

ORIGINAL

SIDE ONE

RELEASED  
6/11/89  
9-24-90  
SEP 24 1990

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

Operator: License # 5140  
Name Frontier Oil Company  
Address 125 N. Market, Ste. 1720  
Wichita, Kansas 67202  
City/State/Zip

Purchaser N.C.R.A.  
McPherson, Kansas 67460

Operator Contact Person Jean Angle  
Phone 316-263-1201

Contractor: License # 5302  
Name Red Tiger Drilling Co

Wellsite Geologist Richard D. Parker  
Phone 913-483-5348

Designate Type of Completion  
X New Well Re-Entry Workover  
X Oil SWD Temp-Abd  
Gas Inj Delayed Comp.  
Dry Other (Core, Water Supply etc.)

If OWNO: old well info as follows:  
Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:  
X Mud Rotary Air Rotary Cable  
4-1-89 4-12-89 5-24-89  
Spud Date Date Reached TD Completion Date  
3375 N/A  
Total Depth PBSD

Amount of Surface Pipe Set and Cemented at 207 feet  
Multiple Stage Cementing Collar Used? Yes X No  
If yes, show depth set feet  
If alternate 2 completion, cement circulated from feet depth to w/ SX cmt  
Cement Company Name  
Invoice #

API NO. 15-167-22,843-0000  
County Russell FROM CONFIDENTIAL  
NW NW SW 27 11 Rge 15 East  
West

2310 Ft North from Southeast Corner of Section  
4950 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

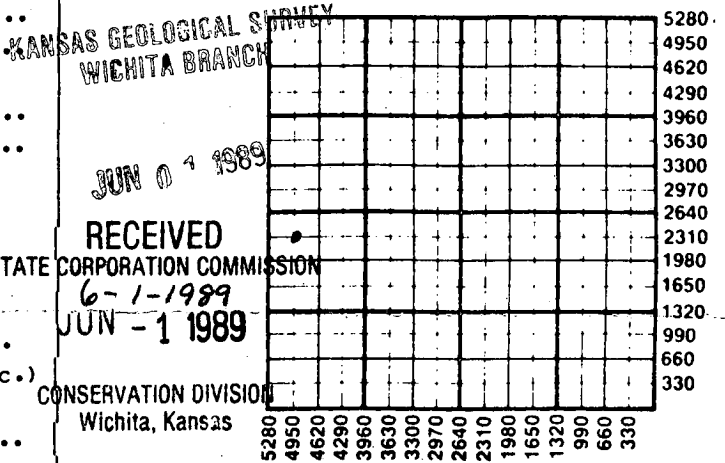
Lease Name Abbott Well # 2

Field Name Unnamed

Producing Formation Lansing

Elevation: Ground 1845 1850 KB

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal  
Docket # Repressuring

Questions on this portion of the ACO-1 call:  
Water Resources Board (913) 296-3717

Source of Water:  
Division of Water Resources Permit # 89-76

Groundwater Ft North from Southeast Corner  
(Well) Ft West from Southeast Corner of  
Sec Twp Rge East West

X Surface Water 1600 Ft North from Southeast Corner  
5000 Ft West from Southeast Corner  
(Stream, ponds etc.)  
Sec 4 Twp 12 Rge 15W East West

Other (explain)  
(purchased from city, R.W.D. #)

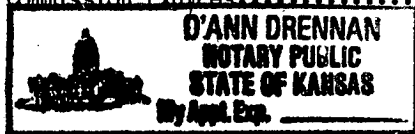
INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential 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 drillers time log shall be attached with this form. 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 Jean Angle  
Title Agent Date May 31, 1989

Subscribed and sworn to before me this 31st day of May 1989  
Notary Public D'Ann Drennan

Date Commission Expires 2-10-90



K.C.C. OFFICE USE ONLY  
F Letter of Confidentiality Attached  
C Wireline Log Received  
C Drillers Time Log Received  
Distribution  
KCC SWD/Rep NGPA  
KGS Plug Other  
(Specify)

Sec. 11, Rge. 15W

Operator Name Frontier Oil Company Lease Name Abbott Well # 2

Sec. 27 Twp. 11 Rge. 15W East West County Russell

CONFIDENTIAL

RELEASED SEP 24 1989

WELL LOG

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. (Attached)

Drill Stem Tests Taken [X] Yes [ ] No
Samples Sent to Geological Survey [ ] Yes [X] No
Cores Taken [ ] Yes [X] No

