

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(See other instructions 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 ☒ DRY ☐ OTHER ☐		5. LEASE DESIGNATION AND SERIAL NO. SF-077111	
b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☒ Recompletion		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Amoco Production Company		7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. P.O. Box 800, Denver, Colorado 80201		8. FARM OR LEASE NAME, WELL NO. Storey C #2M	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1890 FNL 655 FWL UNIT E		9. API WELL NO. 3004525322	
At top prod. interval reported below		10. FIELD AND POOL, OR WILDCAT Otero Chacra	
At total depth		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Section 35 Township 28N Range 9W	
14. PERMIT NO.		DATE ISSUED	
15. DATE SPUDDED 10/19/82		16. DATE T.D. REACHED 10/29/82	
17. DATE COMPL. (Ready to prod.) 08/03/95		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6790' KB	
19. ELEV. CASINGHEAD 6778' GR		20. TOTAL DEPTH, MD & TVD 7527' KB	
21. PLUG, BACK T.D., MD & TVD 7503' KB		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)* Otero Chacra 3,895'-4,034'		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN CBL and Pulse Echo Logs		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"	36#	356'	12 1/4"	(See Reverse)	
7"	23#	3460'	8 3/4"		

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4-1/2"	3306' KB	See Reverse			2.375"	7424'	

31. PERFORATION RECORD (Interval, size and number) See Attached				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED See Attached			

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 2 hrs.	CHOKE SIZE 1/2"	PROD'N FOR TEST PERIOD	OIL - BBL 0	GAS - MCF 850 mcf	WATER - BBL 0	GAS-OIL RATIO
FLOW TUBING PRESS 120#	CASING PRESSURE 280#	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 WITNESSED BY 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. 8/8/95

FARMINGTON DISTRICT OFFICE

236 cf Cl-B + 2% CaCl₂ + 1/4# sx flocele
1st: 137 cf 65/35 lite Poz + 2% CaCl₂ +
1/4#/cf Perlite; 224 cf Cl-B W/2%
CaCl₂ + 1/4#/sx flocele

2nd: 501 cf 65/35 lite Poz + 2% CaCl₂
+ 1/4#/cf Perlite.

4-1/2" liner cementing detail
552 cf Hal-lite & 177 cf Cl-B neat

liner top cement squeeze
177 cf Cl-B W/2% CaCl₂ + 6-1/4#/sx Gllsonite

STOREY C 2M OTERO CHACRA FORMATION

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
Ojo Alamo	1960'	2055'	Sand, Shale, fresh water	Greenhorn	7182'	
Kirtland	2055'	2670'	Shale			
Fruitland	2670'	2937'	Sand, shale, coal, gas, water			
Pictured Cliffs	2937'	3010'	Sand, shale, gas			
Lewis	3010'	3894'	Shale			
Chacra	3894'	4563'	Sand, shale, gas			
Cliffhouse	4563'	4594'	Sand, shale, gas, water			
Menefee	4594'	5257'	Sand, shale, coal, gas, water			
Pt. Lookout	5257'	5400'	Sand, shale, gas			
Mancos	5400'	6398'	Shale			
Gallup	6398'	7182'	Sand, shale, silt			
Graneros	7242'	7284'	Shale			
Dakota	7284'	TD	Sand, shale, gas			
*Note: All depths expressed in terms of KB.						

U.S. GOVERNMENT PRINTING OFFICE: 1901-574-776

Storey C 2M (formerly Storey C 2E) - Recompletion

MIRUSU 7/12/95

SICP 380#, SITP 260#, bled off pressure. TOH w/117 stands of tbg. TIH w/RBP and set @ 7156'. Loaded hole and pressure tested to 1000#. Held ok. Spotted with 1 sack of sand. TOH w/tbg.

RU wireline and ran CBL from 3300-7118' and pulse echo log from 3690-7118'.

Start to pressure test to 300#. Unable to get past 2100# pumping in @ 1/2 bpm @ 1900#. TIH w/pkr and found csg leak between 4530-4520'. TOH w/pkr. TIH w/tbg and spotted 50 sxs Class B cmt.

SITP 900#. TOH w/tbg and TIH w/bit and scraper tagged up @ 4243'. Drilled out @ 4570'. Pressure tested to 100#. Held ok. Circ hole clean w/H2O and TOH w/bit and tbg.

Perf'd:

4935', 4980', 5076', 5124', 5189', 5197', 5213', 5,218', 5,231', 5,245', 5,259', 5,261', 5,263', 5,268', 5,339', 5,371', 5,394' w/1 jspf, .340 inch diameter, 120 degree phasing, 12 gms, total 18 shots fired.

Frac'd Mesaverde with 502 sxs 16/30, 70% quality sand, 105,413#, 699,943 scf. Avg. pressure 3125#, Max 3920#, ISIP 2970#, 5 min 961#, 10 min 948#, 15 min 950#. Estimated bradenhead pressure 35#.

Tst'd from 4935-5394 recovered 501 bbls water.

TIH and set RBP @ 4130' and spotted 1.5 sacks sand on plug and pressure tested to 1000#. Ok.

Perf'd:

3895', 3903', 3917', 3919', 4008', 4009', 4011', 4021', 4025', 4030' w/1 jspf, .340 inch diameter, 120 degree phasing, 12 grams, total 10 shots fired.

Frac'd Chacra w/194 sxs 16/30, 70% sand, 155,100#, Avg. inj pressure 2562#, ISIP 2150#, Max rate 25.0 bpm.

SITP 950# on 1/4 " choke for 8 hrs then to 1/2" choke. Could not latch onto plug the first time, TOH, TIH w/short catch retainer head, latch onto plug, TOH.

Perf'd:

3894-3898', 3916-3920', 4005-4012', 4018-4025', 4028-4031', 4934-4938', 4978-4982', 5075-5078', 5123-5125', 5188-5190', 5192-5197', 5210-5221', 5235-5238', 5244-5246', 5258-5270', 5304-5307', 5337-5340', 5368-5371', 5392-5395', w/2jspf, .340 inch diameter, 120 degree phasing, 12 grams, total 204 shots fired.

TIH w/tbg and landed @ 5384' to flow both zones.

Tst'd from 3894-5394, Recovered 17 bbls water on 32/64" choke.

TIH to retrieve RBP @ 7156' and ran into 8' more of fill. Cleaned out from 7148-7156'. Latch onto plug and TOH.

TIH tag @ 7492', pull tbg up to 7410' and flowed. TIH, tag @ 7486', reland tbg @ 7410' and flowed well. Tag @ 7486', cleanout w/N2 to 7518'.

Land tbg @ 7424. RDMOSU 8/3/95.