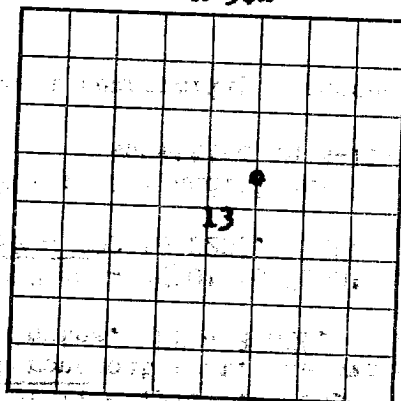


R 37E

U. S. LAND OFFICE **Las Cruces**SERIAL NUMBER **032579 (e)**

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

T
25
SUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Kawance Oil Company** Address **P. O. Box 124, Maljamar, New Mexico**
Lessor or Tract **Carlson "B"** Field **Justis-Ellenburger** State **New Mexico**
Well No. **1** Sec. **13** T. **25S** R. **37E** Meridian **N.M.P.M.** County **Lea**
Location **2310 ft. (S.)** of **N** Line and **1980 ft. (W.)** of **E** Line of **Section 13** Elevation **3087**
(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.

Date **March 14, 1958**Signed **R. A. McNeil**
Title **District Superintendent**

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

Commenced drilling **December 8**, 19 **57** Finished drilling **February 22**, 19 **58**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **4700'** to **5120'** No. 4, from **7562'** to **7580'** (Non-Productive)
No. 2, from **6068'** to **6130'** (Non-Prod) No. 5, from _____ to _____
No. 3, from **7166'** to **7190'** (Non-Prod) 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—	
13-3/8	16	8	3110 J. & S. Spiral	4324.85'	Guide				
9-5/8	26	8	SS	3435.47'	Guide				
5-1/2	17	8	SS	8768.52'	Guide				
							7562'	7580'	Testing *
							7166'	7190'	Testing *
							6068'	6130'	Testing *

* See Supplementary Well History, dtd 3-11-58

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	435.48'	450 w/1% Cal Chloride	B.J. Serv.		
9-5/8	3442.28'	200 Sax Incor & 1195 Halliburton			
		Sax w/8% Gel in 2 stages			
5-1/2	8773.95'	100 Sax Incor & 1175 Halliburton			
		Sax w/1% Gel in 2 stages			

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 _____ feet to **8870** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing _____, 19 _____

The production for the first 24 hours was **No** 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

A. L. Womack

Driller

R. E. Leigh

Driller

W. O. Eubanks

Driller

Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	345	345	Surface
345	446	101	Anhydrite
446	765	319	Red Bed, sand, and lime
765	958	193	Anhydrite, lime, and shale
958	1048	90	Anhydrite
1048	2250	1202	Anhydrite and salt
2250	2275	25	Anhydrite
2275	2375	100	Anhydrite and lime
2375	2500	125	Anhydrite and Gyp
2500	2736	236	Anhydrite
2736	2950	214	Anhydrite and Lime
2950	2980	30	Dolomite
2980	3092	112	Lime
3092	3102	10	Anhydrite and lime
3102	3163	61	Queen Sand
3163	3296	133	Sand & lime
3296	3440	144	Lime
3440	3560	220	Lime and dolomite
3560	4483	823	Sandy Lime
4483	4700	217	Lime
4700	4710	10	Gray dolomitic sand
4710	4750	40	Gray dolomite, sand, and shale
4750	4780	30	Tan dolomite and gray sand
4780	4960	180	Gray and tan dolomite
4960	5250	290	Brown Dolomite.
5250	5310	60	Gray and brown dolomite.

