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Form C-105
Revised 10-78

NEW MEXICO OIL CONSERVATION COMMISSION WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease	State ☒ Fee ☐
5b. State Oil & Gas Lease No.	B-8814-12

RECEIVED

1a. TYPE OF WELL	OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐
b. TYPE OF COMPLETION	NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

6. Unit Agreement Name	
7. Farm or Lease Name	Empire Abo Unit "K"

2. Name of Operator	ARCO Oil and Gas Company Division of Atlantic Richfield Company
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8. Well No.	142
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3. Address of Operator	Box 1710, Hobbs, New Mexico 88240
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10. Field and Pool, or Wildcat	Empire Abo
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4. Location of Well	UNIT LETTER <u>K</u> LOCATED <u>1700</u> FEET FROM THE <u>South</u> LINE AND <u>1400</u> FEET FROM <u>North</u>
	THE <u>West</u> LINE OF SEC. <u>2</u> TWP. <u>18S</u> RGE. <u>27E</u>

11. County	Eddy
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15. Date Spudded	7/31/79
16. Date T.D. Reached	8/19/79
17. Date Compl. (Ready to Prod.)	10/9/79
18. Elevations (DF, RKB, RT, GR, etc.)	3523.4' GR

19. Elev. Casinghead	
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20. Total Depth	6150'
21. Plug Back T.D.	6081'
22. If Multiple Compl., How Many	
23. Intervals Drilled By	Rotary Tools 0-6150'
Cable Tools	

25. Was Directional Survey Made	Yes
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24. Producing Interval(s), of this completion - Top, Bottom, Name	6027-6081' Abo Reef
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27. Was Well Cored	No
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26. Type Electric and Other Logs Run	GR-DLL w/RXO, GR-CNL-FDC, BHC-VDL, CBL, Gyro/multi-shot, GR Corr log
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28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10-3/4"	40.5# K-55	953'	12 1/4"	400 sx	
7" OD	23# K-55	6027'	8-3/4"	1275 sx	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8"	OD 5899'	5893'

31. Perforation Record (Interval, size and number)	6027-6081' Open drainhole
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED -
None	

33. PRODUCTION	
Date First Production	8/25/79
Production Method (Flowing, gas lift, pumping - Size and type pump)	Pumping - hydraulic
Well Status (Prod. or Shut-in)	Prod
Date of Test	10/14/79
Hours Tested	24
Choke Size	
Prod'n. Per Test Period	200
Oil - Bbl.	200
Gas - MCF	135
Water - Bbl.	0
Gas - Oil Ratio	670:1
Flow Tubing Press.	3200# HP
Casing Pressure	Pkr
Calculated 24-Hour Rate	200
Oil - Bbl.	200
Gas - MCF	135
Water - Bbl.	0
Oil Gravity - API (Corr.)	44°

34. Disposition of Gas (Sold, used for fuel, vented, etc.)	Sold
Test Witnessed By	N. H. Truitt

35. List of Attachments	Logs as listed in Item 26 above, DST, Gyro/multi-shot survey & Inclination Report
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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	<i>[Signature]</i>
TITLE	Dist. Drlg. Supt.
DATE	10/15/79

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission 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 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

T. Anhy _____
T. Salt _____
B. Salt _____
T. Yates _____
T. 7 Rivers _____
T. Queen _____
T. Grayburg _____
T. San Andres _____
T. Glorieta _____
T. Paddock _____
T. Blinbry _____
T. Tubb _____
T. Drinkard _____
T. Abo _____ 5344'
T. Wolfcamp _____
T. Penn. _____
T. Cisco (Bough C) _____

T. Canyon _____
T. Strawn _____
T. Atoka _____
T. Miss _____
T. Devonian _____
T. Silurian _____
T. Montoya _____
T. Simpson _____
T. McKee _____
T. Ellenburger _____
T. Gr. Wash _____
T. Granite _____
T. Delaware Sand _____
T. Bone Springs _____
T. _____
T. _____
T. _____

Northwestern New Mexico

T. Ojo Alamo _____
T. Kirtland-Fruitland _____
T. Pictured Cliffs _____
T. Cliff House _____
T. Menefee _____
T. Point Lookout _____
T. Mancos _____
T. Gallup _____
Base Greenhorn _____
T. Dakota _____
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 Qtzte _____
T. Granite _____
T. _____
T. _____
T. _____
T. _____
T. _____
T. _____
T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from 6027 to 6081'
No. 2, from _____ to _____
No. 3, from _____ to _____
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 _____ 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	953	953	Surface, Red Bed				
953	4528	3575	Anhydrite				
4528	5130	602	Anhydrite & Lime				
5130	5200	70	Anhydrite				
5200	5310	110	Anhydrite & Lime				
5310	6150	840	Lime				