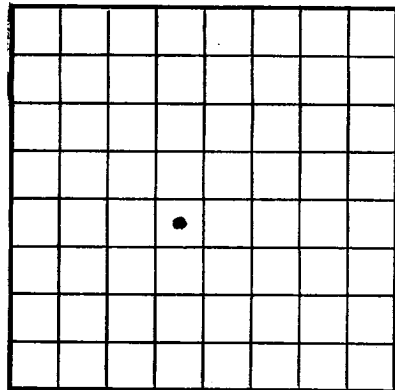


OCC. Hobbs

Budget Bureau No. 42-R355.
Approval expires 11-30-46.

Form 9-330



LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Las Cruces**
SERIAL NUMBER **067164**
LEASE OR PERMIT TO PROSPECT
Texas-Penny

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **E. A. CULBERTSON & WALLACE W. IRWIN** Address **Box 1071, Midland, Texas**
Lessor or Tract **Texaco-Penny** Field **West Dollardide (Queen)** State **New Mexico**
Well No. **1** Sec. **5** T **25S** R **38E** Meridian **N.M.** County **Lea**
Location **2310 ft. {N.} of S. Line and 2230 ft. {E.} of W. Line of Section 5** Elevation **3141**
(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 **Wallace W. Irwin**

Date **January 23, 1953** Title

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

Commenced drilling **12/18**, 19**52** Finished drilling **1/21**, 19**53**

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

No. 1, from **3687** to **3717** 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 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—	
8-5/8	275	115	Halliburton	115					
5-1/2	3611	400*	Halliburton	400*					
*200 sax around shoe									
200 " thru 2-stage tool @ 1183									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	275	115	Halliburton		
5-1/2	3611	400*	Halliburton		
*200 sax around shoe					
200 " thru 2-stage tool @ 1183					

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
Fractured formation with Dowell Stratafrac method.						
Used 3000 gallon below formation packer set @ 3652'						

TOOLS USED

Rotary tools were used from **0** feet to **3640** feet, and from feet to feet
Cable tools were used from **3640** feet to **3757** feet, and from feet to feet

DATES

Put to producing **1/22**, 19**53**
The production for the first 24 hours was **178** barrels of fluid of which **100** % was oil; %
emulsion; % water; and % sediment. Gravity, °Bé. **38**
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. Y. Haynes, Driller **H. W. Botkin**, Driller
R. D. Blackledge, Driller **W. M. Wilkinson**, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	250	250	Surface sand & caliche
250	295	45	Red rock
295	538	243	Sand & red rock
538	798	260	Gray sand & shale
798	1180	382	Red rock
1180	1270	90	Anhydrite
1270	1670	400	Salt
1670	1700	30	Anhydrite
1700	1960	260	Salt & anhydrite
1960	2010	50	Anhydrite
2010	2180	170	Salt
2180	2380	200	Salt & anhydrite
2380	2410	30	Anhydrite
2410	2500	90	Salt
2500	2570	70	Salt & anhydrite
2570	2710	140	Anhydrite & brown dolo.
2710	2910	200	Anhydrite, red shale & red sand
2910	3125	415	Anhydrite & brown dolomite
3125	3145	20	Salt & anhydrite
3145	3165	20	Salt & anhydrite
3165	3185	20	Salt & anhydrite
3185	3195	10	Salt & anhydrite
3195	3205	10	Salt & anhydrite
3205	3215	10	Salt & anhydrite
3215	3225	10	Salt & anhydrite
3225	3235	10	Salt & anhydrite
3235	3245	10	Salt & anhydrite
3245	3255	10	Salt & anhydrite
3255	3265	10	Salt & anhydrite
3265	3275	10	Salt & anhydrite
3275	3285	10	Salt & anhydrite
3285	3295	10	Salt & anhydrite
3295	3305	10	Salt & anhydrite
3305	3315	10	Salt & anhydrite
3315	3325	10	Salt & anhydrite
3325	3335	10	Salt & anhydrite
3335	3345	10	Salt & anhydrite
3345	3355	10	Salt & anhydrite
3355	3365	10	Salt & anhydrite
3365	3375	10	Salt & anhydrite
3375	3385	10	Salt & anhydrite
3385	3395	10	Salt & anhydrite
3395	3405	10	Salt & anhydrite
3405	3415	10	Salt & anhydrite
3415	3425	10	Salt & anhydrite
3425	3435	10	Salt & anhydrite
3435	3445	10	Salt & anhydrite
3445	3455	10	Salt & anhydrite
3455	3465	10	Salt & anhydrite
3465	3475	10	Salt & anhydrite
3475	3485	10	Salt & anhydrite
3485	3495	10	Salt & anhydrite
3495	3505	10	Salt & anhydrite
3505	3515	10	Salt & anhydrite
3515	3525	10	Salt & anhydrite
3525	3535	10	Salt & anhydrite
3535	3545	10	Salt & anhydrite
3545	3555	10	Salt & anhydrite
3555	3565	10	Salt & anhydrite
3565	3575	10	Salt & anhydrite
3575	3585	10	Salt & anhydrite
3585	3595	10	Salt & anhydrite
3595	3605	10	Salt & anhydrite
3605	3615	10	Salt & anhydrite
3615	3625	10	Salt & anhydrite
3625	3635	10	Salt & anhydrite
3635	3645	10	Salt & anhydrite
3645	3655	10	Salt & anhydrite
3655	3665	10	Salt & anhydrite
3665	3675	10	Salt & anhydrite
3675	3685	10	Salt & anhydrite
3685	3695	10	Salt & anhydrite
3695	3705	10	Salt & anhydrite
3705	3715	10	Salt & anhydrite
3715	3725	10	Salt & anhydrite
3725	3735	10	Salt & anhydrite
3735	3745	10	Salt & anhydrite
3745	3755	10	Salt & anhydrite
3755	3765	10	Salt & anhydrite
3765	3775	10	Salt & anhydrite
3775	3785	10	Salt & anhydrite
3785	3795	10	Salt & anhydrite
3795	3805	10	Salt & anhydrite
3805	3815	10	Salt & anhydrite
3815	3825	10	Salt & anhydrite
3825	3835	10	Salt & anhydrite
3835	3845	10	Salt & anhydrite
3845	3855	10	Salt & anhydrite
3855	3865	10	Salt & anhydrite
3865	3875	10	Salt & anhydrite
3875	3885	10	Salt & anhydrite
3885	3895	10	Salt & anhydrite
3895	3905	10	Salt & anhydrite
3905	3915	10	Salt & anhydrite
3915	3925	10	Salt & anhydrite
3925	3935	10	Salt & anhydrite
3935	3945	10	Salt & anhydrite
3945	3955	10	Salt & anhydrite
3955	3965	10	Salt & anhydrite
3965	3975	10	Salt & anhydrite
3975	3985	10	Salt & anhydrite
3985	3995	10	Salt & anhydrite
3995	4005	10	Salt & anhydrite

