RECEIVED

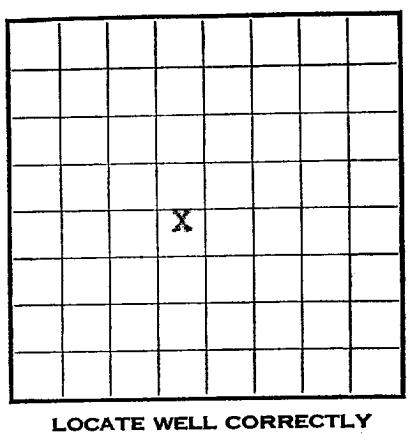
SEP 20 1960

O. C. C.
ARTESIA, OFFICE

Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. Land Office Las Cruces
Serial Number 069313
Lease or Permit to Prospect



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company The Darcy Corporation Address 4409 W. 17th St. Lubbock, Tex.

Lessor or Tract Field Undesignated State New Mexico

Well No. 1-Lillie Sec. 10 T. 16S R. 30E Meridian NMPM County Eddy

Location 2310 ft. {N.} of S Line and 2310 ft. {E.} of W Line of Section 10 Elevation 3831
{S.} {W.} (Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed Carl B. Mueller

Date September 15, 1960 Title Petroleum Engineer

The summary on this page is for the condition of the well at above date.

Commenced drilling May 23, 1960, 19.. Finished drilling July 2, 1960, 19..

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2385 to 2408 No. 4, from to

No. 2, from 2675 to 2685 (G) No. 5, from to

No. 3, from 3029 to 3030 No. 6, from to

IMPORTANT WATER SANDS

No. 1, from 2160 to 2180 No. 3, from to

No. 2, from to No. 4, from to

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
8 5/8"	24	8	Mid.	536	Baker				Surface
7"	20	8	Mid.	2196	Baker	2084			Prod. S.O.
4 1/2"	9.4	8	Mid.	2720	Baker	Sol	2657	2684	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	532	75 sacks	Two Plug	Water	
7"	2196	25 sacks	Two Plug	Water	
4 1/2	2715	65 sacks	Two Plug	Water	

FOLD | MARK

PLUGS AND ADAPTERS

Heaving plug—Material None Length Depth set

Adapters—Material Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
	Frac Treatment 8,800 gal. of water with 13,500 lbs. of 20/40 sand, preceded by 250 gals. of 15% Regular Acid.					

TOOLS USED

Rotary tools were used from feet to feet, and from feet to feet

Cable tools were used from Surface feet to 3030 feet, and from feet to feet

DATES

September 15, 19 60 Put to producing Est. Pipe line conn. by October 1, 19 60

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

If gas well, cu. ft. per 24 hours 806.6 Gallons gasoline per 1,000 cu. ft. of gas Dry Gas Unknown

Rock pressure, lbs. per sq. in. 618 Absolute Potential 460 MCFPD

EMPLOYEES

Tom Boyd Drilling Co., Driller , Driller

James E. Davis, Toolpusher Driller J.A. Greenwood, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	400	400	Red Beds
400	1055	655	Salt and Anhydrite
1055	2130	1075	Anhydrite
2130	2160	30	Sand
2160	2180	20	Red water sand
2180	2197	17	Anhydrite
2197	2228	31	Lime
2228	2840	612	Anhydrite, shale & lime stringers
2840	2880	40	Sand
2880	3030	150	Sandy hard lime with show of oil at 2[illegible]
			Top Queen 2130
			Top Penrose 2385
			Top Grayburg 2529
			Top Loco Hills 2[illegible]62
			Top Premier 2840
			Top San Andres 2678

FORMATION RECORD—Continued

[OVER]

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION

EMPLOYEES

Driller ..... Driller

Driller ..... Driller

Rock pressure lbs. per sq. in.

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

Gravity, °Bé. .....

Gravity, °A.P.I. .....

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

DATES

Ready to produce ..... 19..

The production for the first 24 hours was ..... barrels of fluid of which ..... % was oil; ..... %

emulsion; ..... % water; and ..... % sediment.

If gas well, cu. ft. per 24 hours .....

Rock pressure lbs. per sq. in. .....

EMPLOYEES

Driller ..... Driller

Driller ..... Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION

CASING RECORD

Size	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	To—	Purpose

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used

PLUGS AND ADAPTERS

Heaving plug—Material ..... Length ..... Depth set .....

Adapters—Material ..... Size .....

SHOOTING RECORD

Date	Shot from	Depth cleaned out	Quantity	Explosive used	Shell used	Size

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

DATES

Ready to produce ..... 19..

The production for the first 24 hours was ..... barrels of fluid of which ..... % was oil; ..... %

emulsion; ..... % water; and ..... % sediment. Gravity, °Bé. .....

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

Rock pressure lbs. per sq. in. .....

EMPLOYEES

Driller ..... Driller

Driller ..... Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION

CASING RECORD

Size	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	To—	Purpose

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used

PLUGS AND ADAPTERS

Heaving plug—Material ..... Length ..... Depth set .....

Adapters—Material ..... Size .....

SHOOTING RECORD

Date	Shot from	Depth cleaned out	Quantity	Explosive used	Shell used	Size

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

After drilling to a total depth of 2920' a radioactivity log was run. It was then decided to drill to 3030' and test the Lovington sand of the Paddock formation. This zone was found non-commercial. After a delay due to weather conditions, the well was plugged back to 2720' with pea-gravel and the oil string was run and set at 2715'. No log was run on the lower 110' of the hole. Prior to running the oil string, the 8 5/8" surface string was pulled, leaving 212' of cast iron in the hole from 1084' to 2120'. The cement in the oil string was drilled out to 2715' and the casing perforated 2687' to 2697' with 4 jets per foot. The perforations were then treated with 1,000 gal. of acid followed by 2,000 gal. of water and 1,500 lbs. of 20/40 sand. Treating pressures were max. 3400 psi, min. 2400 psi with an injection rate of 25.2 BPM. After a short swabbing period, the well flowed approximately 20 BO per hour. Flowing pressure was 1[illegible]

The summary on this page is for the condition of the well at above date.

Date ..... Title .....

Signed .....

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed .....

Title .....

Date .....

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed .....

Title .....

Date .....

Company ..... Address .....

Lease or Farm ..... Well No. ..... State .....

Elevation ..... County .....

Location ..... ft. from ..... line and ..... ft. from ..... line of ..... Sec. ..... T. ..... R. ..... Meridian

Elevation ..... (Derrick floor relative to sea level)

Date ..... Signature ..... Position .....

Date ..... Signature ..... Position .....

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

Lease or Permit to Prospect .....

Serial Number .....

U. S. LAND OFFICE .....

RECEIVED

Form 9-330

Budget Bureau No. 42-R356.4.
Approval expires 12-31-61.

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE