

Santa Fe, New Mexico

NOTICE OF INTENTION TO DRILL

Notice must be given to the Oil Conservation Commission or its proper agent and approval obtained before drilling begins. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in triplicate. One copy will be returned following approval. See additional instructions in Rules and Regulations of the Commission.

Santa Fe, New Mexico.

Place

Dec. 14, 1946.

Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico,

Gentlemen:

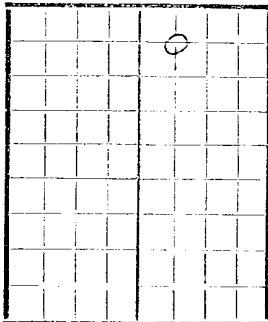
You are hereby notified that it is our intention to commence the drilling of a well to be known as

Leill Oil and Gas (002) Company. Harris Well No. 1 in center of Sec. 32, T. 11 N., R. 30 E., N. M., P. M., Manzano Field, Hanging County.

Company or Operator

Lease

of Sec. 32, T. 11 N., R. 30 E., N. M., P. M., Manzano Field, Hanging County.



AREA 640 ACRES

LOCATE WELL CORRECTLY

Spudger.

The well is 250 feet (N)-(S.) of the North line and 150 feet (E)-(W.) of the East line of Sec. 32

(Give location from section or other legal subdivision lines. Cross out wrong directions.)

If state land the oil and gas lease is No. _____ Assignment No. _____

If patented land the owner is W. V. Harris.

Address 925 Pennine Building, Oklahoma City, Oklahoma.

If government land the permittee is _____

Address _____

The lessee is _____

Address _____

We propose to drill well with drilling equipment as follows: Spudger

The status of a bond for this well in conformance with Rule 39 of the General Rules and Regulations of the Commission is as follows: _____

We propose to use the following strings of casing and to land or cement them as indicated:

Size of Hole	Size of Casing	Weight Per Foot	New or Second Hand	Depth	Landed or Cemented	Sacks Cement
15"	13"		Second Hand.	150'	Land.	
9"	7"		New.	450'	Land.	
7"	5"	14#	New.	850'	Cement.	10 sacks.

If changes in the above plan become advisable we will notify you before cementing or landing casing. We estimate that the first productive oil or gas sand should occur at a depth of about 850 feet.

Additional information:

Approved DEC 26 1946, 19____
except as follows:

Sincerely yours,

Leill Oil and Gas (002) Company.
Company or Operator

By Clyde B. Neill

Position Clyde B. Neill, President.

Send communications regarding well to

Name Clyde B. Neill

Address Santa Fe, New Mexico.

OIL CONSERVATION COMMISSION,

By R. R. Spurrer

Title Director

NEW MEXICO SCHOOL OF MINES
STATE BUREAU OF MINES AND MINERAL RESOURCES
SOCORRO, NEW MEXICO

WELL LOG DIVISION

COUNTY Harding
FIELD Dueyeros
COMPANY Neill Oil & Gas (CO₂) Co.
LEASE Harris Well No. 1
LOCATION (4) NE NE
SEC. 32 T. 21N R. 30E
660 feet from north line and
1980 feet from east line of Section
COMMENCED 12-27-46
COMPLETED 3-23-47
ABANDONED
REMARKS:

CASING RECORD		ELEVATION	FEET
Diam., in	Bottom		
15-1/2"	96'	Open	bbls. Oil
8"	450'	Open	3,000,000 CO ₂ cu. ft. Gas
7"	889'	Tbg.	bbls. Oil
		Tbg.	cu. ft. Gas

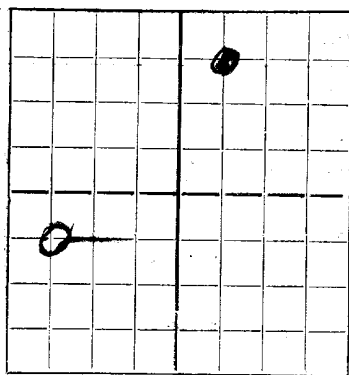
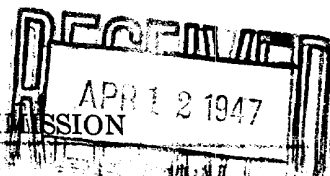
INITIAL DAILY PRODUCTION:

