



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

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 - 18, 1951

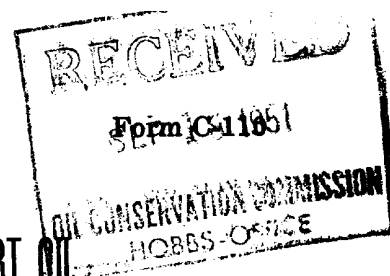
OIL CONSERVATION COMMISSION

By: Roy Parkhurst

Title: Oil & Gas Inspector

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 "V" Wells No. 2 Sec. 2 T. 21S R. 37E Field North Brunson County Lea  
Kind of Lease State Location of Tanks Center N/2 of SW/4 of Sec. 2  
Transporter Shell Pipe Line Address of Transporter Box 468, 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 9-7-51.

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 12th 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 12th day of September, 1951

Notary Public in and for Lea County, New Mexico

Approved: Sept-18 1951

OIL CONSERVATION COMMISSION

By Ray O. 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.

AREA 640 ACRES  
LOCATE WELL CORRECTLY

**Santa Fe, New Mexico**

**WELL RECORD**

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or nearest agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). **SUBMIT IN TRIPLICATE.**

Shell Oil Company State  
 Company or Operator Lease  
 Well No. 7 in SW/4 of Sec. 2, T. 21-S  
 R. 37-E, N. M. P. M., North Brunson Field, Lea County.  
 Well is 7260 feet south of the North line and 3300 feet west of the East line of Sec. 2, T-21-S, R-37-E.  
 If State land the oil and gas lease is No. B-9745 Assignment No. \_\_\_\_\_  
 If patented land the owner is \_\_\_\_\_, Address \_\_\_\_\_  
 If Government land the permittee is \_\_\_\_\_, Address \_\_\_\_\_  
 The Lessee is Shell Oil Company, Address Box 1457, Hobbs, New Mexico  
 Drilling commenced 7-13 19 51 Drilling was completed 8-31 19 51  
 Name of drilling contractor E. F. Moran, Inc., Address Hobbs, New Mexico  
 Elevation above sea level at top of casing 3461 feet.  
 The information given is to be kept confidential until Not confidential 19 \_\_\_\_\_.

## OIL SANDS OR ZONES

No. 1, from 7708 to 7847 No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ feet. \_\_\_\_\_

No. 2, from \_\_\_\_\_ to \_\_\_\_\_ feet. \_\_\_\_\_

No. 3, from \_\_\_\_\_ to \_\_\_\_\_ feet. \_\_\_\_\_

No. 4, from \_\_\_\_\_ to \_\_\_\_\_ feet. \_\_\_\_\_

### CASING RECORD

[illegible]

### MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17 1/4"	13 3/8"	225	250	Pump & plug		
11"	8 5/8"	3152	1950	Pump & plug		
7 7/8"	5 1/2"	7852	900	Pump & plug		

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth Set \_\_\_\_\_

Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

RECORD OF ~~SUBSEQUENT~~ CHEMICAL TREATMENT

<del>REF</del>	<del>STATION</del>	<del>WATER</del> CHEMICAL USED	QUANTITY	DATE	<del>WATER</del> DEPTH TREATED	DEPTH CLEANED OUT
		15% LST acid	500 gals.	9-6-51	7828-7844	

Results of shooting or chemical treatment After recovering hole load flowed 40 bbls. oil in  
2 hrs.

## RECORD OF DRILL-STEM AND SPECIAL TESTS See Reverse Side

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

## TOOLS USED

Rotary tools were used from 0 feet to 7854 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

## PRODUCTION

Put to producing 9-7 , 19 51

The production of the first 24 hours was 269.32 barrels of fluid of which 99.8 % was oil; — % emulsion; — % water; and 0.2 % sediment. Gravity, ~~Bx~~ 44.5° API

If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. \_\_\_\_\_

GOR 708

**EMPLOYEES :**

R. E. Lee, Driller J. O. Berry, Driller  
C. H. Huff, Driller

FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 12th  
day of September, 19 51  
Richard A. [Signature]  
Notary Public

Hobbs, New Mexico 9-12-51  
Place Date  
Name J. D. Savage J. D. Savage  
Position Division Exploitation Engineer  
Representing Shell Oil Company  
Company or Operator.  
Address Box 1457, Hobbs, New Mexico

