

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 058698-A
LEASE OR PERMIT TO PROSPECTUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Kewanee Oil Company Address P. O. Box 124, Maljamar, New Mexico
Lessor or Tract Miller "A" Field Maljamar State New Mexico
Well No. 12 Sec. 23 T. 17S R. 32E Meridian N.M.P.M. County Lea
Location 660 ft. (N.) of S Line and 560 ft. (E.) of W Line of Section 23 Elevation 3983'
(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 J. A. M. Rice
Title District SuperintendentDate October 1, 1958

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

Commenced drilling August 31, 19 58 Finished drilling September 14, 19 58

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3900' to 4002' No. 4, from _____ to _____
No. 2, from 4052' to 4072' 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"	32.75	8	SS	104.38'	None				
7"	23.8	8	SS	4150.16'	Chide				(See Reverse Side)

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	105.72'	125 Sx w/1% Calcium Chloride	Halliburton		
7"	4150.66'	1150 Sx Incor w/8% Gel & 200 Sx Incor Neat	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
Sand-Oil Treatment on Reverse Side						

TOOLS USED

Rotary tools were used from _____ feet to 4153' feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

October 1, 19 58 Put to producing September 23, 19 58
The production for the first 34 hours was 44.69 barrels of fluid of which 99.7 % was oil; 0 %
emulsion; 0 % water; and 3/10 % sediment Gravity, °Bé. 34.3
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Well pressure, lb. per sq. in. _____

EMPLOYEES

L. Hanning, Driller W. H. Jeffers, Driller
L. G. Helton, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	110	110	Red Bed
110	983	873	Red Bed and anhydrite
983	1934	951	Anhydrite and salt
1934	2225	291	Anhydrite and Gyp
2225	2235	10	Yates Sand
2235	2260	25	Anhydrite
2260	2275	15	Yates Sand
2275	2605	330	Anhydrite and Gyp
2605	3216	611	Anhydrite and sand
3216	3248	32	Red Sand
3248	3582	334	Anhydrite
3582	3632	50	Gray dolomite
3632	3689	57	Sand
3689	3728	39	Gray dolomite
3728	3753	25	Gray Sand
3753	3784	31	Gray dolomite
3784	3838	54	Gray sand
3838	3924	86	Gray Dolomite
3924	4006	82	Gray and tan sand
4006	4052	46	Gray and brown dolomite
4052	4072	20	brown dolomite
4072	4153	81	Gray and brown dolomite
	4153		TOTAL DEPTH
	4120'		PBTD.

FROM-	TO-	TOTAL FEET	FORMATION
			FORMATION TOPS
			Top of Salt 1150'
			Base of Salt 2090'
			Top of Yates 2225'
			Top of Red Sand 3216'
			Top of Grayburg Lime 3582'
			Top of 6th Zone 3924'
			Top of Sand Andres 4006'
			Top of 7th Zone Pay 4052'
			CASING PERFORATIONS
			3900 to 3910' 3979 to 3986'
			3925 to 3932' 3998 to 4002'
			3936 to 3950' 4052 to 4072'
			3954 to 3968'

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 "widetracked" or left in the well, give its size and location. If the well has been dynamited, give date, 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.

Ran 3" tubing in well with Anderson C-1 packer and set packer at 3845'. On 9-22-58 sand-oil treated well with 20,000 gals. refined oil and 20,000 lbs. sand and 80 perforation ball sealers in three stages as follows:

First Stage - Treated w/2500 gals. Refined oil - 7500 lbs. 20-40 sand from 5200# to 5800# - AVE. INF. rate of 13.9 BPM.

Second Stage - Treated w/7500 gals. Refined oil - 7500 lbs. 20-40 sand from 4800# to 5900# - AVE. INF. rate of 14.5 BPM.

Third Stage - Treated w/5000 gals. Refined oil - 5000 lbs. 20-40 sand from 4600# to 5400# - AVE. INF. rate of 17.3 BPM.

Initially broke formation with 60 balls, followed second stage with 60 balls, and followed third stage with 60 balls, and overflushed with 50 balls oil. Total load oil to

recover 882 oil. Started recovering load oil on 9-23-58 after running 2" tubing.

If information given here is a record of the well and all available records so far as can be determined from all available records.

Location of well is at the intersection of the 1st and 2nd streets, 1/2 mile north of the town of ...

HISTORY OF OIL OR GAS WELL