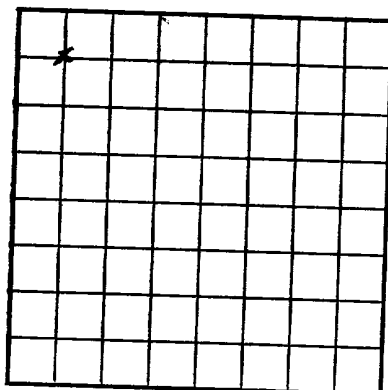


U. S. LAND OFFICE
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Enable Oil & Refining Company Address Box 2180, Houston, Texas
Lessor or Tract Federal Common Field Cottonwood Wildcat New Mexico
Well No. 1 Sec. 30 T. 18 R. 22 Meridian N.M.P.M. County Chaves
Location 660 (N) 25 f (S) 1 Line and 660 (E) 25 f (W) of 1 Line of Section 20 Elevation 4168
(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 [Signature] Title Asst. Division Superintendent

Date December 15, 1948

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

Commenced drilling September 11, 1948 Finished drilling November 26, 1948

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

No. 1, from None 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 None 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"	103.5	8	Halliburton	500	None	0			Intermediate strings
7-5/8"	52.0	8	Halliburton	750	None	0			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	1035.00	500	Halliburton	9.8	265,600 pounds
7-5/8"	5205.00	750	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
	None					

TOOLS USED

Rotary tools were used from 0 feet to 5849 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

 , 19 Put to producing Dry Hole, 19
The production for the first 24 hours was None 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

