

15-057-00094-0006

# WELL PLUGGING RECORD

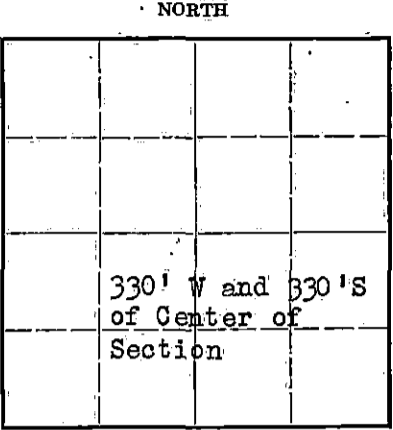
STATE OF KANSAS  
 STATE CORPORATION COMMISSION  
 Give All Information Completely  
 Make Required Affidavit  
 Mail or Deliver Report to:  
 Conservation Division  
 State Corporation Commission  
 800 Bitting Building  
 Wichita, Kansas

## FORMATION-PLUGGING-RECORD

Strike out upper line when reporting plugging off formations.

Ford County. Sec. 1 Twp. 28 Rge. 21 (W)

Location as "NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ " or footage from lines.....  
 Lease Owner Republic Natural Gas Company  
 Lease Name Harsha Estate Well No. 1  
 Office Address Hugoton, Kansas  
 Character of Well (completed as Oil, Gas or Dry Hole) Dry hole  
 Date well completed March 16 19 51  
 Application for plugging filed March 17 19 51  
 Application for plugging approved March 20 19 51  
 Plugging commenced April 6 19 51  
 Plugging completed April 16 19 51  
 Reason for abandonment of well or producing formation Dry hole



Locate well correctly on above Section Plat

If a producing well is abandoned, date of last production..... 19.....  
 Was permission obtained from the Conservation Division or its agents before plugging was commenced? Yes

Name of Conservation Agent who supervised plugging of this well Mr. C. D. Stough  
 Producing formation None Depth to top..... Bottom..... Total Depth of Well 5005 Feet

Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS CASING RECORD

Formation	Content	From	To	Size	Put In	Pulled Out
Mississippi Lime	Show gas and salt water	4967'	5005'	7"	5003'	2398.5'
				10 3/4"	430'	None

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same and depth placed, from..... feet to..... feet for each plug set.

Rocked hole from bottom to 4200' and ran 5 sacks cement. Mudded hole from 4130' to 250'; set 10' rock bridge and ran 20 sacks cement. Mudded hole to 40'; set rock bridge and ran 10 sacks cement on top. Well completed.

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 STATE CORPORATION COMMISSION  
 APR 23 1951  
 CONSERVATION DIVISION  
 WICHITA, KANSAS

4-23-1951

(If additional description is necessary, use BACK of this sheet)

Correspondence regarding this well should be addressed to Republic Natural Gas Company  
 Address Hugoton, Kansas

STATE OF Kansas, COUNTY OF Stevens, ss.

W. H. Flood, Jr. (employee of owner) or (owner or operator) of the above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed and that the same are true and correct. So help me God.

(Signature) W. H. Flood, Jr.  
Hugoton, Kansas (Address)

SUBSCRIBED AND SWORN to before me this 20th day of April, 19 51

My commission expires March 23, 1953 George L. Smith Notary Public.

21-543-9 8-45-6M

**PLUGGING**  
 FILE SEC LT 28 R 21  
 BOOK PAGE 68 LINE 5

REPUBLIC NATURAL GAS COMPANY  
 Hugoton, Kansas  
 March 19, 1951

15-857-00094-0000

SOURCE: Driller's Log

COMPANY: Republic Natural Gas Company

WELL NAME: Harsha Estate #1

CONTRACTOR: Moran Bros., Inc.

LOCATION: 330 W. & 330 S. Center  
 of section 1-28-21

DRILLING COM: January 13, 1951

COUNTY: Ford

DRILLING COMP: March 1, 1951

ELEVATION: 2,345 Gr.

