

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTOIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

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SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease State ☐ Fee ☒
5. State Oil & Gas Lease No.
7. Unit Agreement Name
8. Farm or Lease Name Seven Rivers Queen Unit
9. Well No. 61
10. Field and Pool, or Wildcat Eunice 7R Qn South

1. TYPE OF WELL

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

2. TYPE OF COMPLETION

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

3. Name of Operator ARCO Oil and Gas Company

Division of Atlantic Richfield Company

4. Address of Operator

P. O. Box 1710, Hobbs, New Mexico 88240

5. Location of Well

UNIT LETTER F LOCATED 2440 FEET FROM THE North LINE AND 2435 FEET FROM

THE West LINE OF SEC. 34 TWP. 22S RGE. 36E NMPM 12. County Lea

15. Date Spudded 2/17/83 16. Date T.D. Reached 2/26/83 17. Date Compl. (Ready to Prod.) 4/9/83 18. Elevations (DF, RKB, RT, GR, etc.) 3496.7' GR 19. Elev. Casinghead

20. Total Depth 3925' 21. Plug Back T.D. 3841' 22. If Multiple Compl., How Many 23. Intervals Drilled By Rotary Tools 0-3925' Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name

3676-3817' 7 Rivers Queen

25. Was Directional Survey Made

Yes

26. Type Electric and Other Logs Run

GR-CNL/LDT w/caliper, GR-EPT & GR-DLL, CBL, temp survey

27. Was Well Cored

No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
14"	Cond Pipe	30'	17½"	2 yds Redi-mix	
8-5/8" OD	24# K-55	304'	11"	200 sx	
5½" OD	15.5# K-55	3925'	7-7/8"	950 sx	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8" OD	3723'	-

30. TUBING RECORD

31. Perforation Record (Interval, size and number)

3676, 79, 82, 85, 3700, 16, 19, 21, 23, 39, 41, 43, 47, 52, 55, 58, 60, 64, 66, 76, 84, 87, 91, 94, 3801, 06, 14, 3817' = 28 .48" holes

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
3860-3901'	2000 gals 15% NEFF acid, 6500 gals. 30 PPG x-linked gel w/12,000# sd. Sqzd w/150 sx Cl H cmt
3676-3817'	6000 gal 15% HCLNEFE. Frac w/20,190

33. PRODUCTION gal Polaris 40 x-linked gel carrying 51,660

Date First Production 3/21/83		Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping 2" x 1½" x 12' x 18' rod				Well Status (Prod. or Shut-in) Prod.		sd
Date of Test 5/4/83	Hours Tested 24	Choke Size	Prod'n. For Test Period →	Oil - Bbl. 50	Gas - MCF 40	Water - Bbl. 199	Gas - Oil Ratio 800:1	
Flow Tubing Press. -	Casing Pressure -	Calculated 24- Hour Rate →	Oil - Bbl. 50	Gas - MCF 40	Water - Bbl. 199	Oil Gravity - API (Corr.) 38:10		

34. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

Test Witnessed By

Morgan Wolfe

35. List of Attachments

Logs as listed in item 26 above, Inclination Report & Directional Survey

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED

TITLE Drlg Engr.

DATE 5/9/83

INSTRUCTIONS

This form is to be filled with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filled in quadruplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
D. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates <u>3181'</u>	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers <u>3385'</u>	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen <u>3705'</u>	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qizte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinberry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from 3676' to 3817' No. 4, from _____ to _____

No. 2, from _____ to _____ No. 5, from _____ to _____

No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet. None encountered

No. 2, from _____ to _____ feet. _____

No. 3, from _____ to _____ feet. _____

No. 4, from _____ to _____ feet. _____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	29	29	Surface				
29	236	207	Red Bed & Surf				
236	1460	1224	Red Bed				
1460	1770	310	Red Bed & Anhy				
1770	2050	280	Anhy				
2050	2095	45	Salt				
2095	2145	50	Salt, Potash				
2145	2271	126	Red Bed, Salt, Potash				
2271	2523	252	Salt & Anhy				
2523	2570	47	Anhy				
2570	2775	205	Salt & Anhy				
2775	2891	116	Salt				
2891	3017	126	Dolo, Salt				
3017	3295	278	Dolo, Lime				
3295	3419	124	Dolo				
3419	3552	133	Dolo & Lime				
3552	3925	373	Dolo				

RECEIVED
MAY 12 1983
O.C.D.
MCARD OFFICE

DESERT DRILLING, INC.
P.O. Box 146
Hobbs, New Mexico 88240

WELL NAME AND NUMBER Arco - Seven Rivers Queen Unit # 61

INCLINATION RECORD

Depth	Deviation
304	3/4°
690	3/4°
1100	1 3/4°
1193	1 1/4°
1318	1 3/4°
1411	1°
1610	1 3/4°
1798	1 3/4°
2018	2 1/2°
2113	2°
2290	2 1/2°
2513	1 3/4°
2708	2 1/4°
2958	3 3/4°
2988	2 3/4°
3105	3°
3552	6 1/2°
3626	7 1/2°
3642	7 1/2°

Signature

Joe W. Miller

State of New Mexico
County of Lea

SWORN AND SUBSCRIBED TO BEFORE ME
BY Joe W. Miller

This 1 Day of March
19 83.

Law McDonald
Notary Public

RECEIVED
MAY 12 1983
C.C.D.
HOBBS Office

DESERT DRILLING, INC.
P.O. Box 146
Hobbs, New Mexico 88240

WELL NAME AND NUMBER Arco - Seven Rivers Queen Unit # 61

INCLINATION RECORD

<u>Depth</u>	<u>Deviation</u>
3672	
3682	
3688	7 $\frac{1}{4}$ °
3703	7°
3735	6 3/4°
3766	6 3/4°
3797	6 $\frac{1}{2}$ °
3860	6 $\frac{1}{4}$ °
3925	6°

Signature Joe W. Miller

State of New Mexico
County of Lea

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BY Joe W. Miller

This 1 Day of March
19 83.

Lee McDaniel
Notary Public

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