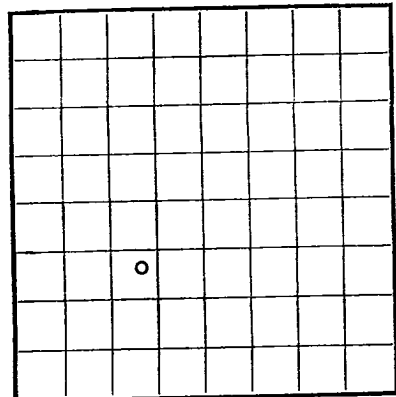


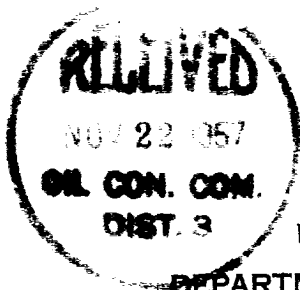
U. S. LAND OFFICE
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT

57 980594

Form 9-330



LOCATE WELL CORRECTLY



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Dorado Refining Co. Address 1020 Central Bldg., Wichita, Kansas
Lessor or Tract Belack Field South Blance State N. Mex.
Well No. 2 Sec. 1 T. 24N R. 6W Meridian NMPM County Rio Arriba
Location 2675 ft. N. of S. Line and 1340 ft. E. of W. Line of Sec. 1 Elevation 6604
(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

Date November 14, 1957 Title Manager of Exploration

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

Commenced drilling May 29, 1957 Finished drilling June 21, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2365 to 2470 No. 4, from _____ to _____
No. 2, from _____ to _____ 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

Casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8 5/8	26	8	J-33	198	(Baker)		(2378)	(2384)	
5 1/2	15.5	8	J-33	2515	(Flow-Pan)		(2406)	(2421)	Production
							(2428)	(2431)	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	198'	70	(Pumped &)		
5 1/2	2515'	100	(Circulated)		

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

_____, 19____ 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. _____

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

Rock pressure, lbs. per sq. in. 492,000
650

EMPLOYEES

_____, Driller _____, Driller
Benson-Montin-Greer, Contractor, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2515	2515	Shale, sand and coal
			Formation Top (Schlumberger)
			Pictured Cliffs 2365

[OVER]

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
0	3450	3450	
3450	3500	50	
3500	3550	50	
3550	3600	50	
3600	3650	50	
3650	3700	50	
3700	3750	50	
3750	3800	50	
3800	3850	50	
3850	3900	50	
3900	3950	50	
3950	4000	50	
4000	4050	50	
4050	4100	50	
4100	4150	50	
4150	4200	50	
4200	4250	50	
4250	4300	50	
4300	4350	50	
4350	4400	50	
4400	4450	50	
4450	4500	50	
4500	4550	50	
4550	4600	50	
4600	4650	50	
4650	4700	50	
4700	4750	50	
4750	4800	50	
4800	4850	50	
4850	4900	50	
4900	4950	50	
4950	5000	50	

HISTORY OF OIL OR GAS WELL

16-43004-2

U. S. GOVERNMENT PRINTING OFFICE

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.

Spudded May 29, 1957.

Completed 5 5/8" OD 240 J-55 surface casing at 108' (RKB) with 70 sacks cement, circulated to surface.

Drilled 7 7/8" hole to 2515' (RTD).

Run Schlumberger electrical log. Cemented 5 1/2" OD 13.54 J-55 production casing at 2515', with 100 sacks cement. Perforated casing 2406'-12" and 2428'-36". Fractured with 37,000 gallons water and 40,000 lbs. sand. Maximum pressure 3000# broke to 1500#. After the first 20,000 gallons were injected, 40 balls were added. Then the pressure went from 1500# to 2700# and broke to 1900#, then to 1800#. The input rate was 37.1 barrels per minute.

Swabbed lead water at the rate of 15 bbls. per hour, and flowed 167 MCFGPD. Swabbed 10 gal. of water per hour, and flowed 117.6 MCFGPD. Perforated casing 2378'-24" with 4 holes per foot. Fractured with 70,000 gallons water and 80,000 lbs. sand, flushed with 2500 gallons water. Dumped 80 rubber balls in five stages during treatment. Breakdown pressure 1400#, Treating pressure 1400#-1900#, average injection rate 37 barrels per minute. Shut in overnight. Swabbed lead water and flowed 71.4 MCFGPD.

Swabbed 50 gallons of lead water per hour and flowed 106.6 MCFGPD. Run 2424' of 1 1/2" external upset tubing. Landed at 2434' RKB. Laid 2" gas line. Set transmission to blow 30 minutes 4 times daily. Flowed 117.8 MCFGPD and swabbed 50 gallons of lead water per hour.

Co/ 260 NEV re 2. HYP

Shut in 7 days

Open flow test (Net final)

Calculated 220 MCFGPD

Run 1815'

Shut in

Physical Potential: Open flow 492,000 cu. ft. of gas per day.

Complete.

FOCALTE MERT CORRECTIOA

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

DIST 3
OIL CON. CON.
40155 1921

RECEIVED