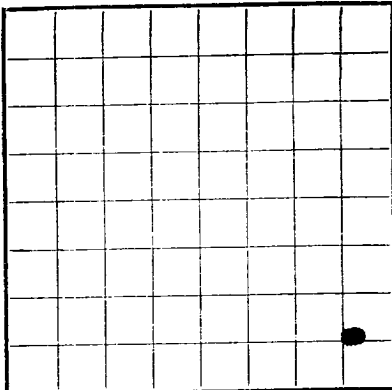


U. S. LAND OFFICE **Santa Fe, N.M.**
SERIAL NUMBER **LC 029389 A**
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Malco Refineries, Inc.** Address **Box 660, Roswell, New Mexico**
Lessor or Tract **Erwin Federal** Field **North Shugart** State **New Mexico**
Well No. **1** Sec. **9** T. **18S** R. **31E** Meridian **N.M.P.M.** County **Eddy**
Location **660** ft. **N** of **S** Line and **660** ft. **E** of **E** Line of **Section 9** Elevation **3711**
(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 **J. R. McMinn** Title **Drlg. and Prod. Supt.**
Date **March 14, 1958**

The summary on this page is for the condition of the well at above date.
Commenced drilling **February 14,** 19 **58** Finished drilling **March 2,** 19 **58**

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

No. 1, from **3929** to **3932** No. 4, from _____ to _____
No. 2, from **3937** to **3942** No. 5, from _____ to _____
No. 3, from **3979** to **3989** No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from **none known** 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	Cut and pulled from	Perforated		Purpose
							From—	To—	
10-3/4	32.75	8 rd.		20.7	belled		3929	3932	surface
5 1/2	4017	100					3932	3942	1 1/2 gals./ft.
							3942	3979	1 1/2 gals./ft.
							3979	3989	1 1/2 gals./ft.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	30'	1 1/2 yards ready mix	Dumped around pipe.		
5 1/2	4017	100	Pump and plug, 10.2#/gal. hole full		

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 **0** feet to **4032** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Spud February 14, 19 **58** Put to producing **March 7,** 19 **58**
The production for the first 24 hours was **45** barrels of fluid of which **90%** was oil; _____%
emulsion; **10** water; and _____% sediment. **41 B.O.P.D.** Gravity, °Bé. **32° A.P.I.**
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Harlan Johnson, Driller **J. F. McDonald**, Driller
Travis Smith, Driller **D. J. Patterson**, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	645'	645'	Red sand and shale, anhydrite and gypsum. Top Rustler Anhydrite 645'.
645	805	160	Anhydrite with sand stringers. Top Salt 805'.
805	1850	1045	Salt and Anhydrite. Base Salt 1850'.
1850	2060	210	Anhydrite with dolomite stringers. Top Yates 2060'
2060	4032	1972	Anhydrite and dolomite with sand stringers. Top Queen 3240' Top Grayburg 3733' Top pay 3929'

1. The first step in the process of identifying a problem is to define the problem. This involves identifying the symptoms of the problem and determining the scope of the problem. Once the problem has been defined, the next step is to identify the causes of the problem. This involves identifying the factors that are contributing to the problem and determining the underlying causes of the problem. Once the causes of the problem have been identified, the next step is to develop a plan to address the problem. This involves identifying the actions that need to be taken to address the problem and determining the resources that are needed to implement the plan. Once a plan has been developed, the next step is to implement the plan. This involves taking the actions that are outlined in the plan and monitoring the progress of the plan. Finally, the last step in the process is to evaluate the results of the plan. This involves determining whether the plan has been successful in addressing the problem and identifying any lessons learned from the process.

~~CONFIDENTIAL~~

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ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 08-28-2001 BY 60322 UCBAW/STP

1. The first part of the document is a letter from the author to the editor, dated 1964. It discusses the author's interest in the topic of the journal and the importance of the research presented in the article.

of shots. If plugs or bridges were put in to test for water, state kind of material used, position, size, position, and number of plugs or bridges. If the well has been dynamited, give date, size, position, and number of dynamite used, position, and results of pumping or hauling.

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 there were any changes made in the casing, state fully, and if any casing was

HISTORY OF OIL OR GAS WELL

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