

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,
800 Bitting Building,
Wichita, Kansas

OR
~~FORMATION PLUGGING RECORD~~

Strike out upper line
when reporting plugging
of formations.

RECEIVED
JUN 19 1936
H

6-19-36

Sedgwick County, Sec. 8 Twp. 27 Rge. 4 (E) (W)

Location as "NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ " or footage from lines SW Corner NW $\frac{1}{4}$

Lease Owner Derby Oil Company

Lease Name Bartholomew Well No. 1

Office Address

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

Date, well completed September 21, 1935 19

Application for plugging filed May 14, 1936 193

Application for plugging approved May 14, 1936 193

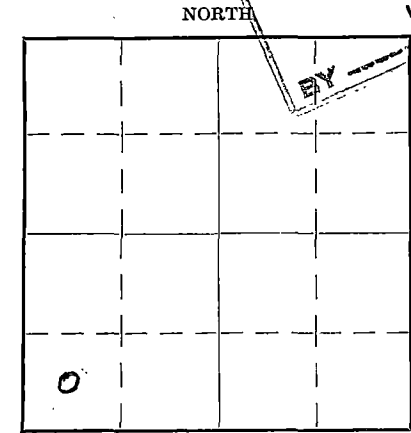
Plugging Commenced May 26, 1936 193

Plugging Completed June 9, 1936 193

Reason for abandonment of well or producing formation Not enough oil
to pay operating cost

If a producing well is abandoned, date of last production April 26, 1936 193

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 T. M. Cody

Producing formation Viola Lime Depth to top 4006 Bottom 4023 Total Depth of Well 4923 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
				15 $\frac{1}{2}$ " 7" OD	143" 4003	None 3520'

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.

Cement 4023' to 3995

Sand Cuttings 158'

Cement to 123'

Sand cuttings 15' from surface ~~1~~ 1 ft. over top
of 15 $\frac{1}{2}$ " surface casing *Cement.*

PLUGGING
FILE SEC 8 T 27 R 4 W
BOOK PAGE 46 LINE 19

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

Correspondence regarding this well should be addressed to Derby Oil Company
Address % O. B. Mullins
Wichita, Kansas

STATE OF Kanman, COUNTY OF Sedgwick, ss.

(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) *O. B. Mullins*

(Address)

SUBSCRIBED AND SWORN to before me this 18th day of June, 1936

My commission expires Jan 21 1939

Notary Public.

BARTHOLOMEW WELL #1

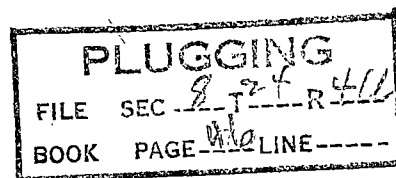
Operator: Derby Oil Company and SWC NW $\frac{1}{4}$ Sec. 8-27-4W
Penwest Oil Company Sedgwick County, Kansas
Rig: 122' Rotary Contractor: Rose-Spring
Drilling Commenced: June 10, 1935 Water furnished by
Drilling Completed: Sept. 21, 1936 Drilling Contractor

Casing Record

143' 15 $\frac{1}{2}$ " Casing - Cemented with 150 sacks
4003' 6-5/8 Casing - Cemented with 185 sacks

Drillers Log

Surface	143
Shale and Sand	387
Shale and Shells	730
Salt, Gyp Shells	830
Shale and Lime Shells	845
Shale	860
Salt and Shale	918
Salt and Lime Shells	968
Shale and Lime Shells	1005
Sand and Shale	1110
Broken Lime	1174
Shale-Lime-Flint	1230
Shale-Red Rock	1235
Shale	1245
Lime	1256
Shale	1278
Lime	1284
Shale	1301
Lime	1305
Shale	1512
Lime	1315
Shale	1350
Lime	1360
Shale	1551
Sandy Lime	1539
Shale	1544
Lime	1552
Shale	1680
Sand	1700
Shale	1742
Sandy Shale	1760
Shale	1948
Lime	1995
Broken Lime	2030
Broken Lime and Shale	2110
Lime	2130
Broken Lime and Shale	2170
Shale	2200
Lime	2219
Broken Lime and Shale	2280



Lime	2365
Broken Lime and Shale	2465
Lime	2506
Broken Lime and Shale	2542
Shale Black	2550
Broken Lime and Shale	2590
Lime	2610
Broken Lime and Shale	2726
Shale and Lime	2772
Broken Lime	2792
Shale	2804
Lime	2842
Broken Lime and Shale	2900
Broken Lime	2940
Lime	3035
Broken Lime and Shale	3103
Lime	3110
Broken Lime and Shale	3273
Lime	3295
Broken Lime and Shale	3375
Lime	3385
Broken Shale	3425
Shale and Shells	3459
Shale	3590
Shale and Lime	3512
Shale	3517
Hard Shell	3520
Shale	3591
Shale and Shells	3606
Chat	3610
S.L.M. - OK	
Reduced Hole to 7-7/8"	
Chat	3650
Halliburton Test 3610-3650	
15 minutes 13 bbls mud	
(thinner at bottom, slightly salty)	
Slight loss of mud from hole	
Chat	3696
Halliburton Tester	3645-3696
15 minutes - 5 bbls mud	
(Mud thinner at bottom and salty)	
Chat	3730
Halliburton Tester	3655 3730
15 minutes 19 bbls mud	
(Thinner at bottom and salty)	
(Slight loss of mud from hole)	
Chat	3815
Broken Lime and Shale	3845
Lime	3887
Shale	3980
Sand	3983
Shale	4011
Cored:	
Shale	4015
Sandy Lime	4016
Lime (Slight Oil Stain)	4018
Lime	4025
Halliburton Tester	4016 - 4025

