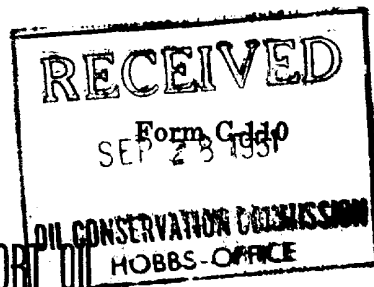


FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
		SAMPLE LOG	
0	9000	9000	No samples
9000	7365	2365	Dolomite w/streaks lime, shale & anhydrite
7365	7478	113	Lime & shale
7478	7873	395	Sand & shale w/streaks lime
7873	7891	18	Lime
DATA BY TELETYPE:			
Glarieta	5136	(-1687)	
Brinkard	5246	(-2991)	
McFee	7478	(-4029)	
Connell	7804	(-4955)	
Ellenburger line	7873	(-4424)	
TEST #1:	5590-5700 (200' Ellsberry dolomite)		Tool open 35 min. thru 5/8" BC & 1" TC on 4 1/2" DS. Gas in 7 min. Mud in 9 min. Flowed 15 min. to clean & stabilize, then flowed & stabilized & maximum rate of 9980 Mcf/day (measured w/Pitot tube thru 4" line). Recovered 240' (3.4 bbls.) heavily gas cut mud. FBHP 1500 psi. 15 min. SIBHP 2500 psi. RWH 2000 psi. <u>Positive Test.</u>
TEST #2:	6859-7025 (166' lower Permian dolomite)		Tool open 5 hrs. & 15 min. thru 5/8" BC & 1" TC on 4 1/2" DS. Very strong blow immediately. Gas in 4 min. Mud in 36 min. Oil in 65 min. Flowed to pits to clean, then flowed 38.5 bbls. of 41.9° API. gravity oil, cut 0.4% DS in 4 hrs. GOR 4091. Recovered out recovery, no water. RWH 3550 psi. FBHP 450-775 psi. 30 min. SIBHP 1800 psi. <u>Positive Test.</u>
TEST #3:	7025-7100 (75' lower Permian)		Tool open 2 hrs. thru 5/8" BC & 1" TC on 4 1/2" DS. Fair blow throughout test. Gas to surface in 30 min. Rec. 95' (1.4 bbls.) oil & gas cut mud. RWH 3575 psi. FBHP 0 psi. SIBHP failed. <u>Positive Test.</u>
TEST #4:	7111-7197 (86' lower Permian dolomite)		Tool open 2 hrs. thru 5/8" BC & 1" TC on 4 1/2" DS. Very weak air blow throughout test. Rec. 10' drlg. mud w/no shows. RWH 3650 psi. FBHP & 30 min. SIBHP 0 psi. <u>Positive Test.</u>
TEST #5:	7197-7298 (105' lower Permian dolomite & lime.)		Tool open 3 hrs thru 5/8" BC & 1" TC on 4 1/2" DS. Good air blow immediately. Gas to surface in 1 hr. 50 min. Rec. 150' (2.13 bbls.) oil & gas cut mud. RWH 3850 psi. FBHP 0 psi. 30 min. SIBHP 500 psi. <u>Positive Test.</u>

APPLICATE

**OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO**



CERTIFICATE of COMPLIANCE and AUTHORIZATION to TRANSPORT OIL

Company or Operator Shell Oil Company Lease Argo Oil Corporation
Address Box 1457, Hobbs, New Mexico Box 1509, Midland, Texas
(Local or Field Office) (Principal Place of Business)
Unit Wells No. 11 Sec. 15 T. 21-S. R. 37E Field Here County Lea
Kind of Lease Patented Location of Tanks Center 3/2 of Lease
Transporter Shell Pipe Line Address of Transporter Box 1486, Hobbs, New Mexico
(Principal Place of Business) (Local or Field Office)
Houston, Texas Percent of oil to be transported 100. Other transporters author-
ized to transport oil from this unit are None 0 %
REMARKS:

New completion. Allowable to date from 9-25-51.

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 percentages 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 26th day of September, 1951

Shell Oil Company
(Company or Operator)
By J. D. Savage
Title Division Exploitation Engineer

State of New Mexico }
County of Lea } ss.

Before me, the undersigned authority, on this day personally appeared J. D. Savage known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states that he is authorized to make this report and has knowledge of the facts stated herein and that said report is true and correct.

