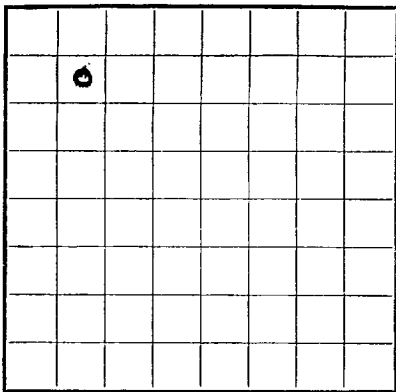




LOCATE WELL CORRECTLY

JAN 21 1959
ARTESIA, NEW MEXICO

Las Cruces
U. S. LAND OFFICE
SERIAL NUMBER **L.C. 062407**
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY
Name changed from WESTERN DEVELOPMENT COMPANY OF DELAWARE to INTERNATIONAL OIL & GAS CORPORATION
effective December 31, 1962

LOG OF OIL OR GAS WELL

Company Western Development Co. of Del. Address P. O. Box 427, Artesia, N. M.
Lessor or Tract Leonard - Federal Field Grayburg-Jackson State New Mexico
Well No. 4 Sec. 33 T. 17S R. 29E Meridian NMFM County Eddy
Location 990 ft. N of N Line and 990 ft. E of W Line of Sec. 33 Elevation 3556
(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 W B Macey

Date January 21, 1959 Title Vice President

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

Commenced drilling November 11, 1958. Finished drilling January 2, 1959.

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

No. 1, from <u>2454</u> to <u>2460</u>	No. 4, from <u>2634</u> to <u>2644</u>
No. 2, from <u>2480</u> to <u>2490</u>	No. 5, from <u>2902</u> to <u>2908</u>
No. 3, from <u>2584</u> to <u>2590</u>	No. 6, from <u>2924</u> to <u>2934</u>
<u>2608</u>	<u>2940</u> <u>2948</u>
IMPORTANT WATER SANDS	
No. 1, from <u>140</u> to <u>150</u>	No. 3, from <u>2951</u> to <u>2956</u>
No. 2, from <u>2618</u> to <u>2634</u>	No. 4, from <u>2902</u> to <u>2908</u>

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	28#	8		330'	Reg.	Not			Surface
5 1/2	14#	8	GF&I	2982'	Float	Not	2454	2460	Production
							2480	2490	
							2584	2590	2924-2934
							2608	2618	2940-2948
							2634	2644	2951-2956
							2902	2908	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	330'	75	Pump	None	None
5 1/2	2982'	150	"	"	"

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
Perforated	2454-60', 2480-90', 2584-90', 2608-18', 2634-44', 2902-08', 2924-34', 2940-48', 2951-56',					

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 2983 feet, and from _____ feet to _____ feet

DATES

January 15, 1959. Put to producing January 14, 1959.
The production for the first 24 hours was 200 barrels of fluid of which 100 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 37.
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

W. C. Garner, Driller McDaniel, Driller
Charles Lamb, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	30	30	Sand
30	289	259	Red Bed
289	650	361	Salt
650	755	105	Salt and anhy.
755	850	95	Anhy.
850	885	35	Anhy. and red shale
885	955	70	Anhy. and red sand
955	1115	160	Anhy., little red sand and shale
1115	1510	395	Anhy. and dolo.
1510	1810	300	Anhy.
1810	1850	40	Red sand
1850	2035	185	Anhy., little dolo. and red shale
2035	2250	215	Anhy. and red sand
2250	2450	200	Dolo.
2450	2650	200	Dolo., some pink, and grey sand
2650	2983	333	Dolo.
			Total Depth 2983'
			TOPS:
			Salt 289' Base of salt 755'
			Queen 1830'
			San Andres 2656'

FORMATION RECORD—Continued

FROM-	TO-	TOTAL FEET	FORMATION

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.