PLUGGING			
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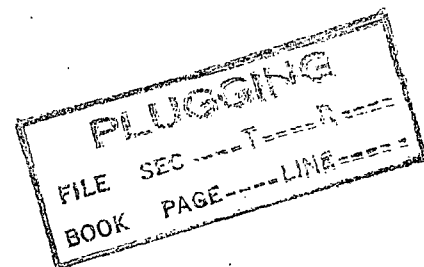
No test Leaky Drill Pipe
 2nd Halliburton Test
 10 Minutes $23\frac{1}{2}$ Bbls. Mud
 Drill Pipe Leaked
 Lime 4027
 Rotary Completed July 24, 1935
 Standardized August 9, 1935
 (Cardwell Unit)
 4027 = 4017
 Corrected top Viola 4006'
 Bailed hole and found bottom hole plug leaking
 Cleaned out to bottom
 Cemented back with 5 sacks 4017-4013
 Swabbed 7 bbls oil
 27 bbls water 10 hours August 16, 1935
 Cemented back to 4005 $\frac{1}{2}$ ' with 2 $\frac{1}{2}$ sacks
 Swabbed 1 bbl fluid per hour 25% oil
 Drilled cement out to 4009 $\frac{1}{2}$
 Swabbed 6 bbls water, 1 $\frac{1}{2}$ bbls oil 5 hours
 Drilled cement out to 4011 $\frac{1}{2}$, swabbing test showed same
 Drilled out and cemented 4017 $\frac{1}{2}$
 Swabbed 1 bbl water, 1 bbl oil in 2 hours
 Lime 4017 $\frac{1}{2}$ -4019
 Lime 4022 Inc oil and water
 Lime 4023
 Limo 4027
 Sandy Lime 4027 $\frac{1}{2}$
 Sandy lime and shale 4029
 Swabbed 8 bbls water, 4 bbls oil in 2 hours
 Lime 4035
 Swabbed 10 bbls fluid in 2 hours
 Sand White 4039
 Swabbed 11 bbls water and 4 bbls oil in 2 hours
 (8-31-35)
 Sand white 4047
 Swabbed 4 bbls oil and 9 bbls water in 2 hours
 Sand white 4056
 Swabbed - no increase in fluid
 Sandy Lime 4060
 Sand 4063
 Swabbed 2 bbls oil and 6 bbls water in 2 hours
 Sand Hard 4068
 Shale dark 4070
 Swabbed 4 bbls oil and 14 bbls water in 2 hours
 Sand and Shale 4073
 Shale 4082
 Sandy Shale 4083
 Shale 4087
 Swabbed - no increase in fluid
 Sandy Lime 4097
 Sandy Shale 4105
 Swabbed 7 bbls oil and 16 bbls water in 3 hours
 Sandy Shale 4110
 Shale Black 4117
 Lime and Shale Black 4128
 Sand and Shale 4130
 Sandy Lime 4134

PLUGGING			
FILE	SEC	T	R
BOOK	PAGE	LINE	

Lime and Shale 4137
 Lime 4145
 Swabbed 12-1/4 bbls oil and 38-1/4 bbls water 5 hours
 Lime 4150
 Swabbed 8 bbls oil and 80 1/2 bbls water in 3 hours
 Swabbing 350' off bottom
 Lime 4155

Coring:

4011-4018 7' Recovery
 Shale 4011-15
 Sandy Lime 4015-16
 Lime - Slight Oil Stain 4016-4018
 4018-21 No recovery
 4021-4023 1/2" Recovery
 Lime 4023-4025
 6" Recovery
 4025-4027
 3" Recovery



Straight Hole Tests:

500	1/4°	1500	3/4°
800	1/4°	2000	1/2°
820	1/4°	2500	1/2°
1000	1/2°	3000	1/2°
1380	3/4°	3500	1

Plugging Back Record

Plugged back 4155-4145 - with rock Drilled out cement to 4017 feet
 4145-4140 - with 400 lbs lead wool Tested 1-bbl fluid per hour 50% oil
 4140-4110 - with rocks and cuttings and 50% water
 4110-4108 - with lead wool Acidized 1000 gallons Oct. 1, 1935
 4108-4046 - with 35 sacks cement Tested 1-bbl fluid per hour oil and water
 4046-3987 - with 21 sacks cement Drilled out cement 4022 - no increase
 Drilled out cement 4023 - increase in fluid
 Swabbed 11 1/2 bbls oil)
 7 1/2 bbls water) 5 hours
 Acidized 1000 gallons October 5, 1935
 Swabbed 31 bbls oil)
 19 bbls water) 9 hours
 Potential Oct. 13, 1935 - 102 bbls oil and 22 bbls water, 24 hours pump

Reconditioning Operation

April 28, 1936 Pumping test 11 bbls oil - 75 bbls water
 Shot with 20 qts. solidified nitroglycerine tamped with 1 yd. sand 4003' to 4023' 5-1-36
 No Change
 Shot with 60 qts. solidified nitroglycerine tamped with 1 yd. sand 4003' to 4023'
 No Change
 Acidized 2000 gal. 5-10-36
 Swabbing test 5/14/36 11 hrs 11 1/2 bbls oil; 23 bbls water