Formation Description [ ] Log [X] Sample

DST #1 (3036-3048) 30-30-30-30 1st op - wk blo 20". 2nd op - no blo. Rec. 15' M IF & FF 35-35 ISIP 59 FSIP 35
DST #2 (3200-3230) 60-30-60-30. 1st op - wk inc. to gd blo. 2nd op - wk inc. to gd blo. Rec. 440' GIP, 65' GHOCM, 125' GMD IF 48-60 FF 72-85 ISIP 854 FSIP 819
DST #3 (3316-3324) 60-30-30-30 1st op - wk blo 2nd op - no blo Rec. 5' M All press 20.
DST #4 (3316-3331) 60-30-30-30. 1st op - wk blo 2nd op - no blo. Rec. 5' M All press 20
DST #5 (3316-3336) 30-30-30-30 1st & 2nd op - wk blo Rec. 20' M IF 47-47 FF 59-59 ISIP 1021 FSIP 345
DST #6 (3314-3342) 60-30-40-30. wk blo TO. Rec. 55' F1 (25' MCO, 30' SOCM) IF 48-59 FF 59-59 ISIP 867 FSIP 891

Table with 3 columns: Name, Top, Bottom. Rows include Anhydrite, Topeka, Heebner, Toronto, Lansing-Kansas City, Base of Kansas City, Arbuckle, RTD.

CASING RECORD, PERFORATION RECORD, TUBING RECORD, and production data table. Includes sections for Purpose of String, Size Hole, Size Casing, Weight, Setting Depth, Type of Cement, #Sacks Used, Percent Additives, Shots Per Foot, Specify Footage of Each Interval Perforated, Acid, Fracture, Shot, Cement Squeeze Record, Date of First Production, Producing Method, and Estimated Production Per 24 Hours.

METHOD OF COMPLETION

Production Interval

Disposition of gas: [ ] Vented [ ] Sold [ ] Used on Lease [ ] Open Hole [X] Perforation [ ] Other (Specify) 3214-3220 [ ] Dually Completed [ ] Commingled

15-167-22 843 -00-00

COPY

**CONFIDENTIAL**

RELEASED

SEP 24 1990

FROM CONFIDENTIAL

GEOLOGICAL REPORT

FRONTIER OIL COMPANY

NO. 2 ABBOTT

NW NW SW SEC. 27-11S-15W

RUSSELL COUNTY, KANSAS

DATE COMMENCED: April 1, 1989

DATE OF RTD: April 12, 1989

GEOLOGIST

RICHARD D. PARKER

RECEIVED  
STATE CORPORATION COMMISSION

JUN - 1 1989

CONSERVATION DIVISION  
Wichita, Kansas

JUN 01 1989  
KANSAS GEOLOGICAL SURVEY  
WICHITA BRANCH

TORONTO (Top 2969)  
2969 to 2972

Tan fine crystalline to slightly fossiliferous to chalky lime with traces of free oil, faint odor and traces of dark stain.

LANSING-KANSAS CITY (Top 2999)  
2999 to 3009

White fine crystalline to chalky lime with traces of free oil, traces of dark stain.

3026 to 3031

White chalky to fine crystalline lime with fair vuggy porosity, faint odor, traces of free oil, fair spotted light stain.

3038 to 3043

Tan fine crystalline lime with vuggy porosity, fair odor, fair show of free oil.

DRILL STEM TEST NO. 1

3036 to 3048 (TRILOBITE TESTING)

30-30-30-30. 1st op - wk blo for 20". 2nd op - no blo. Rec. 15' M. IF & FF 35-35  
ISIP 59 FSIP 35

3050 to 3054

Tan fine crystalline lime with a fair show of oil, good odor, fair spotted stain.

3083 to 3086

White chalky to fine crystalline lime with no show of oil.

3098 to 3104

White oolitic to chalky lime with a trace of free oil and a faint odor.

3136 to 3141

White chalky to dense lime with no show of oil.

3158 to 3162

White chalky to fine crystalline lime with a trace of free oil, faint odor.

3176 to 3182

Tan fine crystalline lime with a trace of free oil, faint odor.

3188 to 3194

Tan to light grey fine crystalline lime with a trace of free oil, faint odor.

3214 to 3220

White chalky to fine crystalline, slightly fossiliferous lime with fair pinpoint porosity, good odor, fair show of free oil, fair spotted stain.

DRILL STEM TEST NO. 2  
3200 to 3230

(TRILOBITE TESTING)

60-30-60-30. 1st op - wk inc. to gd blo.  
2nd op - wk inc. to gd blo. Rec. 440' GIP,  
65' GHOCM, 125' GMO. IF 48-60 FF 72-85  
ISIP 854 FSIP 819

3238 to 3242

White chalky lime with no show of oil.  
Fair odor, no staining.ARBUCKLE (Top 3319)  
3319 to 3324White fine crystalline cherty dolomite with  
a fair odor, scattered show of free oil,  
spotted dark stain.DRILL STEM TEST NO. 3  
3316 to 332460-30-30-30. 1st op - wk blo. 2nd op - no bl  
Rec. 5' M All press 20#.

3324 to 3331

White fine to medium crystalline dolomite with  
a faint odor, scattered show of free oil,  
spotted light to dark stain.DRILL STEM TEST NO. 4  
3316 to 3331 (TRILOBITE TESTING)60-30-30-30. 1st op - wk blo. 2nd op - no blo  
Rec. 5' M All press 20#.

