

OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

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 Compliance 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.

Jal, New Mexico
Place

May 20, 1952
Date

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

R. Olsen Woolworth Well No. 27-1 in SW 1/4 NE 1/4
Company or Operator Lease

section 27 T. 24S R. 36E N.M.P.M. Cooper-Jal Pool Lea County

Please indicate location: Elevation Not Available Spudded 6-6-51 Completed 5-1-52

Total Depth 3515 P.B. 3434
Top Oil/Gas Pay 3180 Top water Pay
Initial Production Test: Pump Flow 4-1/2 (BOPD) 8 bbls
Based on 94 Bbls. Oil in 21 1/4 Days Mins.
183 Bbls. water
Method of Test (Pitot, gauge, prover, meter run): gauge
Size of choke in inches 19/64
Tubing (Size) 2" 3430 Feet
Pressures: Tubing 120 Casing 400
Gas/Oil Ratio Gravity 27°
Casing Perforations:

Unit letter: G

none

Casing & Cementing Record

Size	Feet	Sax
8-5/8	297	200
5-1/2	3276	400
		2-Stage

Acid Record: Show of Oil, Gas and water
Gals to S/
Gals to S/
Gals to S/
Shooting Record. S/
5 Qts 3462 to 3465 S/ water - trace oil
348 Qts 3256 to 3430 S/ water - trace oil
Qts to S/
Hydrafraced 3180 - 3430 S/ 1500 gal. treatment
Natural Production Test: Pumping Flowing
Test after Pumping Flowing
Hydrafraced 3180 - 3430

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

Southeastern New Mexico

T. Anhy 1300
T. Salt
B. Salt
T. Yates 3262
T. 7 Rivers
T. Queen
T. Grayburg
T. San Andres
T. Glorieta
T. Drinkard
T. Tubbs
T. Abo
T. Penn
T. Miss

T. Devonian
T. Silurian
T. Montoya
T. Simpson
T. McKee
T. Ellenburger
T. Gr. Wash
T. Granite
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.

Date first oil run to tanks or gas to pipe line: May 1, 1952

Pipe line taking oil or gas: Well #111111

Remarks: Storage tanks are full 5-10-52. It is hereby requested
we be allowed to run this well in addition to the well already assigned.

R. ALLEN

Company or Operator

By: Henry Watson

Signature

Position: Geological Engineer

Send communications regarding well to:

Name: R. Olsen

Address: Drawer 'B' Gal, New Mexico

APPROVED

May 29, 1952

OIL CONSERVATION COMMISSION

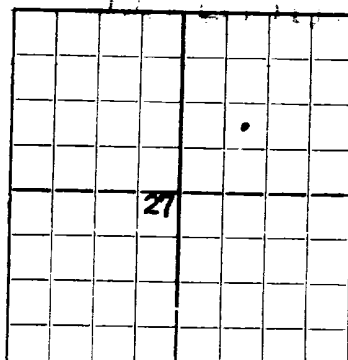
By: Ray G. Gentry

Title: Secretary

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

AREA 640 ACRES
LOCATE WELL CORRECTLY

Mall to Oil Conservation Commission, Santa Fe, New Mexico, or proper 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.

R. Olsen Woolworth
Company or Operator Lease
Well No. 27-1 in NE SW NE of Sec. 27, T. 24S
R. 36E, N. M. P. M., Cooper-Jal Field, Lea County.
Well is 1650 feet south of the North line and 1650 feet west of the East line of Sec. 27-24S-36E
If State land the oil and gas lease is No. _____ Assignment No. _____
If patented land the owner is C. D. Woolworth, Address Jal, New Mexico
If Government land the permittee is _____, Address _____
The Lessee is R. Olsen, Address Drawer 'Z' Jal, New Mexico
Drilling commenced 6-6-51 19____ Drilling was completed May 1, 1952
Name of drilling contractor R. Olsen, Address Drawer 'Z' Jal, New Mexico
Elevation above sea level at top of casing Not Available set.
The information given is to be kept confidential until _____ 19____.

OIL SANDS OR ZONES

No. 1, from 3262 to 3434 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

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED FROM	TO	PURPOSE
8-5/8	24#	8rd	Natl	297	HOWCO				Surface
5-1/2	15.5#	8rd	Natl	3276	HOWCO				Oil String

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
10-3/4	8-5/8	309	200			
7-7/8	5-1/2	3284	400 - 2 stage	200 at shoe	200 at 2 stage	tool set at 1400'

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth Set _____
Adapters—Material _____ Size _____

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
4-3/4"	3"	Nitro	5 qts	9-19-51	3462'-65'	3465'
4-3/4"	3"	Nitro	348 qts	9-28-51	3256'-3430'	3434'

Results of shooting or chemical treatment Hydrafrac Treatment 1500 gal. 4-4-52 3184 - 3434'No results on shotHydrafrac 4-1/2 bbls oil -- 8 bbls. water per day

RECORD OF DRILL-STEM AND SPECIAL TESTS

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 309 feet to 3515 feet, and from _____ feet to _____ feet.
Cable tools were used from 0 feet to 309 feet, and from _____ feet to _____ feet.

PRODUCTION

Put to producing May 1, 1952
The production of the first 24 hours was 12-1/2 barrels of fluid of which 29 % was oil; _____ % emulsion; 71 % water; and _____ % sediment. Gravity, Be. 270
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Marshall Driller Lynch Driller
Hamm Driller _____ 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 20thday of May, 1952

James A. Lister
Notary Public
My Comm. exp. June 1, 1955

My Commission expires _____

Jal, New Mexico May 20, 1952Name James WatsonPosition Geological EngineerRepresenting R. Olsen Company or Operator.Address Drawer 'Z' Jal, New Mexico

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
3050	3060	10	Salt
3060	3070	10	Salt, anhydrite
3070	3120	50	Anhydrite, sand
3120	3185	65	Brown lime, anhydrite, trace sand
3185	3210	25	Limestone
3210	3215	5	Limestone, loose sand, white sand
3215	3225	10	Limestone
3225	3235	10	Limestone, anhydrite, white sand
3235	3270	35	Dolomite
3270	3305	35	Dolomite, sand
3305	3315	10	Dolomite
3315	3320	5	Dolomite, sand
3320	3325	5	sand
3325	3360	35	Dolomite, sand
3360	3365	5	Dolomite & sand
3365	3370	5	Dolomite
3370	3380	10	Dolomite & sand
3380	3395	15	Dolomite
3395	3405	10	Dolomite & sand
3405	3425	20	Dol. limestone
3425	3456	31	Dol. & sand
3456	3461	5	Dol. core analysis
3461	3464	3	Sand
3464	3486	22	Dolomite
3486	3492	6	Gray shale
3492	3501	9	Dolomite
3501	3502	1	Gray shale
3502	3504	2	Dolomite
3504	3505	1	Shale
3505	3508	3	Dolomite
3508	3512	4	Shale
3512	3515	3	Dolomite
			TD
			<u>Geological Tops</u>
			Top Anhydrite 300'
			Top Yates 3262'