

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

ORIGINAL

API NO. 15- 195-22,101-00-00

County Trego

NE - SW - SE - Sec. 4 Twp. 12S Rge. 24 EW

990 Feet from (S)W (circle one) Line of Section

1,650 Feet from (E)W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
NE, (SE), NW or SW (circle one)

Lease Name Fowler Well # 1

Field Name (wildcat)

Producing Formation

Elevation: Ground 2505' KB 2510'

Total Depth 4135' PBD

Amount of Surface Pipe Set and Cemented at 217 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cmt.

Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) AIT II DTD

Chloride content 28,000 ppm Fluid volume 1,800 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite:  
(not hauled)

Operator Name

Lease Name License No.

Quarter Sec. Twp. S Rng. E/W

County Docket No.

Operator: License # 5135

Name: John O. Farmer, Inc.

Address P.O. Box 352

City/State/Zip Russell, KS 67665

Purchaser:

Operator Contact Person: Marge Schulte

Phone (913) 483-3144

Contractor: Name: Shields Drilling Co., Inc.

License: 5655

Wellsite Geologist: John O. Farmer IV

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator:

Well Name:

Comp. Date Old Total Depth

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBD  
 Commingled Docket No.  
 Dual Completion Docket No.  
 Other (SWD or Inj?) Docket No.

12-2-91 12-8-91  
Spud Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Ronald B. Galt

Title Secretary-Treasurer Date 12-30-91

Subscribed and sworn to before me this 30th day of December 19 91.

Notary Public Margaret A. Schulte  
Margaret A. Schulte

Date Commission Expires



K.C.C. OFFICE USE ONLY  
F Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
DISTRIBUTION  
 KCC  SUD/Rep  NGPA  
 KGS  Plug  Other (Specify)  
DEC 31 1991  
12-31-1991

Operator Name John O. Farmer, Inc. Lease Name Fowler Well # 1

Sec. 4 Twp. 12S Rge. 24  
 East  
 West

County Trego

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken  Yes  No  
 (Attach Additional Sheets.)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy.)

List All E.Logs Run:  
R A Guard Log

\* COPY OF SHIELDS DRILLERS LOG ATTACHED.

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Anhydrite	2082'	(+428)
Base/Anhy. *	2126'	(+384)
Topeka	3618'	(-1108)
Heebner	3845'	(-1335)
Toronto *	3865'	(-1355)
Lansing	3880'	(-1370)
Base/LKC	4124'	(-1614)
L.T.D.	4136'	(-1626)

\* (SAMPLE TOPS)

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"		217'	60-40 Pozmix	140	3% C.C., 2% gel

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used) Depth

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_



Shields

15-195-22101-00-00

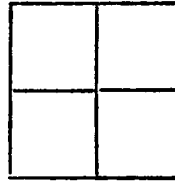
Russell, Kansas

ORIGINAL

WELL LOG

Operator: John O. Farmer, Inc.  
 Well: Fowler #1  
 Commenced: December 2, 1991  
 Completed: December 9, 1991  
 Contractor: Shields Drilling Co.

Well Description: NE SW SE  
 Sec. 4-12S-24W  
 Trego Co., KS.



CASING RECORD

Size	Run	Pulled
8 5/8"	217'	Cmtd. w/140 sax

Elevation: 2,510' KB

Treatment:

Production: D & A

Tops:

..... Figures Indicate Bottom of Formations .....

Clay, shale & lime streaks	114'	
Shale	692'	
Shale & sand	1,355'	
Shale	2,082'	
Anhydrite	2,126'	
Shale	3,066'	
Shale & lime	3,873'	
Lime	4,135'	RTD

RECEIVED

MINERAL COMMISSION

DEC 31 1991

DIVISION  
GEOLOGICAL SURVEY

DATE 12-9-91

OPERATOR: JOHN O. FARMER, INC.  
RUSSELL, KANSAS

CONTRACTOR: Shields Drilling Co., Inc.  
Shields Building, Main Street  
Russell, KS 67665

Spud Date 12-2-1991

Set 211 ' 8 5/8 " casing, 140 sx. cement

Completed 12-3-91 at 3:30 a.m.

Plugged: 12-9-91

CREW: Rig # 2

Toolpusher Burt Beery

Drillers D - Larry McAdoo

E - Burt Beery & Cliff

M - Steve Meyer

ELEVATION: American Elevations, Inc.  
P. O. Box 56  
Hays, KS 67601

Ground Level 2505'

Kelly Bushing 2510'

All measurements shown are from Kelly Bushing.

SAMPLES: 10 foot intervals from 3600' to  
4135', and                      foot intervals from  
                     to                      R.T.D. All samples

were examined and described and sent to the Wichita  
Sample Bureau, Wichita, Kansas.

DRILLING TIME: 1 foot intervals from 3600' to  
4135' R.T.D.

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STATE CORPORATION COMMISSION

DEC 31 1991

CONSERVATION DIVISION  
Wichita, Kansas

ORIGINAL

15-195-22101-00-00

JOHN O. FARMER, INC.