C. L. Riggley, Driller W. E. Prohler, Driller
T. R. Baxton, Driller L. Spraberry, Driller

FORMATION RECORD

Depth	Formation	Depth	Formation
0	Surface	5849	Top of bedrock and shale
10	Gravelly sand and silt	5850	Gravelly sand and silt
20	Gravelly sand and silt	5851	Gravelly sand and silt
30	Gravelly sand and silt	5852	Gravelly sand and silt
40	Gravelly sand and silt	5853	Gravelly sand and silt
50	Gravelly sand and silt	5854	Gravelly sand and silt
60	Gravelly sand and silt	5855	Gravelly sand and silt
70	Gravelly sand and silt	5856	Gravelly sand and silt
80	Gravelly sand and silt	5857	Gravelly sand and silt
90	Gravelly sand and silt	5858	Gravelly sand and silt
100	Gravelly sand and silt	5859	Gravelly sand and silt
110	Gravelly sand and silt	5860	Gravelly sand and silt
120	Gravelly sand and silt	5861	Gravelly sand and silt
130	Gravelly sand and silt	5862	Gravelly sand and silt
140	Gravelly sand and silt	5863	Gravelly sand and silt
150	Gravelly sand and silt	5864	Gravelly sand and silt
160	Gravelly sand and silt	5865	Gravelly sand and silt
170	Gravelly sand and silt	5866	Gravelly sand and silt
180	Gravelly sand and silt	5867	Gravelly sand and silt
190	Gravelly sand and silt	5868	Gravelly sand and silt
200	Gravelly sand and silt	5869	Gravelly sand and silt
210	Gravelly sand and silt	5870	Gravelly sand and silt
220	Gravelly sand and silt	5871	Gravelly sand and silt
230	Gravelly sand and silt	5872	Gravelly sand and silt
240	Gravelly sand and silt	5873	Gravelly sand and silt
250	Gravelly sand and silt	5874	Gravelly sand and silt
260	Gravelly sand and silt	5875	Gravelly sand and silt
270	Gravelly sand and silt	5876	Gravelly sand and silt
280	Gravelly sand and silt	5877	Gravelly sand and silt
290	Gravelly sand and silt	5878	Gravelly sand and silt
300	Gravelly sand and silt	5879	Gravelly sand and silt
310	Gravelly sand and silt	5880	Gravelly sand and silt
320	Gravelly sand and silt	5881	Gravelly sand and silt
330	Gravelly sand and silt	5882	Gravelly sand and silt
340	Gravelly sand and silt	5883	Gravelly sand and silt
350	Gravelly sand and silt	5884	Gravelly sand and silt
360	Gravelly sand and silt	5885	Gravelly sand and silt
370	Gravelly sand and silt	5886	Gravelly sand and silt
380	Gravelly sand and silt	5887	Gravelly sand and silt
390	Gravelly sand and silt	5888	Gravelly sand and silt
400	Gravelly sand and silt	5889	Gravelly sand and silt
410	Gravelly sand and silt	5890	Gravelly sand and silt
420	Gravelly sand and silt	5891	Gravelly sand and silt
430	Gravelly sand and silt	5892	Gravelly sand and silt
440	Gravelly sand and silt	5893	Gravelly sand and silt
450	Gravelly sand and silt	5894	Gravelly sand and silt
460	Gravelly sand and silt	5895	Gravelly sand and silt
470	Gravelly sand and silt	5896	Gravelly sand and silt
480	Gravelly sand and silt	5897	Gravelly sand and silt
490	Gravelly sand and silt	5898	Gravelly sand and silt
500	Gravelly sand and silt	5899	Gravelly sand and silt
510	Gravelly sand and silt	5900	Gravelly sand and silt
520	Gravelly sand and silt	5901	Gravelly sand and silt
530	Gravelly sand and silt	5902	Gravelly sand and silt
540	Gravelly sand and silt	5903	Gravelly sand and silt
550	Gravelly sand and silt	5904	Gravelly sand and silt
560	Gravelly sand and silt	5905	Gravelly sand and silt
570	Gravelly sand and silt	5906	Gravelly sand and silt
580	Gravelly sand and silt	5907	Gravelly sand and silt
590	Gravelly sand and silt	5908	Gravelly sand and silt
600	Gravelly sand and silt	5909	Gravelly sand and silt
610	Gravelly sand and silt	5910	Gravelly sand and silt
620	Gravelly sand and silt	5911	Gravelly sand and silt
630	Gravelly sand and silt	5912	Gravelly sand and silt
640	Gravelly sand and silt	5913	Gravelly sand and silt
650	Gravelly sand and silt	5914	Gravelly sand and silt
660	Gravelly sand and silt	5915	Gravelly sand and silt
670	Gravelly sand and silt	5916	Gravelly sand and silt
680	Gravelly sand and silt	5917	Gravelly sand and silt
690	Gravelly sand and silt	5918	Gravelly sand and silt
700	Gravelly sand and silt	5919	Gravelly sand and silt
710	Gravelly sand and silt	5920	Gravelly sand and silt
720	Gravelly sand and silt	5921	Gravelly sand and silt
730	Gravelly sand and silt	5922	Gravelly sand and silt
740	Gravelly sand and silt	5923	Gravelly sand and silt
750	Gravelly sand and silt	5924	Gravelly sand and silt
760	Gravelly sand and silt	5925	Gravelly sand and silt
770	Gravelly sand and silt	5926	Gravelly sand and silt
780	Gravelly sand and silt	5927	Gravelly sand and silt
790	Gravelly sand and silt	5928	Gravelly sand and silt
800	Gravelly sand and silt	5929	Gravelly sand and silt
810	Gravelly sand and silt	5930	Gravelly sand and silt
820	Gravelly sand and silt	5931	Gravelly sand and silt
830	Gravelly sand and silt	5932	Gravelly sand and silt
840	Gravelly sand and silt	5933	Gravelly sand and silt
850	Gravelly sand and silt	5934	Gravelly sand and silt
860	Gravelly sand and silt	5935	Gravelly sand and silt
870	Gravelly sand and silt	5936	Gravelly sand and silt
880	Gravelly sand and silt	5937	Gravelly sand and silt
890	Gravelly sand and silt	5938	Gravelly sand and silt
900	Gravelly sand and silt	5939	Gravelly sand and silt
910	Gravelly sand and silt	5940	Gravelly sand and silt
920	Gravelly sand and silt	5941	Gravelly sand and silt
930	Gravelly sand and silt	5942	Gravelly sand and silt
940	Gravelly sand and silt	5943	Gravelly sand and silt
950	Gravelly sand and silt	5944	Gravelly sand and silt
960	Gravelly sand and silt	5945	Gravelly sand and silt
970	Gravelly sand and silt	5946	Gravelly sand and silt
980	Gravelly sand and silt	5947	Gravelly sand and silt
990	Gravelly sand and silt	5948	Gravelly sand and silt
1000	Gravelly sand and silt	5949	Gravelly sand and silt

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
FEDERAL COINMAN

Land Office **Las Cruces, N. M.**
Lease No. **L. C. 062669**
Unit _____

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 REDRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	X
NOTICE OF INTENTION TO ABANDON WELL.....		

