

LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Mobile Oil & Refining Company** Address **Box 2347, Hobbs, New Mexico**  
Lessor or Tract **Marathon Oil Unit No. 1** Field **Wildcat** State **New Mexico**  
Well No. **3** Sec. **22** T. **24.2** R. **22E** Meridian **County** **Lea**  
Location **3240** ft. of **3** Line and **1300** ft. of **W** Line of **Sec 22** Elevation **5624**  

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 **R. R. ALWORTH**

Date **April 29, 1959** Title **Agent**

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

Commenced drilling **November 15, 1958** Finished drilling **March 16, 1959**

OIL OR GAS SANDS OR ZONES			
(Denote gas by G)			
No. 1, from	5940	No. 4, from	2000 to 2100
No. 2, from	5940 to 5950	No. 5, from	5950 to 5960
No. 3, from	5950 to 5960	No. 6, from	5960 to 5970
IMPORTANT WATER SANDS			
No. 1, from	625 to 700	No. 3, from	2780 to 3100
No. 2, from	2700 to 2710	No. 4, from	2710 to 2720

CASING RECORD									
Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
13-5/8"	124	8	Union	710'	Baker	Surface			Surface
9-5/8"	86	8	Union	1779	Larkin	Intermediate			Intermediate

MUDDING AND CEMENTING RECORD					
Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8"	750'	550	Halliburton	-	-
9-5/8"	1798	350	Halliburton	-	-

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 8670 feet, and from feet to feet

Cable tools were used from feet to feet, and from feet to feet

DATES

Put to producing **dry hole**

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

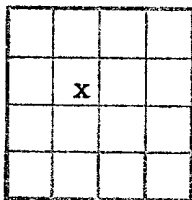
Rock pressure, lbs. per sq. in.

EMPLOYEES

**R. E. Cain**, Driller **E. A. Cox**, Driller

**Joe Garlie**, Driller

FORMATION RECORD			
FROM—	TO—	TOTAL FEET	FORMATION
0	1100	1100	Sandstone & Dolomite
1100	1690	590	Limestone, Shale & Chert
1690	4670	2980	Dolomite, Sandstone & Shale
4670	4780	110	Limestone & Dolomite
4780	4830	50	Shale
4830	5040	210	Dolomite
5040	6200	1160	Limestone, Shale & Chert
6200	6700	500	Shale & Sandstone
6700	6955	255	Limestone & Chert
6955	7028	73	Shale
7028	7140	112	Limestone
7140	8080	940	Dolomite
8080	8150	70	Sandstone, Shale & Dolomite
8150	8610	460	Dolomite
8610	8670	60	Limestone & Dolomite
Total Depth 8670'			



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYLAND OFFICE \_\_\_\_\_  
LEASE NO. LC-066046-C  
UNIT "F"

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	Subsequent report of plugging back
	DST and plugging

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

HUAPACHE OIL UNIT NO. 1April 10, 1959

WELL NO. 3 IS LOCATED 2040 FT. FROM {N} LINE AND 1980 FT. FROM {E} LINE OF SEC. 22  
SE/4 of NW/4 of Sec 22 24-S 22-E  
(1/4 SEC. AND SEC. NO.) (TWP.) (RANGE) (MERIDIAN)  
Wildcat Eddy New Mexico  
(FIELD) (COUNTY OR SUBDIVISION) (STATE OR TERRITORY)

THE ELEVATION OF THE DERRICK FLOOR ABOVE SEA LEVEL IS 5624 FT.

## DETAILS OF WORK

(STATE NAMES OF AND EXPECTED DEPTHS TO OBJECTIVE SANDS; SHOW SIZES, WEIGHTS, AND LENGTHS OF PROPOSED CASINGS (INDICATE MUDDING LOGS, ORIENTING POINTS, AND ALL OTHER IMPORTANT PROPOSED WORK.)

Set cement plug from 8240 to 8040 w/75 sacks. DST from 3030 to 2965', 1" top and 5/8" bottom choke. Tool Open 4 hours, fair blow throughout test, rec 660' drlg mud, 240' water cut drlg mud and 1380' fresh water. DST from 2852 to 2787', 1" top and 5/8" bottom choke. Tool Open 8 hours and 5 min, rec 210' or 2.98 bbls water cut drlg mud and 1680' or 23.80 bbls water. Max flow 931#, Build up after 30 min 963#. Set cement plug from 3350 to 3173' w/75 sacks cement, dressed off cement plug to 3177'. Set cement plug from 3150' to 2650' with 250 sacks cement. Perforated 9-5/8" csg from 1228 to 1260' with 2 bullets per ft. Acidized perf from 1228 to 1260' with 2000 gals acid, final pressure 400#, inj rate 5.3 BPM, swabbed well dry. Fraced perforations from 1228 - 1260' with 10,000 gals refined oil and 30,000# sand, avg inj rate 33 bbls per min at 100#, breakdown pressure 800#. Swabbed load oil at rate of 1/2 bbl per hour no gas. Set cement plug from 1270' to 1208' with 25 sacks cement. Set cement plug from 25' to 0 with 10 sacks. Welded 13-3/8"x2" swage with valve on 13-3/8" csg. Placed marker over well as required by NMOUC. Well plugged and abandoned 4-3-59.

Casing left in hole:

13-3/8" 48# H-40 csg 730'  
9-5/8" 36# J-55 csg 1779'

Clean up of location in progress.

I UNDERSTAND THAT THIS PLAN OF WORK MUST RECEIVE APPROVAL IN WRITING BY THE GEOLOGICAL SURVEY BEFORE OPERATIONS MAY BE COMMENCED.

COMPANY Humble Oil & Refining CompanyADDRESS Box 2347,Hobbs, N.M.By R. R. ALWORTHTITLE Agent

Orig & 2cc: USGS, Artesia, NM, cc: NMOCC, Artesia, NM, cc: Division Office, Midland,  
cc: Mr. Bybee Midland, cc: Mr. D. C. Fransen, Houston, cc: Mr. S. F. Holmesly, Houston