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Form C-105
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION WELL COMPLETION OR RECOMPLETION REPORT AND LOG

a. TYPE OF WELL

OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐

b. TYPE OF COMPLETION

NEW WELL ☐ WORK OVER ☒ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

1. Name of Operator
Aztec Oil & Gas Company

2. Address of Operator
P. O. Drawer 570, Farmington, New Mexico

3. Location of Well

UNIT LETTER G LOCATED 1650 FEET FROM THE North LINE AND 1650 FEET FROM

THE East LINE OF SEC. 25 TWP. 31 North, 11 West, NMPM

12. County
San Juan

15. Date Completed
16. Date T.D. Reached
17. Date Compl. (Ready to Prod.)
18. Elevations (DF, RKB, RT, GR, etc.)
19. Elev. Casinghead

20. Total Depth
4960'
21. Plug Back T.D.
4960'
22. If Multiple Compl., How Many
23. Intervals Drilled By
Rotary Tools
Cable Tools

24. Producing Interval(s), completion - Top, Bottom, Name
4705-4842, Mesaverde
25. Was Directional Survey Made
Yes

26. Type Electric and other Logs Run
Bond Log & Gamma Ray
27. Was Well Cored
No

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
4 1/2"	10.50#	4960'	6-3/4"	170 Sacks	

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	DEPTH SET	PACKER SET
					1 1/2"	4786

31. Perforation Record (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
4705-4714	4794-4798	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4718-4730	4816-4826	4705-4842	63,010 Gals Water
4738-4744	4836-4842		40,000# 20/40 Sand
4750-4760	2 SPF		25,000# 10/20 Sand
4768-4770			

33. PRODUCTION

Date First Production
Production Method (Flowing, gas lift, pumping - See and type pump)
Well Status (Prod. or Shut-in)

Flowing
Shut In

Date of Test
Hours Tested
Choke Size
Prod'n. For Test Period
Oil - Bbl.
Gas - MCF
Water - Bbl.
Gas - Oil Ratio

6-30-73
3 Hours
3/4"
4928
571
155
Calculated 24-Hour Rate
Oil - Bbl.
Gas - MCF
Water - Bbl.
Oil Gravity - API (Corr.)

34. Disposition of Gas (Sold, used for fuel, vented, etc.)
Vented
Test Witnessed By

35. List of Attachments

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED Joe E. Johnson TITLE District Superintendent DATE July 3, 1973

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 6-30-73			
Company Aztec Oil & Gas Company				Connection Southern Union Gathering					
Pool Blanco				Formation Mesaverde				Unit	
Completion Date 6-21-73		Total Depth 4960'		Plug Back TD 4960'		Elevation 5814 GR		Farm or Lease Name Bruington	
Csg. Size 4 1/2"	Wt. 10.50#	d	Set At 4960'	Perforations: From 4705' To 4842'		Well No. #1			
Tub. Size 1 1/2"	Wt. 2.75#	d	Set At 4786'	Perforations: From ---- To ----		Unit Sec. Twp. Hgt. G 25 31N 11W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At ----		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a		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
1.	2"		3/4"				650		650		7.0
2.							571		155		3 Hours
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12,365		155	1.0000	.9258	1.0000	1774
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 662	P _c ² 438,244	
NO.	P _i ²	P _w
1	571	326,041
2		
3		
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.9058$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4,928$

(2) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.7782$

Absolute Open Flow 4,928	Mcf/d @ 15.025	Angle of Slope @ _____	Slope, n _____
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RECEIVED
JUL 5 1973
OIL CON. COM.
DIST. 3

Approved by Commission:	Conducted By:	Calculated By: <i>Jan E. Dumas</i>	Checked By:
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