Form C-102

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 the work specified is to begin. 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.

RECEIVED
MAR 13 1952
OIL CONSERVATION COMMISSION
HOBBS, NEW MEXICO

Indicate nature of notice by checking below:

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

Midland, Texas — Place
March 12, 1952 — Date

OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

Gentlemen:

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

Jackson, Douglas & Ritchie — Company or Operator
Well No. 1 — Lease
State — in NE¼NW¼
of Sec. 27, T. 10-S, R. 32-E, N. M. P. M., unnamed Field.
Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK

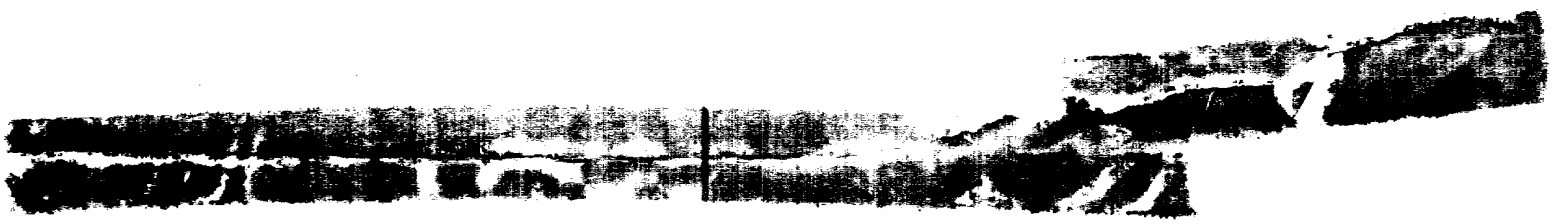
FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

Notice of intent to kill the well with water. Pull tubbing, set wire line retainer at 8474'. 8 sacks cement on top. Rerun tubbing with packer to be set at 8238'. Swab load water, acidize with 1000 gallons regular acid. Reacid with 10,000 gallons regular acid. Swab the well in.

Approved MAR 13 1952, 19
except at follows:

OIL CONSERVATION COMMISSION,
By Roy Yarbrough
Title

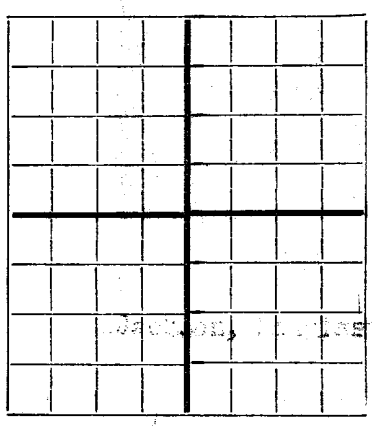
Jackson, Douglas & Ritchie
Company or Operator
By Robert C. Whitaker
Robert C. Whitaker
Position Partner
Send communications regarding well to
Name Jackson, Douglas & Ritchie
Address 116 Capitol Building
Midland, Texas



FORM C-105

DUPLICATE

N



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its 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. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

Jackson, Douglas & Ritchie (Company or Operator) Midland, Texas (Address)

State (Lease) Well No. 1 in NE of NW of Sec. 27, T 10-S

R 32-E, N. M. P. M., Wildcat Field, Lea County.

Well is 660 feet south of the North line and 660 feet west of the East line of Section 27.

If State land the oil and gas lease is No. B-11582 Assignment No.

If patented land the owner is , Address

If Government land the permittee is , Address

The Lessee is Vickers Petroleum Company, Address Roswell, New Mexico

Drilling commenced September 24, 1951. Drilling was completed February 4, 1952

Name of drilling contractor Big West Drilling Co., Address Fort Worth, Texas

Elevation above sea level at top of casing 4338 feet.

The information given is to be kept confidential until March 1, 1952

OIL SANDS OR ZONES

No. 1, from 8190 to 8240 No. 4, from to

No. 2, from 8387 to 8450 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	PERFORATED TO	PURPOSE
13-3/8"	54.5 lb.		J-55	390					Surface
9-5/8"	36 lb.		J-55	3468					Intermediate
5-1/2"	17 lb.		J-55	2200			8390	8450	Production
5-1/2"	17 lb.		N-80	6587					Production

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
	13-3/8"	390'	400	Circulated		
	9-5/8"	3468	2000	Circulated		
8-3/4	5-1/2"	8787	275	Pumped		

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
		Mud Acid	500	2-10-52	8610-40	Bottom
		Mud Acid	500	2-11-52	8500-58	Bottom
		Mud & Regular	4500	2-12-52	8390-8450	Bottom

Results of shooting or chemical treatment Flowing production from zone 8390 to 8450

RECORD OF DRILL-STEM AND SPECIAL TESTS

SEE ATTACHED REPORT

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 30' feet to 10,189 feet, and from feet to feet

Cable tools were used from surface feet to 30' feet, and from feet to feet

PRODUCTION

Put to producing February 16, 1952

The production of the first 24 hours was 310 barrels of fluid of which 97.5 % was oil; % emulsion; 2.5 % acid water; and % sediment. Gravity, Be 46.2

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas 953

Rock pressure, lbs. per sq. in. 2450

EMPLOYEES

William Walker, pusher Dave Gardner, Driller

John Munns, Driller Mr. Rodie, 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

day of , 19

Notary Public

My Commission expires

Midland, Texas (Place) Date

Name W. H. Jackson

Position Partner

Representing Jackson, Douglas & Ritchie (Company or Operator)

