N. M. O. C. C. COPY

RECEIVED SEP 21 1960 O. C. C. ARTESIA, OFFICE

Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 059576
LEASE OR PERMIT TO PROSPECT K
Boller and Nichols- Iles

RECEIVED SEP 15 1960 U. S. GEOLOGICAL SURVEY ROSWELL, NEW MEXICO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Boller and Nichols Address Maljamar
Lessor or Tract Iles Field Maljamar State New Mexico
Well No. 12 Sec. 4 T. 17 R. 32 Meridian N M P M County Lea
Location 1980 ft. {N. / S.} of S Line and 2310 ft. {E. / W.} of W Line of Sec. 4-17-32 Elevation 4140
(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 O. L. McCutchen

Date September 14, 1960 Title Supt.

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

Commenced drilling August 22, 1960, 19 Finished drilling September 2, 19 60

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 3884 to 3894 No. 4, from 3955 to 3957
No. 2, from 3914 to 3918 No. 5, from 3980 to 3986
No. 3, from 3942 to 3946 No. 6, from 4004 to 4014
4146 4152

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 From—	Perforated To—	Purpose
8 5/8"	28#	8	used	313	Texas		3884	3894	
5½"	14#	8	used	4189	Halliburton		3914	3918	
							3942	3946	
2 3/8"	4	8		4014			3955	3957	
							3980	3986	
							4004	4014	
							4146	4152	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	813	200	Halliburton		
5½	4189	450	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

TOOLS USED

Rotary tools were used from 0 feet to 4189 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

, 19 Put to producing September 13, 19 60

The production for the first 24 hours was 109 barrels of fluid of which 100 % 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

, Driller , Driller
, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1110	1110	gyp and red beds
1110	2145	1635	Salt
2145	3810	1665	Anhy.
3810	3884	14	Lime
3884	3894	10	Sand oil
3894	3914	20	Lime
3914	3918	4	Sand oil
3918	3942	24	Lime
3942	3946	4	Sand
3946	3980	34	Lime
3980	3986	6	Sand
3986	4004	18	Lime
4004	4014	10	sand oil
4014	4146	132	lime
4146	4152	6	sand
4152	4189	37	Lime

FOLD | MARK

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

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.

RECEIVED