FORMATION	BOTTOM, FEET	FORMATION	BOTTOM, FEET
Top soil	10	Blue shale	816
Clay, black	20	Brown shale	850
Quick sand	25	Lime shell	861
Sand and red clay	29	Broken shale	867
Red clay	37	Lime shell	873
Red rock	47	Light blue shale	889
Red rock and lime	55	Blue shale and pyrites of iron	897
Lime	60	Pyrites of iron	905
Lime and red rock	65	Gray sand CO ₂ showing	910
Red rock	67	Gray sand CO ₂	915 T.D.
Lime	77		
Broken lime	87		
Broken lime and flint	95		
Lime	100		
Green shale	105		
Red clay	122		
Lime	128		
Clay, red	180		
Gray shale	225		
Red clay	245		
Red shale	270		
Red rock	285		
Blue shale	306		
Gray lime	311		
Red clay	315		
Red shale	409		
Brown shale	429		
Lime shell	431		
Brown shale	450		
Gray shale	485		
Brown shale	555		
Red shale	570		
Sandy shale	605		
Sandy shale, red	640		
Brown shale	660		
Lime shell	661		
Red shale	711		
Lime	730		
Blue shale	759		
Red rock	764		
Brown shale	766		

N.

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico


 AREA 640 ACRES
 LOCATE WELL CORRECTLY

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 TRIPPLICATE.

Neill Oil & Gas [CO₂] Co. Harris
 Company or Operator Lease
 Well No. 1 in NE 1/4 of Sec. 32, T. 21 N.
 R. 30 E., N. M. P. M., Buyers Field, Harding County.
 Well is 640 feet south of the North line and 640 feet west of the East line of NE 1/4 NE 1/4
 If State land the oil and gas lease is No. Assignment No.
 If patented land the owner is V. V. Harris Address 925 Fern Bldg
 If Government land the permittee is Address Glendon City
 The Lessee is Address City.
 Drilling commenced Dec 27 1946 Drilling was completed March 28 1947
 Name of drilling contractor Scott Drilling Co. Address Springer N. Mexico
 Elevation above sea level at top of casing feet.
 The information given is to be kept confidential until Sep. 1 1947.

OIL SANDS OR ZONES

No. 1, from 900-915 to surface 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 surface to 96 feet. 94'
 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
15 1/2				96'	steel			surface water shut off
8"		8'		450'	steel			casing
7"		8'		889'	1		cement	production 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
15 1/2		96'				
7"		889'	17			

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

Results of shooting or chemical treatment

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

PRODUCTION

Put to producing 19
 The production of the first 24 hours was barrels of fluid of which % was oil; % emulsion; % water; and % sediment. Gravity, Be.
 If gas well, cu. ft. per 24 hours 3,000,000 CO₂ Gallons gasoline per 1,000 cu. ft. of gas
 Rock pressure, lbs. per sq. in. 372

EMPLOYEES

C. H. Panissey Driller
 Scott Neill 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 31st

day of March 1947

Notary Public

My Commission expires 7-14-47

Place Date

Name Gladys B Neill

Position Pres.

 Representing Neill Oil & Gas [CO₂] Co. Company or Operator.

Address P.O. Box 273

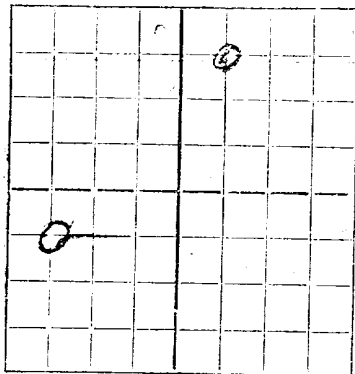
Springer N.M.

