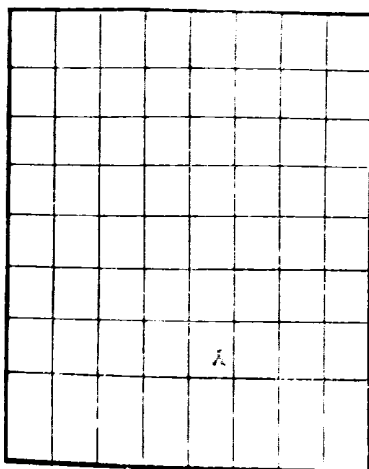


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

Company None is drilling company Address Box 100, P.O. Box 100
 Lessor or Tract 1/4 Section Field None State Ohio
 Well No. 710 Sec. 10 Twp. R Meridian - County Franklin
 Location 300 ft. N of - Line and 100 ft. E of - Line of Sec. 10 Elevation 1000

Signed [Signature]
Title Assistant Division Superintendent

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

Commenced drilling _____, 1977 Finished drilling _____, 1977

(Denote gas by (r))

No. 1, from	1470	to	3800	No. 4, from	to
No. 2, from	2700	to	518	No. 5, from	to
No. 3, from	18	to	3205	No. 6, from	to

No. 1, from	to	No. 3, from	to
No. 2, from	to	No. 4, from	to

Size each sz	Weight per pair	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated from—	Purpose
13/8	23.	10-1	5-1034	4.3				
11/2	14.	10-1	1034	3142.76				

Date or log	Where set	Number sacks of cement	Method used	Mud gravity	Amount of sand used
2-1/8	100.00	100.00	100.00	100.00	100.00
2-1/2	100.00	100.00	100.00	100.00	100.00
2-3/4	100.00	100.00	100.00	100.00	100.00

Heavy plate (bottom)	Length	Depth
Adaptor (Material)	Size	

Country	Expenditure on health	Healthcare quality	Healthcare access	Healthcare equity
United States	16.9%	85.0%	85.0%	85.0%
United Kingdom	10.1%	80.0%	80.0%	80.0%
Germany	11.2%	82.0%	82.0%	82.0%
France	11.5%	83.0%	83.0%	83.0%
Canada	10.5%	81.0%	81.0%	81.0%
Japan	11.8%	84.0%	84.0%	84.0%
Sweden	10.3%	80.0%	80.0%	80.0%
Netherlands	10.7%	81.0%	81.0%	81.0%
Italy	10.9%	82.0%	82.0%	82.0%
Spain	10.4%	81.0%	81.0%	81.0%
Portugal	10.2%	80.0%	80.0%	80.0%
Greece	10.0%	79.0%	79.0%	79.0%
Ireland	10.6%	81.0%	81.0%	81.0%
Austria	10.8%	82.0%	82.0%	82.0%
Belgium	10.5%	81.0%	81.0%	81.0%
Switzerland	11.0%	83.0%	83.0%	83.0%
Luxembourg	10.7%	82.0%	82.0%	82.0%
Denmark	10.4%	81.0%	81.0%	81.0%
Finland	10.3%	80.0%	80.0%	80.0%
Norway	10.2%	80.0%	80.0%	80.0%
South Korea	11.1%	82.0%	82.0%	82.0%
South Africa	10.0%	79.0%	79.0%	79.0%
India	1.5%	65.0%	65.0%	65.0%
China	2.5%	75.0%	75.0%	75.0%
Brazil	3.5%	70.0%	70.0%	70.0%
Mexico	4.5%	72.0%	72.0%	72.0%
Argentina	5.5%	74.0%	74.0%	74.0%
Colombia	6.5%	76.0%	76.0%	76.0%
Venezuela	7.5%	78.0%	78.0%	78.0%
Ecuador	8.5%	80.0%	80.0%	80.0%
Peru	9.5%	82.0%	82.0%	82.0%
Bolivia	10.5%	84.0%	84.0%	84.0%
Paraguay	11.5%	86.0%	86.0%	86.0%
Uruguay	12.5%	88.0%	88.0%	88.0%
Chile	13.5%	90.0%	90.0%	90.0%
Costa Rica	14.5%	92.0%	92.0%	92.0%
Panama	15.5%	94.0%	94.0%	94.0%
Dominican Republic	16.5%	96.0%	96.0%	96.0%
Jamaica	17.5%	98.0%	98.0%	98.0%
Trinidad and Tobago	18.5%	100.0%	100.0%	100.0%

Rotary tools were used from $z_{\text{min}} = 1.0$ foot to $z_{\text{max}} = 1.5$ foot, and from $z_{\text{min}} = 1.0$ foot to $z_{\text{max}} = 1.5$ foot. Chisel tools were used from $z_{\text{min}} = 1.0$ foot to $z_{\text{max}} = 1.5$ foot, and from $z_{\text{min}} = 1.0$ foot to $z_{\text{max}} = 1.5$ foot.

