

WELL PLUGGING RECORD

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

Stafford County, Sec. 29 Twp. 22 Rge. 11 (~~EX~~) (W)

Location as "NE/CNW%SW%" or footage from lines SW NW SW

Lease Owner Pan American Petroleum Corporation

Lease Name P. R. Spangenberg Well No. 4

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

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

Date well completed 11-17 19 67

Application for plugging filed 7-7 19 67

Application for plugging approved 7-10 19 67

Plugging commenced 7-19 19 67

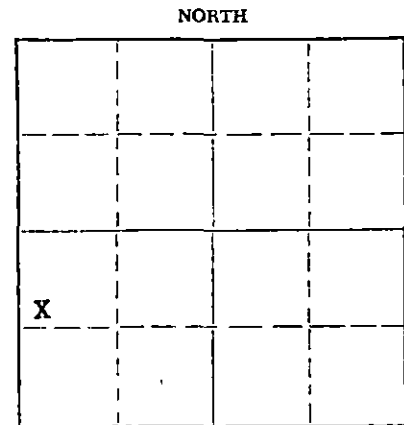
Plugging completed 7-22 19 67

Reason for abandonment of well or producing formation \_\_\_\_\_

Economically Depleted

If a producing well is abandoned, date of last production July 19 64

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 Archie Elving

Producing formation Siliceous Line Depth to top 3558 Bottom 3585 Total Depth of Well 3585 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>Siliceous Line</u>	<u>Oil-Depleted</u>	<u>3558</u>	<u>3585</u>	<u>13"</u>	<u>226'</u>	<u>none</u>
				<u>6"</u>	<u>3571'</u>	<u>1684'</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.

Dumped sand to 3500', dumped 6 sacks of cement. Top cement 3452', loaded hole, shot pipe at 2334', 2242', 2148', 2055', 1964', 1870', 1778', 1684', worked pipe loose. Set 10' rock bridge at 221', dumped 7 sacks of cement with 5" dump bailer. Tallied pipe. Bailed hole to 200', dumped 43 sacks of cement. Sanded to 40', 10' rock bridge and dumped 25 sacks of cement.

RECEIVED  
STATE CORPORATION COMMISSION

JUL 31 1967

7-31-67  
CONSERVATION DIVISION  
Wichita, Kansas

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

Name of Plugging Contractor KNIGHT CASING PULLING COMPANY

Address CHASE, KANSAS

STATE OF KANSAS, COUNTY OF SEWARD, ss.

I, D. M. LILES (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) [Signature]

Box 432, Liberal, Kansas  
(Address)

Subscribed and sworn to before me this 28th day of July, 19 67

My commission expires February 11, 1968

Notary Public.

STANOLIND OIL AND GAS COMPANY

15-185-02066-0000 WELL RECORD

160				160
			29	
0 #4				
160				160

Locate Well Correctly

T  
22  
S

COUNTY Stafford, SEC. 29, TWP. 22s RGE. 11w  
 COMPANY OPERATING Stanolind Oil and Gas Company  
 OFFICE ADDRESS P. O. Box 591, Tulsa, Oklahoma  
 FARM NAME P. R. Spangenberg WELL NO. 4  
 DRILLING STARTED 9-19-1937, DRILLING FINISHED 10-20-1937  
 WELL LOCATED SW 1/4 NW 1/4 SW 1/4 1650 ft. North of South  
 Line and 330 ft. East of West Line of Quarter Section.  
 ELEVATION (Relative to sea level) DERRICK FLR. 1823 GROUND 1820  
 CHARACTER OF WELL (Oil, gas or dry hole) Oil

OIL OR GAS SANDS OR ZONES

Name	From	To	Name	From	To
1 Siliceous Lime	3558	3585			
2					
3					

WATER SANDS

Name	From	To	Water Level	Name	From	To	Water Level
1							
2							
3							

CASING RECORD

Size	Wt.	Thds.	Make	Amount Set		Amount Pulled		Packer Record			
				Ft.	In.	Ft.	In.	Size	Length	Depth Set	Make
13"OD	40#	8	Bethlehem	223	1	(Threads off - landed at 223'1")					
6"OD	20#	10	Nat'l.	3552	4	(Threads off - landed at 3558'0")					

