

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions 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 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 810' FNL x 1700' FWL At top prod. interval reported below Same At total depth Same		9. WELL NO. 20E	
14. PERMIT NO.		13. STATE NM	
DATE ISSUED		10. FIELD AND POOL, OR WILDCAT Otero Chacra	
15. DATE SPUDDED 8-31-80		11. SEC., T., R., M. OR BLOCK AND SURVEY OR AREA NE/4 NW/4 Section 29 Twp 26N, R5W	
16. DATE T.D. REACHED 9-20-80		12. COUNTY OR PARISH Rio Arriba	
17. DATE COMPL. (Ready to prod.) 11-14-80		13. STATE NM	
18. ELEVATIONS (DF, RSB, RT, GR, ETC.)* 6687' GL		19. ELEV. CASINGHEAD	
20. TOTAL DEPTH, MD & TVD 7520'		21. PLUG, BACK T.D., MD & TVD 7488'	
22. IF MULTIPLE COMPL., HOW MANY* 2		23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 3952-3970, 4047-4050 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)	HOLE SIZE
9 5/8"	32.3#	326'	12 1/4"
7"	23.0#	7520'	8 3/4"
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2 1/16"	4060'	7215'	
31. PERFORATION RECORD (Interval, size and number) 3952-3970, 4047-4050 with 2 spf, a total of 42, .5" holes			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
3952-4050		80,000 gal of frac fluid 2190 scf of N ₂ , and 154,000# 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 1-6-81	HOURS TESTED 3 hrs.	CHOKE SIZE .75"	PROD'N. FOR TEST PERIOD →
FLOW. TUBING PRESS. 96 PSIG	CASING PRESSURE 274 PSIG	CALCULATED 24-HOUR RATE →	OIL—BBL. GAS—MCF. 169 1296
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.			
Original Signed By SIGNED E. E. SVOBODA		Dist. Admin. Supvr. DATE 2-9-81 FEB 11 1981	

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

FARMINGTON DISTRICT

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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 810' FNL x 1700' FWL At top prod. interval reported below Same At total depth Same				9. WELL NO. 20E	
14. PERMIT NO. _____ DATE ISSUED _____				10. FIELD AND POOL, OR WILDCAT Basin Dakota	
15. DATE SPUDDED 8-31-80				11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA NE/4 NW/4, Sec. 29, T26N, R5W	
16. DATE T.D. REACHED 9-20-80				12. COUNTY OR PARISH Rio Arriba	
17. DATE COMPL. (Ready to prod.) 11-14-80				13. STATE NM	
18. ELEVATIONS (DF, RWB, RT, GR, ETC.)* 6627' GL				19. ELEV. CASINGHEAD	
20. TOTAL DEPTH, MD & TVD 7520'		21. PLUG, BACK T.D., MD & TVD 7488'		23. INTERVALS DRILLED BY 10 - TD	
22. IF MULTIPLE COMPL., HOW MANY* 2		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 7270-7280, 7296-7301, 7401-7420, 7434-7438, 7448-7454 Dakota		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN Sp.GR: DIL: Compensated Neutron: Compensated Density: calipen				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#		326'	
7"		23.0#		7520'	
29. LINER RECORD					
SIZE		TOP (MD)		BOTTOM (MD)	
30. TUBING RECORD					
SIZE		DEPTH SET (MD)		PACKER SET (MD)	
2 3/8"		7447'		7215'	
31. PERFORATION RECORD (Interval, size and number) 7270-7280, 7296-7301, 7401-7420, 7434-7438, 7448-7454 with 2 spf, a total of 88, .5" holes					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
7270-7454		103,000 gal of frac fluid and 382,000 # 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		HOURS TESTED		CHOKE SIZE	
1-13-81		3 hrs		75"	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE	
77PSIG					
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					

Original Signed By

SIGNED E. E. SVOBODA

TITLE Dist. Admin. Subvr.

DATE 2-9-81
FEB 11 1981

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

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 25.

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 18: 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			38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Pictured Cliffs	3029	3110	Shaly SS			
Chacra	3948	3980	Shaly SS			
Cliffhouse	4732	4746	Shaly SS			
Menefee	4746	5249	Coal, shale x shaly SS			
Point Lookout	5249	5450	Shaly SS x Shale			
Gallup	6431	6960	Laminated shale x shaly SS			
Dakota	7263	7465	Shaly SS x Shale			