3331 to 3336

White fine to medium crystalline dolomite and  
some vitreous white chert. Faint odor,  
scattered show of free oil.DRILL STEM TEST NO. 5  
3316 to 3336 (TRILOBITE TESTING)30-30-30-30. 1st op - wk blo. 2nd op - no bl  
Rec. 20' M IF 47-47 FF 59-59 ISIP 1021  
FSIP 345

3336 to 3340

White fine to medium crystalline dolomite with  
a scattered show of free oil, faint odor.  
(included in DST #6 )

3340 to 3342

White medium crystalline dolomite with fair  
intercrystalline porosity. Fair show of  
free oil, good odor.DRILL STEM TEST NO. 6  
3314 to 334260-30-40-30. 1st op - wk blo. 2nd op - wk bl  
Rec. 55' fl. (25' MCO, 30' SOCM.) IF 48-59  
FF 59-59 ISIP 867 FSIP 891

15-167-22843-00-00

3342 to 3500

White medium crystalline dolomite.

3500 to 3575

White medium to coarse crystalline sandy dolomite.

4½" 9½# & 10½# used casing was set at 3400', 81' in the Arbuckle and 175' off bottom with 150 sx common cement, 10% salt. Zero point is 5' AGL and the shoe jt is 33-94' long.

Sincerely,

Richard D. Parker

15-167-22843-00-00

DRILLING INFORMATION ON THE ABBOTT NO. 2

Contractor: Red Tiger Drilling Co.

Drillers: Hunt  
Lyle  
Gramly

Tool Pusher: Kenneth Lyle

Spud Date: April 1, 1989

Date of RTD: April 12, 1989

Surface Pipe: 8 5/8" @ 207'/140 sx

Casing: 4 1/2" @ 3400'/150 sx

TOTAL FOOTAGE DRILLED PER DAY

Under Surface At 8:30 AM on April 2, 1989

	Feet	At	7:00 AM	On	
215	"	"	"	"	4-02-89
1099	"	"	"	"	4-03-89
2010	"	"	"	"	4-04-89
2545	"	"	"	"	4-05-89
2870	"	"	"	"	4-06-89
3048	"	"	"	"	4-07-89
3225	"	"	"	"	4-08-89
3316	"	"	"	"	4-09-89
3331	"	"	"	"	4-10-89
3342	"	"	"	"	4-11-89
3575	"	"	7:27 AM	"	4-12-89

BIT RECORD

Bits	Type	Footage
#1	HIC-51	215 to 955
#2	CP-V527B-Re-run	955 to 3230
#3	CP-EH537CM	3230 to 3575

Frontier Oil Company  
125 N. Market, Ste. 1720  
Wichita, Kansas 67202

Frontier Oil Company  
No. 2 Abbott  
NW NW SW Sec. 27-11-15W  
Russell County, Kansas

Dear Sir:

The following is a Geological Report, with a Time Log attached, on the above captioned well.

Drilling was supervised from 2300' to 3575', rotary total depth. Samples were examined from 2300' to rotary total depth.

All formation tops, zones of porosity and staining are based on rotary bushing measurements. Any corrections in measurements during the drilling of the well have been incorporated into this report.

Elevation (American Elevations)

Anhydrite	928	+ 922
Topeka	2726	- 876
Heebner	2948	-1098
Toronto	2969	-1119
Lansing-Kansas City	2999	-1149
Base of Kansas City	3250	-1400
Arbuckle	3319	-1469
RTD	3575	-1725
4½" Pipe at	3400	-1550

Structurally, on top of the Topeka, the No. 2 Abbott ran 3' low to the No. 2 Abbott and Arbuckle and Lansing producer, located one location east. On top of the Lansing-Kansas City, the No. 2 Abbott ran 3' low to the No. 1 Abbott. On top of the Arbuckle the No. 2 Abbott ran 7' low to the to the No. 1 Abbott.

ZONES OF INTEREST

TOPEKA (Top 2726)

2726 to 2736

White chalky to fine crystalline sucrosic lime with traces of free oil, good odor traces light stain.

2914 to 2930

White to light tan fine crystalline to slightly cherty to chalky lime. Faint odor, traces of free oil, fair spotted light stain.



15-167-22843-00-00

MUD RECORD

Mud Company: Milpark Drilling Fluids

Mud Type: Starch

Surface: 30 sx gel, 5 sx lime, 5 sx hulls  
2381 45 sx salt gel  
2785 45 sx starch, 15 sx salt gel, 2 sx preservative, 6 sx hulls  
3048 20 sx salt gel, 3 sx starch 2 sx hulls  
3073 20 sx salt gel, 3 sx starch, 2 sx hulls  
3248 20 sx salt gel  
3324 20 sx salt gel, 4 sx starch  
3336 8 sx salt gel, 1 sk starch, 3 sx hulls, 1 sk preservative  
3460 31 sx salt gel, 4 sx starch, 16 sx hulls  
3569 20 sx salt gel, 2 sx starch, 5 sx hulls

