

U. S. LAND OFFICE NM 031186
 FIELD NUMBER Co. #231629
 DELEGATE FIELD COLLECTOR H. H. E.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MAY 1961

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Humble Oil & Refining Company Address Box 2180, Houston
 Lessor or Tract Abo Chalk Bluff, Brown Unit Field Empire Abo State New Mexico
 Well No. 9 Sec. 9 T. 18 S. 27 E. Meridian NMPM County Eddy
 Location 2310 ft. N of N Line and 300 ft. E of W Line of Section 9 Elevation 3530 ft.
 (Check box relative to legal description)

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 _____
Date Mar. 20, 1960 Title Agent

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

Commenced drilling ----- April 14, 1960 ----- Finished drilling ----- May 5, 1960 -----

Completion Date: May 7, 1960

(Denote gas by G)

No. 1, from 5303 to 5666 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

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	1518	750	Pump & Plug	11.000	12.000
4-1/2	5665	800	Pump & Plug	11.000	12.000

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

----- May 20 -----, 19 60 Put to producing ----- May 7 -----, 19 60
The production for the first 24 hours was ----- barrels of fluid of which ----- % was oil; ----- %
emulsion; ----- % water; and ----- % sediment. 80 100
Gravity, °Bé. 11.0 -----

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

Rock pressure, lbs. per sq. in. -----

EMPLOYEES

Adam Locke	Driller	T. J. Grider	Driller
H. L. Beutler	Driller		Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	625	625	Redbed & Shale
625	1230	605	Anhydrite & Gyp
1230	1300	70	Anhydrite & Sand
1300	1433	133	Anhydrite & Gyp
1433	1523	90	Anhydrite
1523	1550	27	Anhydrite & Lime
1550	1705	155	Lime
1705	1816	111	Lime & Sand
1816	2148	332	Lime
2148	2305	157	Sand & Lime
2305	2576	271	Lime
2576	2701	125	Sand & Lime
2701	2959	258	Lime
2959	3120	161	Sand & Lime
3120	5206	2086	Lime
5206	5402	196	Lime & Shale
5402	5666-TD	264	Lime
			FORMATION TOPS:
			San Andres — 1520'
			Glorieta-Yeso — 2862'
			Abo — 5303'
FROM—	TO—	TOTAL FEET	FORMATION

LOVER1
FORNIA LION RECORD-CONSULTING

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
1000	1000	1000	limestone
950	1000	50	limestone
900	1000	100	limestone
850	1000	150	limestone
800	1000	200	limestone
750	1000	250	limestone
700	1000	300	limestone
650	1000	350	limestone
600	1000	400	limestone
550	1000	450	limestone
500	1000	500	limestone
450	1000	550	limestone
400	1000	600	limestone
350	1000	650	limestone
300	1000	700	limestone
250	1000	750	limestone
200	1000	800	limestone
150	1000	850	limestone
100	1000	900	limestone
50	1000	950	limestone
0	1000	1000	limestone

FORMATION RECORD

Driller

locks

Driller

Driller

Driller

Driller

Driller

Driller

Driller

Driller

Driller

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

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It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, logging, 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 "backtracked" 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.

The well was drilled to a total depth of 5661' with completion depth of 5639'.

Spudded 11" hole at 7:00 P.M. 4/14/60. Set 1502' 8-5/8" casing at 1518 with 750 sacks regular neat cement. Cement circulated.

Drilled with water from surface casing to 1505' and drilled to TD of 5666'. Finished drilling at 1:45 P.M., 5-5-60. Ran electric logs.

Set 5651' of 4 1/2" casing at 5665 with 800 sacks 12% gel cement. Ran temperature survey and found top of cement at 300'. Set 5266' 2-3/8" tub at 5279' with packer set at 5279'.

Swabbed well dry; satisfactory perforation with 6000 gallons 15% HCl acid with injection rate of 46 BPM. Swabbed well off.

On potential test; flowed 80 barrels oil in 11 hours on 12/64" choke.

Distribution

1 - Houston

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