Form 9-330

N. M. O. C. C. COPY

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

U. S. LAND OFFICE Las Cruces, N.M.PM
SERIAL NUMBER LC 069991
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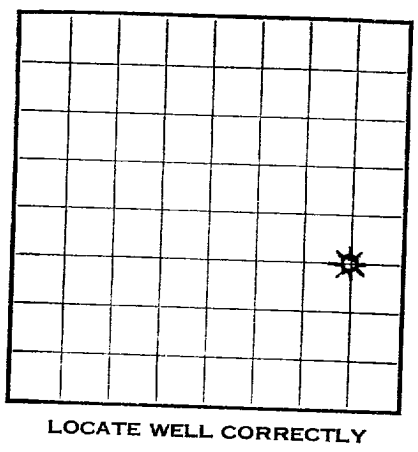

LOCATE WELL CORRECTLY

RECEIVED MAR 20 1961 GEOLOGICAL SURVEY SANTA FE, NEW MEXICO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED MAR 21 1961 O. C. C. ARTESIA, OFFICE

LOG OF OIL OR GAS WELL

Company George R. Brown Address 1201 San Jacinto Bldg., Houston 2, Tex.

Lessor or Tract Humble-Federal Field Wildcat State New Mexico

Well No. 1 Sec. 17 T. 20S R. 25E Meridian P.M. County Eddy

Location 1980 ft. [N.] of S Line and 660 ft. [E.] of E Line of Section 17 Elevation 3501' DF (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 Harley C. Watson

Date March 14, 1961 Title Production Superintendent

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

Commenced drilling 2:30 A.M. 12-5-, 1960 Finished drilling 10:00 A.M. 3-3-, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 9346' to 9434' G No. 4, from to

No. 2, from to No. 5, from to

No. 3, from to 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 From—	Perforated To—	Purpose
13 3/8	61#	8 round	J-55	65.25'	Guide				
13 3/8	48#	8 round	H-40	922.08'	Insert Float Valve				Protect fresh Wtr. Strata
5 1/2	17#	8 round	N-80	804.98'	Float shoe				
5 1/2	17#	8 round	J-55	1706.53'	Differential Fillup Collar				
5 1/2	15.5#	8 round	J-55	5783.98'					Complete
5 1/2	17#	8 round	J-55	1257.57'					gas well.
5 1/2	17#	8 round	N-80	18.76'					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8"	1003'	800/2% gel/87500# Gilsonite	Pump & Plug		
5 1/2"	9584	360/2% gel	Pump & Plug		

Drilled w/fresh water and drilling soap compound to approximately 7500'. Mudded up using commercial fresh water base mud to total depth.

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 5 1/2" production casing at following intervals: W/4" OD Welex Super Dyna-Jet Gun, 4 shots per foot. 9346 to 9374'; 9382 to 9400'; 9410 to 9417'; 9423 to 9434'						

TOOLS USED

Rotary tools were used from 0 feet to 9600 feet, and from feet to feet

Cable tools were used from feet to feet, and from feet to feet

DATES

March 10, 1961 Put to producing Gas well, closed in waiting for market.

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

If gas well, cu. ft. per 24 hours 3,050,000 Gallons gasoline per 1,000 cu. ft. of gas Nil

Rock pressure, lbs. per sq. in. 3812

EMPLOYEES

G. D. Meredith, Driller W. W. Warden, Driller

Leo Koehn, Driller Jack Leach, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	74	74	Caliche and surface rock
74	376	302	Redbed and shells
376	465	89	Anhydrite and lime
465	551	86	anhydrite
551	601	50	Anhydrite and lime
601	732	131	Anhydrite
732	838	99	anhydrite and lime
838	914	76	Lime
914	1523	609	Dolomite
1523	1652	129	Dolomite and chert
1652	1713	61	Dolomite
1713	1749	36	Dolomite and chert
1749	1827	78	Dolomite
1827	1880	53	Dolomite and sand
1880	1930	50	Dolomite, chert, and anhydrite
1930	2014	84	Dolomite and chert
2014	2069	55	Dolomite and anhydrite
2069	3079	1010	Dolomite
3079	3199	120	Dolomite and chert
3199	3255	56	Dolomite
3255	3366	111	Dolomite and sand
3366	3455	89	Dolomite
3455	3577	122	Dolomite and chert
3577	3927	350	Dolomite and sand
3927	4550	623	Dolomite and chert

(OVER)

16—46094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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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.

