

STATE OF KANSAS
STATE CORPORATION COMMISSION

Form CP-4

Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to:
Conservation Division
State Corporation Commission
212 No. Market
Wichita, Kansas

WELL PLUGGING RECORD

Stafford County, Sec. 2 Twp. 22S Rge. (E)12 (W)

Location as "NE/CNW/SW" or footage from lines C E/2 NE/4 SW/4

Lease Owner Pan American Petroleum Corporation

Lease Name W. Krug Well No. 2

Office Address P. O. Box 432, Liberal, Kansas 67901

Character of Well (completed as Oil, Gas or Dry Hole) Oil

Date well completed 6-30 1940

Application for plugging filed 9-8 1969

Application for plugging approved 9-10 1969

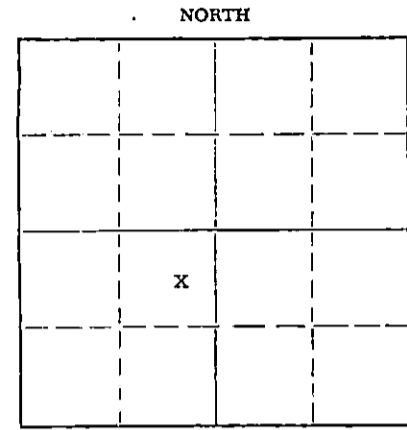
Plugging commenced 10-9 1969

Plugging completed 10-16 1969

Reason for abandonment of well or producing formation depleted to economic limit

If a producing well is abandoned, date of last production 10-7 1969

Was permission obtained from the Conservation Division or its agents before plugging was commenced? Yes



Locate well correctly on above Section Plat

Name of Conservation Agent who supervised plugging of this well Mr. R. J. Warren

Producing formation Arbuckle Depth to top 3565 Bottom 3573 Total Depth of Well 3573 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
<u>Lansing</u>	<u>3239 (Top)</u>			<u>8-5/8"</u>	<u>232</u>	<u>0</u>
				<u>5-1/2"</u>	<u>3559</u>	<u>1687</u>

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.

Spotted 10' sand plug 3400' to 3390'. Spotted 5 sacks cement plug 3390' to 3360'. Spotted cement plug 230' to 220' in 8-5/8" surface casing. Placed 15' chat plug 220' to 205'. Filled 8-5/8" casing from 205' to 6' below ground level with Ready Mix cement.

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STATE CORPORATION COMMISSION
OCT 31 1969
CONSERVATION DIVISION
Wichita, Kansas

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

Name of Plugging Contractor Glenn & Smith Pipe Pulling Company

Address P. O. Box 156, Ellinwood, Kansas

STATE OF Kansas, COUNTY OF Seward, ss.
J. W. VAUGHN (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) J. W. VAUGHN

P. O. Box 432, Liberal, Kansas 67901
(Address)

SUBSCRIBED AND SWORN to before me this 28 day of October, 1969

My commission expires 2-11-72

[Signature]
Notary Public.

FORMATION RECORD

Give detailed description and thickness of all formations drilled through and contents of sand, whether dry, water, oil or gas.

Formation	Top	Bottom	Formation	Top	Bottom
Cellar	0	7 ¹ / ₂	<u>Flow</u> - 14 BPH 5 Hrs. 2 ¹ / ₂ " Tubing		
Surface clay and sand	7 ¹ / ₂	80	<u>Acid</u> - 2000 gallons Howco 15% Reg. 2 Hrs. Max. Press. 550 PSI.		
Shale	80	100	<u>Flow</u> - 20-21-21 BPH		
Red Rock and shale	100	595	State allowed min. well potential of 15 BPD without testing 6-22-40		
Anhydrite	595	630	Indicated capacity - 900 BPD.		
Shale and shells	630	1100	<u>Core #1</u> - 1 ¹ / ₂ " / 4" Rec.		
Shale and salt	1100	1335	Dol. & Good Por. & Sat. 3569 3573		
Anhydrite and shale	1335	1465	<u>Acid</u> - 3000 gallons Howco in 1 ¹ / ₂ hrs. Max. Press. 425# PSI.		
Anhydrite and lime	1465	1600	<u>Flow</u> - 49-39-36-34-33-33 Bols. oil 6 Hr. Test		
Broken lime	1600	1732	<u>Potential Test, Draw Down Method</u> Indicated capacity 3,924 oil, no water.		
Lime	1732	1970	Date First Work 5-25-40		
Broken lime	1970	2179	Date drilling commenced 5-31-40		
Lime	2179	2353	Date drilling completed 6-24-40		
Broken lime	2353	2380	Date well completed 6-30-40		
Shale	2380	2383	Date Potential effective 7-1-40		
Broken lime	2383	2420			
Shale	2420	2530			
Broken lime	2530	2750			
Shale	2750	2795			
Lime	2795	3145			
Shale	3145	3239			
Top Lansing	3239				
Lime	3239	3422			
Broken lime	3422	3489			
Shale	3489	3514			
Lime	3514	3524			
Shale	3524	3562			
Lime	3562	3563			
Dolomite	3563	3573			
Total Depth	3573				
Following information for Standard Copies of Well Records Only:			Permanent Bench Mark Elevation Top of Clamps 1820.83		
Top Lansing	3239				
<u>Core #1 - 4' / 5' Rec.</u>					
Lime, oolitic, bleeding freely	3374	3375			
Lime, gray hard w/shale stringers, no show oil	3375	3379			
<u>Sample Analysis of Pay</u>					
Lime, oolitic, no show	3369	3372			
Lime, oolitic, soft, 25% sat.	3372	3375			
Top Viola	3497				
Top Simpson	3514				
Top Arbuckle	3565				
<u>Core #2 - 1' / 3' Rec.</u>					
Dolomite, pink & brown, fair por. & sat.	3566	3569			
<u>Cable Tools</u>					
Drilled plug - hole filled 500' in 1 hour.					
<u>Swab Test</u> - 20 BPH 4 hr. test 2200' from top					
<u>Acid</u> - 500 gallons Howco. 15% Reg. in 41 min. max. press. 1100 PSI 2 ¹ / ₂ " EUE Tbg.					

FORMATION RECORD

DESCRIBE EACH FORMATION DRILLED. INDICATE THICKNESS, CONTENT AND WHETHER DRY, OR OIL, GAS, OR WATER BEARING.

FORMATION	TOP	BOTTOM	FORMATION	TOP	BOTTOM
Total Depth		3573			
<p>Ran gamma-ray neutron and comoton log with collar locater. Set bridge plug at 3490. Perforated Lansing 3452-56 and 3428-32. Ran tubing with packer acidized 3452-56 with 1000 gal 15% and communicated with 3428-32, reset packer, acidized both sets of perforations with 1000 gal 15%. 6 hour swab 5 BFPH 82% oil and 18% water. Pulled tubing and packer and ran tubing and rods. 24 hour pump test 29.52 BO and 6.48 BW.</p>					
Completed October 23, 1967					
Lansing Perforations	3452 3428	3456 3432			
Plug Back Depth		3490			