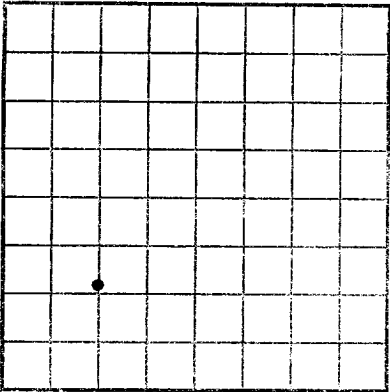




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JUN 3 1952
U. S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
JUN 4 1952
ARTESIA, NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Malco Refineries, Inc.** Address **Box 660, Roswell, New Mexico**
Lessor or Tract **Oliver Federal** Field **Wildcat** State **New Mexico**
Well No. **1** Sec. **14** T. **15** S. R. **28** E Meridian **N.M.P.M.** County **Chaves**
Location **660** ft. **N.** of **S** Line and **1980** ft. **E.** of **E** Line of **Sec. 14** Elevation **3711'**
(Barriok 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.

Date **5/26/52** Signed **Burton Veto** Title **Geological Engineer**

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

Commenced drilling **3/3**, 19**52** Finished drilling **5/18**, 19**52**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____ 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 **3156** to **3165** No. 3, from **3499** to **3522 TD**
No. 2, from **3220** to **3230** 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	40.5#	8	J-55	129.62'	Belled				Surface Casing
7"	20#	8	J-55	3250'	Baker	All recovered			Wire shut-off

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	134.87	30	Pump		
7"	3253			1.1	25 sack

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 **0** feet to **3522** 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. _____

EMPLOYEES

J. D. Agnew, Driller **W. F. Keith**, Driller
E. U. Call, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	45	45	Surface Sand
45	100	55	Anhydrite
100	150	50	Anhydrite and red beds
150	200	50	Anhydrite
200	545	345	Salt Top salt 200 B Salt 545
545	665	120	Anhydrite and salt
665	670	5	Salt
670	690	20	Anhydrite and salt
690	770	80	Anhydrite and sand (Top Yates 690) red fine sand with FOG.
770	850	80	Trace sand, anhydrite and red beds
850	915	65	Red beds and anhydrite
915	925	10	Anhydrite and sandy lime
925	1100	175	Anhydrite
1100	1200	100	Anhydrite with trace salt
1200	1300	100	Red fine sand, salt, trace red beds, and anhydrite
1300	1400	100	Trace salt, trace lime - Anhydrite
1400	1420	20	Anhydrite
1420	1435	15	Red beds, Anhydrite and lime
1435	1460	25	Sand (Red-white fine with FOG, trace anhydrite)
1460	1625	165	Red Beds and Anhydrite
1625	1750	125	Light red sand with FOG (Top Queen 1625)
1750	1820	70	With trace anhydrite

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.

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15-43024-1

HISTORY OF OIL OR GAS WELL

FROM-	TO-	TOTAL FEET	FORMATION
1820	1900	80	Light red sand and 3070-7070 anhydrite
1900	1955	55	Red bed and anhydrite
1955	1980	25	Anhydrite with stringer of dolomite
2000	2000	20	Anhydrite with red sand and stringers
2139	2139	139	Red sand, red beds, and anhydrite
2200	2200	61	Pink dolomite (Top San Andres 2139)
2300	2300	100	With anhydrite stringers
2400	2400	100	Gray dense dolomite with anhydrite
2500	2500	100	It gray dense dolomite with anhydrite st.
2600	2620	20	Gray dense dolomite with trace anhydrite
2700	2700	120	Dark gray finely xln dolomite with trace anhydrite
2750	2750	50	anhydrite
2800	2800	50	Light gray dense dolomite
2900	2900	50	Light gray dense dolomite
3000	3000	80	Gray fine xln dolomite
3100	3100	100	Gray-brown xln dolomite with trace chert
3125	3125	100	Gray-brown xln dolomite with asphalt stain
3156	3156	25	Same as above
3165	3165	31	Brown xln dolomite with asphalt stain
3220	3220	9	Dark gray xln dolomite carrying sulphur wt.
3230	3230	55	Light gray xln dolomite
3300	3300	10	Light gray xln dolomite carrying sulphur wt.
3380	3380	70	Light gray to gray dense lime
3400	3400	80	Gray-black lime
3499	3499	80	Gray lime with trace black chert
3522	3522	99	Gray fine xln. lime
3699	3699	23	White med-coarse grain sand.
3700	3700	99	Carrying sul. water, Top Glorieta
3899	3899	3099	3899. Total depth 3522.

This well was spudded 3:00 PM 3/3/52. A 12 $\frac{1}{2}$ " hole was drilled to 2191' and no fluid or gas was encountered. A 10" hole was drilled to 1301' and plugged back with 6 sack of calseal at 136.5' and ran 10 3/4", 40.5#/1", J-55, 8 rd. casing to 1351'. Cemented with 30 sack regular cement. The 10 3/4" casing was set as blow-out protection against gas which was not encountered. 10" hole was then drilled to 1651' where it was reduced to an 8" hole. Drilled to 3197' and ran 3197' of 7" J-55, 8 rd. and 80# casing and mudded same with 25 sack aqua-gel by plug method for a water shut-off. Reduced hole to 6 3/8" drilled to 3220' where new water zone was encountered, underreamed 6 3/8" hole to 8" to 3253'. Lowered 7" to 3253' with water shut off. Drilled 6 3/8" hole to 3522' (TD) where water and no show was encountered in the Glorieta sand formation. Recovered all 7" casing, leaving 10 3/4" casing cemented. Loaded hole with 50 sack aqua-gel, placed 8 sack regular cement plug on bottom 31821'-35221', placed 12 sack regular cement plug 3135-751' and 10 sack cement surface plug with 1/4" marker inside 10 3/4" surface casing. Well was abandoned 5/22/52.