

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

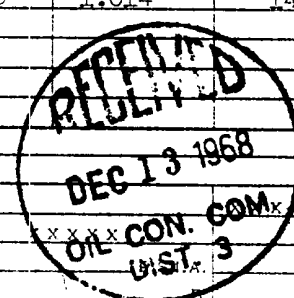
Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 12-3-68	
Company Azbac Oil and Gas			Connection Southern Union Gathering		
Local Blanco			Formation Mesoverde		Unit
Completion Date 11-24-68		Total Depth 4960	Plug Back TD 4951	Elevation 6031 DF	Farm or Lease Name Thompson
Cou. Size 3/8	Wt. 7.7	d d	Set At 4060	Perforations: From 4745 To 4846	Well No. 3
Teg. Size 1 1/2	Wt. 2.9	d d	Set At 4808	Perforations: From 4808 To 4846	Unit Sec. Twp. Rge. B 34 31N 12W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single				County San Juan	
Producing Thru tubing		Reservoir Temp. °F @	Mean Annual Temp. °F	Bore. Press. - P _c	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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI	2		3/4				839		839		
1.							117		498		3 hr
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (20-1000)	$\sqrt{h_w P_{12}}$	Pressure P ₁₂	Flow Temp. Factor F _L	Gravity Factor F _g	Super. Comp. Factor, F _{pv}	Rate of Flow Q, Mscf/d
1	22.555		122	1.000	.9258	1.014	1498
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	XXXXXX
					Specific Gravity Flowing Fluid	XXXXXX
					Critical Pressure	P.S.I.A.
					Critical Temperature	°F



$\frac{P_r^2}{P_c^2 - P_r^2} = 1.2561$ $\left(\frac{P_r^2}{P_c^2 - P_r^2} \right)^n = 1.1019$ $\left(\frac{P_r^2}{P_c^2 - P_r^2} \right)^n = 1766$	Absolute Open Flow <u>1766</u> Mcf/d @ 15.025 Angle of Slope ϕ _____ Slope, n _____
Remarks: _____	
Approved By Commission:	Conducted By: _____
Calculated By: <i>Joe O. Anderson</i>	Checked By: _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

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 "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER ☐	5. LEASE DESIGNATION AND SERIAL NO. NM - 01614
2. NAME OF OPERATOR Aztec Oil and Gas	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Drawer 570, Farmington, New Mexico	7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface	8. FARM OR LEASE NAME Thompson
9. PERMIT NO. 990 FNL & 1650 FEL, Sec. 34-31N-12W	9. WELL NO. 3
10. ELEVATIONS (Show whether OF, RM, OR, etc.) 6031 DF	10. FIELD AND POOL, OR WILDCAT Blanco Mesaverde
11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 34-31N-12W	11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA
12. COUNTY OR PARISH San Juan	13. STATE New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF ☐	PULL OR ALTER CASING ☐	WATER SHUT-OFF ☐	REPAIRING WELL ☐
FRACTURE TREAT ☐	MULTIPLE COMPLETE ☐	FRACTURE TREATMENT ☐	ALTERING CASING ☐
SHOOT OR ACIDIZE ☐	ABANDON* ☐	SHOOTING OR ACIDIZING ☐	ABANDONMENT* ☐
REPAIR WELL ☒	CHANGE PLANS ☐	(Other) ☐	
(Other) ☐			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)*

Propose to:

Pull 2-3/8" tubing
Cement open hole +737' to 5121'
Set whipstock approximately 4550'
Gas drill 4-3/4" hole to 4950'
Run 3 1/2" casing
Perforate and sand-water frac
Re-complete in the Mesaverde.

RECEIVED

OCT 28 1968

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.



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

SIGNED: [Signature]

TITLE: District Superintendent

DATE: 10-24-68

(This space for Federal or State office use)

APPROVED BY:

CONDITIONS OF APPROVAL, IF ANY:

TITLE:

DATE:

*See Instructions on Reverse Side

NO. OF COPIES RECEIVED	5
DISTRICT OFFICE	
SALES OFFICE	1
FILE	1
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL 1
	GAS 1
OPERATOR	1
INFORMATION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR INFORMATION

Form O-104
Supersedes O-104 and O-110
Effective 1-1-65

AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

ILLEGIBLE

Operator

Astec Oil & Gas Company

Address

P. O. Drawer 570, Farmington, New Mexico

Reason(s) for filing (Check proper box)

Other (Please explain)

New Well

Change in Transporter of Oil

Recompletion

Oil

Dry Gas

Change in Ownership

Continued Gas

Gasolines

If change of ownership give name
and address of previous owner

II. LEASE INFORMATION AND LOCATION

Lease Name

Well No. Pool Name, including Formation

Kind of Lease

Lease No.

Thompson

5

Blanco Mesquite

State, Federal or Free W-101414

Location

Unit Letter

800

Foot From The

North

Line and

1000

Foot From The

East

Section 34

Township 34N

Range 20W

County

State

County

III. TRANSPORTER OF OIL OR GAS INFORMATION

Name of Authorized Transporter of Oil

or Continuity

Address (Please send to which approved copy of this form is to be sent)

Placitas

Placitas, New Mexico

Name of Authorized Transporter of Gasolines or Dry Gas

or Dry Gas

Address (Please send to which approved copy of this form is to be sent)

Se. Union Gathering

Which produces oil or liquids,
and location of tanks.

Unit

Gas

Tr.

Age

Is gas actually produced?

When

If this production is commingled with that from any other lease or pool, give commingling order number

IV. PRODUCTION INFORMATION

Designate Type of Completion - (M)

Oil Well

Gas Well

New Well

Workover

Deepen

Plug Back

Same Ready

Diff. Ready

Date Started

Date Comm. Ready to Prod.

Total Depth

P.B.T.D.

Elevations (OF, HWS, RT, GK, etc.)

Name of Producing Formation

Top Oil/Gas Pay

Tubing Depth

Perforations

Depth Casing Shoe

Amount Used

Amount of Cement

or

SACKS CEMENT

V. OIL TEST DATA AND REQUEST FOR INFORMATION

(If test data is to be used for lease or pool, it must be equal to or exceed top allowable test)

Start First New Oil Run To Tanks

Date of Test

Production (oil, gas, pump, etc. etc.)

Length of Test

Flowing Pressure

Surface Pressure

Chart Size

Actual Prod. During Test

Test Results

Test Results

Chart Size

Test Results

Actual Prod. Test-MOP/D

Length of Test

Actual Prod. Test-MOP

Chart Size

Flowing Pressure (oil, gas, etc.)

Tubing Pressure (oil, gas, etc.)

Surface Pressure (oil, gas, etc.)

Chart Size

VI. CERTIFICATION OF COMPLIANCE

OIL CONSERVATION COMMISSION

MAR 30 1972

Original Signed by Emery C. Arnold

SUPERVISOR DIST. #3

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Oil Well Superintendent

(Date)

March 23, 1972

(Date)

