

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

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

15-163-19430-0000

API NUMBER March 1991

LEASE NAME Baldwin

WELL NUMBER #4

990 Ft. from S Section Line

990 Ft. from E Section Line

SEC. 5 TWP. 10 RGE. 20 (E) or (W)

COUNTY Rooks

Date Well Completed 11/17/89

Plugging Commenced 9:15 A M

Plugging Completed 1:45 P M

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

LEASE OPERATOR L & F Oil Operator

ADDRESS 1611 E 28 Terr Box 1435

PHONE#(913) 628 1958 OPERATORS LICENSE NO. 5706

Character of Well SWD

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

The plugging proposal was approved on Nov. 27. 1989 (date)

by Dale F. Balthazor (KCC District Agent's Name).

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

Producing Formation _____ Depth to Top _____ Bottom _____ T.D. 4357

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>5 1/2</u>	<u>3983</u>	<u>None</u> <u>12-15-89</u> <u>15 1989</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 _____ each set.

Clean out to 1480, Run tubing to 1480, spotted 50sks common cement, pulled tubing to 600' spotted 50sks Common cement & 25 Sks 65/35 Poz 6% Gel. Pulled tubing, pumped down 5 1/2 casing 125 Sks 65/35 Poz & 6% Gel, 3Sks Hulls Max Preasurs 500# Closed in pres 200#, pumped down 8 1/8 75Sks 65/35 Poz 6% Gel Max 300# Close in Pres 200# Cement to top.

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

Name of Plugging Contractor Allied Cementing Inc License No. _____

Address Box 31 Russell Kansas 67665

NAME OF PARTY RESPONSIBLE FOR PLUGGING FEES: Floyd E Kelly

STATE OF KANSAS COUNTY OF ELLIS, ss.

Floyd E. Kelly (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.

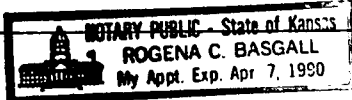
(Signature) Floyd E Kelly

(Address) 1611 E 28 Terr Box 1435 67661

SUBSCRIBED AND SWORN TO before me this 13th day of December, 19 89

Regina C. Basgall
Notary Public

My Commission Expires: _____



WELL LOG

Record of W. E. Baldwin Well No. 4
 Location: 990' from East line, 990' from South line, SW/4 Section 5, Township
 10 South, Range 20 West, Rooks County, Kansas - 160 Acres
 Rig Floor: 2272'
 Location Staked by: Harry Hunsley, Barton Co., Engineer 9-9-49
 Kind of Rig: Portable drilling
 Date Drilling Commenced: 9-14-49 8:00 P.M.
 Date Drilling Completed: 9-27-49
 Drilling Contractor: Harbar Drilling Company
 Date Completed Testing: P. B., Perf. & acidizing 10-4-49 - Dry Hole
 Total Depth: 3983' P. B. 3769'
 Kind of Tools used: Rotary, from 0 to 3983'
 Water Purchased From: Furnished by Harbar Drilling Company
 Geologist or Engineer working on well: R. C. Foley
 Who furnished data formation control points? R. C. Foley
 Deviation Test: 1000' - $\frac{1}{2}$, 1500' - $1\frac{1}{2}$, 1975' - $\frac{1}{2}$, 2400' - $\frac{1}{2}$, 3190' - $\frac{1}{2}$
 3500' - $\frac{1}{2}$
 Electrical Log Made: 9-27-49, Depth 3970' by Schlumberger

<u>FORMATIONS</u>	<u>TOP</u>
Kansas City	3555'
Conglomerate	3807'
Simpson	3822'
Solid Arbuckle	3883'

Perforation Report: Date 10-2-49 No. Holes 52 Depth 3883' to 3892 Arbuckle
 10-3-49 Perf. 30 holes, 3759-64' & 48 holes 3745-53' in
 Kansas City; 5 gallons muddy (No show)
 fluid an hour, no oil.
 10-4-49 Perf. 24 holes 3714-18' & 24 holes 3721-25' in
 Kansas City, No shows.

Acidization Report: 1300# to Vac.
Date 10-2-49 No. Gallons 1,000 Depth Perf. 3883-92'
Formation Arbuckle Acid by Dowell Results Swabbed 25
 barrels water, no oil.
 300# to Vac. Date 10-3-49 No. Gallons 3,000 Depth Perf. 3745-64'
Formation Kansas City Acid by Dowell Results Swabbed
 $1\frac{1}{2}$ barrels water an hour, no oil.

