

STATE OF NEW MEXICO
OFFICE OF STATE GEOLOGIST
SANTA FE, NEW MEXICO

INSPECTION REPORT

January 29, 1952

RAY OIL COMPANY

Hoover #1 NWSE
Sec. 30-11N-28E
Quay County

On January 26, I visited the above captioned well and obtained the following information: Total depth this date was 3255', 7" O. D. 23 lb. casing has been run inside the 8 5/8" O. D. cemented casing and is hanging free at 3087'. It is equipped with 7 5/8" casing shoe. The present program calls for a final depth of 3600'. Mr. E. D. Humphreys, the tool pusher, will notify this office when this depth is reached and of further plans, i. e., to plug and abandon, deepen, etc.

A report on the temperature survey run on January 8th, by Halliburton following the cementing job of January 7th, showed the top of cement to be at 2020' below the derrick floor. This assures ample sealing off of the water zone which commenced at approximately 2167'.

The driller's log for the interval 2457-3255' is as follows:

2457-2535	Red shale and siltstone
2535-2560	Sandy lime (show of water at 2545-2560, 2 bailers/hour)
2560-2600	Red shale (3 bailers water/hour)
2600-2625	Sandy shale
2625-2650	Brown shale
2650-2675	Reddish sandy shale
2675-2725	Brown and red shale
2725-2738	Red sandy shale
2738-2800	Brown shale
2800-2840	Red rock (siltstone) (Hole caving considerably)
2840-2915	Brown shale
2915-2930	Anhydrite
2930-2960	Shattered anhydrite and brown shale
2960-3045	Brown shale with trace of anhydrite
3045-3055	Black limestone, show of water (4 bailers/hour)

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3055-3060	Limestone and anhydrite
3060-3089	Limestone & shale with trace of anhydrite
3089-3100	Anhydrite, show of water (4 1/2 bailers water/hour)
3100-3110	Limestone
3110-3130	Shale with trace anhydrite
3130-3155	Green to grey limestone
3155-3180	Red shale
3180-3230	Sandy limestone with show of water (1 1/2 bailers/hour)
3230-3245	Sandy lime
3245-3255	Limestone

Drilling is progressing with 6 3/16" bits. Cuttings samples to above T.D. were collected and delivered to the Oil Conservation Commission.

Very truly yours,

Eugene A. Chavez

EUGENE A. CHAVEZ,
Geologist