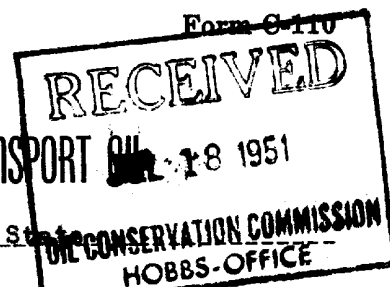


DUPLICATE

OIL CONSERVATION COMMISSION  
STATE OF NEW MEXICO



CERTIFICATE of COMPLIANCE and AUTHORIZATION to TRANSPORT OIL

Company or Operator Shell Oil Company Lease State  
Address Box 1457, Hobbs, New Mexico Box 1509, Midland, Texas  
(Local or Field Office) (Principal Place of Business)  
Unit S Wells No. 6 Sec. 2 T. 21-S R. 37 Field North Brunson County Lea  
Center N/2 of SW/4 of Sec. 2.  
Kind of Lease Patented Location of Tanks \_\_\_\_\_  
Transporter Shell Pipe Line Address of Transporter Box 486, Hobbs, New Mexico  
(Local or Field Office)  
Houston, Texas Percent of oil to be transported 100. Other transporters author-  
(Principal Place of Business)  
ized to transport oil from this unit are None 0 %  
REMARKS:

New completion. Allowable to date from 7-11-51.

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 18th day of July, 1951

Shell Oil Company  
(Company or Operator)  
By Frank L. Lawrence  
Title Division Exploitation Engineer Supt.

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 18th day of July, 1951

Gene L. Davis  
My Commission Expires Sept. 16, 1954

Notary Public in and for Lea County, New Mexico

Approved: July - 19 1951

OIL CONSERVATION COMMISSION

By Wayne W. Harkness  
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

RECEIVED

JUL 18 1951

## 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-110 (Oil Allowable of Completion 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  
Place7-17-51  
Date

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

Shell Oil Company  
Company or OperatorState  
LeaseWell No. 6 in NE 1/4 SW 1/4  
1980' FSL & 1980' FWL

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

Please indicate location: Elevation 3488 DF Spudded 5-9-51 Completed 7-11-51

			R-37-E
	x		
		Sec. 2	

Total Depth 8207 P.B.

Top Oil/Gas Pay 8081 Top Water Pay  
Initial Production Test: Pump Flow 444 (BOPD 25 GPM)

T Based on 444 Bbls. Oil in 24 Hrs. Mins.

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

Size of choke in inches 16/64"

S Tubing (Size) 2 3/8" @ 8200 Feet

Pressures: Tubing 400 Casing 0(Packer)

Gas/Oil Ratio 969 Gravity 44°

Casing Perforations:

Unit letter: S

## Casing &amp; Cementing Record

Size	Feet	Sax
13 3/8"	225'	300
8 5/8"	3149'	2000
5 1/2"	8065'	1080

## Acid Record:

Gals to  
Gals to  
Gals to

## Show of Oil, Gas and water

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

## Shooting Record.

Qts to  
Qts to  
Qts to

Natural Production Test: Pumping 444 Flowing

Test after acid or shot: Pumping Flowing

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

## Southeastern New Mexico

T. Anhy  
T. Salt  
B. Salt  
T. Yates  
T. 7 Rivers  
T. Queen  
T. Grayburg  
T. San Andres  
T. Glorieta  
T. Drinkard 6582 (-3094)  
T. Tubbs  
T. Abo  
T. Penn  
T. Miss

T. Devonian  
T. Silurian  
T. Montoya  
T. Simpson 7555 (-4067)  
T. McKee 7620 (-4132)  
T. Ellenburger 8046 (-4558)  
T. Gr. Wash  
T. Granite 8197 (-4709)  
T.  
T.  
T.  
T.  
T.

## Northwestern New Mexico

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.

(Please supply required information on reverse side of form)

Date first oil run to tanks or gas to pipe line: 7-11-51

Pipe line taking oil or gas: Shell Pipe Line

Remarks: New Completion.

Shell Oil Company  
Company or Operator

By: *Frank C. Overing*  
Signature

Position: Supt. Division Exploitation Engineer

Send communications regarding well to:

Name: Shell Oil Company

Address: Box 1457, Hobbs, New Mexico

APPROVED July - 18 .1951

OIL CONSERVATION COMMISSION

By: *Roy Garbrough*

Title: Asst. Insp.



## FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	6500	6500	No samples taken
6500	7009	509	Dolomite
7009	7555	546	Shale, lime & dolomite
7555	7620	65	Shale
7620	7985	365	Sand & shale
7985	8020	35	Sand
8020	8045	25	Brown dolomite
8045	8080	35	White lime
8080	8207	127	Gray dolomite
TD	8207	—	Granite
TOPS BY SCHLUMBERGER:			
Permian/Simpson Contact	7555	(-4067)	
McKee Sand	7620	(-4132)	
Connell Sand	7987	(-4499)	
Ellenburger Lime	8046	(-4556)	
Ellenburger dolomite	8081	(-4593)	
Granite	8197	(-4709)	
<u>DST #1:</u>	6249 - 6380' (Tubb Dolomite)		5/8" BC & 1" TC on 3 1/2" DS. Tool open 60 min. Fair blow of air throughout test. Recovered 135' (1 bbl.) drlg. fluid w/slight cut of condensate. FBHP 60 psi. 15 min. SIBHP 60 psi. HMH 3000 psi. <u>Positive Test.</u>
<u>DST #2</u>	6589 - 6718 (Drinkard Dolomite)		5/8" BC & 5/8" TC on 3 1/2" DS. Tool open 2 hrs. & 20 min. Strong blow immediately. Gas in 4 min., mud in 50 min., oil in 60 min. Cleaned to pits for 20 min. then flowed 20 bbls. oil in 1 hour. GOR 950. Gravity 37° API. FBHP 550 to 1000 to 575 psi. 15 min. SIBHP failed. HMH 3125 psi. <u>Positive Test.</u>
<u>DST #3:</u>	6718 - 6738 (Drinkard Dolomite)		5/8" BC & 1" TC on 3 1/2" DS. Tool open 90 min. Strong air blow immediately decreasing to weak blow @ end of test. Recovered 90' (0.67 bbls.) oil & gas cut mud having slight salty taste. No SIBHP or FBHP. HMH 3325 psi. <u>Positive Test.</u>
<u>DST #4:</u>	6739-6773 (Drinkard Dolomite)		5/8" BC & 1" TC on 3 1/2" DS. Tool open 60 min. Strong air blow immediately decreasing to weak blow @ end of test. Gas to surface while breaking surface connections. Recovered 90' (0.67 bbls.) drlg. fluid & 120' (0.87 bbls.) oil & gas cut mud having salty taste. FBHP 60 psi. 15 min. SIBHP 630 psi. HMH 3245 psi. <u>Positive Test.</u>