

ORIGINAL

SIDE ONE

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

API NO. 15- 109-20,508-0000

County Logan

Apx. SW SW SW Sec. 17 Twp. 12 Rge. 33W  East  West

430 Ft. North from Southeast Corner of Section

4850 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

Lease Name Clark "A" Well # 3

Field Name Janice South

Producing Formation N/A

Elevation: Ground 3148 KB 3153

Total Depth 4770 PBTD N/A

Operator: License # 5140

Name: Frontier Oil Company

Address 125 N. Market, Ste. 1720

Wichita, KS 67202

City/State/Zip

Purchaser: N/A

Operator Contact Person: Jean Angle

Phone (316) 263-1201

Contractor: Name: Red Tiger Drilling Co.

License: 5302 STATE CORPORATION COMMISSION

Wellsite Geologist: Richard D. Parker

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

If OWO: old well info as follows:  
Operator: \_\_\_\_\_

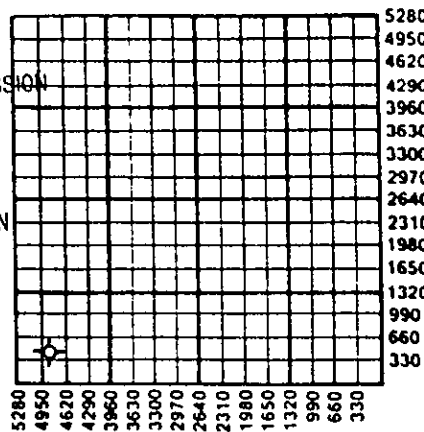
Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:  
 Mud Rotary  Air Rotary  Cable

4-27-91 5-5-91 8-22-91  
Spud Date Date Reached TD Completion Date

RECEIVED  
AUG 27 1991  
8-27-91  
CONSERVATION DIVISION  
Wichita, Kansas



Alt II PFD

Amount of Surface Pipe Set and Cemented at 351 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned well's. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 8-26-91

Subscribed and sworn to before me this 26th day of August, 19 91.

Notary Public D'Ann Brennan

Date Commission Expires \_\_\_\_\_



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

**SIDE TWO**

Operator Name Frontier Oil Company Lease Name Clark "A" Well # 3

Sec. 17 Twp. 12 Rge. 33W  East  West  
 County Logan

**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. (Log attached)

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets.)  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.)	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3" style="text-align: center;">Formation Description</th> </tr> <tr> <th style="width:60%;"></th> <th style="width:20%; text-align: center;"><input type="checkbox"/> Log</th> <th style="width:20%; text-align: center;"><input checked="" type="checkbox"/> Sample</th> </tr> <tr> <th style="text-align: left;">Name</th> <th style="text-align: center;">Top</th> <th style="text-align: center;">Bottom</th> </tr> </thead> <tbody> <tr><td>Anhydrite</td><td style="text-align: center;">2620</td><td style="text-align: center;">+ 533</td></tr> <tr><td>Heebner</td><td style="text-align: center;">4039</td><td style="text-align: center;">- 886</td></tr> <tr><td>Toronto</td><td style="text-align: center;">4062</td><td style="text-align: center;">- 909</td></tr> <tr><td>Lansing-Kansas City</td><td style="text-align: center;">4079</td><td style="text-align: center;">- 926</td></tr> <tr><td>Base of Kansas City</td><td style="text-align: center;">4381</td><td style="text-align: center;">-1228</td></tr> <tr><td>Pawnee</td><td style="text-align: center;">4508</td><td style="text-align: center;">-1335</td></tr> <tr><td>Fort Scott</td><td style="text-align: center;">4569</td><td style="text-align: center;">-1416</td></tr> <tr><td>Johnson</td><td style="text-align: center;">4642</td><td style="text-align: center;">-1489</td></tr> <tr><td>Mississippian</td><td style="text-align: center;">4708</td><td style="text-align: center;">-1555</td></tr> <tr><td>RTD</td><td style="text-align: center;">4770</td><td style="text-align: center;">-1617</td></tr> </tbody> </table>	Formation Description				<input type="checkbox"/> Log	<input checked="" type="checkbox"/> Sample	Name	Top	Bottom	Anhydrite	2620	+ 533	Heebner	4039	- 886	Toronto	4062	- 909	Lansing-Kansas City	4079	- 926	Base of Kansas City	4381	-1228	Pawnee	4508	-1335	Fort Scott	4569	-1416	Johnson	4642	-1489	Mississippian	4708	-1555	RTD	4770	-1617
Formation Description																																								
	<input type="checkbox"/> Log	<input checked="" type="checkbox"/> Sample																																						
Name	Top	Bottom																																						
Anhydrite	2620	+ 533																																						
Heebner	4039	- 886																																						
Toronto	4062	- 909																																						
Lansing-Kansas City	4079	- 926																																						
Base of Kansas City	4381	-1228																																						
Pawnee	4508	-1335																																						
Fort Scott	4569	-1416																																						
Johnson	4642	-1489																																						
Mississippian	4708	-1555																																						
RTD	4770	-1617																																						

