

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	110	110	Surface Sands - Caliche
110	1128	1018	Red Beds, Shale & shells-
1128	1250	232	Shale, anhydrite (Top Anhydrite 1250)
1250	1510	260	Anhydrite, Salt (Top Salt 1510)
1510	2530	1020	Anhydrite, salt (Base Salt 2530)
2530	3000	470	Anhydrite, Lime
3000	5300	2300	Lime & dolomite (Top Glorieta 5300)
5300	5760	460	Lime & shale (Top Blinbry 5760)
5760	6250	490	Lime (Top Tubbs 6245)
6250	6550	300	Lime, sand (Top Drinkard 6550)
6550	7480	930	Lime, dolomite, shale (Top Simpson 7480)
7480	7670	190	Lime, Shale (Top McKee 7670)
7670	7810	140	Sand & shale
7810	7990	170	Sand, shale, lime (Top Ellenberger Line 7975)
7990	8083	103	Lime, Dolomite
	TD		

Drill Stem Tests:

- No. 1 5744-5787 Open 90 min.
Rec. 100' oil and gas out mud; 225' free oil
- No. 2 5742-5815 Open 3-1/2 hrs.
Rec. 125' oil and gas out mud; 400' clean oil
- No. 3 7585-7672 Mis-run
- No. 4 7593-7672 Mis-run
- No. 5 7568-7675 Open 1 hr.
Rec 105' gas out mud; 360' heavily oil and gas out mud; 360' free oil
- No. 6 7568-7705 open 75 min.
Gas to surface 3 min., oil 16 min. Flowed 27BPH
- No. 7 8010-8052 Open 80 min.
Gas to surface 3 min., oil 10 min., Flow 116 bbls in 80 min.
- No. 8 8052-8085 Open 2 hrs.
Gas to surface 4 min., oil 10 min., Flow 100 bbls in one hr.

Form C-110
It is necessary that Form C-104 be approved before this form can be approved and an initial allowance be assigned to any completed oil or gas well.

NEW MEXICO OIL CONSERVATION COMMISSION

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL



Company or Operator Astec Oil and Gas Co. Lease State
Address Box 864, Hobbs, N.M. 1104 Burt Bldg Dallas, Texas
(Local or Field Office) (Principal Place of Business)
Unit Lot 13 Wells No. 3 Sec. 2 T. 21S R. 37E Pool N. Brunson County Lea
Kind of Lease State Location of Tanks On lease
Transporter Texas-New Mexico Pipeline Address of Transporter Eunice, N.M.
(Local or Field Office)
Midland, Texas Percent of oil to be transported 100% Other transporters authorized
(Principal Place of Business)
to transport oil from this unit are None %
REMARKS:



The undersigned certifies that the rules and regulations of the Oil Conservation Commission have been complied with except as noted above and that gathering agent is authorized to transport the percentage of oil produced from the above described property and that this authorization will be valid until further notice to the transporter named herein or until cancelled by the Oil Conservation Commission of New Mexico.

Executed this the 22 day of April, 1951

Astec Oil and Gas Co.
(Company or Operator)
By Prentice R. Watts, Jr.
Title Petroleum Engineer

Approved: st - 25, 1951

OIL CONSERVATION COMMISSION

By Roy O. Yankrough

Oil & Gas Inspector

(See Instructions on Reverse Side)

INSTRUCTIONS

Form C-110

This form shall be executed and filed in quadruplicate with the District Office of the Oil Conservation Commission, covering each unit from which oil or gas is produced. A separate certificate shall be filed for each transporter authorized to transport oil or gas from a unit. After said certificate has been approved by the Oil Conservation Commission, one copy shall be forwarded to the transporter, one copy returned to the producer, and two copies retained by the Oil Conservation Commission.

A new certificate shall be filed to cover each change in operating ownership and each change in the transporter, except that in the case of a temporary change in the transporter involving less than the allowable production for one proration period, the operator shall in lieu of filing a new certificate, notify the Oil Conservation Commission District Office, and the transporter authorized by certificate on file with the Commission, by letter of the estimated amount of oil or gas to be moved by the transporter temporarily moving oil or gas from the unit and the name of such temporary transporter and a copy of such notice shall also be furnished such temporary transporter. Such temporary transporter shall not move any more oil or gas than the estimated amount shown in said notice.

