

STATE OF KANSAS
STATE CORPORATION COMMISSION

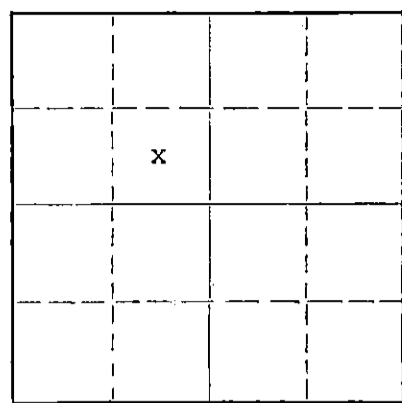
WELL PLUGGING RECORD

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

Meade County, Sec. 16 Twp. 31S Rge. 29 (E) W (W)

Location as "NE/CNW/SW" or footage from lines Center SE NW
Lease Owner Pan American Petroleum Corporation
Lease Name Collingwood Gas Unit "I" Well No. 1
Office Address Box 591, Tulsa, Oklahoma
Character of Well (completed as Oil, Gas or Dry Hole) Dry Hole
Date well completed October 5 19 57
Application for plugging filed (Telephone Approv. 10-5-57) October 23 19 57
Application for plugging approved (Telephone 10-5-57) October 9 19 57
Plugging commenced October 5 19 57
Plugging completed October 5 19 57
Reason for abandonment of well or producing formation Non-commercial

NORTH



Locate well correctly on above Section Flat

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. M. A. Rives
Producing formation None Depth to top Bottom Total Depth of Well 5652 Feet
Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION Tops Only	CONTENT	FROM	TO	SIZE	PUT IN	PULLED OUT
Lansing		4388		8-5/8	1498	None
Des Moines		4996				
Morrow		Absent				
Chester		5392				
St. Genevieve		5575				

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.

Pumped heavy mud from 5652 to 600 ft. Set HOWCO plug at 600 ft. Pumped 35 sacks of cement on plug through drill pipe and filled to 495 ft. Filled hole with heavy mud to 40 ft. and set HOWCO plug at 40 ft. Pumped 15 sacks of cement and cemented to surface.

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

Name of Plugging Contractor
Address

STATE OF KANSAS, COUNTY OF GRANT, ss. W. M. Warren

(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. M. Warren Field Supt.
P. O. Box 507, Ulysses, Kansas (Address)

SUBSCRIBED AND SWORN TO before me this 25th day of October, 1957

My commission expires November 12, 1958

J. G. Cherry Notary Public

PLUGGING
FILE SEC 16 T 31 R 294
BOOK PAGE 51 LINE 37

RECEIVED
STATE CORPORATION COMMISSION

OCT 30 1957 10-30-57

CONSERVATION DIVISION
Wichita, Kansas

PAN AMERICAN PETROLEUM CORPORATION

WELL RECORD

SUPPLEMENTAL
(ENTER "X" WHEN APPLICABLE)

LOCATE WELL CORRECTLY

LEASE Collingwood Gas Unit "1" WELL NO. 1

LOCATION OF WELL: 660 FT. NORTH SOUTH OF THE 660 FT. NORTH SOUTH LINE AND

EAST WEST OF THE EAST WEST LINE OF THE 1/4 30 1/4 10 1/4

OF SECTION 16 TOWNSHIP 31 NORTH SOUTH. RANGE 39 EAST WEST.

Woods COUNTY Kansas STATE

ELEVATION: GL 2728, DP 2739, TDB 2737

COMPLETED AS: OIL WELL GAS WELL WATER WELL DRY HOLE

DRILLING COMMENCED 9-10- 1957 COMPLETED 10-5- 1957

OPERATING COMPANY Pan American Petroleum Corporation ADDRESS Box 991, Tulsa, Oklahoma

TYPES ONLY			OIL OR GAS SANDS OR ZONES		
NAME	FROM	TO	NAME	FROM	TO
1 Lansing	4320		4 Chester	5392	
2 Des Moines	4906		5 St. Genevieve	5875	
3 Morrow	Absent		6		

WATER SANDS							
NAME	FROM	TO	WATER LEVEL	NAME	FROM	TO	WATER LEVEL
1 Unconsolidated				3			
2				4			

CASING RECORD (OVERALL MEASUREMENT)					LINER-SCREEN RECORD				
DESCRIPTION				QUANTITY FEET	SIZE	QUANTITY FEET	SET AT		MAKE AND TYPE
CSG. SIZE	WEIGHT	THREADS	MAKE - GRADE				TOP	BOTTOM	
8-5/8	247	ER	J-55 SS	1498	None				

PACKER RECORD				
SIZE	LENGTH	SET AT	MAKE AND TYPE	
None				

CEMENTING RECORD						MUDDING RECORD		
SIZE	WHERE SET FEET	SACKS	CEMENT		METHOD	FINAL PRESS	(CABLE TOOLS)	
			BRAND	TYPE			METHOD	RESULTS
8-5/8	1501	800	Waco Fozzix	Dulk	WACO 2 Plug			
			PLUGGING FILE SEC <u>16 T. 31 R 29W</u> BOOK PAGE <u>51</u> LINE <u>37</u>					
								OCT 30 1957 CONGRESSIONAL DIVISION Wichita, Kansas

WHAT METHOD WAS USED TO PROTECT SANDS WHEN OUTER STRINGS WERE PULLED? None pulled

WERE BOTTOM HOLE PLUGS USED? No

IF SO, STATE KIND, DEPTH SET, AND RESULTS OBTAINED _____

ROTARY TOOLS WERE USED FROM 0 FEET TO 9052 FEET, AND FROM _____ FEET TO _____ FEET

CABLE TOOLS WERE USED FROM _____ FEET TO _____ FEET, AND FROM _____ FEET TO _____ FEET

24-HOUR PRODUCTION OR POTENTIAL TEST Dry Hole

WATER _____ BBLs.

