5	0.2	0.1	3.6	14.8	28.5	DOL,ANHY
14	49.5-51.0	0.3	0.2	4.6	9.0	38.5	DOL,ANHY
15	51.0-52.7	0.6	0.4	6.0	6.9	43.2	DOL,ANHY
16	52.7-54.0	0.1	0.1	4.8	5.0	40.8	DOL,ANHY
17	54.0-55.5	<0.1	<0.1	3.3	6.0	57.5	DOL,ANHY
18	3155.5-57.0	<0.1	<0.1	1.6	0.0	65.0	DOL,ANHY
	3157.0-62.0						DOL,ANHY
19	3162.0-63.5	1.0	0.9	6.2	12.2	30.0	DOL,ANHY
20	3163.5-64.5	<0.1	<0.1	4.8	5.0	72.2	DOL,ANHY
	3164.5-68.0						DOL,ANHY
21	3168.0-69.0	0.6	0.5	6.3	8.4	37.0	DOL,ANHY
	3169.0-72.0						DOL,ANHY
22	3172.0-73.5	1.4	1.2	7.8	11.4	29.5	DOL,ANHY
23	3173.5-75.0	0.7	0.7	6.3	22.3	50.7	DOL,ANHY
	3175.0-82.0						DOL,ANHY
24	3182.0-83.5	0.4	0.4	7.1	2.4	65.2	DOL,ANHY
25	3183.5-84.5	0.8	0.7	7.8	4.8	51.3	DOL,ANHY
	3184.5-94.0						DOL,ANHY
26	3194.0-95.5	0.5	0.4	5.7	8.4	31.8	DOL,ANHY
27	3195.5-97.0	<0.1	<0.1	3.8	10.1	63.0	DOL,ANHY
	3197.0-03.5						DOL,ANHY
28	3203.5-05.0	1.6	1.1	8.8	9.1	34.5	DOL,ANHY
29	05.0-06.5	1.2	1.2	8.3	7.1	40.7	DOL,ANHY
30	3206.5-08.0	0.6	0.6	8.4	7.1	54.3	DOL,ANHY

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