**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#	351	60-40 poz	200	2% gel, 3% CC
Production	7-7/8"	4 1/2"	10 1/2#	4769	ASC	225	

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	4674-84	500 gal 15% NE acid	4674-84
2	4662-4666    4646-4652	1500 gal 15% NE acid	4674-84
2	4286-94	1000 gal 15% NE acid	4662-4666
		1000 gal 15% NE acid	4286-94

**TUBING RECORD**    Size N/A    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	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	N/A				

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

**METHOD OF COMPLETION**    Production Interval

Open Hole     Perforation     Dually Completed     Commingled

Other (Specify) \_\_\_\_\_

N/A

OPIS

GEOLOGICAL REPORT

FRONTIER OIL COMPANY

NO. 3 CLARK "A"

APPROX. SW SW SW Sec. 17-12S-33W

LOGAN COUNTY, KANSAS

*APL 15-109-20508-0000*

DATE COMMENCED: April 27, 1991

DATE OF RTD: May 5, 1991

GEOLOGIST: RICHARD D. PARKER

RECEIVED  
GEOLOGICAL SURVEY

AUG 27 1991

ORIGINAL

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

15-109-20508-0000  
Frontier Oil Company  
No. 3 Clark "A"  
Approx. SW SW SW  
Sec. 17-12-33W  
Logan County, Kansas

Dear Sir:

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

Drilling was supervised from 3700' to 4770', rotary total depth. Samples were examined from 4000' 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 (Estimated)	3150 DF -- 3153 KB	
Anhydrite	2620	+ 533
Heebner	4039	- 886
Toronto	4062	- 909
Lansing-Kansas City	4079	- 926
Base of Kansas City	4381	-1228
Pawnee	4508	-1335
Fort Scott	4569	-1416
Johnson	4642	-1489
Mississippian	4708	-1555
RTD	4770	-1617
4½" Pipe At	4769	-1616

Structurally on top of the Lansing-Kansas City the No. 3 Clark "A" ran flat with the Clark "A" No. 1 located 100' northwest. On top of the Johnson the No. 3 Clark "A" ran 3' low to the No. 1.

ZONES OF INTEREST

LANSING-KANSAS City (Top 4080)

4080 to 4090

White fine crystalline lime with no staining.

4111 to 4118

White fine crystalline to slightly cherty lime, no staining.

4130 to 4136

White chalky to slightly cherty lime, no staining.

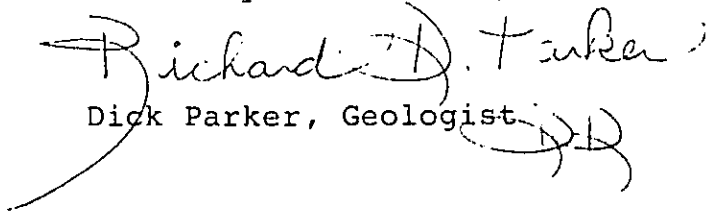
ORIGINAL

15-109-20508-0000

4169 to 4180	White fine crystalline with trace of light stain.
4190 to 4195	White well developed oolitic lime with no staining.
4246 to 4252	White fine crystalline to chalky lime with trace of stain.
4271 to 4279	White chalky to dense cherty lime with no staining.
4288 to 4294	White oolitic to slightly vuggy lime with faint vuggy porosity. Fair spotted stain.
<u>JOHNSON (Top 4642)</u> 4642	Tan chalky to slight oolitic lime with no show.
4670 to 4690	Tan fine crystalline to vuggy lime with tar spotted stain.

4½" new 10½# casing was set at 4769', 1' off bottom with 225 sx ASC cement. Zero point is 5' AGL and the shoe joint is 18-52' long.

Sincerely.

  
Dick Parker, Geologist

ORIGINAL

15-109-20508-0000

DRILLING INFORMATION ON THE CLARK "A" NO. 3

Drilling Contractor: Red Tiger Drilling Co.