Phone 913-483-2627, Russell, Kansas

Phone Plainville 913-434-2812

Phone 316-793-5861, Great Bend, Kansas

Phone Ness City 913-798-3843

# ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

*New*

Date	4-1-89	Sec. 27	Twp. 11 S	Range 15 W	Called Out 5:30 PM	On Location 6:30 PM	Job Start 11:00 PM	Finish 11:15 PM
Lease	ABBOTT		Well No. # 2	Location Gorham 1E 10 N 1/2 E 12 W 34 E		Russell		Kansas
Contractor	Red Tiger Drilling Rig # 8			Owner				
Type Job	Surface			To Allied Cementing Co., Inc.				
Hole Size	12 1/4			You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.				
Csg.	8 5/8			Charge Frontier Oil Company				
Tbg. Size	REMO 2 1/2			To 1437 M. Franklin				
Drill Pipe	REMO 2 1/2			City Russell State Kan 67665				
Tool	REMO 2 1/2			The above was done to satisfaction and supervision of owner agent or contractor.				
Cement Left in Csg.	10-15			Purchase Order No.				
Press Max.	REMO 2 1/2			<i>Thomas D. Ferg</i>				
Meas Line	REMO 2 1/2			CEMENT				
Perf.	REMO 2 1/2			Amount Ordered 140 SK 40 2 1/2 gal 36 CC				

Pumptrk #177		Cement	<i>Handwritten</i>
Pumptrk #22		Helper	<i>Handwritten</i>
Bulktrk #22		Driver	<i>Handwritten</i>
Bulktrk #22		Driver	<i>Handwritten</i>
DEPTH of Job			
Reference:	Pump TRUCK CHRG	360.00	
	100 per mile	20.00	
	1-8 5/8 Wooden Plug	<del>400.00</del>	
	Sub Total		
	Tax	380.00	
	Total	<del>400.00</del>	

Consisting of	Common	84 SK @ 5.00	420.00
	Poz. Mix	56 SK @ 2.25	126.00
	Gel.	3 SK @ 6.75	20.25
	Chloride	4 SK @ 20.00	80.00
	Quickset		
	Handling	.90	126.00
	Mileage	.03	84.00
	1120 mile		
	Sub Total		
	Total		856.25
Floating Equipment			

Remarks: Cement Circulated

*Handwritten Signature*

Phone 913-483-2627, Russell, Kansas

15-167-22843-00 00

Phone Plainville 913-434-2812

Phone 316-793-5861, Great Bend, Kansas

Phone Ness City 913-798-3843

# ALLIED CEMENTING CO., INC.

No 5682

Home Office P. O. Box 31

Russell, Kansas 67665

New

NOON

PM

Date	4-12-89	Sec.	27	Twp.	11 S	Range	15 W	Called Out	8:00 AM	On Location	12:00 AM	Job Start	2:00 PM	Finish	2:30 PM	
Lease	ABBOTT		Well No.		#2		Location		Gorham 1E 1/2 N of River		County	Russell	State	Kansas		
Contractor	Red Tiger DRlg. Rig#							Owner	1E 1/2 N 1/2 E							
Type Job	PRODUCTION String							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	7 7/8		T.D.		3575'		Charge To	Frontier Oil Company								
Csg.	4 1/2		Depth		3400'		Street	1437 N Franklin								
Tap Size	8 7/8 Surface		Depth		207'		City	Russell		State Kan 67665						
Drill Pipe								The above was done to satisfaction and supervision of owner agent or contractor								
Tool	INSERT @		Depth		3370'		Purchase Order No.									
Cement Left in Csg.	34'		Shoe Joint		34'		<i>[Signature]</i>									
Press Max.								CEMENT								
Meas Line	✓		Displace		54 3/4 BBL		Amount to be billed for									
Perf.								Ordered 150 SK Com. 10% Salt								

### EQUIPMENT

Pumptrk	No.	Cementer	<i>[Signature]</i>
	#83	Helper	
Pumptrk	No.	Cementer	
		Helper	
Bulktrk	#160	Driver	Ed
		Driver	

Consisting of	Common	150	5.00	750.00
	Poz. Mix			
	Gel.			
	Chloride			
	Quickset			
	15 Salt		4.75	71.25
	Handling	.90 PER SK 150		135.00
	Mileage	.03 PER Ton mile 20m		90.00
	Sub Total			1046.25
	Total			
Floating Equipment	4 1/2 Casing			
	1-Basket			\$ 108.00

### DEPTH of Job

Reference:	Pump TRUCK Chrg.	838.00
	1.00 per mile	20.00
	1-4 1/2 RUBBER Plug	31.00
	Sub Total	889.00
	Tax	
	Total	

Remarks: 15 SK Cement in Rathole

Float HELD!

