

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

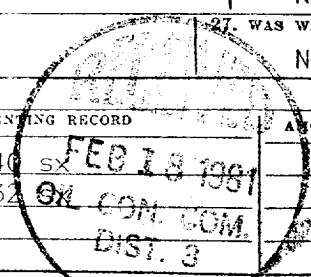
SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____				5. LEASE DESIGNATION AND SERIAL NO. Jicarilla Contract 155	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____				6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY				7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 501 Airport Dr., Farmington, New Mexico 87401				8. FARM OR LEASE NAME Jicarilla Contract 155	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1775' FSL x 1840 FEL At top prod. interval reported below Same At total depth Same				9. WELL NO. 19E	
14. PERMIT NO. _____ DATE ISSUED _____				10. FIELD AND POOL, OR WILDCAT Otero Chacra	
15. DATE SPUDDED 9-18-80				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA NW/4 SE/4 Section 29, T26N, R5W	
16. DATE T.D. REACHED 10-3-80				12. COUNTY OR PARISH Rio Arriba	
17. DATE COMPL. (Ready to prod.) 12-1-80				13. STATE NM	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6443' GL				19. ELEV. CASINGHEAD	
20. TOTAL DEPTH, MD & TVD 7345'		21. PLUG, BACK T.D., MD & TVD 7305'		22. IF MULTIPLE COMPL., HOW MANY* 2	
23. INTERVALS DRILLED BY 0-TD				24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 3680-3712, 3776-3790 Chacra	
25. WAS DIRECTIONAL SURVEY MADE No.				26. TYPE ELECTRIC AND OTHER LOGS RUN	
27. WAS WELL CORED No.				28. CASING RECORD (Report all strings set in well)	
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)	
9 5/8"		32.3#		315'	
7"		23.0#		7334'	
HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
12 1/4"		240 SX		240 SX	
8 3/4"		1532		1532	
29. LINER RECORD		30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE
					2 1/16"
					DEPTH SET (MD)
					3778'
					PACKER SET (MD)
					6926'
31. PERFORATION RECORD (Interval, size and number) 3680-3712, 3776-3790 with 2 spf, a total of 92, .5" holes				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
				DEPTH INTERVAL (MD)	
				3680-3790	
				AMOUNT AND KIND OF MATERIAL USED	
				90,000 gal of frac fluid,	
				1,384, 416 scf of N2,	
				162,080	
				#20-40 sand	
33.* PRODUCTION					
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing			WELL STATUS (Producing or shut-in) Shut-In
DATE OF TEST	HOURS TESTED	CHOSE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.
1-6-81	3 hrs	.75	→		132
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.
76 PSIG	474 PSIG	→		1054	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold				TEST WITNESSED BY	
35. LIST OF ATTACHMENTS					



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

Original Signed By

SIGNED E. E. SVOBODA

TITLE Dist. Admin. Supvr.

DATE 2/9/81

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

FARMINGTON DISTRICT

NMOCC

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2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 501 Airport Drive, Farmington, N.M. 87401		8. FARM OR LEASE NAME Jicarilla Contract 155	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1775 FSL x 1840 FEL At top prod. interval reported below same At total depth same		9. WELL NO. 19E	
14. PERMIT NO.		DATE ISSUED	
15. DATE SPUDDED 9-18-80		16. DATE T.D. REACHED 10-3-80	
17. DATE COMPL. (Ready to prod.) 12-1-80		18. ELEVATIONS (DF, RBE, RT, GR, ETC.)* 6443' GL	
19. ELEV. CASINGHEAD		10. FIELD AND POOL, OR WILDCAT Basin Dakota	
20. TOTAL DEPTH, MD & TVD 7345'		21. PLUG BACK T.D., MD & TVD 7305'	
22. IF MULTIPLE COMPL., HOW MANY* 2		23. INTERVALS DRILLED BY 0-TD	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 7118-7140, 7150-7158, 7164-7172 6986-7002, 7011-7024 Dakota		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN SP:GR:DIL: Compensated Neutron: Compensated Density: caliper		27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
9 5/8"	32.3#	315'	12 1/2"
7"	23.0#	7334'	8 3/4"
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2 3/8"	7155'	6926'	
31. PERFORATION RECORD (Interval, size and number) 6986-7002, 7011-7024 with 2 spf, a total of 58, .5" holes 7118-7140, 7150-7158, 7164-7172 with 2 spf, a total of 76, .4" holes			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
6986-7172		131,000 gal of frac fluid @ 457,000 # 20-40 sand	
33.* PRODUCTION			
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing	
WELL STATUS (Producing or shut-in) Shut-in			
DATE OF TEST 1-13-81	HOURS TESTED 3 hrs.	CHOKE SIZE .75"	PROD'N. FOR TEST PERIOD OIL—BBL. 399
FLOW. TUBING PRESS. 258 PSIG	CASING PRESSURE	CALCULATED 24-HOUR RATE 3190	GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold			
TEST WITNESSED BY			
35. LIST OF ATTACHMENTS			
35. I hereby certify that the attached information is complete and correct as determined from all available records.			
SIGNED a. E. SVOBODA		TITLE Dist. Admin. Supvr.	
DATE 2/9/81		DATE FEB 17 1981	

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

NMOCC

FARMINGTON DISTRICT

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 13: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Pictured Cliffs	2760	2870	Shaly SS			
Chacra	3630	3713	Shaly SS			
Cliffhouse	4466	4490	Shaly SS			
Moncfoo	4490	5000	Coal, shale x shaly SS			
Point Lookout	5000	5184	Shaly SS x Shale			
Gallup	6150	6440	Laminated shale x shaly SS			
Dakota	6984	7190	Shaly SS x Shale			