Form C-105
Revised 10-1-78

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease: State [ ] Fee [X]
5. State Oil & Gas Lease No.:

1a. TYPE OF WELL: OIL WELL [ ] GAS WELL [ ] DRY [X] OTHER
b. TYPE OF COMPLETION: NEW WELL [ ] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] OTHER P&A

7. Unit Agreement Name:
8. Farm or Lease Name: Langley Esmond
9. Well No.: 1
10. Field and Pool, or Wildcat: Langley Devonian Gas

2. Name of Operator: ARCO Oil and Gas Company
Division of Atlantic Richfield Company
3. Address of Operator: P. O. Box 1710, Hobbs, New Mexico 88240
4. Location of Well: UNIT LETTER B LOCATED 660 FEET FROM THE North LINE AND 2310 FEET FROM THE East LINE OF SEC. 33 TWP. 22S RGE. 36E NMPM
12. County: Lea

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
9/16/81	2/5/82	Dry Hole	3490.7' GR	

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
15,865'			→	0-15865'	

24. Producing Interval(s), of this completion — Top, Bottom, Name: None
25. Was Directional Survey Made: Yes
26. Type Electric and Other Logs Run: GR DLL, CNL-FDC, Sonic, Dipmeter, Temp Survey, GR-CBL
27. Was Well Cored: No

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
30"	Cond Pipe	35'	36"	3 yds Redi-mix	
13-3/8"	54.5# K-55	1388'	17½"	1950 sx	
9-5/8"	36# S-80, K-55	6295'	12¼"	4500 sx	1960'
7" OD	29,26,23#	15,835'	8-3/4"	3555 sx	4008'

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET

31. Perforation Record (Interval, size and number): Dry hole

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
15,472-787'	5000 gals 15% NEFE acid & 5000 gals Series 72 type 20 HCL acid
	(cont'd on attached sheet)

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
Dry Hole		P&A

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio

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

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 [signature] TITLE Drlg. Engr. DATE 9/16/82

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 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	9,238'	T. Kirtland-Fruitland		T. Penn. "C"	
B. Salt		T. Atoka	10,282'	T. Pictured Cliffs		T. Penn. "D"	
T. Yates		T. Miss	11,718'	T. Cliff House		T. Leadville	
T. 7 Rivers		T. Devonian	12,479'	T. Menefee		T. Madison	
T. Queen		T. Silurian	13,259'	T. Point Lookout		T. Elbert	
T. Grayburg	4008'	T. Montoya	14,255'	T. Mancos		T. McCracken	
T. San Andres	4656'	T. Simpson	14,638'	T. Gallup		T. Ignacio Qtzte	
T. Glorieta	5934'	T. McKee	14,876'	Base Greenhorn		T. Granite	
T. Paddock		T. Ellenburger	15,432'	T. Dakota		T.	
T. Blinebry		T. Gr. Wash		T. Morrison		T.	
T. Tubb	7249'	T. Granite		T. Todilto		T.	
T. Drinkard		T. Delaware Sand		T. Entrada		T.	
T. Abo	7938'	T. Bone Springs		T. Wingate		T.	
T. Wolfcamp	8298'	T.	Fusselman 13,918'	T. Chinle		T.	
T. Penn.		T.	Morrow 10,928'	T. Permian		T.	
T Cisco (Bough C)		T.		T. Penn. "A"		T.	

OIL OR GAS SANDS OR ZONES

No. 1, from None Productive to

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
0	1388	1388	Surface
1388	1490	102	Anhy & Salt
1490	1800	310	Salt
1800	3732	1932	Anhy & Salt
3732	4245	513	Anhy & Lime
4245	5300	1055	Anhy
5300	6406	1106	Lime & Shale
6406	7365	959	Lime
7365	9452	2087	Lime, Dolo, Shale
9452	11002	1550	Lime, Shale
11002	11089	87	Shale, Lime Sand
11089	11699	610	Lime, Shale
11,699	12643	944	Lime, Shale, Chert
12643	12798	155	Dolo
12798	13031	233	Dolo, Lime
13031	13835	804	Lime
13835	13914	79	Lime, Dolo
13914	14024	110	Chert, Colo
14024	14266	242	Dolo, Lime
14266	14466	200	Lime, Dolo, Chert
14466	14600	134	Dolo, Lime
14600	14800	200	Lime, Sand, Shale
14,800	15,117	317	Lime, Shale, Sand, Dolo
15,117	15348	231	Dolo, Sand, Shale
15348	15366	18	Lime, Sand, Shale
15366	15412	46	Dolo
15412	15448	36	Dolo, Lime, Shale, Sand
15448	15836	388	Dolo

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