

15.055.10034.0000

JUN 7 1985

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

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

API NUMBER NR Drld. 5-149

LEASE NAME Ely

WELL NUMBER 1

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

660 Ft. from S Section Line

3300 Ft. from E Section Line

SEC. 27 TWP. 21 RGE. 34 (X) or (W)

COUNTY Finney

Date Well Completed 5-26-49

Plugging Commenced 1-29-90

Plugging Completed 1-30-90

LEASE OPERATOR Petroleum Production Management, Inc.

ADDRESS 209 E. William, Suite 200, Wichita, KS 67202

PHONE# (316) 265-4651 OPERATORS LICENSE NO. 6234

Character of Well oil

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

Did you notify the KCC/KDHE Joint District Office prior to plugging this well? Yes

Which KCC/KDHE Joint Office did you notify? District I

Is ACO-1 filed? no If not, is well log attached? Yes - submitted with app. to P & A

Producing Formation Marm. Depth to Top 4294 Bottom 4310 T.D. 4730

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
Miss.	oil	4631	4730	10-3/4	245	0
Marm.	oil	4294	4310	5 1/2	4631	300

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.

Baker P-1 BP @ 4192'. Retainer @ 1153' with 80 sx. below. Cmt. on top to 1134'. Shot off csg. @ 300' & pulled. Ran tbg. to 300' & filled to surface with Class H cement. Pull tbg. & top off to surface with cmt. Total cmt. to fill 5 1/2" & 10-3/4" - 165 sx. Plugging witnessed by Richard Lacy, KCC.

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

Name of Plugging Contractor Halliburton Services License No. 2-5-90

Address Liberal, KS

STATE OF Kansas COUNTY OF Sedgwick, ss.

(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) Steve Park

(Address) Wichita, KS. 67202

SUBSCRIBED AND SWORN TO before me this 1st. day of February, 1990

Margaret A. Mark  
Notary Public

My Commission Expires: 3-1-92



R. W. LANGE

15-055-10034-0000

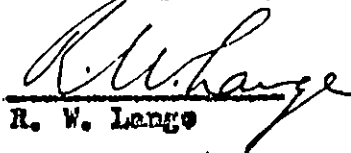
June 28, 1949

Mr. James E. Ely  
Garden City, Kansas

Dear Mr. Ely:

Please find attached hereto history and geological report  
on your Ely No. 1 well, located in the SW<sup>1</sup>/<sub>4</sub> of Section 27,  
Township 21 South, Range 3<sup>4</sup>/<sub>4</sub> West, Finney County, Kansas.

Yours very truly,

  
R. W. Lange

RWL:fv

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STATE CORPORATION COMMISSION

FEB 5 1990

CONSERVATION DIVISION  
Wichita, Kansas

## RLY NO. 1 - GEOLOGY

Following are the formations as picked from samples and Lane-Wells Radioactivity Log. Measurements are taken from the Radioactivity Log.

Elevation: 2957 Formation	Depth	Datum
Cimarron Anhydrite	1660	+1097
Kerington	2513	+ 444
Upper Fort Riley	2627	+ 330
Lansing-Kansas City	3770	- 813
Marmaton	4225	-1268
Marmaton Producing Zone	4294	-1337
Cherokee Producing Zone	4574	-1617
Mississippian	4616	-1659
Total Depth	4730	-1773

The Hugoton Gas Zone from 2513 to 2700 is composed of sandstone, shale and limestone. The limestones appeared to be porous and probably would produce gas. Within the Lansing-Kansas City there is a prominent zone of porosity from 4095 to 4120. This zone is composed of oolitic and collicastic limestones and may have rather high porosity and good permeability. It is correlative to the zone in Shallow Waters' wells No. 1 that was tested with a formation tester at the time of drilling and which produced sulphur water.

Below this zone down to the top of the Marmaton there are no other zones with porosity. The top 70 feet of the Marmaton seems to be dense lime and shale with the first porous zone from 4294 to 4310. This is Shallow Waters' Marmaton "B" Zone and is composed of oolitic and collicastic limestone, showing oil staining in the samples. The thickness of this zone at this location is much greater than has been found in any of the other wells drilled in the field to date. This zone was cored by Shallow Water in several of their wells and core analyses indicated the formation to have a porosity of approximately eighteen percent and an oil saturation of sixteen percent. Using these figures would indicate approximately

RECORDED  
FEB 5 1990STATE CORPORATION COMMISSION  
CONSERVATION DIVISION  
Wichita, Kansas

**JOB LOG**

FORM 2013 R-2

WELL NO. 1 LEASE E14 U.S. 55-10034-0000  
 TICKET NO. 917956  
 CUSTOMER Peter's Prod. Mgmt. Int. PAGE NO. 1  
 JOB TYPE 115 PTA DATE 1-30-90

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	09:00							Called out Ready 09:00
	09:15							on loc. Rig setting up to R-756
	09:30							Iron & wellhead, R-756
	09:30							Hook up to T56 at 309'
	09:36							prop H <sub>2</sub> O to Circulate
	09:44		17					Circulate 10 <sup>1/2</sup> min cont
	09:46							prop cont 2.0% premix at 16.4%
	09:57							CK pit.
	10:08							Circulate cont, 31 RPM,
								Knock loss pull T56
	10:16		31.5					Top off 1/2 API
	10:30							Hole starting full put Rest cont to pit
	10:45							Released
								17 API H <sub>2</sub> O to eye
								31.5 API cont TO Fill hole 50'
								6.5 API TO pit.