Drillers: Fulton  
Barriger  
McQuitty

Tool Pusher: Rick Barriger

Spud Date: April 27, 1991

Date of RTD: May 5, 1991

Surface Pipe: 8 5/8" @ 351'/200 sx

Casing: 4 1/2" @ 4769/225 sx  
ASC  
Basket @ 2720'

TOTAL FOOTAGE DRILLED PER DAY

Under Surface At 3:30 AM on April 28, 1991

	Feet	At	7:00 AM	On	
535					4-28-91
2185	"	"	"	"	4-29-91
2875	"	"	"	"	4-30-91
3575	"	"	"	"	5-01-91
3945	"	"	"	"	5-02-91
4285	"	"	"	"	5-03-91
4535	"	"	"	"	5-04-91
4770	"	"	1:25 PM	"	5-05-91

BIT RECORD

Bits	Type	Footage
#1	Reed - HP-12 (new)	351 to 1643
#2	Varel-437C (new)	1643 to 4770

MUD RECORD

Mud Company - MUD-CO

Type: Chemical

Surface:	10 sx gel, 1 sk lime
2735	20 sx gel
3290	102 sx gel, 4 sx soda ash, 4 sx casutic, 4 sx lignite
3760	102 sx gel, 5 sx soda ahs, 5 sx caustic, 5 sx lignite
4200	15 sx gel, 1 sk caustic, 1 sk drispac
4460	20 sx gel, 2 sx caustic, 1 sk monopac, 1 sk lignite
4730	20 sx gel, 2 sx caustic, 1 sk soda ash, 1 sk lignite

15-109-20508-0000

DRILLERS TIME LOG

Frontier Oil Company  
No. 3 Clark "A"

Apx. SW SW SW  
17-12-33W  
Logan County

Elev.: 3150 DF  
3153 KB

---

DEPTH	MINUTES	REMARKS
	1 Foot Drilling Time	
3700 to 3710	4-3-4-3-5-4-1-2-2-2	
3720	3-2-3-3-4-3-3-3-4-3	
3730	3-3-3-3-3-3-2-3-3-3	
3740	3-3-4-3-3-4-4-3-1-2	
3750	3-3-3-3-1-3-2-3-2-3	
3760	3-3-2-3-2-3-2-3-2-2	
3770	1-2-2-3-2-2-2-2-2-2	
3780	2-2-1-2-3-4-2-3-2-2	
3790	2-2-2-2-2-3-2-2-3-2	
3800	3-2-3-2-3-2-2-2-2-2	
3800 to 3810	2-2-2-3-2-3-4-3-3-4	
3820	3-3-4-3-2-2-2-3-3-2	
3830	3-2-3-3-3-3-2-2-3-1	
3840	2-3-3-2-2-2-2-3-3-4	
3850	4-2-3-2-3-2-3-2-2-2	
3860	2-2-2-2-3-2-2-2-2-1	
3870	2-2-3-4-3-3-4-5-3-4	
3880	3-4-3-4-3-3-4-3-4-4	
3890	2-2-2-2-2-2-1-2-2-2	
3900	2-2-2-2-2-3-2-2-2-3	
3900 to 3910	2-1-2-2-2-2-2-2-2-1	
3920	1-3-2-2-3-2-2-2-2-2	
3930	5-5-2-2-2-4-3-3-1-2	
3940	1-1-1-1-1-1-1-1-1-1	
3950	1-1-1-1-2-2-1-2-2-3	
3960	3-4-3-4-3-3-4-2-2-2	
3970	2-3-2-2-2-4-4-4-4-4	
3980	4-4-3-3-4-3-3-3-4-3	
3990	4-4-4-4-5-4-3-3-3-4	
4000	4-4-5-4-2-1-1-1-2-2	

ORIGINAL

15.109.20508.0000

4000 to 4010	1-2-2-2-1-1-2-3-5-4
4020	4-4-3-2-1-1-1-3-3-2
4030	2-2-2-2-2-2-3-2-2-2
4040	4-2-2-1-3-3-4-4-5-3
4050	2-3-3-4-4-4-4-5-4-5
4060	5-6-6-5-5-4-5-4-4-4
4070	4-5-4-3-3-4-4-4-4-3
4080	3-4-4-5-5-6-6-5-6-3
4090	3-3-4-3-3-3-2-2-2-1
4100	2-2-1-2-2-1-2-2-3-3
4100 to 4110	4-3-4-4-3-4-4-4-3-4
4120	5-3-3-2-2-2-2-2-3-3
4130	3-2-3-5-4-4-4-4-3-2
4140	4-3-2-4-4-4-3-4-3-4
4150	2-4-5-4-4-5-4-4-5-5
4160	5-5-5-4-4-5-7-5-4-5
4170	4-6-6-5-7-6-7-7-7-3
4180	3-4-2-2-4-3-4-3-2-3
4190	3-5-6-5-4-2-2-4-3-5
4200	5-3-3-1-6-5-4-5-5-4
4200 to 4210	3-4-3-4-3-3-3-3-3-3
4220	4-5-5-5-6-5-4-4-4-4
4230	5-5-5-5-4-5-5-6-4-6
4240	7-7-6-7-6-8-6-6-5-5
4250	5-5-5-5-4-5-5-6-5-7
4260	6-5-6-6-5-6-6-6-4-7
4270	5-6-6-6-6-6-6-6-5-7
4280	6-6-5-4-5-5-5-4-3-5
4290	6-6-6-9-9-6-4-4-4-4
4300	4-6-5-5-6-6-5-5-6-5
4300 to 4310	6-6-6-7-4-4-5-5-4-4
4320	6-5-3-3-5-5-5-5-5-4
4330	5-4-4-3-4-3-3-5-6-5
4340	6-6-7-5-7-5-5-6-5-7
4350	6-6-6-7-5-6-6-5-5-6
4360	5-5-6-5-4-5-6-5-5-4
4370	5-4-5-6-6-3-5-4-4-4
4380	7-6-5-6-6-5-6-5-5-5
4390	6-4-4-4-4-5-4-4-5-5
4400	4-5-6-7-6-5-4-4-2-2
4400 to 4410	3-2-3-2-3-3-3-3-4-5
4420	5-4-4-5-4-5-4-4-5-5
4430	4-5-6-8-9-7-9-9-9-6
4440	6-6-6-5-7-5-7-9-7-9
4450	8-8-6-6-4-6-5-5-5-5
4460	5-6-5-6-6-6-7-6-6-6
4470	5-5-6-6-5-6-5-6-5-7
4480	9-7-5-6-6-7-6-5-7-8
4490	7-7-6-5-7-6-8-7-8-7
4500	8-9-6-7-8-5-5-5-5-5



