



## FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
<b>SAMPLE LOG</b>			
0	6400	6400	No samples taken.
6400	6550	150	Dolomite
6550	7190	640	Dolomite & Lime
7190	7265	75	Dolomite & Chert
7265	7310	45	Dolomite, Chert & Shale
7310	7365	55	Dolomite, Lime & Sand
7365	7455	90	Dolomite, Lime & Shale
7455	7650	195	Dolomite, Lime, Shale & Sand
7650	7685	35	Dolomite, Shale & Sand
7685	8035	350	Dolomite, Lime, Shale & Sand
<b>TOPS BY SCHLUMBERGER</b>			
Glorieta		5120 (-1676)	
Clear Fork		5998 (-2154)	
Tubb A		6073 (-2629)	
Brinkard		6402 (-2958)	
Wichita		6685 (-3241)	
Simpson		7318 (-3874)	
McKee		7627 (-4183)	
Connell		7954 (-4510)	
Ellenburger Lime		8015 (-4571)	
<b>DST #1:</b>	6720-7035 (315' Wichita dolomite)		Tool open 110 min. thru 5/8" BC & 1" TC on 3 1/2" DS. Gas to surface in 50 min., TSTM. Recovered 390' (2.7 bbls.) gas out drilling mud. RMH 3200 psi. FBHP 0 psi. 30 min. SIBHP 475 psi. <u>Positive Test.</u>
<b>DST #2:</b>	7016-7230' (214' Wichita dolomite)		Tool open 140 min. thru 5/8" BC & 1" TC on 3 1/2" DS. Immediate strong air blow lasting throughout test. Gas to surface in 9 min., TSTM. Reversed recovery into tank. Gauged 30 bbls. fluid (approximately 25 bbls. oil out mud varying from 20 to 40% oil out & 5 bbls. clean sour oil). FBHP 500 psi. 20 min. SIBHP 1750 psi. RMH 3500 psi. <u>Positive Test.</u>
<b>DST #3:</b>	7230-7285 (55' Wichita dolomite & detrital)		Tool open 120 min. thru 5/8" BC & 1" TC on 3 1/2" DS. Fair air blow throughout test. Recovered 450' (3.15 bbls.) muddy gas out sulfur water & 720' (5.04 bbls.) gas out salty sulfur water. FBHP 0 to 500 psi. 30 min. SIBHP 1500 psi. RMH 3600 psi. <u>Positive Test.</u>