*[Signature]*

Phone 913-483-2627, Russell, Kansas

Phone Plainville 913-434-2812

Phone 316-793-5861, Great Bend, Kansas

Phone Ness City 913-798-3843

# ALLIED CEMENTING CO., INC. No. 4315

Home Office P. O. Box 31

Russell, Kansas 67665

Date	11-21-89	Sec	27	Twp	11	Range	15	Called Out		On Location		Job Start	9:30 AM	Finish	1 PM
Lease	Abbott	Well No.		Location	Gorham	County	RS	State	KS						
Contractor	Lewis Well Service			Owner	Same										
Type Job	Squeeze														
Hole Size	4 1/2" ID														
Csg.	4 1/2" ID														
Tbg. Size	2" ID														
Drill Pipe	2" ID														
Tool	Shoe Joint														
Cement Left in Csg.	500														
Press Max	500														
Meas Line	3312-30														
Perf.	3312-30														

EQUIPMENT		
No.	Cement	McAdoo
Pumptrk	Helper	R Davis
Pumptrk	Driver	Larence
Bulktrk	Driver	
DEPTH of Job		
Reference:	Pump Truck	450.00
	100 Pen Mile	19.00
	Sub Total	
	Tax	
	Total	469.00

Amount Ordered	100 Com
Consisting of	Used 50 Com
Common	50 Sls @ 5.00 = 250.00
Handling	@ 9.00 = 45.00
Mileage	3 1/2 / 54 / Mile = 40.00
Sub Total	
Total	335.00

Remarks: Test Back side 9T 500#  
 Held Took Injection Rat 3 BPM  
 9T 1000# Mixed 50 sx Squeezed  
 9T 500# Wash Tubing out  
 Held 500# for 15 min.

Floating Equipment

# ALLIED CEMENTING CO. INC.

No. 7554

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

Date **9-26-89** Sec. **27** Twp. **11S** Range **15W**

Lease **Abbott** Well No. **2** Location **Corham 15 11N 1/2 E Russell KS**

Contractor **Leons Cable Tools**

Type Job **Squeez**

Hole Size **4 1/2** T.D. **220**

Csg. **4 1/2** Depth **220**

Tbg. Size **2"** Depth **220**

Drill Pipe **2 3/4** Depth **220**

Tool **Brad Oil** Depth **220**

Cement Left in Csg. **0** Shoe Joint **0**

Press Max. **0** Minimum **0**

Meas Line **0** Displace **0**

Perf. **0**

On Location **Yes** Job Start **11:45 PM** Finish **11:45 PM**

Charge **Frontier Oil Co**

To **Frontier Oil Co**

Street **437 N Franklin**

City **Keokuk** State **Ken 67665**

The above was done to satisfaction and supervision of owner agent or contractor **[Signature]**

Purchase Order No. **[Signature]**

ALLIED CEMENT

**EQUIPMENT**

No.	Cementer	Helper
<b>133</b>	<b>Ward</b>	<b>Dave</b>
<b>153</b>	<b>Sony</b>	<b>Steve</b>
<b>160</b>		

Consisting of	Quantity	Unit Price	Total
Common	<b>200</b>	<b>5.00</b>	<b>1000.00</b>
Portl. Cem.	<b>100</b>	<b>2.25</b>	<b>225.00</b>
Gel	<b>14</b>	<b>6.75</b>	<b>94.50</b>
Chloride	<b>20.00</b>	<b>2.00</b>	<b>40.00</b>
Quicks			
Sales Tax			
Handling	<b>90</b>	<b>2.70</b>	<b>270.00</b>
Mileage	<b>19m</b>	<b>0.3</b>	<b>171.00</b>
Sub Total			<b>1800.50</b>
Total			<b>1800.50</b>

DEPTH of Job

Reference	Amount
<b>PUMP tk chg</b>	<b>360.00</b>
<b>100 per mile</b>	<b>19.00</b>
Sub Total	
<b>379.00</b>	
Tax	
<b>0</b>	
Total	
<b>379.00</b>	

Remarks:

**plug @ 3030 tested @ 9:30-33**

**blow on 8 1/8, squeezed @ 100PSI**

**pulled tubing & shut casing in @ 500PSI**

**mixed cement up slight**

**cleared tubing**

**shut casing in @ 500PSI**

Phone 913-483-2627, Russell, Kansas

15-167-22843 CC CC

Phone Plainville 913-434-2812

Phone 316-793-5861, Great Bend, Kansas

Phone Ness City 913-798-3843

# ALLIED CEMENTING CO., INC.

No. 7577

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

Date	9-28-89	Sec.	27	Twp.	11	Range	15	Called Out	11:30AM	On Location	1:30PM	Job Start	2:30PM	Finish	6:00 P.M.
Lease	Abbott	Well No.	2	Location	Gorham			County	RU	State	Kansas				
Contractor	LEONS WELL SERVICE														
Type Job	SQUEEZE														
Hole Size	2"														
Csg.	Depth 480														
Tbg. Size	480														
Drill Pipe	Depth 480														
Tool	BRAD														
Cement Left in Csg.	Shoe Joint														
Press Max.	800														
Meas Line	Displace														
Perf.	EQUIPMENT														

No.	Cement	R. Davis
Pumptrk 83	Helper	
No.	Cement	
Pumptrk	Helper	
	Driver	JOE
Bulktrk 22		LONNIE
Bulktrk 146	Driver	

DEPTH of Job	
Reference:	360.00
	1.00 Per Mile 19.00
Sub Total	
Tax	
Total	379.00

Remarks: Mixed 150 40/60 Lavel and 50 sk Com 3% cc Thru Perf at 480' Squeezed at 1000#. Mixed 150 sk 40/60 Lavel Down 8 5/8 Shut in at 500#.

