

STATE OF KANSAS  
STATE CORPORATION COMMISSION  
200 Colorado Derby Building  
Wichita, Kansas 67202

WELL PLUGGING RECORD  
K.A.R.-82-3-117

API NUMBER 15-065-01487-00-01

LEASE NAME Putnam Investment Co. "A"

TYPE OR PRINT  
NOTICE: Fill out completely  
and return to Cons. Div.  
office within 30 days.

WELL NUMBER 2

2310 Ft. from <sup>N</sup>  Section Line

330 Ft. from <sup>W</sup>  Section Line

SEC. 23 TWP. 9S RGE. 21 ( or (W))

COUNTY Graham

Date Well Completed 12-28-43

Plugging Commenced 03-15-90

Plugging Completed 03-17-90

LEASE OPERATOR Phillips Petroleum Company

ADDRESS Route 3, Box 20-A, Great Bend, Kansas 67530

PHONE#(316) 793-8421 OPERATORS LICENSE NO. 5229

Character of Well Oil

(Oil, Gas, D&A, SWD, Input, Water Supply Well)

The plugging proposal was approved on March 15, 1990 (date)

by Herbert Deines (KCC District Agent's Name).

Is ACO-1 filed? No If not, is well log attached? Yes

Producing Formation LKC Depth to Top 3505' Bottom 3706' T.D. 3750'

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
Arbuckle	Oil & Water	Surface	239	10 3/4"	239	0
LKC	Oil & Water	Surface	3806	6	3806	0

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 each set. Perforate Anhydrite at 1715' and Dakota at 1035'. Pumped 480 sx 65/35 Pozmix w/10% gel w/500# hulls in first 75 sx down 6" casing. Pumped 35 bbl slurry down 10 3/4"-6" annulus and cement circulated out. Shut in annulus. Shut in pressure 150 psi. Top off csg w/6 sx cement.

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

Name of Plugging Contractor Phillips Petroleum Company License No. 5229

Address Route 3, Box 20-A, Great Bend, Kansas 67530

NAME OF PARTY RESPONSIBLE FOR PLUGGING FEES: Phillips Petroleum Company

STATE OF Kansas COUNTY OF Barton, ss.

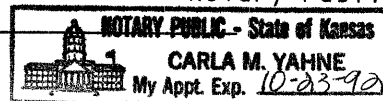
J. W. Taylor (Employee of Operator) or (Operator) of above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed that the same are true and correct, so help me God.

(Signature) J. W. Taylor

(Address) RT 3 Box 20 A, Great Bend, KS

SUBSCRIBED AND SWORN TO before me this 22nd day of March, 1990

Carla M. Yahne  
Notary Public



RECEIVED  
STATE CORPORATION COMMISSION

MAR 23 1990

3-23-90

Wichita, Kansas

Commission Expires: 10-23-92

Formation	From:	To:
Top table to top dirt	0	4
Surface dirt	4	30
Sand & clay & gravel	30	95
Clay	95	135
Shale and shells	135	220
Shale	220	869
Sand and shale	869	1395
Shale and shell	1395	1621
Red bed and shale	1621	1690
Lime	1690	1775
Lime and shale	1775	1900
Shale and shell	1900	2215
Shale and lime	2215	2282
Lime	2282	2435
Lime and shale	2435	2590
Lime	2590	2835
Lime and shale	2835	2910
Lime broken	2910	2930
Lime and shale	2930	3095
Broken lime	3095	3155
Lime and shale	3155	3195
Lime	3195	3744
Conglomerate	3744	3790
Lime	3790	3805
Chert and lime	3805	3807
Lime	3807	3815

Elevation 2312'

Top of Arbuckle Lime 3805'

Ran 240' of 10-3/4" OD 28# 3 Gauge Armeo Spiral Weld casing; set at 239'; cemented with 240 sacks of cement.

Ran 3831' of 6" OD 18# 8T Grade "H-40" Seamless casing; ran 6" OD 8T "Bakblu" male and female float collar and 6" OD 8T "Bakblu" regular guide shoe; set at 3806'; Cemented with 300 sacks of Halliburton bulk cement.

12/28/43 - Drilled out cement plug and hole filled 700' with oil in 5 hours.

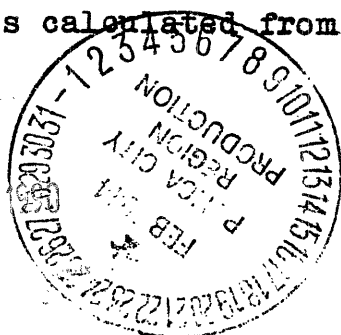
12/29/43 - Swabbed 15 bbls. oil in 6 hours.

12/30/43 - Acidized through 6" OD casing with 500 gallons of acid, from 3806' to 3814' in the Arbuckle Lime formation; maximum pressure 1525 lbs.; minimum pressure 1275 lbs.; 115 bbls. load oil were used in treatment; time required for treatment 1 hour and 20 minutes. After treatment well filled 3000' with oil. Swabbed 100 bbls. oil in 2 hours.

1/3/44 - Established Echometer Potential of 3,000 bbls. oil, no water. Total depth 3814' in Arbuckle Lime.

Note: Above footages calculated from cement floor level, except formations.

WMD-RDM  
-22-44  
LPC (3)  
File



FEB 1944

P & A Procedure No. 16-89

80 - 7037

March 30, 1989  
Great Bend, KS

**Putnam Investment Co. "A" No. 2**

2310' FNL & 330' FWL  
Sec. 23 - T9S - R21W  
Graham County, Kansas  
Morel Field, LKC Formation

Lease # 350154  
W.I. - 100%  
R.I. - 87.50%  
Cost Est. \$4000

Elevation: 2312' DF

Casing: 10 3/4", 28 set @ 239' w/ 240 sx cement.

6", 18# set @ 3806' w/300 sx cement.

PBTD: 3750' Total Depth: 3814'

Perforations: 3505-14', 3548-54', 3566-68', 3595-3600' LKC  
3639-42', 3660-66', 3675-84', 3692-3706' Form.

Note: Well had previously been an Arbuckle completion and was plugged back to 3750' due to an unrecoverable fish in hole. Procedure was dictated by KCC - Hays.

Procedure:

1. Notify KCC representative a minimum of 24 hours prior to beginning plugging operations. (KCC Hays: 628-1200)
2. Supervisor will conduct tailgate safety meeting with personnel involved in operations.
3. Dig out cellar and construct working pit. Open 6"-10 3/4" annulus to allow circulation up backside.
4. MIRU Perforating Company. Perforate w/ squeeze guns 1'-2' SPF at Anhydrite - 1915' (3 holes @ 120 deg. phasing if possible) and 50' below Dakota at 1035'. RDMO perforators.
5. MIRU cementing services company. Pump 280 sx 65/35 posmix w/ 10% gel down 6". Pump 200 sx of same into 6"-10 3/4" annulus by tying into the annulus. (Water requirements ~4 sx/bbl fresh water).
6. Check fillup in casing and annulus. If necessary fill to surface w/ redimix.
7. Cut casing off 3' below ground level. Weld plate over csg. Plate to be marked with "PPCo, well name, and date plugged."
6. Restore Location.

PPC 10 1973

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WMD-RDM  
2-22-44  
LPC (3)  
File