[illegible]

- • • • • , Driller
- • • • • , Driller

DATE	TIME	TIME LEFT	EDUCATION
1944	1	1	1944
1945	1	1	1945
1946	1	1	1946
1947	1	1	1947
1948	1	1	1948
1949	1	1	1949
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2036	1	1	2036
2037	1	1	2037
2038	1	1	2038
2039	1	1	2039
2040	1	1	2040
2041	1	1	2041
2042	1	1</	

Place Hobbs, New Mexico
Date November 11, 1947

State New Mexico
County Hobbs
Section 16

Dedicate UNIT well is located in
"Q"

1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24

Well No. 16
Section 16 from South line: 1980 feet from ast line
Township 18-South Range 37-ast

DATE STARTED 10-25-47
DATE COMPLETED 11-7-47
ELEVATION 3654
TOTAL DEPTH S.L. 3225
CABLE TOOLS Rotary Tool Yes

Casing Record

8-5/8	DEPTH	262	SIZE OF PIPE	150
5-1/2	DEPTH	3151	SIZE OF PIPE	1080

Logging Record

2' ECE DEPTH 3210
None
None
None

Formation Core

Core 1	1470
Core 2	2800
Core 3	3218

Flowing Flowing
After Acid on 3000 120 bbls 10/day based on prod. of last 3 hrs of 6-hr test
128 Mcf/day

Humble Oil & Refining Company

COMPANY: Humble Oil & Refining Company

DATE: COPY ORIGINAL

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Lea

Lease No. 13-233-2

Unit 1

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.....
NOTICE OF INTENTION TO ABANDON WELL.....	

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

Midland, Texas November 1, 1947

Well No. 11-4-47 is located 1000 ft. from N line and 1280 ft. from E line of sec. 30

18-S 38-E
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Lea New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 3652 ft.

DETAILS OF WORK

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

Well No. 11-4-47. Cased with 1100# pressure. 9:20 AM 11-4-47. Tested O.N. 11-4-47. Cased with 1100# pressure. Tested O.N.

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

Company Sumple Oil & Refining Co.

Address 1000

Midland, Texas

By [Signature]

Title Assistant Division Superintendent

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Local Office

License No.

Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENT TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENT TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENT TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENT TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF REDRILLING OR REPAIR
NOTICE OF INTENT TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENT TO TEST WATER SHUT-OFF	SUPPLEMENTARY WELL HISTORY

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

Well No. _____ is located _____ ft. from N line and _____ ft. from E line of sec. _____

_____ Township _____ Range _____ Meridian _____
County of _____ State of _____

The elevation of the derrick floor above sea level is _____ 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)

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

Company _____

Address _____

By _____
Title _____

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office _____

Lease No. _____

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
NOTICE OF INTENTION TO ABANDON WELL	

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

inland, Texas, October 27, 1947

Well No. 1-22 is located 600 ft. from [N] line and 1250 ft. from [E] line of sec. 30

1-22 (Twp.) 30-2 (Range) (Meridian)
Lea (County or Subdivision) Tex. Mexico (State or Territory)

The elevation of the derrick floor above sea level is 3652 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)

1-22 300' pressure at 1:45 P. M. 10-27-47.
1-22 250' only pressure.

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

Company _____

Address _____

By *H. K. Korman*

Title Assistant Division Engineer

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Las Cruces, N.M.

Lease No. 032233-A

Unit _____

B. A. Bowers "A" - Federal

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	X	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	
NOTICE OF INTENTION TO ABANDON WELL			

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

Midland, Texas

October 27, 1947

Well No. A-16 is located 660 ft. from N line and 1980 ft. from E line of sec. 30
S line of 30 of sec. 30 18-S 38-E _____
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
_____ Lea New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 3652 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)

Drilled 11" hole at 5 A 10-25-47.

Set 8-5/8" Casing as Follows:

Casing	Amount	Weight	Set At	Formation	Total Depth of Well	No. Sacks	Plug on Bottom
8-5/8"	261.83	28#	261.83	Caliche & Red Beds	265'	150 sacks Lone Star Regular	4:45 PM 10-25-47

Ballston method used.

Percent cemented.

Will test casing with 800# pressure 4:45 PM 10-26-47.

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

Company Mumma Oil & Refining Co.

Address Box 1600

Midland, Texas

B. A. Bowers
Title Ass't Division Superintendent