



UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company CONTINENTAL-YATES (Martin Yates Address.) Artesia, New Mexico  
 Lessor or Tract \_\_\_\_\_ Field Loco Hills State New Mexico  
 Well No. 2-A Sec. 11 T. 18 R. 29 Meridian N.E.P.M. County Eddy  
 Location 990 ft. N. of N. Line and 990 ft. E. of W. Line of Sec. 11 Elevation \_\_\_\_\_  
(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 Beth King

Date Feb. 21st, 1940 Title Secretary

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

Commenced drilling November 23rd, 1940 Finished drilling January 4th, 19 40

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2626 to 2641 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		Purpose
							From—	To—	
<u>8 1/2"</u>	<u>casing</u>			<u>452'</u>	<u>50 sacks of cement</u>				
<u>7"</u>	<u>O. D. Casing</u>			<u>2526'</u>	<u>100 sacks cement,</u>		<u>5 tons mud</u>		

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8 1/2"</u>	<u>Casing</u>				
<u>7"</u>	<u>O. D. Casing</u>	<u>50 sacks</u>			
		<u>100 sack</u>			<u>5 tons mud</u>

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
<u>Shot well from 2626' to 2641' with 70 quarts of nitro-glycerin, work done December 30, 1939 by the New Mexico Glycerin Company</u>						

TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 Cable tools were used from 0 feet to 2641 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

\_\_\_\_\_, 19\_\_\_\_ Put to producing January 1st, 19 40  
 The production for the first 24 hours was 50 barrels of fluid of which 100 % was oil; \_\_\_\_\_ %  
 emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, °Bé. 38  
 If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
 Rock pressure, lbs. per sq. in. \_\_\_\_\_

EMPLOYEES

W. M. Gray, Driller W. F. Keith, Driller  
G. H. Harris, Driller \_\_\_\_\_, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	6		Surface Sand
6	150		Red sand
150	160		Gravel
160	190		Red sand
190	295		Anhyd.
295	305		Redrock
305	315		Anhyd. and redrock
315	340		Red shale
340	365		Anhyd. and potash
365	375		Anhyd. and redrock, broken
375	405		Red Beds
405	423		Salt, redbeds
423	440		Anhyd.
440	450		Salt & anhyd.
450	765		Salt and potash
765	780		Anhyd.
780	800		Salt & potash
800	820		Salt
820	840		Salt & anhyd. breaks
840	910		Salt
910	925		Salt and potash
925	975		Anhyd.
975	982		Redbed & anhyd. breaks
982	1120		Anhyd.
1120	1190		Redrock and anhyd. broken
1190	1200		Anhyd.

(OVER)

FOLD MARK

**FORMATION RECORD—Continued**

FROM—	TO—	TOTAL FEET	FORMATION
1200	1235		Anhyd. and redrock broken
1235	1358		Anhyd. and redrock broken
1358	1370		Anhyd.
1370	1495		Anhyd. and redrock broken
1495	1570		Anhyd.
1570	1590		Lime
1590	1775		Anhyd.
1775	1785		Brown lime (Gas at 1775')
1785	1908		Anhyd.
1908	1970		Redrock and anhyd. broken
1970	2025		Anhyd.
2025	2090		Anhyd. and redrock broken
2090	2160		Anhyd.
2160	2190		Red sand
2190	2200		Anhyd.
220	2205		Lime
2205	2225		Lime and Anhyd.
2225	2230		Anhyd.
2230	2245		Anhyd. & redrock Breaks
2245	2290		Anhyd.
2290	2315		Lime
2315	2330		Anhyd.
2330	2355		Anhyd. & redrock broken
2355	2385		Anhyd.
2385	2455		Redrock & anhyd. breaks
2455	2465		Anhyd.
2465	2485		Lime
2485	2510		Brown lime
2510	2620		Gray lime
2620	2626		Lime
2626	2630		Sand oil
2630	2637		Oil sand
2637	2641		Sand
2641			TOTAL DEPTH

**HISTORY OF OIL OR GAS WELL**

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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.