

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(See other In-
structions on
reverse side)

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐
b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ RECOMPLETION ☒
2. NAME OF OPERATOR: Amoco Production Company
3. ADDRESS AND TELEPHONE NO.: P.O. Box 800, Denver, Colorado 80201 (303) 830-4988
4. LOCATION OF WELL: (Report location clearly and in accordance with any State requirements)*
At surface: 1540' FSL 940' FEL
At top prod. interval reported below
At total depth

5. LEASE DESIGNATION AND SERIAL NO.

SF-077112

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Lackey 1E

9. API WELL NO.

3004524911

10. FIELD AND POOL, OR WILDCAT

Otero Chacra

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

Section 23

Township 28N Range 9W

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

14. ELEVATIONS (DT, RKB, RE, GR, ETC.)*

6130' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

7000'

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

6955'

22. IF MULTIPLE COMPL., HOW MANY*

3

23. INTERVALS DRILLED BY

ROTARY TOOLS

YES

CABLE TOOLS

NO

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

Chacra 3366-3374'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

CBL

27. WAS WELL CORIED

No

CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9.625"	36#	252'	12.25"	250 sx Class B	
7.000"	23#	2999'	8.75"	450 sx 65/35 poz, 150 sx C1	B
4.5"	10.5#	6998'	6.25"	400 sx 65/35 poz, 150 sx C1	B

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	PACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD	DEPTH SET (MD)	PACKER SET (MD)
4.5"	2814'	6998'	550 SX		SIZE	6760'	

31. PERFORATION RECORD (Interval, size and number)

See attachment

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

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

See attachment

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)				WELL STATUS (Producing or shut-in)	
5/2/96		Flowing				SI; W/O 1st delivery	
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD. FOR TEST PERIOD	OIL - BBL.	GAS - MCF	WATER - BBL.	GAS-OIL RATIO
5/8/96	24	48/64		0	1300	0	
FLOW TUBING PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL.	GAS - MCF	WATER - BBL.	OIL GRAVITY - API (CORR.)	
	75		0	1300	0		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

To be sold

35. LIST OF ATTACHMENTS

Perf & frac page

Note: Mesaverde is aka Warren A LS 2A; Dakota is the Lackey 1E

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

SIGNED

Patty Haelele

TITLE

Staff Assistant

ACCEPTED FOR RECORD
MAY 30 1996
FARMINGTON DISTRICT OFFICE
BY 3/17/96

* (See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Chacra	3358'	

Lackey 1E

30-045-24911

Sec. 23-T28N-R9W

MIRUSU 4/25/96. ND WH. NU BOP. Tag fill at 6935'. Set RBP at 5320', test plug with packer, test casing to 1500 psi, held ok. Run CBL from 2750-5300'. Shoot squeeze holes at 4545' with 2 shots, .340" diameter, 3.125" gun, 120 deg phasing, 12.5 gms. Set cement retainer at 4490'. Squeeze at 4545' with 150 sx Class B 65/35 poz, 13.0 ppg and 50 sx Class B neat, 15.6 ppg, sting out of retainer and spot 1 sx cement on top of retainer. Run CBL from 3140-4390'.

Shoot squeeze holes at 3370' with 2 shots to squeeze and isolate Chacra zone, used 100 sx Class B neat, 15.6 ppg. Tag cement at 3283', drill out to 3392', test casing to 1000 psi, held ok. Tag lower plug at 4410'. Drill out cement and retainer 4410-4554', load and retest squeeze to 1500 psi, held ok, circulate hole clean with kcl. Retest casing squeeze and casing to 1500 psi, held ok.

Limited entry perforations in Mesaverde at: 4388', 4395', 4558', 4666', 4674', 4681', 4694', 4697', 4725', 4730', 4755', 4764', 4772', 4808', 4830', 4840' with 1 JSPF, 16 total shots, .340" diameter, 3.125" gun, 120 deg phasing, 12.5 gms. Acidize 4388-4840' with 12 bbls FE HCL acid, max pressure 3000 psi, max rate 4.5 bpm. Frac 4388-4840' with 92,745 lbs 16/30 sand; 1,088,238 scf, 70% quality, max pressure 2551 psi, max rate 46 bpm. Set RBP at 3500', spot 1 sx sand on plug, test to 1000 psi, held ok.

Perforated Chacra from 3366-3374' with 2 JSPF, 16 total shots, .340" diameter, 3.125" gun, 120 deg phasing, 12.5 gms. Frac 3366-3374' with 46,183 lbs 16/30 sand, 580,025 scf, 70% quality, max pressure 2108 psi, max rate 30 bpm. Flow testing Chacra zone. Clean out fill. Retrieve RBP. Flow test Mesaverde and Chacra. Cleanout fill 5192-5320'. Mill over RBP, latch onto and release. Open well and flow test all zones to clean up and clear wellbore. Land tubing at 6760. ND BOP. NU WH. Flow test. RDMOSU 5/13/96.

Note: This well has two well names in the NMOCD system. The Dakota & Chacra: Lackey 1E; the Mesaverde: Warren A LS 2A