Owner: SAME

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 Co

Street: 1437 N. FRANKLIN

City: Russe II, State Kansas

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

Purchase Order No. 60/40 6% 36el

Amount Ordered: 300 SKS 60/40 6% 36el

Consisting of: 50 Com 2% CC

Common	230 SKS @ 5.00	1150.00
Poz. Mix	120 SKS @ 2.25	270.00
Gel.	15 SKS @ 6.75	101.25
Chloride	2 SKS @ 20.00	40.00
Quickset		

Sales Tax

Handling @ 90¢ 315.00

Mileage 3¢/SK/MIE 199.50

Sub Total 2075.75

Floating Equipment

Phone 913-483-2627, Russell, Kansas 15-167-22843-0000

Phone Plainville 913-434-2812

Phone 316-793-5861, Great Bend, Kansas

Phone Ness City 913-798-3843

**NEW**

# ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

No. 7577

Date	9-28-89	Sec.	27	Twp.	11	Range	15	Called Out	11:30AM	On Location	2:30PM	Job Start	2:30PM	Finish	6:00PM
Lease	Abbott	Well No.	2	Location	Goarham	QNE	2N	County	Russell	State	KAN.				
Contractor	LEONS WELL SERVICE														
Type Job	SQUEEZE														
Hole Size	T.D.														
Csg.	Depth														
Tbg. Size	2"	Depth 480													
Drill Pipe	Depth														
Tool	BRID	Depth 480													
Cement Left in Csg.	Shoe Joint														
Press Max.	800	Minimum													
Meas Line	Displace														
Perf.															

Owner: SAME

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: FRONTIER OIL Com  
Street: 1437 N. FRANKLIN  
City: RUSSELL State: KANSAS

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

Purchase Order No. \_\_\_\_\_

CEMENT

### EQUIPMENT

No.	Cementer	R. Davis
Pumptrk	Helper	
No.	Cementer	
Pumptrk	Helper	
	Driver	
Bulktrk	Driver	JOE LONNIE
Bulktrk	Driver	

Amount Ordered	300 SKS 60/40 6-7/8
Consisting of	50 Com 2% CC
Common	200 SKS @ 5.00 = 1150.00
Poz. Mix	120 SKS @ 2.25 = 270.00
Gel.	15 SKS @ 6.75 = 101.25
Chloride	2 SKS @ 20.00 = 40.00
Quickset	

DEPTH of Job		
Reference:		360.00
	100 Per Mile	19.00
	Sub Total	
	Tax	
	Total	379.00

Handling	@ 401	315.00
Mileage	34 / SK / MILE	1177.00
	Sub Total	
	Total	2703.00

Remarks: Mixed 150 # 6-7/8 in. 50 SK Com 2% CC Thru Perf at 480' Squeezed at 1000#.  
Mixed 150 SK 4-3/8" (incl 6" in) SNT in at 500#.

Stamp: OCT 10 1989  
Wichita, Kansas

Phone 913-483-2627, Russell, Kansas

15-167-22843

ORIGIN

Phone Plainville 913-434-2812

Phone 316-793-5861, Great Bend, Kansas

Phone Ness City 913-798-3843

GENERAL TERMS AND CONDITIONS

**NEW**

# ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

7577

Date	9-28-87	Sec	27	Twp.	11	Range	15	Called Out	11:30AM	On Location	2:30PM	Job Start	2:30PM	Finish	6:00PM
Lease	Abbott	Well No.	2	Location	Garham	QNE	2N	County	Russell	State	Kansas				
Contractor	LEON'S WELL SERVICE														
Type Job	SQUEEZE														
Hole Size	T.D.														
Csg.	Depth														
Tbg. Size	2"	Depth 480													
Drill Pipe	Depth														
Tool	BRID	Depth 480													
Cement Left in Csg.	Shoe Joint														
Press Max.	800	Minimum													
Meas Line	Displace														
Perf.															

Owner: SAME

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: FRONTIER O.I. Co  
1437 N. FRANKLIN  
RUSSELL KANSAS

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

Purchase Order No.

