

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

RECEIVED

(See other instructions on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>		5 AUG 10 PM 1:53	
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		070 FARMINGTON, NM	
2. NAME OF OPERATOR Amoco Production Company		Attention: Gail M. Jefferson	
3. ADDRESS AND TELEPHONE NO. P.O. Box 800, Denver, Colorado 80201		(303) 830-6157	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1025' FNL 1655' FWL UNIT C At top prod. interval reported below At total depth			
14. PERMIT NO.		DATE ISSUED	
15. DATE SPUDDED 03/12/80		16. DATE T.D. REACHED 03/22/80	
17. DATE COMPL. (Ready to prod.) 08/03/95		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5835' GL	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 6703'	
21. PLUG, BACK T.D., MD & TVD 6689		22. IF MULTIPLE COMPL., HOW MANY* 3	
23. INTERVALS DRILLED BY		ROTARY TOOLS YES	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* Otero Chacra 3005'-3145'		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN CBL, CCL and GR		27. WAS WELL CORED	

28. 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
9-5/8"	32.3#	228'	13-3/4"	190 cubic feet	
4-1/2"	10.5# & 11.6#	6703'	8 3/4"	480 cubic feet	

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)
					2 3/8"	6560

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 08 03 1995	PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing
WELL STATUS (Producing or shut-in) Shut-in	
DATE OF TEST 08 03 1995	HOURS TESTED 10
CHOKE SIZE 3/4"	PROD'N FOR TEST PERIOD 0
GAS - BBL. 261 mcf	WATER - BBL. 0
FLOW TUBING PRESS 18#	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.) To Be Sold	
TEST WITNESSES	

ACCEPTED FOR RECORD

35. LIST OF ATTACHMENTS	
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records	
SIGNED Gail M. Jefferson	TITLE Sr. Admin Staff Asst
FARMINGTON DISTRICT OFFICE	
DATE AUG 15 1995	

*(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, line tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Pictured Cliffs	2036'	
				Chacra	3010'	
				Mesaverde	3680'	
				Point Lookout	4346'	
				Gallup	5323'	
				Graneros	6360'	
				Dakota	6478'	

38. GEOLOGIC MARKERS

Lackey B LS #13M: Recompletion

MIRUSU 6/30/95. SICP = 360 psig, SITP = 260 psig

Run 1.90" gauge ring to 4497', tight. Run 1.5" gauge ring to 6539'. Set CW plug at 4495'. NU BOP. TOOH w/ tbg.

TIH w/ tbg x packer and RBP. Set RBP at 4654'. Set pkr at 4622'. Test RBP to 500#. Held. Load tbg. Test tbg to 500 psig. Held.. Load annulus. Test csg to 500#. Test failed. Able to pump in .5 BPM at 500#.

Isolate leak in casing from 3543-3671'. Run GR/CCL/CBL from 12'-4650'. Excellent bond from 3620-4650'. No bond from 2200'-3670'. Moderate bond from 2200' to TOC at 750'.

Perforated from 3650-51' w/ 2 JSPF, .380" EHD. Total 2 shots fired. Establish circulation behind pipe.

TIH w/ pakcer. Set pkr at 3226'. Mix and pump 275 sxs Class B w/ 5% calseal, .25# flowseal, .2% superCBL. Tail in w/ 75 sxs Class B w/ 5% calseal, .25# flowseal, and 3% Halad 322 fluid loss additive. Displace cement to 3344'. Hesitation squeeze. Final squeeze pressure 1460 psig.

SI bradenhead pressure 2 psig. 0 psig on tbg and casing. Test squeeze down tbg to 500#. Held. Release pkr. TOOH w/ tbg x pkr. TIH w/ tbg x bit and scraper. Drill cement from 3300-3680'. Test casing to 500#. Held. TOOH w/ tbg, bit, and scraper.

Run CBL. Good bond from 2515'-3650'.

Perforate 720-721' w/ 2 JSPF, 0.380" EHD. Total 2 shots fired. Establish circulation behind pipe.

TIH x set RBP at 820'. Mix and pump 200 sxs Class B neat after die test. Circulate 3 bbls good cement out at surface.

DO cement x test casing to 500#. Held. TIH x release RBP. TOOH w/ RBP.