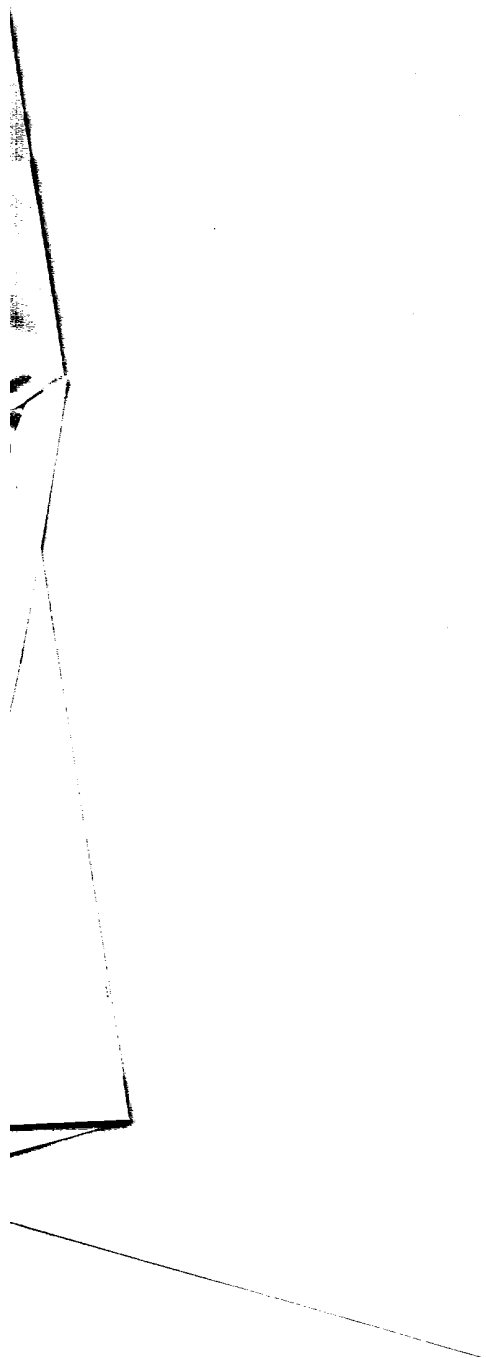


**LTR**



**Job separation sheet**

✓



DUPLICATE

OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

RECEIVED

Form C-104

FEB 29 1952

OIL CONSERVATION COMMISSION  
HOBBS OFFICE

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 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

2-27-52

Date

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

Shell Oil Company

Arco

Well No. 12

in SW

1/4

SW

1/4

Company or Operator

Lease

400' FSL & 550' FWL

section 15

T. 21-S

R. 37-E

N.M.P.M.

Here

Pool

Lee

County

Please indicate location:

R-37-E

Elevation 3444 BF

Spudded 12-14-51

Completed 2-16-52

Total Depth 8095

~~7444~~ DOD 8000

Top Oil/Gas Pay 7627

Top Water Pay

Initial Production Test: Pump

Flow 306.66

(BOPD ~~306.66~~)

Based on 306.66 Bbls. Oil in 24

Hrs.

Mins.

Method of Test

~~Flowmeter~~ ~~Pressure~~ ~~Separator~~

Tanks

Size of choke in inches

16/64"

Tubing (Size) 2 3/8"

@ 7996

Feet

Pressures: Tubing 715

Casing Pkr.

Gas/Oil Ratio 4048

Gravity 47° API

Casing Perforations:

7661-7973 (126 net feet)

Unit letter: \_\_\_\_\_

Casing & Cementing Record

Size	Feet	Sax
13 3/8"	227	250
8 5/8"	2882	1900
5 1/2"	8033	983
Liner		

Acid Record:

\_\_\_\_\_ Gals \_\_\_\_\_ to \_\_\_\_\_  
\_\_\_\_\_ Gals \_\_\_\_\_ to \_\_\_\_\_  
\_\_\_\_\_ Gals \_\_\_\_\_ to \_\_\_\_\_

Show of Oil, Gas and water

\_\_\_\_\_ S/ \_\_\_\_\_  
\_\_\_\_\_ S/ \_\_\_\_\_  
\_\_\_\_\_ S/ \_\_\_\_\_

Shooting Record.

\_\_\_\_\_ Qts \_\_\_\_\_ to \_\_\_\_\_  
\_\_\_\_\_ Qts \_\_\_\_\_ to \_\_\_\_\_  
\_\_\_\_\_ Qts \_\_\_\_\_ to \_\_\_\_\_

\_\_\_\_\_ S/ \_\_\_\_\_

\_\_\_\_\_ S/ \_\_\_\_\_

\_\_\_\_\_ S/ \_\_\_\_\_

\_\_\_\_\_ S/ \_\_\_\_\_

\_\_\_\_\_ S/ \_\_\_\_\_

Natural Production Test:

Pumping 306.66

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 5120 (-1676)  
T. Drinkard 6402 (-2958)  
T. Tubbs 6073 (-2629)  
T. Abo 6685 (-3241)  
T. Penn \_\_\_\_\_  
T. Miss \_\_\_\_\_

T. Devonian \_\_\_\_\_  
T. Silurian \_\_\_\_\_  
T. Montoya 7318 (-3874)  
T. Simpson 7627 (-4183)  
T. McKee 8015 (-4571)  
T. Ellenburger \_\_\_\_\_  
T. Gr. Wash \_\_\_\_\_  
T. Granite \_\_\_\_\_  
T. \_\_\_\_\_  
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. \_\_\_\_\_  
T. \_\_\_\_\_

(Please supply required information on reverse side of form)

Date first oil run to tanks or gas to pipe line: 2-16-52

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 1957, Hobbs, New Mexico

APPROVED 2 - 29, 1952

OIL CONSERVATION COMMISSION

By: Roy Yamborough

Title: \_\_\_\_\_