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

Midland, Texas **December 8,** 19**48**

Well No. **1** is located **660** ft. from **N** line and **660** ft. from **E** line of sec. **30**

NE/4 of NE/4 of Sec. 30 **15-S** **22-E** _____
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Cottonwood Wildcat **Chaves** **New Mexico**
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **4168** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

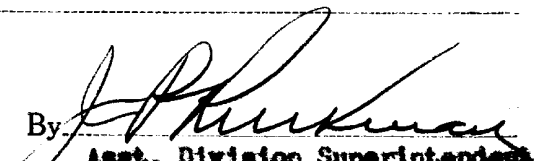
Spudded hole at 7:00 AM, 9-11-48. Lost mud and circulation when hit break from 391 feet to 395 feet. Spotted 50 sacks cement on bottom of hole. Re-cemented four times and got 26' build up. Lost 2 pits of mud from 395' to 410'. Placed 50 sacks cement in hole and got 18' build up. Dumped in 3 bales of hay and re-gained circulation. Drilled to 1250' in anhydrite and lime formation. Reamed 9-7/8" hole to 13-3/4" hole from 0 to 1040'. Set and cemented 1020.22' of 10-3/4" casing at 1035' with 500 sacks Alamo Cement. Test of casing with 800# was OK. Lost some mud while drilling from 1271' to 1747'. Ran caliper survey at 3137'. Drilled 9-7/8" hole 3207' in lime and anhydrite formation. Circulated hole 2 hours. Ran and cemented 3190' of 7-5/8" casing at 3205' with 750 sacks of El Toro cement. Tested casing and formation with 1000# for 30 minutes and tested OK. Finished 6-3/4" hole at 5338' in lime formation. Ran caliper survey at 5337'.
(Continued on Sheet #2)

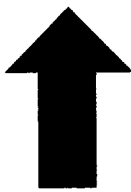
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **Humble Oil & Refining Company**

Address **Box 1600**

Midland, Texas

By 
Title **Asst. Division Superintendent**



LTR



Job separation sheet

DETAILS OF WORK (Continued)

Halliburton DST from 5285' to 5338'. Slight blow of gas to surface immediately. Blow stopped after 7 minutes. Recovered 25' of drilling mud slightly gas cut. Average flowing pressure 80#. Chloride content of mud from test 4,000 PPM. Drilled 6-3/4" hole to 5577' in dolomite, chert and shale formation. Ran Halliburton DST from 5466' to 5550'. Tool open 1 hour. Recovered 80' of drilling mud with no show of oil or gas. Hydrastatic pressure 2725#. Flowing pressure zero. Shut in pressure 1500#. Drilled 6-3/4" hole to 5600' in lime and granite wash formation. Halliburton DST from 5550' to 5600'. Tool open 1 hour with good blow of air during test. Recovered 2250' of salt water with no show of oil or gas. Hydrastatic pressure 2680#. Chloride content of water in test 170,000 PPM. Drilled to 5849'. Cored from 5848' to 5849' and recovered 6 inches of granite. Ran Schlumberger Survey. Magnolia Petroleum Corporation ran Geophone Survey. Plugged well from 5449' to 5849' with 90 sacks cement, from 3000' to 3400' with 90 sacks, from 813' to 933', and 240' to surface with 100 sacks. Interval between plugs filled with mud laden fluid. 7-5/8" casing was shot at 933' and 938' was recovered. Regulation marker was installed at well.

Total depth of well 5849' in granite. No oil was recovered. Copies of all surveys and logs received have been forwarded to U. S. Geological Survey, Artesia, New Mexico.



LTR



Job separation sheet