Perforate MV at 4518', 4497', 4487', 4475', 4468', 4440', 4425', 4416', 4408', 4401', 4398', 4396', 4394', 4390', 4125', and 4088' w/ 1 JSPF, 0.340" EHD. Total 16 shots fired.

Fracture stimulated MV w/ 15,288 gal 70 quality N2 foam and 88,184# 16/30 sand. SI for 4 hours. Flow back MV on 1/4" choke for 8 hours, 1/2" choke for 15 hours, 3/4" choke for 6 hours, and open 2" line to pit for 4 hours.

Flow back MV 3/4" choke for 8 hours. FTP = 10 psig, FCP = 290 psig. Flowtest 145 MCFD and 21 BCPD. TOOH.

SICP = 580 psig. Set RBP at 3245'. TIH w/ 4 1/2" pkr. Set pkr at 3166'. Pressure test RBP to 2000#. Held. Pressure test annulus to 500#. Held. Dump 5 gal sand on RBP. TOOH w/ tbg x pkr.

Perforate CK at 3143', 3139', 3134', 3131', 3129', 3118', 3115', 3035', 3031', and 3028' using 1 JSPF, 0.340" EHD. Total 10 shots fired. TIH w/ frac string x pkr. Set pkr at 2713'.

Establish rate at 7 BPM and 2500 psig. Ball off perfs at 4000# w/ 20 7/8" ball sealers. Release pkr. TIH x knock balls of perfs. TOOH. Set pkr at 2714'.

Fracture stimulate CK w/ 16,464 gal 70 quality N2 foam and 49,435# 16/30 sand. SI 4 hours.

Flow back CK through 1/4" choke for 16 hours. Final flowing tbg pressure = 200 psig.

Flow back CK through 1/2" choke for 24 hours. Final FTP = 45 psig.

Flow back CK through 3/4" choke for 10 hours. Final FTP = 18 psig. Flow rate 261 MCFD with no liquid production.

Flow through open 2" line to pit.

Release pkr. TOOH x lay down frac string. PU x TIH w/ tbg. Tag sand at 3217'. Clean out to RBP at 3245'. Release RBP x TOOH to 3190'. Flow overnight through open 2" line to pit. FTP = 19 psig. Finish TOOH w/ tbg x RBP.

TIH w/ tbg. Tag sand at 4594'. TOOH x land tbg at 4293'. SI 1 hr. SITP = 320 psig, SICP = 320 psig.

Flow test commingled CK/MV through 3/4" line for 24 hours. Initial FTP = 50 psig, FCP = 270 psig. Final FTP = 43 psig, Final FCP = 210 psig. Recovered 21 bbl condensate. Flowrate 624 MCFD and 21 BCPD.

TIH. Tag sand at 4577'. CO sand. Land tbg at 4293'. SI 3 hours. SITP = 400 psig, SICP = 420 psig.

Flow test commingled CK/MV.

7/28/95: 3/4" choke: FTP = 40 psig, FCP = 200 psig Recovered 14 bbl condensate.

7/29/95: 3/4" choke: FTP = 40 psig, FCP = 175 psig Recovered 25 bbl condensate.

7/30/95: 3/4" choke: FTP = 35 psig, FCP = 165 psig Recovered 18 bbl condensate

SI for 14 hours. SITP = 485 psig, SICP = 500 psig.

TIH. Tag sand at 4567'. Clean out w/ N2 to 4654'. Release RBP. TOOH. No RBP retrieved. Flow overnight through 2" line. FTP = 17 psig.

TIH. Catch RBP at 425'. TOOH. TIH w/ expendable check. Tag sand at 6654'. Clean out 6654'-6675' w/ N2. Sweep hole w/ foam. Land tbg at 6552'. Pump ball out of check.

Flow test commingled CK/MV/DK through 3/4" choke. FTP = 50#, FCP = 200#. Bleed down. Set packer at 31'. Repair leaking casing valve. Release and lay down packer. Land tbg at 6560'. ND BOP. NU wellhead. SI well for 6 hours.

Flow test commingled CK/MV/DK through 3/4" choke for 24 hours. FTP = 60 psig, FCP = 220 psig. Flowrate 870 MCFD x 21 BCPD.

RDMOSU. Release rig 8/3/95.