This certificate when properly executed and approved by the Oil Conservation Commission shall constitute a permit for pipe line connection and authorization to transport oil or gas from the property named therein and shall remain in full force and effect until

- (a) Operating ownership changes
- (b) The transporter is changed or
- (c) The permit is cancelled by the Commission.

If any of the rules and regulations of the Oil Conservation Commission have not been complied with at the same time this report is filed, explain fully under the heading "REMARKS."

In all cases where this certificate is filed to cover a change in operating ownership or a change in the transporter designated to move oil or gas, show under "REMARKS" the previous owner or operator and the transporter previously authorized to transport oil or gas.

A separate report shall be filed to cover each producing unit as designated by the Oil Conservation Commission.

DUPLICATE

CONSERVATION COMMISSION
Santa Fe, New Mexico

REQUEST FOR (OIL)-(GAS) ALLOWABLE

It is necessary that this form be submitted by the operator before an initial allowable will be assigned to any completed oil or gas well. Form C-101 (Certificate of Compliance and Authorization to Transport Oil) will not be assigned until Form C-104 is filed with the Commission. Form C-104 is to be submitted in duplicate to the office to which Form C-101 was sent. Two copies will be retained there and the other submitted to the Proration Office, Hobbs, New Mexico. The allowable will be assigned effective 7:00 a.m. on date of completion, provided completion report is filed during month of completion. The completion date shall be that date in the case of an oil well when oil is delivered into the stock tanks. Gas must be reported on 15.025 P.B. at 60° Fahrenheit.

RECEIVED
APR 19 1951
OIL CONSERVATION COMMISSION
PRORATION OFFICE

Hobbs, N.M.
Place

April 20,
Date

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

Artes Oil and Gas Co.
Company or Operator

State
Lease

Well No. 3 in Lot 13 1/4 1/4

section 2, T. 21S, R. 37E, N.M.P.M. Y. Brunson Pool Lea County

Please indicate location: Elevation 3491 Spudded 2-16-51 Completed 4-19-51

Total Depth 8093 P.B. -

Top Oil/Gas Pay 8015 Top Water Pay none

Initial Production Test: Pump Flow 1440 (BOPD OR CU. FT.) (GAS PER DAY)

Based on 360 Bbls. Oil in 8 Hrs. 0 Mins.

Method of Test (Pitot, gauge, prover, meter run): -

Size of choke in inches 20/64

Tubing (Size) 8 1/2" 8081 Feet

Pressures: Tubing 250 Casing 400

Gas/Oil Ratio 840 Gravity

Casing Perforations:

none

Unit letter: -

Acid Record: none

Show of Oil, Gas and water

Casing & Cementing Record

Size	Feet	Sax
13-3/8	240	200
8-5/8	3000	1300
5-1/2	8010	550

Gals to S/
Gals to S/
Gals to S/

Shooting Record. none

Qts to S/
Qts to S/
Qts to S/

Natural Production Test: - Pumping - Flowing

Test after acid or shot: - Pumping - Flowing

Please indicate below Formation Tops (in conformance with geographical section of state):

Southeastern New Mexico

Northwestern New Mexico

T. Anhy 1250
T. Salt 1510
B. Salt 2530
T. Yates
T. 7 Rivers
T. Queen
T. Grayburg
T. San Andres
T. Glorieta 5300
T. Drinkard 6550
T. Tubbs 6245
T. Abo
T. Penn
T. Miss

T. Devonian
T. Silurian
T. Montoya
T. Simpson 7490
T. McKee 7690
T. Ellenburger Line 7975
T. Gr. Wash
T. Granite
T.
T. TD 8093 in Ellen.
T.
T.
T.

T. Ojo Alamo
T. Kirtland-Fruitland
T. Farmington
T. Pictured Cliffs
T. Cliff House
T. Menefee
T. Point Lookout
T. Mancos
T. Dakota
T. Morrison
T. Penn
T.
T.
T.

Date first oil run to tanks or gas to pipe line: 4-11-51

Pipe line taking oil or gas: Texas-New Mexico Pipeline

Remarks: _____

Aztec Oil and Gas Co.
Company or Operator

By: *Prentice R. Watts, Jr.*
Signature

Position: Petroleum Engineer

Send communications regarding well to:

Name: Aztec Oil and Gas Co.

Box 864

Address: Hobbs, N.M.

APPROVED 4-25 1951

OIL CONSERVATION COMMISSION

By: *Roy Yuckrough*

Title: Oil & Gas Inspector