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	10	10	Top soil
10	20	10	Clay (black)
20	25	5	Quicksand
25	29	4	Sand and Red Clay
29	37	8	Red Clay
37	47	10	Red rock
47	55	8	Red rock and lime
55	60	5	Lime
60	65	5	Lime and red rock
65	67	2	Red rock
67	77	10	Lime
77	87	10	Broken lime
87	95	8	Broken lime and flint
95	100	5	Lime
100	105	5	Green shale
105	122	17	Red clay
122	128	6	Lime
128	180	52	Clay (red)
180	225	45	Grey shale
225	245	20	Red clay
245	270	25	Red shale
270	285	15	Red rock
285	306	21	Blue shale
306	311	5	Grey lime
311	315	4	Red clay
315	409	94	Red shale
409	429	20	Brown shale
429	431	2	Lime shell
431	450	19	Brown shale
450	485	35	Grey shale
485	555	70	Brown shale
555	570	15	Red shale
570	605	35	Sandy shale
605	640	35	Red shale
640	660	20	Brown shale
660	661	2	Lime shell
661	711	50	Red shale
711	730	19	Lime
730	759	29	Blue shale
759	764	5	Red rock
764	766	2	Lime shell
766	780	14	Brown shale
780	816	36	Blue shale
816	850	34	Brown shale
850	861	11	Lime shell
861	867	6	Broken shale
867	873	6	Lime shell
873	889	16	Light blue shale
889	897	8	Blue shale & Pyrites of Iron
897	905	8	Pyrites of Iron
905	910	5	Grey sand 002 showing
910	915	5	Grey sand 002.

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico


 AREA 640 ACRES
 LOCATE WELL CORRECTLY

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.

Neill Oil & Gas E. Co. Harris
 Company or Operator Lease
 Well No. 1 in NE NW of Sec. 32, T. 21 N.
30 E, N. M. P. M., Buñeros Field, Harding County.
 Well is 640 feet south of the North line and 640 feet west of the East line of NE 1/4 NE 1/4
 If State land the oil and gas lease is No. _____ Assignment No. _____
 If patented land the owner is V. V. Harris, Address 925 Fern Bldg
 If Government land the permittee is _____, Address Gilman St
 The Lessee is _____, Address Chk.
 Drilling commenced Dec 27 1946 Drilling was completed March 28 1947
 Name of drilling contractor Scott Drilling Co., Address Springer N. M. 4000
 Elevation above sea level at top of casing _____ feet.
 The information given is to be kept confidential until Sept 1 1957

OIL SANDS OR ZONES

No. 1, from 910-915 to See Data 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 Surface to 96' feet. 94'
 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
<u>1 1/2"</u>				<u>91'</u>	<u>Steel</u>			<u>Surface water shot off</u>
<u>8"</u>		<u>8'</u>		<u>430'</u>	<u>Steel</u>			<u>CMP</u>
<u>2"</u>		<u>8'</u>		<u>889'</u>	<u>1</u>	<u>Centrifugal</u>		<u>Friction string</u>

MUDDING AND CEMENTING RECORD

HOLE	CASING	WHERE SET	OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
15 1/2"		22'				
7"		889'	17			

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

Results of shooting or chemical treatment _____

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 _____ feet to _____ feet, and from _____ feet to _____ feet.

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

PRODUCTION

Put to producing _____ 19 _____

The production of the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, Be _____

If gas well, cu. ft. per 24 hours 3,000,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 35

EMPLOYEES

C. H. Ramsey Driller _____ Driller
Scott H. Neill 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 31st

day of March 19 47

R. D. Gathmann
Notary Public

My Commission expires 7-14-47

W. B. Neill 31-47
Place Date

Name W. B. Neill

Position Eng.

Representing Neill Oil & Gas Co.
Company or Operator.

Address P.O. Box 273

Springer, N.M.