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Form C-105
Revised 1-1-65

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

RECEIVED
JUL 3 1969
OIL CON. COM.
DIST. 3

5a. Indicate Type of Lease: State ☐ Fee ☒
5. State Oil & Gas Lease No.

1a. TYPE OF WELL
b. TYPE OF COMPLETION
OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER

7. Unit Agreement Name

8. Farm or Lease Name: Decker

2. Name of Operator: Aztec Oil and Gas

9. Well No.: 4

3. Address of Operator: Drawer 570, Farmington, New Mexico

10. Field and Pool, or Wildcat: Basin Dakota

4. Location of Well
UNIT LETTER M LOCATED 990 FEET FROM THE South LINE AND 990 FEET FROM THE West LINE OF SEC. 10 TWP. 32 RGE. 12 NMPM

12. County: San Juan

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
5-1-69	5-15-69	5-31-69	6055 Gr	6056

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
7200	7200	2	→	X	

24. Producing Interval(s), of this completion — Top, Bottom, Name
7038 - 7132 Dakota

25. Was Directional Survey Made: yes

26. Type Electric and Other Logs Run
Induction Gamma Ray & Formation Density

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
10-3/4"	32.75	322	15"	300 sx	
7-5/8"	26.40	4660	9-7/8"	400 sx	
4-1/2"	see under	liner			

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
4-1/2"	4533	7200	340 sx	

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
1½	6614	6614

31. Perforation Record (Interval, size and number)
7038-46, 7104-7118, 7124-32 4 SPF

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
7038 -7132	25,000# 20/40
	75,000# 40/60
	75,000# salt, 97,550 gal water
	dropped 50 balls

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size 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
6-7-69	3 hr	3/4"					

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
108				1613		

34. Disposition of Gas (Sold, used for fuel, vented, etc.)
sold

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 C. Adkins (dr) TITLE District Superintendent DATE 7-2-69

P.C. 2340
C.H. 4180
P.L. 4741
Greenhorn 6910
Granger 6962
Dakota 7096

NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 12-1-55

RECEIVED
JUL 3 1969
OIL CON. COM.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 6-7-69		
Company: Aztec Oil and Gas		Connection: Southern Union Gathering			
Pool: Basin		Formation: Dakota		Unit:	
Completion Date: 5-31-69	Total Depth: 7200	Plug Back TD: 7200	Elevation: 6055 Gr	Farm or Lease Name: Decker	
Csg. Size: 7-5/8-4½ / Wt.: 26.4-11.6 / d: / Set At: 4660-7200		Perforations: From 7038 To 7132		Well No.: 4	
Tbg. Size: 1½ / Wt.: 2.75 / d: / Set At: 6614		Perforations: From open ended To		Unit: M / Sec.: 10 / Twp.: 32 / Rge.: 12	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: GG. dual		Packer Set At: 6614		County: San Juan	
Producing Thru:	Reservoir Temp. °F @	Mean Annual Temp. °F	Baro. Press. – P_a	State: New Mexico	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps

	FLOW DATA				TUBING DATA		CASING DATA		
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	Duration of Flow
SI	2	3/4				1496				
1.						108				
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		130	1.000	.9258	1.014	1509
2.							
3.							
4.							
5.							

NO.	P_r	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1508 P_c^2 2274064

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	16900	440	193340	2080724
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0929$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0688$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1613$

Absolute Open Flow 1613 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n _____

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
		[signature]	