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
4552	4622	72	Dolomite
4622	5055	433	Dolomite and chert
5055	5303	248	Dolomite
5303	5781	478	Dolomite and shale
5781	5823	42	Dolomite
5823	6047	224	Dolomite and shale
6047	6084	37	Dolomite
6084	6172	88	Dolomite and chert
6172	6189	17	Dolomite and lime
6189	6256	67	Lime and shale
6256	6530	274	Dolomite
6530	6619	89	Limestone and dolomite
6619	7422	803	Dolomite and shale
7422	7490	68	Shale
7490	8067	577	Shale and limestone
8067	8107	40	Shale and sandy limestone
8107	8185	78	Limestone and shale
8185	8213	28	Limestone, shale and chert
8213	8906	693	Limestone and shale
8906	8952	46	Sand and limestone
8952	9098	146	Shale and limestone
9098	9136	38	Sandy limestone and shale
9136	9222	86	Limestone and shale
9222	9356	134	Limestone and sand
9356	9412	56	Limestone
9412	9427	15	Sand and limestone
9427	9600	173	Limestone, sand and shale

Geological Tops from Electric Logs:

Queen	490'
San Andres	730'
Glorieta	2325'
Wolfcamp	6530'
Morrow Sand	9324'

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Well was spudded at 2:30 A.M. M.S.T. 12-5-60. Drilled 17 1/2" hole to 1003'. Set 13 3/8" surface casing at 1001.33' from rotary drive bushing. Cemented with 700 sacks 50-50 Pozmix (S) plus 2% gel plus 8750# of Gilsonite mixed 12 1/2 lbs. per sack to 700 sacks, plus 100 sacks of neat around shoe. WOCS 48 hours. Tested casing. Drilled 12 1/4" hole under surface to 2716'. Lost circulation not too bad. Reduced hole to 8 3/4" and drilled to total depth of 9600'. Set 5 1/2" casing at 9583.70' from R.D.B. Cemented with 360 sacks Incor and Pozmix (S) 50-50 plus 2% gel. WOCS 72 hours. Top of cement behind 5 1/2" casing at 7900'. PBTD by Welex Wire line 9503'. Perforated with Welex Super Dyna Jets 4 shots per foot at 9346 to 9374'; 9382 to 9400'; 9410 to 9417'; and 9423 to 9434. Treated well in two stages with straddle packers.

1st Stage - Through perforations 9383 - 9400 and 9410 - 9417 and 9423 - 9434', 12,000 gallons gelled acid with 4400# 20-40 mesh sand plus 700# walnut hulls (Mesh 12-20) Spotted 250 gallons MCA on perforations ahead of Frac. Formation broke at 3500#, Maximum treating pressure 5000#. 15.3 barrels per minute average injection rate.

2nd Stage - Through perforations 9346 - 9374'. 10,000 gallons gelled acid with 4200# 20-40 mesh sand plus 500# walnut hulls (12-20 mesh). Spotted 250 gallons MCA on perforations ahead of frac. Formation broke at 4200#. Maximum treating pressure 5400#. Average injection rate 15.2 barrels per minute.

15 minute closed in pressure 2700#
30 minute closed in pressure 2300#
8 hours closed in pressure 300#

At end of 8 hours swabbed well in and cleaned to pits. Well completed and released rotary rig at 10:00 A.M. 3-3-61. Ran 4 point tests after 72 hours shut in. Closed well in after tests at 9:30 P.M. 3-10-61.

There is no market for gas at present.

Status: CLOSED IN GAS WELL.

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LEASE OR PERMIT TO PROSPECT .....

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company ..... Address .....

Lessor or Tract ..... Field ..... State .....

Well No. ..... Sec. ..... T. ..... R. ..... Meridian ..... County .....

Location ..... ft. {N. / S.} of ..... Line and ..... ft. {E. / W.} of ..... Line of ..... Elevation .....
(Derrick floor relative to sea level)

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Signed .....

Date ..... Title .....

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Adapters—Material ..... Size .....

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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

16—43094-4

FOLD | MARK