CASING RUN IN WELL

<u>Size</u>	<u>New</u>	<u>Weight Per</u>	<u>Feet</u>	<u>Grade-Range-Kind</u>	<u>Thread</u>	<u>Sacks</u>
<u>OD</u>	<u>S.H.</u>	<u>Ft.</u>				<u>Cmt.</u>
8-5/8" OD	SH	32#	490'	SS	8V	225
5-1/2" OD	New	15.5#	3981'	J-55 R-2 SS	8R	250

Bottom Cellar to Surface Level: 5'
 Surface Level to Derrick Floor: $2\frac{1}{2}$ '
 Derrick Floor to Top Rotary Bushing: $2\frac{1}{2}$ '
 Surface Level to Top Rotary Bushing: 5'
 Zero point 8.10' above Spider

DRILLERS LOGSurface Level Measurements

Surface Clays & Sand	35'	Shale & Lime	2620'
Shale & Shells	500	Lime & Shale	2825
(Set 8-5/8" OD casing at 494' w/225 sacks)		Shale & Lime	3150
Shale & Shells	585	Lime & Shale	3535
Shale & Sand	650	Lime	3565
Shale & Shells	695	Lime & Shale	3710
Shale	805	Lime	3800
Sand & Shale	945	Conglomerate	3835
Shale	1520	Lime & Shale	3865
Shale & Red Bed	1760	Lime	3983
Anhydrite	1815	(Set 5-1/2" OD casing at 3983' w/250	
Shale & Shells	2080	sacks cement. Top cement plug at	
Lime & Shale	2285	3954' not drilled.)	
Shale & Lime	2365	TOTAL DEPTH DRILLED	3983'
Lime & Shale	2505	Set Plug At 3769'	
		PLUGGED BACK TOTAL DEPTH	3769'

(Continued)

Well Log (Continued)

GEOLOGICAL TOPS

Top Topeka	3309'
Top Heebner	3513'
Top Dodge	3536'
Top Kansas City	3555'
Top Conglomerate	3807'
Top Simpson	3822'
Top Reworked Arbuckle	3879'
Top Solid Arbuckle	3883'

CONDITION OF WELL AT COMPLETION DATE

Harbar Drilling Company, Contractor, Rotary tools - Began drilling 9-14-49. Completed drilling 9-27-49. Completed perforating, acidizing & testing 10-4-49. Dry hole. Total Depth drilled 3983'. Top cement plug not drilled 3954'. Top Lane Wells plug at 3769' which is completed PBD. Perforated Arbuckle 52 holes, 3883-92' no show. Acid 1,000 gallons. Swabbed 25 barrels water, no oil. Set plug at 3769'. Perforated Kansas City 78 holes 3745-64', 5 gallons muddy fluid an hour, no oil. Acid 3,000 gallons, 1½ barrels water an hour, no oil. Perforated Kansas City, 24 holes, 3714-18' & 24 holes 3721-25' no shows. Completed as a dry hole. Shut in, standing for possible use in future as a disposal well. 8-5/8" casing set @ 494' w/225 sacks cement. 5-1/2" OD casing set @ 3983' with 250 sacks cement.

CONDITION OF WELL AT COMPLETION DATE: DRY HOLE

A brief review of development as follows on -

Sinclair Oil & Gas Company #4 Baldwin - NW SE SW 5-10-20W "Palco Pool" Rooks County, Kansas, Elevation 2272 Derrick Floor

"Rotary Bushing Figures"

Top Topeka Lime	3314	
Heebner	3518-3521	black carbonaceous shale
Dodge (Toronto)	3541-3551	
Top Lansing	3560	
Top Conglomerate	3818	samples, Schlumberger unable to pick.
Top Simpson	3861	" " " " "
Simpson Sand	3861-3865	- no show of oil
Simpson Shale	3865-3874	
Simpson dolomite	3874-3879	
Simpson Shale	3879-3886	
Top Arbuckle	3886	
(5-1/2" Casing at 3988 - Cement 250 sacks, Rotary total depth)		
Top of cement	3969	- amount left in the casing
Perforate 52 holes	3888-3897	In arbuckle
Acidize 1000 gallons 1300# to vacuum. Swab 25 barrels water per hour - no oil.		
Set Lane Wells Plug	3774-3777	
Perforate 78 holes	3764-3769 and 3750-3758	no show
Acidize 3000 gallons 300# to vacuum. Tests 1½ barrels water per hour. - Perforate 24 holes 3726-3730 no show - Perforate 24 holes 3719-3723 no show. Operations suspended 10/5/49. Prepare to "workover" for salt water disposal. October 27, 1950 to November 21, 1950 stage cement to top. Squeeze old perf. Start to drill "new hole" with cable tools. Sample determinations of cable tool cuttings as follows- Old rotary bushing depth 3988 equals 3983 ground level datum. Cable tool samples start 3983- Arbuckle 3983-4267 dolomite, Fine to coarse to dense. Reagan 4267-4336½ sand, Fine, medium to coarse, Granite 4336½-4357 feldspar, biotite, trace schists T.D. Total amount Arbuckle present was 386 feet. Top 100 feet cased off, Some fair to good porosity could be noted 4015-4042 & 4164-4191. Other samples were pulverized to "rock flour" under the water load. Total amount of Reagan sand present was 69½ feet. Total amount Granite penetrated was 20½ feet. Completion 12/21/50, Input test 400 barrels 55 min, on vacuum.		