



**SIDE TWO**

Operator Name Frontier Oil Company Lease Name Abbott "A" Well # 1  
 Sec. 34 Twp. 11 Rge. 15  East  West County Russell FROM CONFIDENTIAL

**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.)

Name	Formation Description	
	Top	Bottom
Anhydrite	905	+925
Topeka	2712	-882
Heebner	2934	-1104
Toronto	2954	-1124
Lansing-KS City	2984	-1154
Base of KS City	3238	-1408
Arbuckle	3299	-1469
RTD	3304	-1474
DDTD	3322	-1492

DST #1 (3046-3080) 60-30-60-30.  
 Rec. 780' SW. IF 88-265, FF 285-334, ISIP 620, FSIP 610.  
 DST #2 (3170-3210) 60-30-30-30.  
 Rec. 15 M w/few specks of oil. IF 20-20, FF 20-20, ISIP 29, FSIP 20.

**CASING RECORD**  New  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 1/2"	8 5/8"	20# New	254	60-40 POZ	145	2%gel, 3%cc
Production	7-7/8"	4 1/2"	10 1/2# Used	3300	Common	150	10% Salt

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	3299-3302	500 gal, 15% INS	3299-3302
		1000 gal 15% Mud Acid	3299-3302

**TUBING RECORD** N/A Size Set At Packer At Liner Run  Yes  No

Date of First Production N/A Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)  
 Estimated Production Per 24 Hours N/A Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity

Disposition of Gas: N/A **METHOD OF COMPLETION** Production Interval  
 Vented  Sold  Used on Lease (If vented, submit ACO-18.)  Open Hole  Perforation  Dually Completed  Commingled  
 Other (Specify) \_\_\_\_\_

CONFIDENTIAL  
CONFIDENTIAL

15-167-22880-0000

SIDE TWO (Page Two)

ACO-1 WELL HISTORY

OPERATOR FRONTIER OIL CO. LEASE NAME ABBOTT "A" # 1 SEC. 34 TWP. 11 RGE. 15W

**FILL IN WELL LOG AS REQUIRED:**

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
<p>DST #3 (3257-3304) 60-30-60-30. Rec. 30' GIP, 60' Hvy OCM. IF 39-49, FF 49-59, ISIP 443, FSIP 532.</p>				

RELEASED

JUL 02 1991

FROM CONFIDENTIAL

RECEIVED  
STATE COOPERATION COMMISSION  
JUN 19 1990  
CONSERVATION DIVISION  
Wichita, Kansas

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

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

# ALLIED CEMENTING CO., INC. No. 9912

Home Office P. O. Box 31 Russell, Kansas 67665

*old*

6-6-90  
 ABBOTT  
 Contractor Kelso csg. Pullers  
 Job Plug ABANDONED well  
 Size 7 7/8  
 8 5/8  
 Size 4 1/2  
 Pipe  
 Left in Csg.  
 Max. 800#  
 Line

Sec. 34  
 Twp. 11 S  
 Range 15 W  
 Well No. 'A' #1  
 Location GORHAM 10 N 1 E 3 N  
 County Russell  
 State KANSAS

T.D. 3304  
 Depth 254  
 Depth 3300  
 Depth  
 Shoe Joint  
 Minimum 500#  
 Displace

Called Out 7:00 AM  
 On Location 3:00 PM  
 Job Start 3:15  
 Finish 9:15 PM

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

Charge To FRONTIER OIL COMPANY  
 Street 1437 N Franklin  
 City Russell State Kan 67665

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

Purchase Order No.  
 X *Herald S. Spennett*  
 500# HULL'S CEMENT

### EQUIPMENT

No.	Cementer	Helper
#177		
No.	Cementer	Helper
#140		
	Driver	
		Driver

Amount Ordered	Price	Total
200 SK	6.90	1380.00
8% gel		
Consisting of		
Common	120	5.00 = 600.00
Poz. Mix	80	2.25 = 180.00
Gel. Used 14 ckg	10	6.75 = 67.50
Chloride		
Quickset		
Hulls	5	14.00 = 70.00
Sales Tax		
Handling	90 PER SK	180.00
Mileage	103 PER TON MILE	24.00
Sub Total		1241.50
Total		

Cost of Job	Amount
Pump Truck Chrg	340.00
1.00 Per mile 24	24.00
Sub Total	364.00
Tax	
Total	