My Commission expires ~~My Commission Expires~~ Sept. 16, 1954 ✓

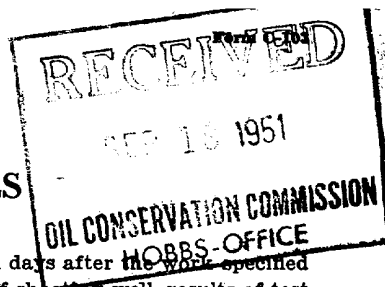
## FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
<b>SAMPLE LOG</b>			
0	6300	6300	No samples taken.
6300	6700	400	Dolomite
6700	6810	110	Dolomite & lime
6810	6910	100	Lime
6910	7475	565	Dolomite & lime
7475	7550	75	Dolomite, lime & shale
7550	7640	90	Sand, shale & lime
7640	7670	30	Brown lime, sand & shale
7670	7705	35	White lime
7705	7830	125	Tan dolomite
7830	7850	20	Dolomite & sand
7850	7854	4	Granite
TD	7854		
<b>TOPS BY SCHLUMBERGER:</b>			
Simpson		7552 (-4079)	
Connell Sand		7603 (-4130)	
Ellenburger Lime		7670 (-4197)	
Ellenburger Dolomite		7708 (-4235)	
Granite		7847 (-4374)	
<b>DST #1:</b>	6559-6703 (144' Drinkard Dolomite)		Tool open 2 hrs. thru 5/8" BC & 1" TC on 3 1/2" DS. Weak air blow increasing to good in 2 min. Gas in 2 min. Gas in 17 min., TSTM. Rec. est. 480' (3.41 bbls.) gas cut mud plus estimated 750' (5.33 bbls.) oil. FBHP 0 - 400 psi. 15 min. SIBHP 1100 psi. HMH 3250 psi. <u>Positive Test.</u>
<b>DST #2:</b>	6699-6743 (44' Drinkard Dolomite)		Tool open 2 hrs. thru 5/8" BC & 1" TC on 3 1/2" DS. Good blow air immediately. Gas in 11 min., TSTM. Rec. 180' (1.28 bbls.) heavily oil & gas cut mud plus 120' (0.85 bbls.) muddy salt water. FBHP 0 psi. 15 min. SIBHP 525 psi. HMH 3225 psi. <u>Positive Test.</u>
<b>DST #3:</b>	7217-7377 (160' Lower Permian Dolomite)		Tool open 3 hrs. thru 5/8" BC & 1" TC on 3 1/2" DS. Strong air blow immediately. Gas in 23 min. Good blow throughout test. Rec. 30' (0.22 bbls.) oil, 540' (4 bbls.) heavily oil & gas cut mud & 30' (0.22 bbls.) mud. FBHP 200 psi. 30 min. SIBHP 1275 psi. HMH 3650 psi. <u>Positive Test.</u>
<b>DST #4:</b>	7377-7490 (113' Lower Permian Dolomite & Lime)		Tool open 37 min. thru 5/8" BC & 1" TC on 3 1/2" DS. Immediate weak air blow, increased to fair within 15 min. Gas to surface in 28 min. Rec. 60' (0.44 bbls.) oil & gas cut mud plus 120' (0.88 bbls.) heavily oil & gas cut mud. FBHP 25 psi. 15 min. SIBHP 2100 psi. HMH 3750 psi. <u>Positive Test.</u>
<b>DST #5:</b>	7604-7675 (71' Connell Sand)		Tool open 1 1/2 hrs. thru 5/8" BC & 1" TC on 3 1/2" DS. Immediate strong air blow. Gas in 3 1/2 min. Mud in 9 min. Oil in 12 min. Cleaned to pits 3 min. Flowed 69.44 bbls. oil in 1 hour cut 0.2% mud & water. Gravity 44.5° API. GOR 892. FBHP 1675-2150 psi. 30 min. SIBHP 2850 psi. HMH 3925 psi. <u>Positive Test.</u>

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION

MISCELLANEOUS REPORTS ON WELLS



Submit this report in triplicate to the Oil Conservation Commission District Office within ten days after the work specified is completed. It should be signed and filed as a report on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL	X	REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

9-10-51

Date

Hobbs, New Mexico

Place

Following is a report on the work done and the results obtained under the heading noted above at the.....

Shell Oil Company

Company or Operator

State

Lease

Well No. 7 in the

SW/4

of Sec. 2

T. 21-S

R. 37-E, N. M. P. M.,

North Brunson

Pool

Lea

County.

The dates of this work were as follows:.....

9-7-51

Notice of intention to do the work was (~~37-10-51~~) submitted on Form C-102 on 9-7, 1951, and approval of the proposed plan was (~~37-10-51~~) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Treated through casing perforations from 7828 to 7844' w/500 gals. 15% LST acid. After recovering hole load flowed 40 bbls. oil in 2 hrs.

Witnessed by D. F. Jahns

Name

Shell Oil Company

Company

Head Roustabout

Title

APPROVED:

OIL CONSERVATION COMMISSION

Oil & Gas Inspector

Name

Title

SEP 18 1951

Date

I hereby swear or affirm that the information given above is true and correct.

Name

J. D. Savage

Position

Division Exploitation Engineer

Representing

Shell Oil Company

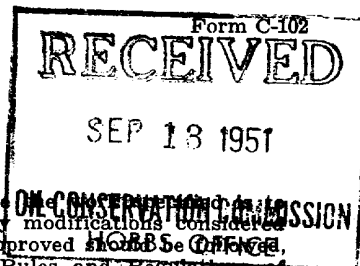
Company or Operator

Address

Box 1457, Hobbs, New Mexico

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO  
**MISCELLANEOUS NOTICES**



Submit this notice in triplicate to the Oil Conservation Commission or its proper agent before beginning work. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF		NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	<b>X</b>
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL		NOTICE OF INTENTION TO PLUG WELL	
NOTICE OF INTENTION TO DEEPEN WELL			

Hobbs, New Mexico

Place

9-7-51

Date

OIL CONSERVATION COMMISSION,  
Santa Fe, New Mexico

Gentlemen:

Following is a notice of intention to do certain work as described below at the

Shell Oil Company State Lea Well No. 7 in SW/4  
Company or Operator Lease  
of Sec. 2, T. 21-S, R. 37-E, N. M. P. M., North Brunson Field.  
Lea County.

**FULL DETAILS OF PROPOSED PLAN OF WORK**

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

We propose to treat through casing perforations from 7828 to 7844'  
w/500 gals. 15% LST acid.

Approved SEP 18 1951, 19\_\_\_\_\_  
except at follows:

Shell Oil Company  
Company or Operator  
By J. D. Savage *J. D. Savage*  
Position Division Exploitation Engineer  
Send communications regarding well to  
Name Shell Oil Company  
Address Box 1457, Hobbs, New Mexico

OIL CONSERVATION COMMISSION  
By Ray Yunkrough  
Title Oil & Gas Inspector

*used for*