CEMENT

Amount Ordered	300 SKS 60/40 6% GEL
Consisting of	50 Com 2% CC
Common	250 SKS @ 5.00 = 1250.00
Poz. Mix	120 SKS @ 2.25 = 270.00
Gel.	15 SKS @ 6.75 = 101.25
Chloride	2 SKS @ 20.00 = 40.00
Quickset	
Sales Tax	

Handling	@ 40¢	315.00
Mileage	34/SK/MILE	141.00
Sub Total		
Total		2075.00

**EQUIPMENT**

No. 83	Cementer	R. Davis
	Helper	
No.	Cementer	
	Helper	
	Driver	
No. 22		JOE
No. 210	Driver	LONNIE

**DEPTH of Job**

Reference:		360.00
	100 PER MILE	19.00
Sub Total		
Tax		
Total		379.00

Remarks: Mixed 150 # 6% Gel  
incl 50 SK Com 2% CC Thru Perf  
it 480' Squeezed at 1000#.  
Mixed 150 SK 6% Gel down  
2% Sartin at 500#.

STATE OF KANSAS  
OCT 1 0 1987  
Wichita, Kansas



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

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

**NEW**

# ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

No. 7577

Date	9-28-87	Sec.	27	Twp.	11	Range	15	Called Out	11:30 AM	On Location	2:30 PM	Job Start	2:30 PM	Finish	6:00 PM
Lease	Abbott	Well No.	2	Location	GORTMAN ONE 2N			County	Russell	State	Kansas				
Contractor	LEONS WELL SERVICE														
Type Job	SQUEEZE														
Hole Size	T.D.														
Csg.	Depth														
Tbg. Size	2"	Depth 480													
Drill Pipe	Depth														
Tool	BRID	Depth 480													
Cement Left in Csg.	Shoe Joint														
Press Max.	300	Minimum													
Meas Line	Displace														
Perf.															

**EQUIPMENT**

No.	Cementer	R. Davis
Pumptrk 83	Helper	
No.	Cementer	
Pumptrk	Helper	
	Driver	
Bulktrk 22		JOE
Bulktrk 116	Driver	LONNIE

<b>DEPTH of Job</b>		
Reference:		360 <sup>00</sup>
	100 Per Mile	19 <sup>00</sup>
	Sub Total Tax	
	Total	379 <sup>00</sup>

Remarks: Mixed 150 # 6% gel  
 incl 50 sk Com 5% cc Thru Perf  
 at 480' Squeezed at 1000#  
 Mixed 150 sk 4.6% gel down  
 177 SMT in at 500#

Owner: HOME  
 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 COM  
 1437 N. FRANKLIN  
 City: RUSSELL State: KANSAS  
 The above was done to satisfaction and supervision of owner agent or contractor  
 Purchase Order No. \_\_\_\_\_  
 CEMENT

Amount Ordered	300 SKS 60/40 67% GEL	
Consisting of	50 Com 2% CC	
Common	250 SKS @ 5 <sup>00</sup>	1150 <sup>00</sup>
Poz. Mix	120 SKS @ 2 <sup>25</sup>	270 <sup>00</sup>
Gel.	15 SKS @ 6 <sup>75</sup>	101 <sup>25</sup>
Chloride	2 SKS @ 20 <sup>00</sup>	40 <sup>00</sup>
Quickset		

Handling	@ 40 <sup>00</sup>	315 <sup>00</sup>
Mileage	34/SK/MILE	144 <sup>00</sup>
Sub Total		
Total		275 <sup>00</sup>

Floating Equipment  
 DATE: OCT 11 1987  
 WICHITA, KANSAS

3-483-2627, Russell, Kansas  
316-793-5861, Great Bend, Kansas

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

15-167-02843 0000

ORIGINAL

# ALLIED CEMENTING CO., INC.

No. 7554

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

Date	9-26-59	Sec.	27	Twp.	11 <sup>s</sup>	Range	15 <sup>w</sup>	Called Out		On Location		Job Start		Finish	
Lease	Abbott	Well No.	2	Location	Graham 1E 11N 15E			County	Russell	State	KS				
Contractor	Leons Cable Tools														
Type Job	Squarer														
Hole Size				T.D.											
Csg.	4 1/2			Depth											
Tbg. Size	2"			Depth											
Drill Pipe				Depth											
Tool	Prod Oil			Depth											
Cement Left in Csg.				Shoe Joint											
Press Max.				Minimum											
Meas Line				Displace											
Perf.															

Owner *J N E 3's*

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 *Frontier Oil Co*

Street \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_

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

Purchase Order No. \_\_\_\_\_

X *[Signature]*

**CEMENT**

Amount Ordered *250 60 6% gel 50 com 3% CC*

### EQUIPMENT

Pumptrk	No.	Cementer	<i>wait Dave Gerald</i>
	153	Helper	
Pumptrk	No.	Cementer	<i>Spray Stand</i>
	155	Helper	
Bulktrk	155	Driver	
	160	Driver	

