

N. M. O. C. C. COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

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

5. LEASE DESIGNATION AND SERIAL NO.

NM-2938

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FROM OR LEASE NAME

Penco Federal

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Shugart-Queen

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

Sec. 23-T18S-R31E

12. COUNTY OR
PARISH

Eddy

13. STATE

N.M.

1a. TYPE OF WELL:

OIL WELL ☐ GAS WELL ☐ DRY ☐ Other ☒ WIW

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐

2. NAME OF OPERATOR

Atlantic Richfield Company

3. ADDRESS OF OPERATOR

P.O. Box 1978, Roswell, New Mexico 88201

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

At surface 100' FNL & 100' FWL (Unit Letter D)

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

5-12-69

15. DATE SPUDDED

5-19-69

16. DATE T.D. REACHED

5-28-69

17. DATE COMPL. (Ready to prod.)

6-1-69

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

3694' DF (L&S)

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

3485'

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

3451'

22. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BY

ROTARY TOOLS

0-3485'

CABLE TOOLS

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

3382-3394' Queen (WIW)

25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

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#	793.53	12-1/4	400 sx Class C Cmt	None
4-1/2	10.5 & 11.6	3484.01	7-7/8	300 sx Class C Cmt	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8	3361.94	3361.94

31. PERFORATION RECORD (Interval, size and number)

3382-3394 w/12 1/2" jet shots
(1 shot/ft)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3382-3394	400 gal 15% LSTHE HCL, 20,000# 20/40 ad & 15000 gal slick water

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
						WIW	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
			→				
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.)

TEST WITNESSED BY

D. C. C.

35. LIST OF ATTACHMENTS

GR-N Log & Deviation Survey

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

SIGNED A. D. Kloxin

TITLE Dist Prod & Drlg Supt

DATE 6-4-69

*(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: "Sack 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:				38. GEOLOGIC MARKERS		
FORMATION		TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				Anhydrite Salt, Salado Yates Queen	696 860 2234 3355	

DONNELLY DRILLING CO., Inc.

OIL WELL DRILLING CONTRACTORS

P. O. BOX 433

ARTESIA, NEW MEXICO

May 29, 1969

RECEIVED
JUN 11 1969
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

Atlantic Richfield Company
P. O. Box 1978
Roswell, New Mexico 88201

Attention: Mr. O. D. Bretches

Ranco Federal No. 2 Well

100' FWL, 100' FWL, Sec. 23, T18S, R31E, Eddy County, New Mexico

<u>Deviation Record</u>		
<u>Test No.</u>	<u>Depth</u>	<u>Degree Off</u>
1	489'	1 1/2°
2	750'	3 3/4°
3	796'	1 1/4°
4	1350'	1°
5	1790'	1°
6	2230'	1 1/2°
7	2488'	1 1/4°
8	2876'	3 3/4°
9	3140'	1°
10	3365'	1 1/2°
11	3485'	Miss run

The undersigned hereby certifies that he is an authorized representative of the drilling contractor, Donnelly Drilling Co., Inc., who drilled the above described well and that he conducted deviation tests and obtained the results set out above.

DONNELLY DRILLING CO., INC.

By T. H. Donnelly
T. H. Donnelly, President

Subscribed and sworn to before me this 29th day of May 1969.

LOUIS C. BAKER, NOTARY PUBLIC
MY COMMISSION EXPIRES APRIL 2, 1979

Louis C. Baker
Notary Public

RECEIVED

JUN 12 1969

D. C. C.
ARTESIA, OFFICE