FORMATION RECORD—Continued

FORMATION RECORD-Continued

FROM-	TO-	TOTAL FEET	FORMATION
5310	5700	390	Brown dolomite
5700	5770	70	Brown dolomite, gray sand, and shale
5770	5810	40	Brown dolomite
5810	5850	40	Brown dolomite, gray sand, and shale
5850	6100	250	Brown dolomite
6100	6200	100	Brown dolomite, shale, and white & pink lime
6200	6280	80	Brown and gray dolomite and sand.
6280	6710	430	Brown & gray dolomite
6710	6830	120	Brown & gray sandy dolomite & lime
6830	6930	100	Brown dolomite
6930	7120	190	Brown & gray dolomite & chert
7120	7550	430	Brown & gray dolomitic lime, shale, & chert
7550	7610	60	Brown & gray dolomitic lime & shale
7610	7710	100	Brown & gray lime & shale
7710	8570	860	Brown & gray sandy lime & shale
8570	8710	140	Brown & gray sand lime, shale, & chert
8710	8870	160	Brown & white lime, shale, and chert.
	8870		Total Depth.

FORMATION TOPS

Top of San Andres	3617' (- 530')
Top of Glorieta	4690' (-1603')
Top of Clearfork	5153' (-2066')
Top of Tubb	5700' (-2613')
Top of Drinkard	5980' (-2893')
Base of Permian	6895' (-3808')
Top of Fusselman	6945' (-3858')
Top of Montoya	7212' (-4125')
Top of Simpson	7586' (-4499')
Top of McKee	7968' (-4881')
Top of McKee Pay	8046' (-4959')
Top of Connell	8360' (-5273')
Top of Johns	8480' (-5393')
Top of Ellenburger	8600' (-5513')

HISTORY OF OIL OR GAS WELL

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 "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 bailing.

DST #1 - (Tested for Western Petroleum Co.) - 4700' to 4850' in Glorieta. Tool open 1 hour, gas to surface in 9 minutes. Volume TSTM. Recovered 270' oil & gas cut mud. FP - 175# to 200#. SIBHP - 1335# in 30 minutes. HP - 2520#.

DST #2 - (Tested for Western Petroleum) - 4960' to 5150' in Glorieta. Tool open 1 hour, gas to surface in 23 minutes, volume TSTM. Recovered 480' heavy oil & gas cut mud, 30% oil. Bottom 180' cut with sulphur water. FP - 315# to 345#. SIBHP - 1735# in 30 min. HP - 2615#.

DST #3 - 6000' to 6080' in Drinkard. Tool open 1 hour and 15 minutes, opened with fair blow & weakened at end of test. Recovered 360' oil & gas cut mud with bottom 30' slightly cut with sulphur water. FP 135 to 190#. SIBHP - 2155# in 45 Minutes. HP - 3020#.

DST #4 - 6090' to 6200' in Drinkard. Tool open 1 1/2 hours, opened with good blow throughout test. Gas to surface in 15 minutes with volume too small to measure. Recovered 30' free oil, 360' heavy oil & gas cut mud, and 270' of salt water. FP - 175 to 305#. SIBHP - 2040# in 45 minutes. HP - 3020#.

DST #5 - 6890' to 7075' in Fusselman. Tool open 1 hour, opened with fair blow, diminishing to weak blow at end of test. Recovered 640' heavy gas cut mud, cut throughout with sulphur water & slightly cut with oil. FP - 1540 to 2795#. SIBHP - 2795# in 45 minutes. HP - 4880#.

DST #6 - 7534' to 7644' in Basil Montoya. Tool open 1-1/2 hours, opened with strong blow and decreased to fair blow at end of test. Gas to surface in 15 minutes with volume TSTM. Recovered 60' oil & gas cut mud, 720' hvy oil & gas cut mud, cut 30' with oil & 180' hvy oil & gas cut mud slightly cut with sulphur water. FP - 310 to 445#. SIBHP - 1795# in 45 minutes. HP - 3605#.

DST #7 - 7970' to 8083' in McKee. Tool open 1 hour, opened with weak blow & continued throughout test. Recovered 450' drilling mud. FP - 215 to 270#. SIBHP - 2285# in 45 minutes. HP - 3905#. Initial SIBHP - 2840# in 30 minutes.

DST #8 - 8590' to 8660' in Ellenburger. Tool open 1 hour. Recovered 270' drilling mud. FP - 200 to 220#. SIBHP - 3410# in 30 minutes. HP - 4210#.

NOTE: All additional information on Sundry Notices Form "Supplementary Well History", submitted on 3-11-58.

Well temporarily abandoned on 3-6-58.

DEPT. OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FORT WORTH, TEXAS