OIL PRODUCERS AND DRILLING CONTRACTORS

BOX 352

RUSSELL, KANSAS 67665

913-483-3144

Fowler #1  
NE SW SE 4-12-24  
Trego County, Kansas

DAILY PROGRESS:

12/2 - Moved in & Rigged up. Spud at 8:00 p.m.  
12/3 - 220', WOC. Set 2 1/2" of 8 5/8 at 217' KB with 140 sacks of 60/40 pozmix, 2% Gel, 3% CC. Plug down at 3:30 a.m., kick off at 3:30 p.m.  
12/4 - 1355', Drilling  
12/5 - 2662', Drilling  
12/6 - 3253', Drilling  
12/7 - 3727', Drilling  
12/8 - 4058', Circulating for samples, reached TD at 2:17 p.m., Logged around 7:30 p.m., plugged as D & A. Plugged with 25 sacks at 2100', 100 sacks at 1155', 40 sacks at 270', 10 sacks at 40', 15 sacks in Rathole, 10 sacks in Mousehole. 200 sacks total with 60/40 pozmix, 6% Gel, and 1/4# Floseal per sack of cement.

SERVICE COMPANIES:

Drilling Mud: Andy's Mud  
Cement: Allied Cementing  
Electric Logs: Log-Tech  
DST's: Cheney (no DST's run)

FORMATION TOPS:

Elevation: 2510 KB, 2505 GL (measurements from KB)

<u>Formation</u>	<u>Log Top</u>	<u>Sample Top</u>	Structural Relation
			to #1 Melinowsky. <u>NE SE NW 4-12-24</u>
Anhydrite	2082 (+428)	2082 (428)	-5
B/Anhydrite	2128 (+382)	2126 (+384)	
Topeka	3618 (-1108)	3619 (-1109)	
Heebner	3845 (-1335)	3843 (-1333)	-4
Toronto	3865 (-1355)	3684 (-1354)	-4
Lansing	3880 (-1370)	3880 (-1370)	-2
Lansing "I"	4047 (-1537)	4046 (-1536)	-6
Base K.C.	4124 (-1614)	4127 (-1617)	-2
Total Depth	4136 (-1626)	4135 (-1625)	

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STATE DEPARTMENT OF REVENUE

DEC 31 1991

STATE DEPARTMENT OF REVENUE  
OFFICE OF THE COMMISSIONER

ORIGINAL

SAMPLE SHOWS (LOG TOPS):

15-195-22101-00-00

- Lansing C  
3916-24 Limestone, white to cream color, fine grained wackestone, no to poor intergranular and pinpoint porosity. 2% of sample with dark black, tarry staining, 1% of sample containing stain with heavy black free oil (gravity  $\approx$  30). A trace of good live oil in some samples. Poor fluorescence poor cut, no odor.
- Lansing D  
3928-40 Limestone, white to light gray, fine grained packstone, fair pinpoint, and vuggy porosity. 10% of sample with a good show of dark black staining, saturated with heavy black free oil ( $\approx$  30 gravity). Trace of good live oil. Free oil in all sample with show, fair fluorescence, good cut, no odor.
- 3940-49 Limestone, white to light gray, medium grained packstone and fine grained grainstone. 2 to 3% of sample with good dark staining, all staining with a good show of heavy free oil. Grainstone is mostly dense with some pinpoint and vuggy porosity. Packstone has fair vuggy and moldic porosity. Poor fluorescence, good cut, no odor.
- Lansing E  
3969-82 Dolomite, white to light pink, medium grained idiomatic fabric (very cherty), fair show very tarry oil (sticky and spongy), no free oil, poor porosity, poor fluorescence, fair cut.
- Lansing H  
4024-30 Limestone, white to light gray, medium grained oolitic fossil packstone, dense with poor to no porosity. Very chalky and cherty. No show, no odor. (This zone calculated as Pay on E-Log).
- Lansing I  
4047-57 Limestone, white to cream colored, medium grained oolitic packstone and wackestone, Very tight with a trace of good pinpoint and vuggy porosity with good staining with a good show of heavy black oil. No odor.

\* Note: Sample with shows from the Lansing "D" zone seemed to have carried throughout the samples to TD (noted in Plotted Geological Report). The shows were very distinctive and carried around 1 to 2% of sample throughout the remaining Lansing-Kansas City section.

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STATE COMMISSION

DEC 31 1991

STATE COMMISSION

SUMMARY AND RECOMMENDATIONS:

ORIGINAL

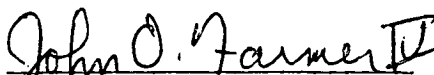
15-195-22101-00-00

The Fowler #1 was Plugged and Abandoned due to lack of commercial shows in the Lansing-Kansas City, low structural position, and poor porosity in zones with show. The main objective, the "I" zone (4-46-58) sample) was tight with very minimal shows. The "H" zone (4022-27) calculated as pay on the E-Log, but samples indicated the zone to be very chalky with no shows of oil. The good show in the "D" zone came from the upper 2' (3928-30), and the log indicated only 7% porosity in this thin interval, the rest having only 1% porosity. Due to low porosity calculations in this zone, it was deemed as non-commercial and did not merit a drill stem test.

