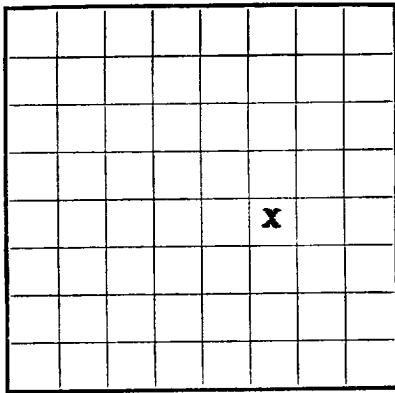


U. S. LAND OFFICE New Mexico
SERIAL NUMBER LC 029020-G
LEASE OR PERMIT TO PROSPECT _____

LOCATE WELL CORRECTLY

RECEIVED
APR 8 1963O. D. S.
ARTESIA, OFFICE

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

RECEIVED
APR 8 1963
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

LOG OF OIL OR GAS WELL

Company Robert G. Hanagan Address P. O. Box 1737, Roswell, N.Mex.
Lessor or Tract Graridge Federal Field Jackson Abo State New Mexico
Well No. 1-0 Sec. 22 T. 17S R. 30E Meridian N.M.P.M. County Eddy
Location 2310 ft. N of S Line and 1650 ft. E of E Line of Section 22 Elevation 3688 KB
(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 Hugh C. HanaganDate April 7, 1963

Title _____

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

Commenced drilling February 2, 1963 Finished drilling March 30, 1963

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3048 to 98 No. 4, from _____ to _____
No. 2, from 3380 to 3400 No. 5, from _____ to _____
No. 3, from 6892 to 6997 No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 290 to 330 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	11.5	8	Used	1415'		All Pulled			Temp. Surface
8 5/8	10.5	8	New	1415'					Surface
4 1/2	10.5	8	New	1415'					Production
4 1/2	9.3	8	STAC	5933					Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	1415	250	Denton Cementing Company		
4 1/2	6997	900	Halliburton (2 stage DV tool)	1.6642	

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

TOOLS USED

Rotary tools were used from 1415 feet to 6997 feet, and from _____ feet to _____ feetCable tools were used from 0 feet to 1415 feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing April 6, 1963

The production for the first 24 hours was 96 barrels of fluid of which 100% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. 43

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller Pecos Drilling Company, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	340	340'	Red beds and water sands
340	420	80'	Anhydrite, sm salt
420	1155	735'	Nearly solid salt w/some anhy & red sh streaks
1155	1350	195'	Anhydrite, some red sh.
1350	1650	300'	Red sand, shale, some anhy.
1650	2300	650'	Dol., anhy, some red sh & sand
2300	2730	430'	Sand, shale, anhy.
2730	3100	370'	Dolomite, sand
3100	4550	1450'	Dolomite
4550	4630	80'	Sand
4630	5850	1220'	Dolomite, sand, sm. grn sh.
5850	6650	800'	Black shly chty dol, sm gry sd.
6650	6800	150'	Dolomite & green shale
6900	6997	97'	Reef Dolomite

434812 12 JAN 1982

ACKNOWLEDGMENTS

A blank 10x10 grid for a crossword puzzle. The grid consists of 10 columns and 10 rows of squares. The squares are defined by solid black lines, and the interior of the grid is white. The grid is intended for a crossword puzzle where the words are placed horizontally and vertically.

2000-01-01 10:00:00

also

14-00000

100-443887-100

Top 12 1/2" was drilled with 6 1/2" casing string, twelve days later a rotary was moved in and hole was drilled to present L.D. of 6667. In Detroit. The hole below the surface casing was drilled with gas down to approximately 6800' and the day was drilled with a low water loss mud. A shoe and float collar was used in the cementing of the 4 1/2" production string, which was cemented in two stages of 100' and 800' in the second stage. Top of the cement was established by water cement log at 1460', just below the base of 8 1/8" surface casing. Well was perforated with 2 1/2" /foot 6664-73 and acidized with 500 gals. HCl acid. Well was swapped, kicked off and flowed in a hour test average 4 BOPH. 2 3/8" tubing hanging @ 6662, BOP set @ 6668. Flowing back depth of 6983'. Potential ran April 6, 1969.

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of re-drilling, 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.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

FROM-	TO-	TOTAL FEET	FORMATION
Amphrite	340		
T/Salt	420		
B/Salt	1155		
T/Lates	1350		
Queen	2296		
Grayburg	2726		
San Andres	3098		
Glorietta	4550		
Apo Spate	6642		
Apo Root	6892		

ELECTRIC LOG TOPS: