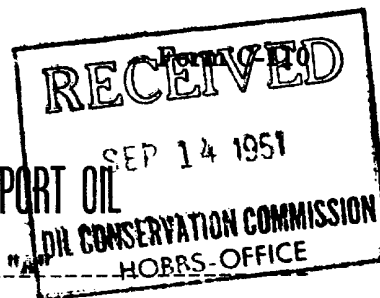


DUPLICATE

OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO



CERTIFICATE of COMPLIANCE and AUTHORIZATION to TRANSPORT OIL

Company or Operator Shell Oil Company Lease State "A"
Address Box 1457, Hobbs, New Mexico Box 1509, Midland, Texas
(Local or Field Office) (Principal Place of Business)
Unit P Wells No. 2 Sec. 34 T 14 S R 33 E Field Saunders County Lea
Kind of Lease State Location of Tanks Center SE 1/4 of Sec.
Transporter Service Pipe Line Company Address of Transporter Box 38, Denver City, Texas
(Local or Field Office)
Box 337, Midland, Texas Percent of oil to be transported 100% Other transporters author-
(Principal Place of Business)
ized 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 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 11th day of September, 195 51

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 11th day of September, 195 1

Notary Public in and for Lea County, New Mexico
My Commission Expires Sept. 16, 1954

Approved: Sept - 14 1951

OIL CONSERVATION COMMISSION

By Y. G. K. Garbrough
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

RECEIVED

SEP 14 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 (Certificate of Allowance 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

Place

September 10, 1951

Date

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

Shell Oil Company

Company or Operator

State "NM"

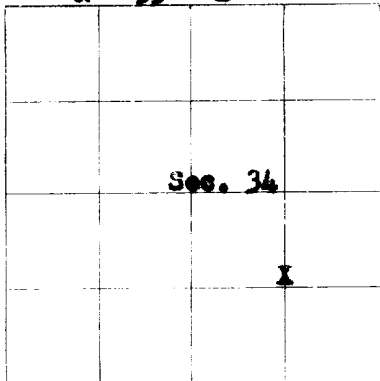
Lease

Well No. 2 in SE 1/4 SE 1/4

section 34, T. 14-S, R. 33-E, N.M.P.M. Saunders Pool Lea County

Please indicate location: Elevation 4203 DF Spudded 6-28-51 Completed 9-8-51

R - 33 - E



Total Depth 10,107 ~~DO NOT DOD~~ 9982'

Top Oil/ ~~DO NOT DOD~~ 9395' Top Water Pay -

Initial Production Test: Pump Flow 780 (ROPD ~~DO NOT DOD~~)

Based on 390 Bbls. Oil in 12 Hrs. Mins.

Method of Test (~~DO NOT DOD~~): Tanks

Size of choke in inches 1/2"

Tubing (Size) 2" @ 9971' Feet

Pressures: Tubing 500 psi Casing Packer

Gas/Oil Ratio 1457 Gravity 42.5°

Casing Perforations:

9878' - 9888' & 9896' - 9906'

Unit letter: P

Casing & Cementing Record

Size	Feet	Sax
13-3/8"	340	325
8-5/8"	4216	3300
5-1/2"	9986	813

Acid Record:

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

Shooting Record.

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

Natural Production Test: Pumping 780 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. Devonian	T. Ojo Alamo
T. Salt	T. Silurian	T. Kirtland-Fruitland
B. Salt	T. Montoya	T. Farmington
T. Yates	T. Simpson	T. Pictured Cliffs
T. 7 Rivers	T. McKee	T. Cliff House
T. Green	T. Ellenburger	T. Menefee
T. Grayburg	T. Gr. Wash	T. Point Lookout
T. San Andres	T. Granite	T. Mancos
T. Glorieta	T.	T. Dakota
T. Drinkard	T.	T. Morrison
T. Tubbs	T.	T. Penn
T. Abo 7835 (-3632')	T.	T.
T. Penn 9750 (-5547')	T.	T.
T. Miss	T.	T.

(Please supply required information on reverse side of form)

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

Pipe line taking oil or gas: Service Pipe Line Co.

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 - 14, 1951

OIL CONSERVATION COMMISSION

By: Mr. J. D. Savage

Title:

Oil & Gas Inspector

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	297	297	Caliche & Red Beds
297	490	193	Red Beds
490	1155	665	Red Beds & Anhydrite
1155	1515	360	Red Beds, Anhydrite & Shale
1515	1690	175	Anhydrite & Gypsum
1690	2505	815	Salt, Anhydrite, Shells
2505	2853	348	Anhydrite
2853	3002	149	Anhydrite & Gypsum
3002	3898	896	Anhydrite
3898	7880	3982	Dolomite
7880	8260	380	Shale
8260	8676	416	Dolomite & Shale
8676	9001	325	Lime & Shale
9001	9436	435	Lime
9436	10,107	671	Lime
		<u>10,107</u>	
<u>Tops by Schlumberger</u>			
Abo 7835 (-3632')			
Lower Permian Marker 9396 (-5193')			
Pennsylvanian 9750 (-5547')			
DST #1	9778 - 9822' (Penn. Lime)		Tool open 2 hrs. thru 5/8" BC & 1" TC on 3-1/2" DS. Immed. strong air blow. Gas to surface in 3 min. Mud in 5 min. oil in 9 min. Cleaned to pits 81 min. while attempting to gauge flow. In final 30 min. flowed 70 bbls. clean oil. Gravity 44° API Corr. GOR 1452. HMH 4850 psi, FBHP 2435 - 3240 psi, 30 min. SIBHP 3675 psi. No water recovered in drill stem. Positive test.
DST #2	9879 - 9902 (Penn. Lime)		Tool open 1 hr. 40 min. thru 5/8" BC & 1" TC on 3-1/2" DS. Gas in 2-1/2 min. mud in 6 min. oil in 8 min. Cleaned to pits. Then turned to tanks and flowed 75 bbls. 43° API oil in 75 min. GOR 1722. Reversed out, no water. HMH 4920 psi. FBHP 1825 - 2665 psi. 30 min. SIBHP 3172 psi. Positive test.
DST #3	9904 - 9952 (Penn. Lime)		Tool open 4 hrs. thru 5/8" BC, 1" TC and 3-1/2" DS. Gas in 20 min. Fair blow throughout test. Rec. 600' clean oil and 434' hvly. O&GCM, no water. FBHP 100 - 270 psi. 30 min. SIBHP 3170 psi. HMH 4920 psi. Positive test.
DST #4	9957 - 10,107 (Penn. Lime & Shale)		Tool open 1 hr. 30 min. thru 5/8" BC & 1" TC on 3-1/2" DS. Immed. moderate air blow. Rec. 720' (4.9 bbls.) mud & 3860' (270 bbls.) sulphur water. Int. FBHP 285 psi, final FBHP 1775 psi. 30 min. SIBHP 2325 psi, HMH 4770 psi. Positive test.