8 5/8 mixed 200 SK cement w/ 500# Hull's @ 700#  
 X PST. Shut in @ 500#

*Handwritten signature*

JUN 9 1970

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

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

# ALLIED CEMENTING CO., INC. No. 8639

Home Office P. O. Box 31 Russell, Kansas 67665

New

Date	1-24-90	Sec.	34	Twp.	11S	Range	15W	Called Out	1:30 PM	On Location	3:30 PM	Job Start	8:15 PM	Finish	8:45 PM
Lease	ABBOTT		Well No.	# 1	Location			Gorham LE 10N 1E		County	Russell	State	Kansas		
Contractor	Red Tiger Drilling Rig # 8							Owner	2N 1/2 E 15 into						
Type Job	Surface							To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.							
Hole Size	12 1/4		T.D.	258'											
Csg.	8 5/8		Depth	254'											
Tbg. Size			Depth												
Drill Pipe			Depth												
Tool			Depth												
Cement Left in Csg.	10'-15'		Shoe Joint												
Press Max.			Minimum												
Meas Line	✓ 243'		Displace	✓ 15 1/2 BBL											
Perf.															

### EQUIPMENT

Pumptrk #177	No.	Cementer	Ray
		Helper	
Pumptrk #22	No.	Cementer	Ed
		Helper	
Bulktrk		Driver	
		Driver	

Amount Ordered	145 SK 60/40 FOR 220 gal 38 cc		
Consisting of			
Common	87 SKS @ 5.00		435.00
Poz. Mix.	58 SKS @ 2.25		130.50
Gel.	3 SKS @ 6.75		20.25
Chloride	4 SKS @ 20.00		80.00
Quickset			
Sales Tax			
Handling	90 PER SK		130.50
Mileage	03 PER TON MILE		78.30
18 mile			
Sub Total			
Total			974.55

DEPTH of Job			
Reference:	Pump TRUCK chrg	360.00	
	1.00 per mile	18.00	
1-8 5/8	WOODEN PLUG	40.00	
	Sub Total		
	Tax		
	Total	418.00	

Floating Equipment

*[Signature]*

JUN 9 1990

Cement CIRCULATED

CONSTRUCTION DIVISION  
 RUSSELL, KANSAS

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

RELEASED

CONFIDENTIAL

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

**ALLIED CEMENTING CO., INC.**

NO. 7595

Home Office P. O. Box 31

Russell, Kansas 67665

Date	2-2-90	Sec.	34	Twp.	11	Range	15	Called Out	8:00 pm	On Location		Job Start		Finish	1:00 AM
Lease	Abbott	Well No.	A-1	Location	Gorham 1E-11N-1E-2N			County	Russell	State	Kan				
Contractor	Red Tiger Drls #8			Owner	1/2E-1-5										
Type Job	Prod String			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	7 7/8			T.D.	3304'										
Csg.	4 1/2			Depth	3300'										
Tbg. Size				Depth											
Drill Pipe				Depth											
Tool				Depth											
Cement Left in Csg.	26'			Shoe Joint	26.31										
Press Max.				Minimum											
Meas Line	✓			Displace											
Perf.															

**EQUIPMENT**

No.	Cementor	Walt
Pumptrk 177	Helper	Will
No.	Cementor	
Pumptrk	Helper	
	Driver	Joel
Bulktrk 22	Driver	

<b>DEPTH of Job</b>		
Reference:	Pumptruck	838.00
	4 1/2 Plus	31.00
	1.00 per mile	18.00
	Sub Total	887.00
	Tax	
	Total	

Remarks: Float Held

RECEIVED  
 STATE COMMISSION  
 JUN 19 1990  
 CONSERVATION DIVISION  
 Wichita, Kansas

Charge To: Frontier Oil Co.  
 Street: 1437 N Franklin  
 City: Russell State Kan 67665  
 The above was done to satisfaction and supervision of owner agent or contractor

Purchase Order No. X

**CEMENT**

Amount Ordered	150 sks com, 10% salt	
Consisting of:		
Common	150	500 750.00
Poz. Mix		
Gel.		
Chloride		
Quickset		
Salt	14	4.75 66.50
Handling	90¢	135.00
Mileage	3¢	18¢ 81.00
Sub Total		1032.50
Total		

Floating Equipment 4 1/2  
 1- Basket \$108.00  
 1- 8' Landing Joint 36.00  
 \$144.00

Thank You