Consisting of

Common STATE \_\_\_\_\_

Poz. Mix \_\_\_\_\_

Gel. \_\_\_\_\_

Chloride \_\_\_\_\_

Quickset \_\_\_\_\_ *9-10-1989*

Sales Tax \_\_\_\_\_

Handling \_\_\_\_\_

Mileage \_\_\_\_\_

Sub Total \_\_\_\_\_

Total \_\_\_\_\_

Floating Equipment \_\_\_\_\_

**DEPTH of Job**

Reference: *Pump fix chg 100 per mile*

Sub Total \_\_\_\_\_

Tax \_\_\_\_\_

Total \_\_\_\_\_

Remarks: *plug 3030 tested @ 950 PSI  
shot holes @ 930-33 mixed cement w/ slight  
blow on 4 1/2" saveard @ 400 PSI checked tubing  
pulled tubing & shot casing in @ 500 PSI*

3-483-2627, Russell, Kansas

Phone Plainville 913-434-2812

316-793-5861, Great Bend, Kansas

Phone Ness City 913-798-3843

GENERAL TERMS AND CONDITIONS

# ALLIED CEMENTING CO., INC.

ORIGINAL

Home Office P. O. Box 31

Russell, Kansas 67665

No. 7554

Date	9-26-59	Sec.	27	Twp.	11 S	Range	15 W	Called Out		On Location		Job Start		Finish	
Lease	Abbot			Well No.	2	Location	Broken 1E 11N 15E	County	Russell	State	Ks				
Contractor	Leons Cable Tools							Owner	2N 12E 15S						
Type Job	Square							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	4 1/2			T.D.		Depth		Charge To	Frontier Oil Co						
Csg.	2"			Depth		Depth		Street							
Drill Pipe	Brod Oil			Depth		Depth		City				State			
Cement Left in Csg.				Shoe Joint		Minimum		The above was done to satisfaction and supervision of owner agent or contractor							
Press Max.				Displace				Purchase Order No.							
Meas Line								X							
Perf.									CEMENT						

### EQUIPMENT

No.	Cementer	
Pumptrk 153	Helper	Walt Dave Gerald
No.	Cementer	
Pumptrk 155	Helper	
Bulktrk 160	Driver	Sony Steve
Bulktrk	Driver	

Amount Ordered	250.60	6% gel	50 con	3% CC
Consisting of	STATE			
Common				
Poz. Mix				
Gel.	OGI 1-0-1989			
Chloride				
Quickset	Wichita, Kansas			
Sales Tax				
Handling				
Mileage				
Sub Total				
Total				
Floating Equipment				

DEPTH of Job	
Reference:	Pump trk chg 100 per mile
Sub Total	
Tax	
Total	

Remarks: Plug @ 3030 tested @ 951  
 1/2 shot holes @ 930-33 mixed cement w/ slight  
 blow on P.S. covered @ 100 PSI closed tubing  
 pulled tubing & shot casing in @ 500 PSI

3-483-2627, Russell, Kansas

Phone Plainville 913-434-2812

316-793-5861, Great Bend, Kansas

Phone Ness City 913-798-3843

ORIGINAL

# ALLIED CEMENTING CO., INC.

No. 7554

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

Date	9-26-59	Sec.	27	Twp.	11 <sup>s</sup>	Range	15 <sup>w</sup>	Called Out	On Location	Job Start	Finish	
Lease	Abbott Well No. 2			Location			Gichow NE 11 N 15 E		County	Russell	State	KS
Contractor	Leons Cable Tools											
Type Job	SQUIPZ											
Hole Size						T.D.						
Csg.	4 1/2					Depth						
Tbg. Size	2"					Depth						
Drill Pipe						Depth						
Tool	Prod Oil					Depth						
Cement Left in Csg.						Shoe Joint						
Press Max.						Minimum						
Meas Line						Displace						
Perf.												

Owner 2 N 15 E

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 Co

Street \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_

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

Purchase Order No. \_\_\_\_\_

X [Signature]

ALLIED CEMENT

### EQUIPMENT

No.	Cement	<i>Walt Dave Gerald</i>
Pumptrk 153	Helper	
No.	Cement	<i>Spray Stand</i>
Pumptrk 155	Helper	
Bulktrk 160	Driver	
Bulktrk	Driver	

Amount Ordered 250.00 6% gel 50com 3% CC

Consisting of \_\_\_\_\_

Common \_\_\_\_\_

Poz. Mix \_\_\_\_\_

Gel. UGT 1-0-1989

Chloride \_\_\_\_\_

Quickset \_\_\_\_\_

DEPTH of Job	
Reference:	<u>Pump trk chg 100 Per mile</u>
Sub Total	
Tax	
Total	

Handling	
Mileage	
Sub Total	
Total	
Floating Equipment	

Remarks: Log @ 3030 tested @ 930-33. Shot holes @ 930-33. Mixed cement w/ slight blow on R<sup>2</sup>. Saved @ 1100 PSI. Closed tubing pulled tubing & shot casing in @ 500 PSI.

PSI

Mixed cement w/ slight blow on R<sup>2</sup>. Saved @ 1100 PSI. Closed tubing pulled tubing & shot casing in @ 500 PSI.