

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☒ well other ☐

2. NAME OF OPERATOR
AMOCO PRODUCTION COMPANY

3. ADDRESS OF OPERATOR
501 Airport Drive Farmington, NM 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
1160' FNL x 1140 FWL, Section 22,
AT SURFACE: T-28-N, R-4-W
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF ☐	☐
FRACTURE TREAT ☐	☐
SHOOT OR ACIDIZE ☐	☐
REPAIR WELL ☐	☐
PULL OR ALTER CASING ☐	☐
MULTIPLE COMPLETE ☐	☐
CHANGE ZONES ☐	☐
ABANDON* ☐	☐
(other) <u>Completion-Perf & Frac</u>	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Completion operations began on 5/12/78. Tripped in with tubing and bit. Drilled out frac baffle and cleaned out to 4438' PBD. Perforated 4196-4356'. Fraced with 345,000 lbs. sand and 173,250 gallons frac fluid. Tripped in with tubing and bit. Cleaned out frac sand and fluid to PBD. Production tubing landed at 4375'.

Completion rig released on 5/17/78.

5. LEASE
NM 14916

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Valencia Canyon Unit

8. FARM OR LEASE NAME

9. WELL NO.
26

10. FIELD OR WILDCAT NAME
Choza Mesa Pictured Cliffs

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NW/4 NW/4 Section 22,
T-28-N, R-4-W

12. COUNTY OR PARISH
Rio Arriba

13. STATE
NM

14. API NO.
30-039-21594

15. ELEVATIONS (SHOW DF, KDB, AND WD)
7281' GL, 7291' KB

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

Subsurface Safety Valve: Manu. and Type _____

18. I hereby certify that the foregoing is true and correct

SIGNED E. E. SYOBODA TITLE Area Adm. Supervisor DATE 5/25/78

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.6.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____		5. LEASE DESIGNATION AND SERIAL NO. NM 14916	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Valencia Canyon Unit	
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 501 Airport Drive Farmington, New Mexico 87401		8. FARM OR LEASE NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1160' FNL x 1140' FWL, Section 22, T-28-N, R-4-W At top prod. interval reported below Same At total depth Same		9. WELL NO. 26	
14. PERMIT NO.		DATE ISSUED	
15. DATE SPUDDED 4/8/78		10. FIELD AND POOL, OR WILDCAT Choza Mesa Pictured Cliffs	
16. DATE T.D. REACHED 4/13/78		11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA NW/4 NW/4 Section 22, T-28-N, R-4-W	
17. DATE COMPL. (Ready to prod.) 5/19/78		12. COUNTY OR PARISH Rio Arriba	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 7281' GL, 7291' KB		13. STATE NM	
19. ELEV. CASINGHEAD 7281'		20. TOTAL DEPTH, MD & TVD 4500'	
21. PLUG, BACK T.D., MD & TVD 4438'		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY →		ROTARY TOOLS O-TD	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4196-4356', Pictured Cliffs		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN Induction Electric and Compensated Density		27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
8-5/8"	24#	305'	12-1/4"
4-1/2"	10.5#	4500'	7-7/8"
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2-3/8"	4375'		
31. PERFORATION RECORD (Interval, size and number) 4196-4200, 4208-30, 4272-90, 4301-56 with 1 SPF of size .38"			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
4196-4356		345,000# SN-x 173,250 gallons frac fluid	
33.* PRODUCTION			
DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)		WELL STATUS (Producing or shut-in)
DATE OF TEST 5/19/78	HOURS TESTED 3	CHOKE SIZE .75"	PROD'N. FOR TEST PERIOD →
FLOW. TUBING PRESS. 200	CASING PRESSURE 525	CALCULATED 24-HOUR RATE →	OIL—BBL. 2572
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold			
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. SYORODA TITLE Area Adm. Supervisor DATE 5/31/78			

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

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 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	NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Pictured Cliffs	4188	4385				

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 5/26/78	
Company Amoco Production Company					Connection	
Pool Choza Mesa					Formation Pictured Cliffs	
Completion Date 5/19/78		Total Depth 4500		Plug Back TD 4438		Elevation 7365
Farm or Lease Name Valencia Canyon Unit						Well No. 26
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 4500	Perforations: From 4196 To 4356		
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 4375	Perforations: From Open To Ended		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a
County Rio Arriba						State New Mexico
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover
Meter Run		Taps				

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F
SI	7 days						1059		1076	
1.	2.375	0.750					200	60	525	3 hrs.
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		212	1.000	.9608	1.021	2572
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 1088 P _c ² 1183744		$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.3221$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2678$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1		537	288369	895375	
2					
3					
4					
5					

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3261$$

JUL 6 1978

OIL CON. COM.

DIST. 3

Absolute Open Flow _____ 3261 _____ Mcfd @ 15.025	Angle of Slope _____ Slope, n = .85
Remarks: _____	

Approved By Commission:	Conducted By: T. M. Oliver	Calculated By: T. M. Oliver /MJF	Checked By:
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