

DUPLICATE

OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO

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SEP 10 1951

Form C-110

OIL CONSERVATION COMMISSION
OFFICE

CERTIFICATE of COMPLIANCE and AUTHORIZATION to TRANSPORT OIL

Company or Operator Shell Oil Company Lease Arge Oil Corporation
Address Box 1457, Hobbs, New Mexico Box 1509, Midland, Texas
(Local or Field Office) (Principal Place of Business)
Unit L Wells No. 10 Sec. 15 T. 21S R. 7E Field Hare County Lea
Kind of Lease P-tented Location of Tanks Center 3/2 of Lease
Transporter Shell Pipe Line Address of Transporter Box 486, Hobbs, New Mexico
Houston, Texas (Local or Field Office)
Percent of oil to be transported 100 Other transporters authorized to transport oil from this unit are None 0 %
REMARKS:

New completion. Allowable to date from 9-4-51.

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 7th day of September, 1951

Shell Oil Company

(Company or Operator)

By John 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 7th day of September, 1951

Notary Public in and for Lea County,

My Commission Expires Sept. 16, 1954

Approved: Sept - 10 1951

OIL CONSERVATION COMMISSION

By Ray O. Yushroeg
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.

OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

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REQUEST FOR (OIL)-~~TOES~~ 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-104 is filed with the Commission. Form C-104 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.B. at 60° Fahrenheit.

Hobbs, New Mexico

9-5-51

Place

Date

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

Shell Oil Company

Argo

Well No. 10 in NW 1/4 SW 1/4

Company or Operator

Lease

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

Please indicate location:

Elevation 3453 DF Spudded 7-19-51 Completed 9-4-51

R-37-E

Total Depth 8015 ~~7775~~ DOD 7996

Top Oil ~~Pay~~ Pay 7602 Top Water Pay

Initial Production Test: Pump Flow 393 (BOPD ~~393~~)

Based on 393 Bbls. Oil in 24 Hrs. Mins.

Method of Test (Pilot, Gauge, Pressure, Meter, etc.): Tanks

Size of choke in inches 16/64"

Tubing (Size) 2 3/8" @ 7991 Feet

Pressures: Tubing 500 psi Casing Packer

Gas/Oil Ratio 1260 Gravity 41.8° API

Casing Perforations:

7647-7960 (113 net feet)

Unit letter:

Casing & Cementing Record

Size	Feet	Sax
13 3/8"	241	250
8 5/8"	2907	1700
5 1/2"	8012	875

Acid Record:

Gals to
Gals to
Gals to

Shooting Record.

Qts to
Qts to
Qts to

Show of Oil, Gas and water

S/
S/
S/
S/
S/
S/
S/

Natural Production Test: Pumping 393 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
T. Salt
B. Salt
T. Yates
T. 7 Rivers
T. Queen
T. Grayburg
T. San Andres
T. Glorieta 6420 (-2967)
T. Drinkard
T. Tubbs
T. Abo
T. Penn
T. Miss

T. Devonian
T. Silurian
T. Montoya
T. Simpson 7291 (-3838)
T. McKee 7602 (-4149)
T. Ellenburger
T. Gr. Wash
T. Granite
T.
T.
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.

(Please supply required information on reverse side of form)

Date first oil run to tanks or gas to pipe line: 9-4-51

Pipe line taking oil or gas: Shell Pipe Line

Remarks: New completion.

Shell Oil Company
Company or Operator

By: _____
Signature

Position: Division Exploitation Engineer

Send communications regarding well to:

Name: Shell Oil Company

Address: Box 1457, Hobbs, New Mexico

APPROVED Sept - 10, 1951

OIL CONSERVATION COMMISSION

By: Roy Yarbrough

Title: Oil & Gas Inspector

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
SAMPLE LOG			
0	5000	5000	No samples.
5000	7250	2250	Dolomite w/streaks lime, shale & anhydrite.
7250	7997	747	Sand and shale w/streaks lime.
7997	8015	18	Lime
TOPS BY SCHLUMBERGER:			
McKee		7602 (-4149)	
Base McKee		7799 (-4346)	
Connell		7930 (-4477)	
Ellenburger Lime		7997 (-4544)	
DST #1: 7200 - 7325 (Lower Permian dolomite, Detrital zone & Simpson line).			Tool open 4 hrs. & 20 min. thru 5/8" BC & 1" TC on 3 1/2" DS. Very strong blow immediately. Gas to surface in 4 min., mud in 10 min., oil in 15 min. Flowed to pits to clean, then flowed 199.4 bbls. of 40.4 API gravity oil, cut 0.4% BS in 3 hrs. & 40 min. Last hour flowed 52.3 bbls. Reversed out recovery. GOR 1096. FBHP 1250 to 2000 psi. 15 min. SIBHP 2500 psi. HMM 3750 psi. <u>Positive Test.</u>
DST #2: 7243-7325 (Permian Detrital & Simpson line)			Tool open 2 hrs. thru 5/8" BC & 1" TC on 3 1/2" DS. Weak air blow immediately & throughout test. Recovered 1020' (7.55 bbls.) black salty sulphur water titrating 55,320 ppm chlorides. FBHP 200 to 600 psi. 30 min. SIBHP 800 psi. HMM 3920 psi. <u>Positive Test.</u>
DST #3: 7090-7199 (Lower Permian dolomite).			Tool open 3 hrs. & 26 min. thru 5/8" BC & 1" TC on 4 1/2" DS. Very strong blow immediately. Gas to surface in 5 min., mud in 16 min., oil in 18 min. Flowed to pits to clean, then flowed 148.5 bbls. 38.8 API gravity oil cut 0.6% BS in 3 hrs. Last hour flowed 49.5 bbls. GOR 925. Reversed out recovery. FBHP 1240-1880 psi. 15 min. SIBHP 2720 psi. HMM 3800 psi. <u>Positive Test.</u>