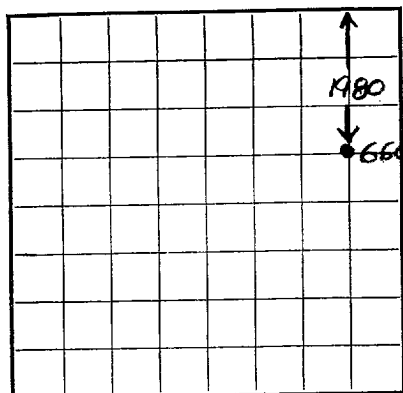
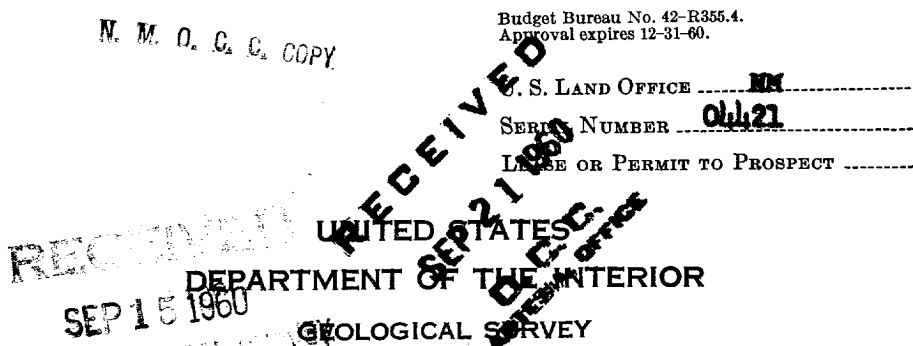




LOCATE WELL CORRECTLY



LOG OF OIL OR GAS WELL

Company Standard Oil Company of Texas Address Drawer "S", Monahans, Texas
Lessor or Tract Federal 14-7 Field Lake Grayburg State New Mexico
Well No. 2 Sec. 9 T. 16S R. 31E Meridian _____ County Eddy
Location 1980 ft. N. of M Line and 660 ft. E. of E Line of Sec. 9 Elevation 4156
(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 C. F. Dwyer / WHA C. F. Dwyer
Date 9-13-60 Title District Engineer

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

Commenced drilling 7-12-, 1960 Finished drilling 7-23-, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3599 to 3659 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 800 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—	
<u>8-5/8</u>	<u>364</u>	<u>82</u>		<u>193'</u>	<u>Texas</u>				<u>Surface</u>
<u>4-1/2</u>	<u>454</u>	<u>82</u>		<u>3700'</u>	<u>Pattern</u>				<u>Oil string</u>
					<u>BT Shoe</u>		<u>3602</u>	<u>3606</u>	
							<u>3609</u>	<u>3611</u>	
							<u>3639</u>	<u>3641</u>	
							<u>3644</u>	<u>3651</u>	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8-5/8</u>	<u>205</u>	<u>125</u>	<u>Pump & Plug</u>	<u>10</u>	<u>-</u>
<u>4-1/2</u>	<u>3713</u>	<u>550</u>	<u>Pump & Plug</u>	<u>10</u>	<u>-</u>
		<u>425</u>	<u>Pump & Squeeze</u>	<u>-</u>	<u>-</u>

PLUGS AND ADAPTERS

Heaving plug—Material none 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 3715 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing 9-6-, 1960

The production for the first 24 hours was 70 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

H. O. Brien, Driller T. R. Frost, Driller
T. V. Smith, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>surface</u>	<u>910'</u>	<u>910'</u>	<u>Surface gravel, sand & red beds.</u>
<u>910'</u>	<u>1030'</u>	<u>120'</u>	<u>Anhydrite: Top Rustler @ 910'.</u>
<u>1030'</u>	<u>1885'</u>	<u>855'</u>	<u>Salt w/some anhydrite and red beds.</u>
<u>1885'</u>	<u>2065'</u>	<u>80'</u>	<u>Anhydrite w/some salt, few red beds.</u>
<u>2065'</u>	<u>3285'</u>	<u>1220'</u>	<u>Anhydrite, dolomite, shale and some red beds;</u> <u>Top Yates @ 2065', Top Queen @ 2895', Top</u> <u>Grayburg @ 3285'.</u>
<u>3285'</u>	<u>3604'</u>	<u>319'</u>	<u>Dolomite, anhydrite and red shale.</u>
<u>3604'</u>	<u>3659'</u>	<u>55'</u>	<u>Dolomite, gray sand (w/oil show), red sand &</u> <u>shale, and anhydrite -- all interbedded, Top</u> <u>Premier Zone @ 3604'.</u>
<u>3659'</u>	<u>3715' (T.D.)</u>	<u>56'</u>	<u>Gray, dense dolomite; Top San Andres @ 3659'.</u>