Liner-Record: Amount Kind Top Bottom

CEMENTING AND MUDDING RECORD

Size	Amount Set		Sacks Cement	Chemical		Method Cementing	Amount	Mudding Method	Results (See Note)
	Feet	In.		Gal.	Make				
13"OD	226	1	225	Incor		Halliburton			
6"OD	3571	6	200	Ashgrove		Halliburton			

RECEIVED  
 STATE CORPORATION COMMISSION  
 JUL 31 1967  
 CONSERVATION DIVISION  
 Wichita, Kansas

NOTE: What method was used to protect sands when outer strings were pulled?

NOTE: Were bottom hole plugs used? If so, state kind, depth set and results obtained.

TOOLS USED

Rotary tools were used from 0 feet to 3563 feet, and from        feet to        feet.  
 Cable tools were used from 3563 feet to 3585 feet, and from        feet to        feet.

Type Rig       

PRODUCTION DATA

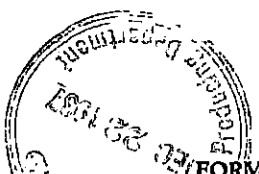
Production 1 bailer per hour before acidizing thru 6" casing.  
 Production first 24 hours        bbls. Gravity       , Emulsion        per cent., Water        per cent.  
8 hr. test 150 bbls. oil 2% water, pumping 26-34" SPM thru 2" tubing 6" casing.  
 Production second 24 hours        bbls. Gravity       , Emulsion        per cent., Water        per cent.  
 If gas well, cubic feet per 24 hours        Rock Pressure, lbs. per square inch       

I, the undersigned, being first duly sworn upon oath, state that this well record is true, correct and complete according to the records of this office and to the best of my knowledge and belief.

J. H. Miller  
 Name and Title

Subscribed and sworn to before me this 21st day of December, 1937

My commission expires May 3, 1941  
Joan H. Wilson  
 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
Surface clay and sand	0	223	Shooting Record		
Red bed	223	526	Shot with 20 qts. SNG from 3562 to 3570, 10-25-37.		
Anhydrite	526	555			
Shale and shells	555	826			
Red bed and shale	826	993			
Shale, salt and shells	993	1267	Date of first work	9-6-37	
Broken lime	1267	1484	Date drilling commenced	9-19-37	
Shale and shells	1484	1864	Date drilling completed	10-20-37	
Broken lime	1864	2331	Date well completed	11-17-37	
Shale and lime	2331	2411	Date potential effective	11-18-37	
Shale	2411	2479			
Broken lime and shale	2479	2613			
Shale	2613	2721			
Broken lime	2721	2893			
Shale and chalk	2893	2909			
Broken lime	2909	3064			
Shale and broken lime	3064	3075			
Lime	3075	3172			
Shale	3172	3265			
Lime	3265	3381			
Sticky shale	3381	3396			
Lime	3396	3417			
Shale and lime	3417	3490			
Shale	3490	3501			
Lime and shale	3501	3511			
Shale	3511	3525			
Goring Record - Rotary					
#1 3525-3542 13'/17' Recovery					
Lime, white to tan & gray shale	3525	3527			
Red and green shale	3527	3535			
Shale, red and sandy	3535	3542			
Shale	3542	3550			
#2 3550-3563 7'/13' Recovery					
Green shale	3550	3554			
Green, sandy shale w/ SO	3554	3558			
Dol. porous good S.O.	3558	3563			
Top Siliceous	3558				
Cable Tool Cores					
Hard lime	3563	3570			
No Recovery	3570	3580			
Lime	3580	3585			
Plugged back from	3585	to 3579			
Total Depth	3579				
Acidizing Record					
Amt.	Kind	Date	Results		
300)		10-20-37			
600) 3 Stage	Dowell xx	10-21-37	1 bbl. per hour		
1100)					
1000	Dowell xx	10-29-37	21 bbls. per hr.		
2000	Dowell xx	11-4-37	7 bbls. per hr.		
3000	Dowell xx	11-11-37	9 bbls. per hr.		

