

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES DESIRED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No.
NM 44508

7. Unit Agreement Name
NA

8. Farm or Lease Name
C. R. Leeson Ranch

9. Well No.
ARCO Leeson #2

10. Field and Pool, or Wildcat
W. Lindrith-Gallup/Dak

1a. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

b. TYPE OF COMPLETION
NEW WELL ☒ REPAIR OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. REVEN. ☐ OTHER ☐

2. Name of Operator
ARCO Oil and Gas Company, Division of Atlantic Richfield Co.

3. Address of Operator
P. O. Box 1610, Midland, TX 79702

4. Location of Well
UNIT LETTER E LOCATED 1855 FEET FROM THE North LINE AND 515 FEET FROM

THE West LINE OF SEC. 27 TWP. 25N SEC. 3W NMPM

13. Date Spudded 11-8-85	16. Date T.D. Reached 11-28-85	17. Date Compl. (Ready to Prod.) 1-21-86	18. Elevations (DF, RAB, RT, GR, etc.) 7303' GL	19. Elev. Casinghead 7303'
20. Total Depth 8170'	21. Plug Back T.D. 8155'	22. If Multiple Compl., How Many NA	23. Intervals Drilled By Rotary Tools 0-8170'	Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name
Dakota "C" 8102'-8125' Gallup 7014'-7217'
Dakota "A" 7958'-7972'

25. Type Electric and Other Logs Run
GR-CBL; GR-CNL-FDC; GR-DIL/SFL

26. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8	36#	550	12-1/4	320 sx	0
5-1/2	23#	8170	8-3/4	2406 sx 3-stage	0

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
None				

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-7/8	7753'	

31. Perforation Record (Interval, size and number)

Interval	Size	Number
Dakota "C" 8102-8125'	.39"	24
Dakota "A" 7958-7972'	.39"	14
L. Gallup 7190-7217'	.39"	28
L. Gallup 7239-7296'	.39"	58
U. Gallup 7014-7136'	.39"	36

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
8102-8125	2500 gal 15% HCL & 75,000 gal Gel & 117,000#
7958-7972	2000 gal 15% HCL & 60,000 gal Gel & 91,000#
7190-7296	3000 gal 15% HCL & 100,000 gal Gel & 161,500#
7014-7136	3500 gal 15% HCL & 85,000 gal Gel & 123,500#

33. PRODUCTION

Date First Production
1-21-86

Production Method (Flowing, gas lift, pumping - Size and type pump)
Pumping 2" x 1-1/2" x 16'

Date of Test
2-19-86

Hours Tested
24

Choke Size

Prod'n. For Test Period
Oil - Bbl. 145 Gas - MCF 225 Water - Bbl. 1551

Flow Tubing Press.
125

Casing Pressure

Calculated 24-Hour Rate
Oil - Bbl. 145 Gas - MCF 225 Water - Bbl. 1551

Oil Gravity - API (Corr.)
2.6

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

35. List of Attachments
Log as listed in Item #26.

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
J. A. ... 4-15-86

RECEIVED
APR 19 1986
OIL CON. DIV. 2.6

To Be Released By
Bobby Watchman

INSTRUCTIONS

This form is to be filed 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 filed in quintuplicate except on state land, where six copies are required. See Rule 1103.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

T. Anhy _____ T. Canyon _____
T. Salt _____ T. Strawn _____
D. Salt _____ T. Aloka _____
T. Yates _____ T. Miss _____
T. 7 Rivers _____ T. Devonian _____
T. Queen _____ T. Silurian _____
T. Grayburg _____ T. Montoya _____
T. San Andres _____ T. Simpson _____
T. Glorieta _____ T. McKee _____
T. Paddock _____ T. Ellenburger _____
T. Elinebry _____ T. Gr. Wash _____
T. Tubb _____ T. Granite _____
T. Drinkard _____ T. Delaware Sand _____
T. Abo _____ T. Bone Springs _____
T. Wolfcamp _____ T. _____
T. Penn. _____ T. _____
T. Cisco (Bough C) _____ T. _____

Northwestern New Mexico

T. Ojo Alamo _____ 3374'
T. Kirtland-Fruitland _____ 3466'
T. Pictured Cliffs _____ 3676'
T. Cliff House _____ 5368'
T. Menefee _____ 5490'
T. Point Lookout _____ 5844'
T. Mancos _____ 6009'
T. Gallup _____ 6897'
Base Greenhorn _____ 7914'
T. Dakota _____ 7950'
T. Morrison _____ ---
T. Todilto _____
T. Entrada _____
T. Wingate _____
T. Chinle _____
T. Permian _____
T. Penn. "A" _____
T. Penn. "B" _____
T. Penn. "C" _____
T. Penn. "D" _____
T. Leadville _____
T. Madison _____
T. Elbert _____
T. McCracken _____
T. Ignacio Qtzite _____
T. Granite _____
T. _____
T. _____
T. _____
T. _____
T. _____
T. _____
T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from Gallup 7014' to 7296'
No. 2, from Dakota "A" 7958' to 7972'
No. 3, from Dakota "C" 8102' to 8125'
No. 4, from _____ to _____
No. 5, 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 N/A to _____ feet
No. 2, from N/A to _____ feet
No. 3, from N/A to _____ feet
No. 4, from N/A to _____ feet

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Important Formation	From	To	Thickness in Feet	Formation
3676'	3782'	106'	Pictured Cliffs				
5368'	6009'	641'	Mesaverde				
6897'	7638'	741'	Gallup				
7950'	8134'	184'	Dakota				

RECEIVED
APR 16 1986
OIL CON. DIV.
DIST. 3