<u>FORMATION</u>	<u>TOP</u>	<u>BOTTOM</u>
Surface	0	20
Sand	20	67
Sand & Gravel	67	75
Shale & shells	75	302
Shale	302	486
Started 10 3/4", H-40, 32.75#, casing in hole at 8:00 a.m. Ran 11 joints 430', Landed at 443 K.B. at 9:00 a.m. Circulated 20 mins. Started cement at 9:20 a.m. Mixing time 18 mins. 375 sacks. Plug to 243'. Maximum Pressure 400# Cement Circulated.		
Redbed, Shale, Gyp	486	600
Redbed, Gyp	600	900
Shale shells	900	1130
Redbed & Gyp	1130	1500
Redbed & shells	1500	1600
Gray shale	1600	1640
Shale & shells	1640	1700
Shale & gyp	1700	2190
Shale & anhy.	2190	2275
Anhy. & gyp	2275	2368
Shale & gyp	2368	2428
Anhy. & shale	2428	2455
Anhydrite	2455	2480
Anhy. & shale	2480	2564
Anhy. & lime streaks	2564	2596
Anhy. & lime	2596	2635
Shale & lime	2635	2690
Lime & shale	2690	2720
Lime	2720	2735
Shale & lime	2735	2790
Lime & shale	2790	2856
Shale & lime	2856	2881
Lime & shale	2881	2955
Shale & lime	2955	2978
Lime & shale	2978	3070
Shale & lime	3070	3112
Lime & shale	3112	3174
Shale & lime	3174	3224
Lime & shale	3224	3380
Shale & lime	3380	3435
Lime & shale	3435	3494
Shale & lime	3494	3544
Lime & shale	3544	3584
Shale & lime	3584	3602
Lime	3602	3614
Lime & shale	3614	3716
Shale & lime	3716	3737
Lime & shale	3737	3761
Shale & lime	3761	3797
Lime & shale	3797	3943
Lime	3943	4020

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**PLUGGING**  
 FILE SEC. 112 R. 214  
 68 - 5

<u>FORMATION</u>	<u>TOP</u>	<u>BOTTOM</u>
Lime & shale	4020	4038
Lime	4038	4165
Lime & shale	4165	4224
Shale & lime	4224	4249
Lime & shale	4249	4317
Shale & lime	4317	4347
Lime & shale	4347	4368
Lime	4368	4400
Shale & lime	4400	4425
Lime	4425	4538
Lime & shale	4538	4563
Lime	4563	4819
Lime & shale streaks	4819	4831
Lime	4831	4860
Lime & shale	4860	4917
Lime	4917	4957
Lime & chert	4957	4966
Ran drill stem test 4946-4966. No gas, oil, or water on test.		
Chert & lime	4966	4973
Lime	4973	5005
Total depth		5005

Drill stem test 4969-5005. Gas to surface five minutes. Tested four hours recovered 1440' salt water and 450' gas cut mud. Maximum open flow from drill pipe 773 MCF. Ran Schlumberger salt water log. Ran 159 joints, 5008' of 7" OD casing, set at 5003' K.B. with 175 sacks cement. Maximum pressure 550#. Stop plug 4968'. Job finished 5:00 a.m. March 4, 1951.

Moved cable tools to location March 9, 1951. Drilled cement 4996'. Perforated 4968-4973 and 4977-4981 Lane Wells with 24, 9/16" bullets and 32 Kone-shot. Acid 2,000 gallons 15%. 1500' fill up of salt water after acid. Set Lane Wells plug 4896'. Dumped one sack cement on top of plug. Perforated 4664' to 4677', 4 shots per foot. Recovered 1-gallon drilling water per hour. Acid 500 gallons 15%. Swabbed 6 gallon water per hour. Orders to abandon well 9:30 a.m. March 16, 1951.

This is a true copy of the Driller's log on the Harsha Estate #1 well.

*W. H. Flood, Jr.*  
W. H. Flood, Jr.

FORMATION TOPS

Stone Corral Dolomite	1352
Hollenburg Dolomite	2473
Top Hugoton Pay (Herington Dolomite)	2560
Topeka Limestone	3514
Heebner Shale	4164
Lansing (Brown lime)	4315
Base Kansas City Limestone	4491
Broken Mississippin Limestone	4947
Mississippin Limestone	4967

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