

NMJCC

Form 9-330

U. S. LAND OFFICE **MS 0937-A**
SERIAL NUMBER **Co. Lee. /207624**

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
JUN 20 1960

D. E. O.
ARTESIA, OFFICE

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Co. Lee. /207624** Address **Box 2547, Artesia, New Mexico**
Lessor or Tract **Co. Lee. /207624** Field **Undersaturated, Artesia, New Mexico**
Well No. **1** Sec. **14** T. **24** R. **22** Meridian **N** County **Adair**
Location **680** ft. **N.** of **S** line and **66** ft. **E.** of **W** line of **Section 24** Elevation **3300**
(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 **ARVIN D. EADY** Title **Geologist**
Date **June 20, 1960**

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

Commenced drilling **February 21**, 19**60** Finished drilling **May 15**, 19**60**
Plugged & Abandoned 5/18/60.

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from **11-3/4** to **6-5/8** No. 2, from **6-5/8** to **7**
No. 3, from **7** to **5-1/2** No. 4, from **5-1/2** to **5-1/8**
No. 5, from **5-1/8** to **5-1/4** No. 6, from **5-1/4** to **5-1/2**

IMPORTANT WATER SANDS

No. 1, from **11-3/4** to **6-5/8** No. 2, from **6-5/8** to **7**
No. 3, from **7** to **5-1/2** No. 4, from **5-1/2** to **5-1/8**

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
11-3/4	23.20	4	Lucas	6.00	Lucas	6.00			Combustor Pipe
7	23.20	4	Lucas	6.00	Lucas	6.00			Intermediate
5-1/2	23.20	4	Lucas	6.00	Lucas	6.00			Line

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
Comb. 11-3/4	40	40			
6-5/8	1294	275	Pump & Plug		
7	6577	50	Pump & Plug		
5-1/2	7529	75	Pump & Plug		

PLUGS AND ADAPTERS

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

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

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

Put to producing _____, 19____

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

Gravity, °Bé. _____

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
65	65	65	Lime
147	212	147	Anhydrite
48	240	48	Surface rock
1039	1499	1039	Dolomite
1560	1560	1560	Lime & shale
1575	1575	1575	Lime
1578	1578	1578	Lime & shale
1581	1581	1581	Lime & dolomite
1586	1586	1586	Lime & shale
1585	1585	1585	Lime & dolomite
1586	1586	1586	Lime, dolomite & shale
1581	1581	1581	Lime, shale & dolomite
1585	1585	1585	Lime & shale
1590	1590	1590	Dolomite, lime & shale
1585	1585	1585	Lime & shale
1586	1586	1586	Lime, dolomite & shale
1581	1581	1581	Lime & shale
1585	1585	1585	Lime, shale & dolomite
1586	1586	1586	Lime & dolomite
1581	1581	1581	Lime
1585	1585	1585	Dolomite
1586	1586	1586	Lime & Dolomite
1581	1581	1581	Dolomite
1585	1585	1585	Dolomite & lime
1586	1586	1586	Dolomite, lime & shale
1581	1581	1581	Dolomite, lime & shale