FORMATION RECORD—Continued

FROM-	TO-	TOTAL FEET	FORMATION
			1. 0-10' Sandstone, medium to coarse grained, tan to light brown, somewhat silty, and somewhat shaly. It is somewhat friable and breaks into small pieces. It is somewhat weathered and shows some signs of oxidation. 2. 10-20' Sandstone, medium to coarse grained, tan to light brown, somewhat silty, and somewhat shaly. It is somewhat friable and breaks into small pieces. It is somewhat weathered and shows some signs of oxidation. 3. 20-30' Sandstone, medium to coarse grained, tan to light brown, somewhat silty, and somewhat shaly. It is somewhat friable and breaks into small pieces. It is somewhat weathered and shows some signs of oxidation. 4. 30-40' Sandstone, medium to coarse grained, tan to light brown, somewhat silty, and somewhat shaly. It is somewhat friable and breaks into small pieces. It is somewhat weathered and shows some signs of oxidation. 5. 40-50' Sandstone, medium to coarse grained, tan to light brown, somewhat silty, and somewhat shaly. It is somewhat friable and breaks into small pieces. It is somewhat weathered and shows some signs of oxidation. 6. 50-60' Sandstone, medium to coarse grained, tan to light brown, somewhat silty, and somewhat shaly. It is somewhat friable and breaks into small pieces. It is somewhat weathered and shows some signs of oxidation. 7. 60-70' Sandstone, medium to coarse grained, tan to light brown, somewhat silty, and somewhat shaly. It is somewhat friable and breaks into small pieces. It is somewhat weathered and shows some signs of oxidation. 8. 70-80' Sandstone, medium to coarse grained, tan to light brown, somewhat silty, and somewhat shaly. It is somewhat friable and breaks into small pieces. It is somewhat weathered and shows some signs of oxidation. 9. 80-90' Sandstone, medium to coarse grained, tan to light brown, somewhat silty, and somewhat shaly. It is somewhat friable and breaks into small pieces. It is somewhat weathered and shows some signs of oxidation. 10. 90-100' Sandstone, medium to coarse grained, tan to light brown, somewhat silty, and somewhat shaly. It is somewhat friable and breaks into small pieces. It is somewhat weathered and shows some signs of oxidation.

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.

HISTORY OF OIL OR GAS WELL

The subject well was drilled as a Grayburg (Premier) objective to 3745'. The well was spudded on 7-12-60 at 8-5/8" csg. was cased @ 205' with 125 sxs cmt. 50 sxs were circulated on 7-23-60 4 1/2" csg. was cased. @ 3713' w/550 sxs cmt. Top of cmt by temp survey was 1800'. Csg. was cased w/1500 PSI, test OK. The Grayburg (Premier) was part 8-1-60 w/4 jets/ft. as follows: 3602-3606, 3609-3611, 3639-3641 & 3644-3654. These parts were traced w/30,000 gal lease crude @ 45,000# sd. The interval 1000-1001 was part w/2 jets/ft. & w/3000 # MOD R @ 1048 & MOD R @ 949. The top of salt was cmt. w/125 sxs cmt. Circ sat 20 sxs to surface. Squashed parts 1000-1001 w/300 sxs in 3 stages. Cleaned out to MOD R & tested parts 1000-1001 w/1000 PSI. Test OK, on official potential the well jumped 70 MG & 0 MM in 24 hours. Gravity of the crude was 37 degree API & NOR 350 CPD. 9-6-60.

NO 20742 100 000 000

was 30 degrees A-1 & (OH 350 C.F.D. 9-0-00.

Cleaned out to MOD N & tested parts 1000-1001 w/1000 PSI. Testok, on official
CIVILIAN TO EXHIBIT. Squeezed parts 1000-1001 w/300 psi in 3 stages.
potential the well pumped 70 psig & 0 psi in 24 hours. Gravity of the crude

3009-3011, 3039-3041 & 3044-3054. These parts were traced w/ 30,000 gal lease crude & 45,000# sd. The interval 1000-1001 was part w/ 2 jets/ft. & w/ MOD R & MOD K & 949. The top of salt was contd. w/ 125 sxs cont.

50 xxs were circulated on 7-23-60 4 1/2" csg. was used. @ 3713' w/550 xxs cnt. Top of cnt by temp survey was 1800'. csg. was tested w/1500 PSI, test OK. The Greasburg (Pleasant) was part 8-1-60 w/4 sets/ft. as follows: 3602-3606,

The subject well was drilled as a dryhole (Pioneer) objective to 375'. The well was spudded on 7-12-60 at 8-5/8" O.G. was cased at 205' with 125 sxc cm.