Address 116 Capitol Building

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
SURFACE	1553	1533	Surface and Red beds
1553	1592	39	Anhydrite
1592	2113	521	Salt
2113	2230	117	Red beds and Anhydrite
2230	2337	107	Yates sand
2337	2858	521	Red beds and Anhydrite
2858	2900	42	Red silty sand
2900	3429	529	Anhydrite
3429	4130	701	San Andres dolomite w/anhy. stringers.
4130	4660	530	San Andres lime
4660	5570	910	San Andres dolo. w/some lime stringers and some anhydrite with black and red shale-some red FG sand
5570	6000	430	Increase in lime
6000	6100	100	Red sand w/red shale and dolo.
6100	6220	120	Dolomite
6220	6540	320	Red sand increase
6540	6560	20	Oolitic tan dns FXLN dolomite
6560	6860	300	Tan dns dolo. w/dolo. inclusions
6860	7060	200	Increase in Red sand and Anhydrite
7060	7986	886	Red and green sticky shale grading into tan FXLN dolo. and brown FXLN dolo.
7986	8040	98	Tan to brown dolo. w/tan to mildy mottled chert. Some red shale? Slightly vugular in spots.
8084	8210	126	White to gray chalky LS-some CXLN.
8210	8330	120	Tan to dark br. LS some br. mottled chert partly ool. Rd. and gr. sh
8330	8470	140	White soft chalky limestone-some vugular, porous lime.
8470	8524	54	Siliceous, crypto-CXLN w/Pyrite.
8524	8720	196	Dark brown silty LS-dolo. LS-lime nodules Free fusalinids at 8610.
8720	8730	10	Numerous free fusalinids.
8730	8770	40	Large grained, angular, quartzitic sd.
8770	8870	100	Lime w/tan glassy chert-some ool.
8870	8930	60	Green shale-some sand-Glau. Pyr.
8930	8990	60	Br. silty dns Ls
8990	9030	40	FG-MG sand-Glau-drk. gr. sdy Ls.
9030	9470	440	Br. dns. FXLN ls-some red and green shale.
9470	9520	50	Br. to tan opaque ch. in Br. sil. ls.
9520	9585	65	Tan to grey ls: Some grey gummy ls & sh
9585	9690	105	Brown shale-Bl. carb. ls-Bl. to gr. opaque chert.
9690	9780	90	Bl. to Br. sh-Wh. LG to MG Glau. speckled sd.
9780	9790	10	Bl. to Blue Bl. opaque ch. embedded in Br. ls.
9790	9865	75	Tan to gr. ls.-Slicken sides-Br. sugary ls.
9865	9930	65	White trans. to op. chert-white chalky LS.
9930	10100	170	Br. FXLN Soft ls-some VFG gr. sd.
10100	10125	25	Bl. dull carb sh-micaceous sh-gr. limy Foss. sh.
10125	10139	64	White CXLN dolo: Cr. FXLN prv. dolo: Vugular-large crystals in vugs--very porous.

Drill stem tests taken on Jackson, Douglas & Ritchie #1 State, Lea County, New Mexico

10/25/51
TD 4131. DST 4046-4131. Open 1-1/2 hrs. light blow throughout, Rec'd. 450' slightly salty water, with scum of dead oil.

12/4/51
DST 7986-8059. Tool open 3 hrs. Slight blow throughout test. Rec'd. 40' slightly gas cut mud. Breaking tool down now.

12/7/51
100% limestone. Had show from 8198-8218, with trace of stain & fair to good oil cut. Bluish white florescent tracings to good porosity. Gas in the cuttings 26-24. R5. Mud 30-20. R5.

12/8/51
TD 8244 lime. Testing 8192-44. Tool open 8 A.M. Sat.

12/10/51
Tested from 8198-8244. Tools open 4 hrs. Gas to surface 1 hr, 45 mins. Steady flow throughout test. Tool shut in 15 mins. Rec'd. 100' oil & gas cut mud and 185' mud cut oil. Shut in pressure 450 lbs. Flowing Pressure too low to record. Hydrostatic head 4250.

12/11/51
8339-8410. Tool open 3 hrs. Gas in 27 mins., associated with slight spray of distilate. Gravity of distilate 56.5. Shut in for 15 mins. Recovery 100' slight oil and gas cut mud and 943' of mud cut oil. Grav. 45.2. Flowing Pressure 275 lbs. Shut in pressure 2225. Hydrostatic head 4325.

12/12/51
DST 8387-8438. Open 5 hrs. Gas in 16 mins. Rec'd 100' clean oil plus 1100' of mixed mud cut oil & clean oil. Grav. 45° corrected. Flowing Pressure 0-250 lbs. 15 minute shut in 2000 lbs. Hydrostatic head 4125 lbs. Plan to drill ahead.

12/16/51
DST 8525-8702. Open 4 hrs. Some gas to surface. Rec'd. 300' gas cut & slight oil cut mud. Flowing Pressure 0, 15 min. shut in pressure 445 lbs.

12/18/51
DST 8723-54. Open 3 hrs. Fair blow throughout. Rec'd. 30' heavy gas & slight oil cut mud. HP 4250. Flowing pressure 0, 15 min. shut in pressure 200 lbs.

12/31/51
Drilling 9404, 10% chert, 80% limestone, 10% shale. DST 9270-9322. Open 45 mins. Rec'd. 1130' WB, 150' gas cut mud. Packer failed.

1/31/52
DST 10139-189. Tool open 12 hrs. Rec'd. 2200' water blanket, 6350' slightly gas cut salt water.