

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

(Form C-101)
(Revised 7/1/52)

REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well
Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form G-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. 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 psia at 60° Fahrenheit.

Hobbs, New Mexico

January 3, 1957

(Place)

(Date)

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

Shell Oil Company

State R

Well No. 4-A

in NE

1/4 SE

(Company or Operator)

(Lease)

I

Sec. 13

T. 21-S

R. -35-S

NMPM,

Summit

Pool

(Unit)

Lee

County. Date Spudded 11-27-56

Date Completed 1-1-57

Please indicate location:

			x

Elevation 3602 Total Depth 4065 P.B. 3927

Top oil/gas pay 3885 Name of Prod. Form Seven Rivers

Casing Perforations: 3885' - 3920'

Depth to Casing shoe of Prod. String 3929'

Natural Prod. Test - BOPD

based on - bbls. Oil in - Hrs. - Mins.

Test after acid or shot 49.80 BOPD

Based on 49.80 bbls. Oil in 24 Hrs. - Mins.

Gas Well Potential -

Size choke in inches 16-64"

Date first oil run to tanks or gas to Transmission system: 1-1-57

Transporter taking Oil or Gas: Shell Pipe Line

Section 13, Unit I

Casing and Cementing Record

Size Feet Sax

<u>8 5/8"</u>	<u>304</u>	<u>300</u>
<u>5 1/2"</u>	<u>3929</u>	<u>750</u>

Remarks: Spotted 500 gallons mud acid over perforations. Fractured down tubing & casing w/20,000 gallons gelled lease crude containing 1 1/2 gal. acid.

Request cancellation of allowable for State R-4. This is a replacement well for State R-4.

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved JAN 7 1957, 19

Shell Oil Company

(Company or Operator)

OIL CONSERVATION COMMISSION

By: E. Fischer

Title Engineer District 4

Original signed by B. Nevill
(Signature)

Title Division Exploitation Engineer
Send Communications regarding well to:

Name Shell Oil Company

Address Box 1957, Hobbs, New Mexico

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NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

AREA 640 ACRES
LOCATE WELL CORRECTLY

0001 01 000000

2440

(Company or Operator)

(Lease)

Well No. 4-1, in SE 1/4 of SE 1/4, of Sec. 13, T. -21-S, R. -35-E, NMPM.

SECRET

Pool.

100

County.

Well is 1650 feet from south line and 990 feet from east line

of Section 13 If State Land the Oil and Gas Lease No. is D-1167

Drilling Commenced November 27, 1956 Drilling was Completed December 11, 1956

Name of Drilling Contractor.....**O'Neal Drilling Company**.....

Address R. R. 1, Box 2, Midland, Texas

Elevation above sea level at Top of Tubing Head..... **3592** The information given is to be kept confidential until **not confidential**..... 19.....

OIL SANDS OR ZONES

No. 1, from 3885 to 3920 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

MUDDING AND CEMENTING RECORD

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

Spotted 500 gallons mud acid over perforations. Washed by perforations twice & reversed out. Fractured down tubing & casing w/20,000 gallons gelled lease crude containing 1#/gallon sand.

Result of Production Stimulation..... On GPT flowed 49.80 BOPD / 49.80 RV thru 16/64" choke.

PTP 750 est. Cr 870 est.

...Depth Cleaned Out.....7927'

B O R D OF D R I L L - S T E M A N D S P E C I A L T E S T

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 4065 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to 49 feet.

PRODUCTION

Put to Producing January 1, 19 57.

OIL WELL: The production during the first 24 hours was 99.60 barrels of liquid of which 50 % was oil; % was emulsion; 50 % water; and % was sediment. A.P.I. Gravity 24 deg. 1

GAS WELL: The production during the first 24 hours was M.C.F. plus barrels of liquid Hydrocarbon. Shut in Pressure lbs.

Length of Time Shut in

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 3620' (+320')	T. Simpson	T. Pictured Cliffs
T. 7 Rivers 3542' (+60')	T. McKee	T. Menefee
T. Queen 3941' (-329')	T. Ellenburger	T. Point Lookout
T. Grayburg	T. Gr. Wash.	T. Mancos
T. San Andres	T. Granite	T. Dakota
T. Glorieta	T.	T. Morrison
T. Drinkard	T.	T. Penn.
T. Tubbs	T.	T.
T. Abo	T.	T.
T. Penn.	T.	T.
T. Miss.	T.	T.

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	355	355	Surface Sands, Caliche, & Red Beds	DBT # 1:	3950' - 4065' (115')		Queen sand & dolomite). Pool open 2 hours 15 minutes thru 5/8" BG & 1" TC on 4 1/2" DS. Immediate fair flow lasting throughout test. GFS 1 hour 52 minutes. Flowed at rate TSTM. Recovered 645' (5.4 bbls.) salty sulfur water cont w/a very slight trace of oil. Water titrated 63,000 ppmCl ⁻ . FSIHP 160 - 290 psi. 30 minutes FSIHP 1255 psi. BWH 2285 - 2285 psi. Positive Test. (Johnston)
355	1546	691	Red Beds & Anhydrite	DBT # 2:	3940' - 3990' (50')		Queen sand & dolomite). Pool open 4 hours thru 5/8" BG & 1" TC on 4 1/2" DS. Immediate fair blow lasting throughout test. GFS 1 hour 50 minutes. TSTM. Recovered 460' (3.5 bbls.) salty sulfur water w/trace of oil. Water titrated 56,000 ppmCl ⁻ . FSIHP 130 - 245 psi. 60 minutes FSIHP 1210 psi. BWH 2325 - 2390 psi. Positive Test. (Johnston)
1546	3080	1534	Anhydrite & salt				
3080	3405	325	Anhydrite & Dolomite				
3405	3744	339	Dolomite				
3744	4065	321	Sandy Dolomite				
	TD	4065					

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

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.

January 3, 1957

(Date)

Company or Operator Shell Oil Company

Address Box 1057, Hobbs, New Mexico

Name B. Nevill Original signed by B. Nevill

Position or Title Division Exploitation Engineer