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FEB 14 1990

CONSERVATION DIVISION  
Wichita, Kansas

Thanks For Calling Halliburton Services  
Larry D. Good & crew

R. W. LANGE

15.055.10034.0000

June 28, 1949

Mr. James E. Ely  
Garden City, Kansas

Dear Mr. Ely:

Please find attached hereto history and geological report  
on your Ely No. 1 well, located in the SW/4 of Section 27,  
Township 21 South, Range 34 West, Finney County, Kansas.

Yours very truly,

  
R. W. Lange

RWL:fv

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NOV - 3 1969

CONSERVATION DIVISION  
Wichita, Kansas

H. M. FVLGE  
R. W. LANGE

ELY NO. 1 - HISTORY

- 5-8-49 Spudded in 8:30 p.m.
- 5-9-49 Ran six joints 10 3/4 inch casing (246 feet), and cemented at 245 feet with 150 sacks of Halliburton bulk cement.
- 5-22-49 Depth 4320. Ran Halliburton Drill Stem Test. Set packer at 4305. Tool open 47 minutes. Recovered 30 feet of oily mud, little gas, no water.
- 5-26-49 Total depth 4632. Ran one hundred and forty-four joints (4,640 feet) of 5 1/2 inch, 14 pound, J-55 casing with a Baker Guide Shoe on bottom and float collar on top of the bottom joint, with five Baker Casing Centralizers from 4250 to 4630. Set at 4631 feet and cemented with 150 sacks of Halliburton bulk cement. Top of the 7 inch casing was hung in a Braden Head, welded to 10 inch casing.
- 5-31-49 Moved out rotary. Moved in cable tools, swabbed casing. Drilled cement and plugs; drilled formation to 4645 feet and stuck tools.
- 6-1-49 Jarred tools loose from bottom and started to pull out. Tools stuck 1,000 feet off bottom. Jarred tools out.
- 6-2-49 Ran swage to 3600. Pulled out after jarring for one hour. Ran bit to bottom and continued drilling. Pipe was not swaged out. Apparently the tools were stuck by a piece of belting from the cementing plug. After this initial trouble there was never any difficulty in getting the tools through the casing or swabbing the casing.
- 6-4-49 Depth 4702. Due to the heavy rains, water rose above the drilling nipple and flowed into the hole. It is impossible to tell how much water flowed into the hole, but seventeen bailers full were bailed out before continuing to drill.
- 6-6-49 Depth 4730. Show of oil while drilling from 4726 to 4730. Fluid level rose 200 feet in two hours.
- 6-7-49 Ran Lane-Wells Radioactivity Log, 4730 to the surface.
- 6-9-49 Bailed oil and water two days and shut down because of rain.
- 6-11-49 Resumed swabbing, 600 feet of fluid in the hole - 300 feet of oil and 300 feet of water.
- 6-12-49 Bailed hole clean and acidized with 1,000 gallons of Dowell XF18W17 acid, followed with 105 barrels of water.
- 6-15-49 Swabbed and bailed 170 barrels of fluid, including 31 barrels of oil. Ran 4,711 feet of 2 1/2 inch tubing, rods and pump.

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NOV - 3 1989  
CONSERVATION DIVISION  
Wichita, Kansas

R. W. LANGE

WLT NO. 1 - HISTORY - CONT'D.

- 6-17-49 Pumped well for 31 hours and 45 minutes, recovered 109 barrels fluid, fifty per cent oil. Pulled rods and tubing.
  - 6-18-49 Set Lane-Well's Plug at 4350 and perforated with sixty-four cone type shots from 4294 to 4310. Placed 5 1/2 inch by 12 inch nipple in collar on top of production string of casing and placed Hinderliter, 2,000 pound tubing head on this nipple. Ran 4346 feet of tubing and eighty-one 7/8 inch rods, with Huber Paddles on them, and ninety 3/4 inch rods. Acidized with 1,000 gallons of Dowell F18W17 acid, followed with 70 barrels of oil, and started pumping.
- Note: To make this treatment 90 barrels of oil were purchased from Shallow Water and placed in our tank.
- 6-20-49 Acidized with 4,000 gallons of Dowell F1805W17, followed by 70 barrels of oil. Pumped until 10 p.m. and shut down.
  - 6-21-49 Started State Potential Test at 7 a.m. Finished at 3 p.m. State Potential 543 barrels of oil per day.