IF GAS WELL, CUBIC FEET PER 24 HOURS _____ SHUT-IN PRESSURE _____ LBS. PER SQUARE IN.

I, THE UNDERSIGNED, BEING FIRST DULY SWORN UPON OATH, STATE THAT THIS WELL RECORD IS TRUE AND CORRECT ACCORDING TO THE RECORDS OF THIS OFFICE AND TO THE BEST OF MY KNOWLEDGE AND BELIEF.

ORIGINAL SIGNED BY Field Supt.

SUBSCRIBED AND SWORN TO BEFORE ME THIS 25th DAY OF October 1957

MY COMMISSION EXPIRES November 12, 1958

ORIGINAL SIGNED BY J. G. Cherry

J. G. Cherry NOTARY PUBLIC

15-119-10112-0000

FORMATION RECORD

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

FORMATION	TOP	BOTTOM	FORMATION	TOP	BOTTOM
Clay - Sand	0	350	<u>Summary of Drilling and Completion Operations:</u>		
Sandy Shale	350	475	Operations Commenced	9-9-57	
Red Bed - Shale	475	920	Spudded	10:43 PM	9-10-57
Shale - Lime Shells	920	1002	Ground level to Derrick Floor	5'4"	
Shale - Shells	1002	1090	Derrick Floor to RDB	3'4"	
Sand	1090	1220	Elevations: Ground Level	2720	
Shale - Shells	1220	1520	Derrick Floor	2733	
Lime - Shale	1520	1610	RDB	2737	
Lime - Shale	1610	1750	3-5/8" casing set at 1501 w/1000 sacks Pozmix #1		
Shale - Lime Streaks	1750	22150	w/2% Calcium Chloride. Cement circulated.		
Shale - Lime	2215	2510	Ran Schlumberger Survey w/formation tops:		
Lime	2510	2722	Lansing	4300	
Lime - Chalk Streaks	2722	2810	Los Moines	4906	
Shale - Lime	2810	2910	Norow	Absent	
Chalky Lime - Shale	2910	2990	Chester	5392	
Sandy Lime	2990	3000	St. Genevieve	5575	
Lime	3000	3125	Total Depth 5652		
Chalky Lime	3125	3245	Drill Stem Test #1, 2638-2656, Horington. No		
Chalky Lime - Lime	3245	3325	initial bottom hole. Initial and final flow 50%.		
Lime	3325	3420	Tool open 30 minutes. Bottom Hole Pressure Shut		
Lime - Chalky Lime	3420	3495	in 75%. Final Hydrostatic Head 1400%. Closed		
Lime - Chalky Lime - Shale	3495	3625	20 minutes. Recovered 60' drilling mud, no show,		
Lime - Chalky Lime	3625	3680	no odor. Top choke 1", bottom 5/8".		
Chalky Lime	3680	3940	DST #2, 2678-2700, Florence. Hydrostatic Head		
Lime - Chalky Lime	3940	4039	1400%. Initial Shut in pressure 570%. Closed 30		
Lime	4039	4114	minutes. Initial Flow 40%, Final 05%. Tool open		
Lime - Shale Breaks	4114	4200	1 hour. Bottom Hole Pressure Shut in 400%,		
Lime - Shale	4200	4400	Hydrostatic Head 1470%. Closed 30 minutes,		
Lime	4400	4570	recovered 120 ft. salt mud and water. Top		
Lime - Shale	4570	4662	choke 1", bottom 5/8".		
Lime	4662	4956	DST #3, 4548-4578, Lansing. Shut in 30 minutes.		
Lime - Shale	4956	5020	Initial Bottom Hole Pressure Shut in 600, Final		
Lime	5020	5124	670%, open 1 hour, initial flow pressure 235%,		
Lime - Shale	5124	5185	Final 665%, Hydrostatic Head 1160%. Recovered		
Lime	5185	5415	90' mud, 2835' salt water, no show. Top choke 1",		
Sand Lime - Lime	5415	5445	bottom 5/8".		
Sand	5445	5450	DST #4, 4668-4695, Lansing. Shut in 30 minutes.		
Lime	5450	5500	Initial Hydrostatic Head 250%, Initial Shut in		
Lime - Shale	5500	5540	pressure 1505%. Open 1 hour. Initial Flow 85%,		
Lime	5540	5652	Final 910%, Final Hydrostatic Head 2515%.		
			Recovered 540 ft. muddy salt water. No show.		
			Top choke 1", bottom 5/8".		
			DST #5, 5440-5500, Norow Mississippi. Open		
			30 minutes, Initial Bottom Hole Pressure shut in		
			10%, Final 30%. Opened 1 hour, Initial Flow 20%,		
			Final 30%. Closed 30 minutes. Initial Hydro-		
			static Head 2945%, final 2515%. Recovered 60 ft.		
			mud. Top choke 1", bottom 1/2".		
			Dry and Abandoned.		
			Completed as dry hole 10-5-57.		

TD 5652