(continued)

FORMATION RECORD—continued

(COUNTING) **FOR**

3110- 2001	3110- 2001	TOTAL FEET	FORMATION
3011	3011	10	OTI SAND
3717	3717	15	OTI SAND
3722	3722	50	OTI SAND
3725	3725	4	OTI SAND
3733	3733	500	OTI SAND
3736	3736	32	OTI SAND
3741	3741	110	OTI SAND
5110	5110	500	OTI SAND
5210	5210	170	OTI SAND
3757	3757	10	OTI SAND
5210	5210	80	OTI SAND
5310	5310	30	OTI SAND
5320	5320	500	OTI SAND
5410	5410	110	OTI SAND
5510	5510	20	OTI SAND
5610	5610	500	OTI SAND
5710	5710	30	OTI SAND
5810	5810	100	OTI SAND
5910	5910	80	OTI SAND
6010	6010	385	OTI SAND
6110	6110	500	OTI SAND
6210	6210	543	OTI SAND
6310	6310	17	OTI SAND
6410	6410	540	OTI SAND

LEON	LO	LOLVI REEL	LOEWYLLION
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FORMATION RECORD

B. D. Blackledge	DLHJ6L	H. M. Hightower	DLHJ6L
A. A. Haines	DLHJ6L	H. M. Hightower	DLHJ6L

EMPLOYEES

Rock pressure, lbs. per sq. in.	
If gas well, cu. ft. per 24 hours	Gasoline per 1,000 cu. ft. of gas
emulsion: % water; and % sediment.	Gravity, °Be. 32
The production for the first 24 hours was 11	Barrels of fluid of which 100 % was oil: %
to	But to production 1,558, 10-23

DATA

Carbide tools were used from	3-1-60	1960 to	3-1-61	1961 and from	1961 to	1961
Botany tools were used from	3-1-60	1960 to	3-1-61	1961 and from	1961 to	1961

TOOLS USED

Size	Shell used	Rifle used	Quantity	Date	Depth shot	Depth cleaned out
3000	3000	3000	3000	3000	3000	3000

SHOOTING RECORD

Assets—Material	Debit	
Reserve—Material	Credit	Debit set

PLUGS AND ADAPTERS

[illegible]

MUDDING AND CEMENTING RECORD

[illegible]

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. The logs should 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 testing.

CLASS SING	PER FOOT MEASUREMENT	INCH THICKNESS PER	MAKE	AMOUNT	KIND OF STONE	CUT AND BUILED FROM	PERIODS		PURPOSE
							FROM—	TO—	

CASING RECORD

STANDARD DISCORD			
No. 5 from	to	No. 4 from	to
No. 1 from	to	No. 3 from	to

IMPORTANT WATER SANDS

INDEPENDENT JUDICIAL STUDIES			
No. 3' flow	to	No. 6' flow	to
No. 5' flow	to	No. 2' flow	to
No. 1' flow	to	No. 4' flow	to

(Dawate Islami ki)

OIL OR GAS SANDS OR ZONES

Commenced drilling ----- 15-10 -----, 10-25 Finished drilling ----- 1-51 -----, 10-73

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

Date ~~13 JAN 53~~ 10 1953

6191

so far as can be determined from all available records:

The information given herewith is a complete and correct record of the men and all work done thereon

Location S-1 of 2 Line and SS of M Line of 864 Elevation 771

Mem No. 1 Sec 2 TSPB B303 Meridian H.H. County 185

PROCESS OF LITIGATION TEXAS - PENNA FIELD NO. D-100-1746 DATE

Company **E. F. CUMMINGS & SONS** Address **Box 1001, Winston, S. C.**

ГОСУДЕ МЕНГ СОВБЕСІГҮ

A 10x10 grid with a single dot in the center, representing the number 1.

ГОС ОЕ ОИГ ОБ САЗ МЕГГ

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

16792-16800

REVERSE OF PERMIT TO PROSPECT

SERIAL NUMBER

0.2. CIVIL OFFICE

COLIN 2-330

УДБЛОСЃ ОХБ:ЛС 11-30-40
ВНДБС ВАНСН 110 45-В322