The drilling of this hole was based on a seismic idea that appeared similar to the Voda Pool to the north. The Anhydrite to Lansing Isotime Map suggested thinning and strong dip to the east, very similar to the seismic data for the Voda Pool. As it turned out, the seismic data did not hold up and there was no thinning in the Anhydrite to Lansing interval.

Respectfully Submitted,

JOHN O. FARMER, INC.

  
John O. Farmer IV

JOFIV/kb

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STATE CORPORATION COMMISSION

DEC 31 1991

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STATE CORPORATION COMMISSION

Phone 913-483-2627, Russell, Kansas  
 Phone 316-793-5861, Great Bend, Kansas

ORIGINAL

Phone Plainville 913-434-2812  
 Phone New City 913-798-3843

15-195-22101-00-00

**ALLIED CEMENTING CO., INC.**

Home Office P. O. Box 31

Russell, Kansas 67665

**COPY**

Date <i>New</i> 12-3-91	Sec. 4	Twp. 12	Range 24	Called Out	On Location	Job Start	Finish 3:30AM
Lease <i>Fowler</i>	Well No. 1	Location <i>Uoda I-70 Exit 1/2 N 1/2 E</i>			County <i>Trego</i>	State <i>Ks</i>	
Contractor <i>Shields Dr/g</i>				Owner <i>VAN</i>			
Type Job <i>Surface</i>				To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Hole Size <i>12 1/4</i>	T.D. <i>220</i>						
Csg. <i>8 1/2</i>	Depth <i>217</i>						
Tbg. Size	Depth						
Drill Pipe	Depth						
Tool	Depth						
Cement Left in Csg. <i>10 1/2</i>	Shoe Joint						
Press Max.	Minimum						
Meas Line	Displace						
Perf.							

Charge To *John O former Inc*

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. *Burton Beery*

X *Burton Beery*

**CEMENT**

Amount Ordered *140 60 3% CC 2% gel*

Consisting of

Common	
Poz. Mix	
Gel.	
Chloride	
Quickset	

Sales Tax	
Handling	
Mileage	
Sub Total	
Total	

Floating Equipment

**EQUIPMENT**

No.	Cementor	<i>Dave Jewell</i>
Pumptrk <i>153</i>	Helper	
No.	Cementor	<i>Jason</i>
Pumptrk	Helper	
	Driver	
Bulktrk <i>218</i>	Driver	

**DEPTH of Job**

Reference:	<i>Dump trk city</i>	
	<i>2 1/2 per mile</i>	
	<i>8 1/2</i>	
	Sub Total	
	Tax	
	Total	

Remarks: *Cement Cir*

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 STATE OF KANSAS

DEC 3 1 1991

RESERVATION DEPARTMENT  
 WICHITA, KANSAS



Phone 913-483-2627, Russell, Kansas  
 Phone 316-793-5861, Great Bend, Kansas

ORIGINAL

15-195-22101-00-00

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

COPY 1826

# ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

12-9-91

Date	12-8-91	Sec.	4	Twp.	12	Range	24	Called Out	9:00 PM	On Location	12:30 AM	Job Start	1:30 AM	Finish	5:30 AM	
Lease	Fowler	Well No.	# 1	Location		Vod2 E70 EN 1/2 E 4 N		Trego		County	Trego	State	Kansas			
Contractor	Shields Dring Rig 2					Owner	Same									
Type Job	PLUG															
Hole Size	7 7/8"		T.D.	4135'												
Csg.	8 5/8"		Depth	217'												
Tbg. Size			Depth													
Drill Pipe			Depth													
Tool			Depth													
Cement Left in Csg.			Shoe Joint													
Press Max.			Minimum													
Meas Line			Displace													
Perf.																

To Allied Cementing Co., Inc.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To John D. Farmer INC.

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. X Larry M'Adoo

**CEMENT**

Amount Ordered 200 SKS 60/40 Poz. 6% Gel 1/4 Flo-seal

Consisting of  
 Common  
 Poz. Mix  
 Gel.  
 Chloride  
 Quickset

Handling  
 Mileage  
 Sub Total  
 Total

Floating Equipment

*[Handwritten Signature]*

DEC 31 1991

**EQUIPMENT**

#177	No.	Cementer	<u>M. Kaufman</u>
Pumptrk		Helper	<u>Will H.</u>
#218	No.	Cementer	
Pumptrk		Helper	
Bulktrk		Driver	<u>JASON C.</u>
Bulktrk		Driver	

**DEPTH of Job**

Reference:	#	<u>PUMP TRK</u>	
		<u>1-8 5/8" PLUG</u>	
		Sub Total	
		Tax	
		Total	

Remarks:  
 25 SKS @ 2100'  
 100 SKS @ 1155'  
 40 SKS @ 270'  
 10 SKS @ 40'  
 15 SKS IN RAT Hole  
 10 SKS IN MOUSEHOLE