Subscribed and sworn to before me, this the 26th day of September, 1951

Notary Public in and for Lea County, New Mexico

Approved: Sept - 29 1951

OIL CONSERVATION COMMISSION

By W. B. Gunkle
Oil & Gas Inspector

(See Instructions on Reverse Side)

INSTRUCTIONS

This form shall be executed and filed in quadruplicate with the Oil Conservation Commission at Santa Fe, New Mexico, covering each unit from which oil is produced. A separate certificate shall be filed for each transporter authorized to transport oil 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 month the operator shall in lieu of filing a new certificate, notify the Oil Conservation Commission at Santa Fe, New Mexico, and the transporter authorized by certificate on file with the Commission, by letter of the estimated amount of oil to be moved by the transporter temporarily moving oil 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 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 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.

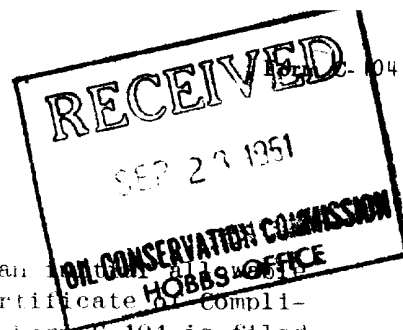
If any of the rules and regulations of the Oil Conservation Commission have not been complied with at the same time this report is filed, explain fully under the heading "REMARKS."

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, show under "REMARKS" the previous owner or operator and the transporter previously authorized to transport oil.

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

DUPLICATE

OIL CONSERVATION COMMISSION
Santa Fe, New Mexico



REQUEST FOR (OIL)-(GAS) ALLOWABLE

It is necessary that this form be submitted by the operator before an allowable will be assigned to any completed oil or gas well. Form C-110 (Certificate of Compliance and Authorization to Transport Oil) will not be approved until Form C-101 is filed with the Commission. Form C-101 is to be submitted in triplicate 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.S. at 60° Fahrenheit.

Hobbs, New Mexico

9-26-51

Place

Date

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

Shell Oil Company

Argo

Well No. 11

in NE 1/4 SW 1/4
2080' WSL & 1650' WTL

Company or Operator

Lease

Section 15, T. 21-S, R. 37-E, N.M.P.M. Hare Pool Lea County

Please indicate location: Elevation 3449 Spudded 7-14-51 Completed 9-25-51

R-37-E

Total Depth 7891 ~~7888~~ DOD 7888

Top Oil Pay 7478 Top Water Pay
Initial Production Test: Pump Flow 367.61 (BOBP 1500)

Sec. 15

Based on 367.61 Bbls. Oil in 24 hrs. Mins.

Method of Test (Pilot, gauge, prover, meter run) Tanks

Size of choke in inches 16/64"

Tubing (Size) 2 3/8" 7879 Feet

Pressures: Tubing 875 Casing Packer

Gas/Oil Ratio 1166 Gravity 44.5° API

Casing Perforations:

7518-7826 (118' net feet)

Unit letter: K

Acid Record:

Show of Oil, Gas and water

Casing & Cementing Record

Size Feet Sax

13 3/8" 228 250

8 5/8 2902 1950

5 1/2" 7890 875
(Liner)

Shooting Record.

Qts to

Qts to

Qts to

Natural Production Test: Pumping 367.61 Flowing

Test after acid or shot: Pumping Flowing

Please show formation tops (in conformance with geographical section of state):

Southeastern New Mexico

Northwestern New Mexico

T. Anhy

T. Salt

B. Salt

T. Yates

T. T. Rivers

T. Green

T. Lechong

T. San Andres

T. Gila 5136 (-1687)

T. Gila 6440 (-2991)

T. Pueblo

T. Aba

T. Perm

T. Perm

T. Devonian

T. Silurian

T. Montoya

T. Simpson

T. McKee 7478 (-4029)

T. Ellenburger Line 7873 (-4424)

T. Gr. Wash

T. Granite

T. Granite

T. Granite

T. Granite

T. Granite

T. Granite

T. Granite

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. Penn

T. Penn

T. Penn

(Please supply required information on reverse side of form)

Date first oil run to tanks or gas to pipe line: 6-25-51

Pipe line taking oil or gas: Shell Pipe Line

Remarks: New completion.

Shell Oil Company
Company or Operator

By: J. D. Savage
Signature

Position: Division Exploitation Engineer

Send communications regarding well to:

Name: Shell Oil Company

Address: Box 1457, Hobbs, New Mexico

APPROVED Sept-28, 1951

OIL CONSERVATION COMMISSION

By: Woy Yankraugh
Title: Oil & Gas Inspector