FEET	TO	TOTAL FEET	FORMATION
5189	5219	30	limp, dolomite, chert & shale
5219	5241	42	Cherty, dolomite & lime
5241	5259	148	Cherty & lime
5259	5286	29	lime & sand
5286	5318	104	lime & shale
5318	5347	45	limp, chert & chert
5347	5376	139	lime & shale
5376	5396	30	lime & sand
5396	5411	22	lime & sand
5411	5431	36	lime, shale & chert
5431	5457	43	lime, shale & chert
5457	5481	114	lime, shale & lime
5481	5508	48	lime & sand
5508	5531	222	lime
5531	5558	14	lime & lime
5558	5581	16	Cherty, lime & shale
5581	5603	22	lime & chert
5603	5623	90	lime, shale & chert
5623	5644	61	lime & shale
5644	5661	47	lime, shale, chert, dolomite
5661	5688	17	lime, dolomite & chert
5688	5708	15	dolomite
5708	5729	57	lime
5729	5750	21	lime & sand
5750	5771	56	lime & chert
5771	5796	47	lime, chert & dolomite
5796	5829	25	dolomite
5829	5850	101	lime
5850	5876	348	lime & dolomite
5876	5903	43	dolomite
5903	5929	30	lime
5929	5957	103	dolomite & lime
5957	5981	16	lime, dolomite & chert
5981	6008	33	Chert & dolomite
6008	6031	31	Chert, dolomite & lime
6031	6058	63	dolomite & chert
6058	6081	29	dolomite, lime & sand
6081	6103	34	lime
6103	6129	21	lime & dolomite
6129	6150	22	dolomite
6150	6177	94	lime & dolomite
6177	6208	92	dolomite
6208	6229	20	dolomite w/ trace chert
6229	7950 T.D.	121	dolomite

HISTORY OF OIL OR GAS WELL

16-42094-2

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This 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 "side tracked" 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.

Well was drilled to total depth of 6229' and found to be dry.

A 15" hole was spudded at 8:00 A.M., 2-21-60 with a rat hole rig (Wisco) & drilled to 27' where a 11-3/4" conductor pipe was set & cemented.

Rotary drilling rig was moved in & spudded 11" hole @ 6:00 P.M., 2-21-60.

Drilled with mud from surface to 260'. Lost returns @ 254'. Mixed lost circulation material. Rigged up to drill with air. Fished out 11-3/4" conductor pipe & reamed 15" hole to 12-1/2" hole. Cemented 11-3/4" conductor pipe with 40 sacks reg. neat cement.

Drilled with air from 260' to 1299' thru lost circulation zone. Set 1279' of 8-5/8" csg @ 1294' with 275 sacks 8 1/2 gal cement. Cement did not circulate. Cemented around bottom of conductor pipe & top of 8-5/8" csg with 12 sacks reg. neat cement.

Drilled with water from 8-5/8" csg to 3162'. Mixed up & drilled to 1692'. Fished out cone & continued drilling with mud. Lost circulation @ 1568'. Mixed mud & lost circulation material and regained circulation. Drilled with full returns to 6729' where circulation was lost. Mixed material for lost circulation & regained circulation. Drilled to 6770' and lost circulation. Spotted cement plug (100 sacks 4 1/2 gal, 1 1/2 gal, with 50# Gilsomite/sacks and 1/2 Floccal/sack), @ 6770'. Drilled cement to lost returns. Spotted plug #2 @ 6770' with 200 sacks 4 1/2 gal. Incer cement with 50# Gilsomite and 1/2 Floccal per sack.

Set plug #3 @ 6770' with 200 sacks Incer with 1 1/2 gal (50# Gilsomite & 1/2 Floccal/sack). Set plugs 4, 5 & 6 @ 6770' with total of 200 sacks cement.

Ran 6562' of 7" csg set @ 6577' with 50 sacks reg. neat cement. Top of cement @ 6304' by scatter gamma log. Drilled plug & lost returns. Drilled with air to 7946'. Ran 5-1/2" lime from 6304' to 7946' with 75 sacks reg. neat cement. Switched with air to T.D. of 7950'. Set cement plug 7450-7950 with 50 sacks reg. neat cement. Ran Gamma Ray Scatter (Schlumberger). Cut 7" csg @ 6000' and pulled 5987'.

Set plugs as following.

Plug #2	-	6200-5900	with 70 sacks reg cement
Plug #3	-	5500-5100	with 125 sacks reg cement
Plug #4	-	4700-4400	with 100 sacks reg cement
Plug #5	-	2850-2550	with 100 sacks reg cement
Plug #6	-	1350-1200	with 55 sacks reg cement
Plug #7	-	25'	- surface with 10 sacks reg cement

Well plugged and abandoned. Installed dry hole marker.

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