Following are Slope Tests made during drilling of the rotary hole, with a Sperry-Sun inclinometer.

Depth	Inclination
1,000 feet	1/2 degree
1,500 feet	1/2 degree
2,000 feet	1 degree
2,500 feet	1/4 degree
3,000 feet	1/2 degree
3,500 feet	3/4 degree
4,000 feet	1/2 degree

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STATE GEOLOGICAL COMMISSION

NOV - 3 1989

OBSERVATION DIVISION  
Wichita, Kansas

## ELY NO. 1 - GEOLOGY

Following are the formations as picked from samples and Lane-Wells Radioactivity Log. Measurements are taken from the Radioactivity Log.

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## WELL NO. 1 - GEOLOGY - CONT'D.

235 barrels of oil per acre foot and assuming one well to 40 acres and 16 feet of productive zone, this would indicate approximately 150,000 barrels of oil in place surrounding this well.

By primary recovery methods it will probably be impossible to produce more than one-half of this amount of oil and I would consider that 75,000 barrels would be a conservative estimate of the ultimate recovery.

Below this zone there is approximately five feet of porosity indicated from the drilling time and from the Radioactivity Log between the depths of 4428 to 4433. There was also a trace of oil stained oolitic limestone from samples near this interval and it might be that this interval would produce oil. There is also a zone with possible oil bearing limestone from 4490 to 4498.

These are the only zones that are considered worth testing in the Pennsylvanian.

As for the Mississippian, casing was set at the top of this zone and cable tool hole drilled to 4730. The first show of oil was noted after drilling from 4726 to 4730. The fluid produced from this zone was fifty percent water. After the zone that is being produced at present is depleted down to the point of making about thirty barrels of oil per day, I would recommend knocking out the Lane-Wellis plug, cleaning out the bottom and deepening this hole approximately twenty or thirty feet to see if there is an oil zone below the present total depth. If there is the well could be completed at that point, or if not, I would set a drillable plug in the casing and perforate first 4490 to 4498 and testing, and second 4428 to 4433 and testing.

The Cherokee Zone that has recently been tested by Shallow Water in their Davis No. 3


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## ELY NO. 1 - GEOLOGY - CONT'D.

does not appear to be productive at this location.

A copy of the drilling time log and treating reports are attached to this report and copies of the daily drilling reports and all testing reports are in my files.

RWL:fv

  
R. W. Lange,  
Professional Engineer

Garden City, Kansas  
June 28, 1949

NOV - 3 1989



Kansas Corporation Commission

MIKE HAYDEN	GOVERNOR
KEITH R. HENLEY	CHAIRMAN
RICH KOWALEWSKI	COMMISSIONER
MARGALEE WRIGHT	COMMISSIONER
JUDITH McCONNELL	EXECUTIVE DIRECTOR
FRANK A. CARO, JR.	GENERAL COUNSEL

THIS NOTICE

FEB 0 6 1990

EXPIRES

CONSERVATION DIVISION  
 SHARI FEIST ALBRECHT, DIRECTOR  
 200 Colorado Derby Bldg.  
 202 W. 1st Street  
 Wichita, KS 67202-1286  
 (316) 263-3238

November 6, 1989

NOTICE OF RECEIPT OF WELL PLUGGING APPLICATION

Petroleum Production Management, Inc.  
 200 Sutton Place Bldg.  
 Wichita, KS 67202

Ely 1  
 C/SE SW  
 Sec. 27-21-34W  
 Finney County

Gentlemen:

This letter is to notify you that the Conservation Division is in receipt of your plugging proposal, form CP-1, for the above-captioned well.

Your CP-1 has been reviewed by the Conservation Division central office for completeness and to verify license numbers. The plugging proposal will now be forwarded to the district office listed below for review of your proposed method of plugging. Please contact the district office to review your proposed plugging method at least five (5) days before plugging the well.

It has recently come to my attention that the form CP-1 has been filed by operators other than the owner or operator of the well and without the consent of the owner or operator. The Conservation Division's review of form CP-1, either in the central or district office, does not include an inquiry into well ownership or the filing operator's legal right to plug the well. The CP-1 is simply reviewed to determine compliance with plugging rules and regulations.

This notice in no way constitutes authorization to plug the above-captioned well by persons not having legal rights of ownership or interest in the well. This notice is void after ninety (90) days from the above date.

Sincerely,

*Shari Feist Albrecht*  
 Shari Feist Albrecht  
 Director

District: #1 304 W. McArtor  
 \_\_\_\_\_  
 Dodge City, KS 67801  
 \_\_\_\_\_  
 (316) 225-6760  
 \_\_\_\_\_