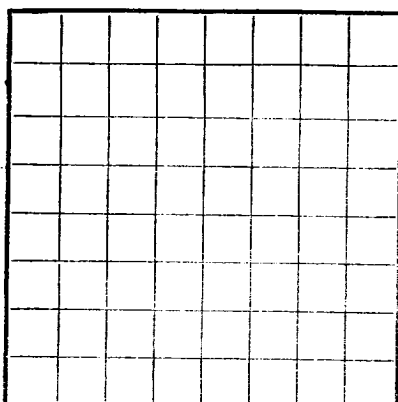


Form 9-380



LOCATE WELL CORRECTLY

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DEC 9 1960

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICOUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. LAND OFFICE

SERIAL NUMBER LC 070687

LEASE OR PERMIT TO PROSPECT

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DEC 19 1960

O. C. C.
ARTESIA, OFFICE

LOG OF OIL OR GAS WELL

Company WAYNE J. SPEARS Address 201 THREE CROSS DRIVE
Lessor or Tract JOHN M. KELLY Field WILCOAT State NEW MEXICO
Well No. 1 Sec. 20 T. 19S R. 30E Meridian NMPM County EDDY
Location 660 ft. (N.) of Line and 1980 (E.) of W. Line of SEC. 20 Elevation 3337 DF

The information given herewith is a complete and correct record of the well and all work done thereon
as far as it has been determined from all available records.

Signed

Jack L. McClellanDate DECEMBER 15, 1960 Title AGENT

The summary on this page is for the condition of the well at above date and 1102 - 51, with 1
commenced drilling OCTOBER 10, 1960 Finished drilling NOVEMBER 27, 1960

OIL OR GAS SANDS OR ZONES
No. 1, from 1675 to 1707 No. 4, from 1707 to 1725
No. 2, from 1707 to 1730 No. 5, from 1730 to 1750

No. 3, from 1730 to 1750 No. 6, from 1750 to 1775

IMPORTANT WATER SANDS
No. 1, from 1707 to 1725 No. 3, from 1725 to 1750
No. 2, from 1725 to 1750 No. 4, from 1750 to 1775

CASING RECORD
THIS WELL WAS COMMENCED ON OCTOBER 10, 1960 AND 2-2/2 CYLING WAS RUN

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8-5/8	24	4	NEW	1-55	SHOE	SHOE	0	0	SHOE
5-1/2	14	4	NEW	1-55	SHOE	SHOE	0	0	SHOE
HISTORIA OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	385	390	CIRC.		
5-1/2	1785	600	CIRC.		

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 _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 1785 feet, and from _____ feet to _____ feet

DATES

DECEMBER 1, 1960 Put to producing NOVEMBER 29, 1960

The production for the first 24 hours was 78 barrels of fluid of which 50% was oil; _____ %
emulsion; 50% 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

Y DRLG. Co., Driller _____, Driller _____
_____, Driller _____, Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	410	410	GRAVEL & RED BEDS
410	1270		SALT AND ANHYDRITE
1270	1430		ANHYDRITE
1430	1475		DOLOMITE
1475	1505		DOLOMITE & GRAY SAND
1505	1655		ANHYDRITE, RED & GRAY SAND
1655	1678		ANHYDRITE
1678	1725		GRAY SAND
1725	1785		DOLOMITE AND SAND STRINGERS

(OVER)

FORMATION RECORD—CONTINUED

16-43094-4

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BUREAU OF LAND MANAGEMENT
DEC 19 1960

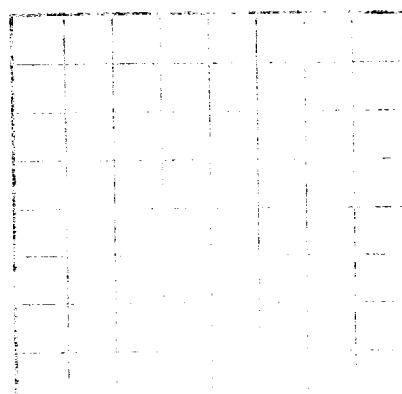


Table 1. *Continued*

PERFORMATIONS WERE TRACED WITH 650 BARRELS OF OIL AND 20,000 BARRELS OF SAND

AT 11:00 AND 1 GALLONS OF OIL PER HOUR AT 11:25. THE CASING WAS PER-
FORMED FROM 1625 - 1700 WITH 4 SHOTS PER FOOT AND 1706 - 271 WITH 4

17051 AND CIRCULATED WITH 500 SACKS OF CEMENT. TOP OF THE PAV WAS AT 1501 to 1501 from No. 4

DID NOT CIRCULATE, AND IT WAS NECESSARY TO PERFORATE THE PIPE AND CIRCULATE WATER SANDS

THIS TEST WAS COMMENCED ON OCTOBER 19, 1960, AND 0-5/0 CASING WAS RUN TO A DEPTH OF 385', USING 390 SACKS OF CEMENT. THE INITIAL CEMENT JOB

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 detached, or left in the well, give its size and location. If the well has been dynamited, give date, position, and number of shots. Changes or bridges were put in to test for water, state kind of material used (position, and results of pumping or draining.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE: 1964 O - 350-422

FROM-	TO-	TOTAL FEET	FORMATION
125	130	410	DOLOMITE AND SAND STRINGERS
130	135		GRAY SAND
135	140		ANHYDRITE
140	145		ANHYDRITE, RED & GRAY SAND
145	150		DOLOMITE & GRAY SAND
150	155		DOLOMITE
155	160		ANHYDRITE
160	165		SALT AND ANHYDRITE
165	170		GRAVEL & RED BEDS
170	175		
175	180		
180	185		
185	190		
190	195		
195	200		
200	205		
205	210		
210	215		
215	220		
220	225		
225	230		
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235	240		
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320	325		
325	330		
330	335		
335	340		
340	345		
345	350		
350	355		
355	360		
360	365		
365	370		
370	375		
375	380		
380	385		
385	390		
390	395		
395	400		
400	405		
405	410		

EMPLOYEES			
Y. Drile, Co., Driller			
Driller			
Gallons gasoline per 1,000 cu. ft. of gas			
The production for the first 24 hours was			
50% water; and 50% sediment.			
Put to producing NOVEMBER 29, 1900			
175 feet and from			
175 feet and from			
TOOLS USED			
Shot used			
Rigging used			
Quantities			
Date			
Depth shot			
Depth cleaned out			
SHOOTING RECORD			
Plugs and Adapters			
Amount of cement			
Weight used			
Kind quality			
Amount of sand used			
MUDGING AND CEMENTING RECORD			
125			
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