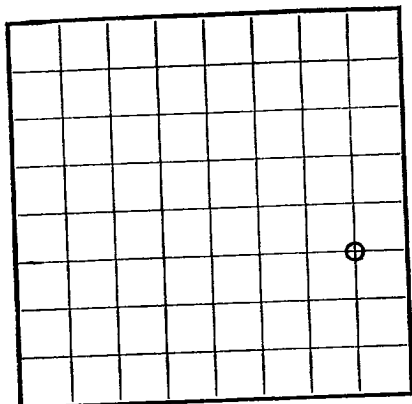


U. S. LAND OFFICE _____
SERIAL NUMBER **SF 078344 A**
LEASE OR PERMIT TO PROSPECT _____

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company The El Dorado Refining Co. Address 1020 Central Bldg. Wichita, Kansas
Lessor or Tract Atlas Field Undesignated State New Mexico
Well No. 1 Sec. 34 T. 25N R. 10W Meridian NMPM County San Juan
Location 1980 ft. N. of S Line and 660 ft. W. of E Line of Sec. 34 Elevation 6730 ft.
(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 Max S. Houston
Title Manager of Exploration
Date July 26, 1957

The summary on this page is for the condition of the well at above date.
Commenced drilling April 27, 1957 Finished drilling May 8, 1957
OIL OR GAS SANDS OR ZONES
No. 1, from 5323' to 5334' No. 4, from _____ to _____
No. 2, from 5350' to 5366' No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____
IMPORTANT WATER SANDS
No. 1, from _____ to _____ 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	But and pulled from	Perforated	Purpose	
							From	To	
8 5/8"	24#	8	J-55	311'	(Baker)				Surface
5 1/2"	15.5#	8	J-55	1550'					Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount cement used
8 5/8"	311'	200	(Pumped &)		
5 1/2"	5450'	200	(Circulated)		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth at _____
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 5450' feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing July 19, 1957
The production for the first 24 hours was 78.8 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, 28.6 API 41°
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Contractor Driller
Arapahoe Drilling Co. _____, Driller
_____, Driller

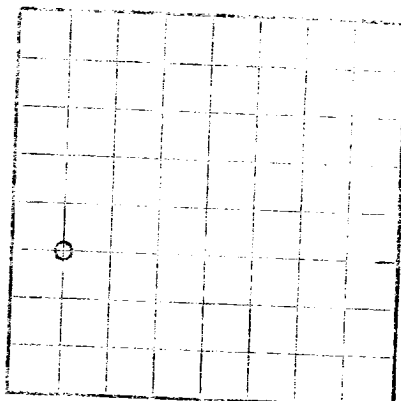
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	4506	4506	Sand and Shale
4506	4775	269	Shale
4775	4938	163	Sand and Shale
4938	5083	145	Shale
5083	5314	231	Sand and Shale
5314	5385	71	Sand
5385	5450	65	Sand and Shale

FORMATION TOPS (Induction Electrical Log)

Upper Cretaceous:	
Pictured Cliffs	1640' (+5093')
Lewis	1753' (+4980')
Point Lookout	4153' (+2580')
Mancos	4327' (+2406')
Gallup Pay	5321' (+1412')

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



DATE WELL CORRECTLY

Location 1930 at [] of S. Line and 1930 at [] of N. Line
 Well No. 1 Sec. 34 T. 25N R. 10W Meridian
 Lessor or Trust _____
 Company _____
 The El Dorado Refining Co.
 Address 1630 Central Bldg. Wichita, Kansas
 Field Investigated _____
 State _____
 County _____
 Sec. 34 T. 25N R. 10W Meridian
 Elevation 1273 ft.
 (Elevation above sea level)

The information in on herewith is a complete and correct record of the well and all work done thereon.
 Well is completed.
 No pumping oil into storage batteries.
 Pumped new oil at rate of 78.8 BOPD (physical potential), with 88.9% efficiency.
 The Manager of Exploration
 Date: May 26, 1957

A drill stem test was taken of the interval from 5315-5450'. Tool was open one hour. Initial, 80#; Final, 73#. Shutin pressure was 90% in 30 minutes. A Schlumberger 75" induction log was run from 322' to RTD. 52" casing was set at 5450' with 200 sa of cement, 4% gel. A temperature survey indicated the top of the cement to be at 44' 5323-5337' and with 64 holes from 5350-5366'. Gave Dowell sand-oil fracture treatment through perforations, as follows: 55,000 gal. to inject rubber balls. Swabbed and flowed the load. Bowlie reticulated with 45,000 gal. oil and 45,000# sand. Maximum pressure 2300#, minimum pressure 2150#, shutin pressure 827' in eleven minutes.

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 piers or bridges were put in to test for water, state kind of material used, position, and results of sampling or pumping of water.

Drilling operations commenced April 27, 1957. 12-1/4" hole was drilled to 312'. A core was taken from 5307' - 5386' (driller's RTD). 8 3/8" pipe was set at 311' with 200 sacks cement. A 7 1/8" hole was drilled from 312' - 5307'. A core was taken from 5307' - 5386'. A 7-7/8" hole was drilled from 5386' - 5450' (driller's RTD).

HISTORY OF OIL OR GAS WELL

Serial Number	Where Issued	Number each of cement	Method used	Kind of salt	Amount of cement used
1	SEALED	200	(Circulated)		
2	SEALED	200	(Turned 2)		

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PLIGS AND ADAPTERS

Adapters - Material	Size	Length	Depth
Heaving plug - Material			

ENCLOSURE RECORD

SHOJIING RECORD

[illegible]

TOOTS USED

The Commission for the first four years was \$70. Cable tools were used from July 1957 to present. Rotary tools were used from July 1957 to present. Cable tools were used from July 1957 to present. Rotary tools were used from July 1957 to present.

CORRECTION RECORD

TO	FROM
5480	5385
5385	5314
5314	5083
5083	4838
4838	4778
4778	4508
4508	0

5331: (+1412)
 4327: (+3407)
 4133: (+2507)
 1733: (+4933)
 1343: (+5033)

Gallup Hwy
 Hancock
 Point Lookout
 Lewis
 Flooded Cilia
 Upper Chesapeake:

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FORMATION RECORD—Continued

FORMATION

TOTAL FEET

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THE COMPANY