ORIGINAL

15-109-20508-0000

4500 to 4510	5-5-5-7-8-7-9-9-5-4
4520	6-7-9-6-5-5-5-5-4-4
4530	4-4-6-4-5-4-4-4-5-5
4540	6-5-4-5-6-6-6-5-5-5
4550	5-5-5-5-5-7-5-6-5-6
4560	6-6-8-8-9-6-5-5-5-5
4570	4-6-5-4-5-6-8-6-3-4
4580	8-7-6-5-4-4-4-4-4-7
4590	6-6-5-5-5-5-6-4-5-7
4600 to 4610	6-5-5-6-6-5-4-5-6-5
4620	4-6-6-5-4-5-5-6-2-2
4630	2-6-7-6-5-6-7-7-6-5
4640	9-6-7-9-8-7-6-6-8-6
4650	5-6-6-5-6-6-6-5-8-9
4660	8-8-7-7-6-6-5-5-6-4
4670	5-5-5-5-5-5-5-6-3-3
4680	4-3-4-4-4-5-4-5-4-5
4690	4-3-5-4-4-3-4-4-3-3
4700 to 4710	3-3-4-3-5-3-3-4-2-3
4720	3-3-3-4-4-4-2-3-3-3
4730	5-3-4-5-4-5-9-8-5-1
4740	½-½-½-½-½-½-½-½-½-1
4750	1-1-1-2-2-1-2-2-3-2
4760	2-5-3-2-3-3-4-2-1-1
4770	1-2-3-2-2-4-4-3-4-5
	5-5-5-7-6-6-6-5-5-5
	5-4-4-5-7-6-6-6-6-6

RTD 4770

# ALLIED CEMENTING CO., INC.

No 1479

Home Office P. O. Box 31

Russell, Kansas 67665

15109205080000

Date <i>4-28-91</i>	Sec. <i>17</i>	Twp. <i>12</i>	Range <i>33</i>	Called Out <i>11:30 AM</i>	On Location <i>3:15 PM</i>	Job Start <i>6:35 PM</i>	Finish <i>7:00 PM</i>
Lease <i>Clark "A"</i>	Well No. <i>3</i>	Location <i>Monument 75 E side</i>			County <i>Logan</i>	State <i>Ka</i>	

Contractor <i>Red Tiger</i>	Owner <i>Frontier Oil Co.</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>351'</i>
Csg. <i>8 5/8</i>	Depth <i>351'</i>
Tbg. Size	Depth
Drill Pipe	Depth
Tool	Depth
Cement Left in Csg. <i>15'</i>	Shoe Joint
Press Max.	Minimum
Meas Line	Displace <i>21.9</i>
Perf.	

Charge To <i>Frontier Oil Co.</i>
Street <i>1437 N. Franklin</i>
City <i>Russell</i> State <i>Ko 67665</i>
The above was done to satisfaction and supervision of owner agent or contractor.
Purchase Order No.
X <i>Shawn McQuitty</i>
<b>CEMENT</b>
Amount Ordered <i>2000x 60/40 2% gel 3% cc</i>
Consisting of

EQUIPMENT		RECEIVED
<i>near City</i>		
No.	Cementer	STATE CORPORATION COMMISSION <b>AUG 27 1991</b>
Pumptrk* <i>158</i>	Helper	
No.	Cementer <i>JAYSON</i>	CONSERVATION DIVISION Wichita, Kansas
Pumptrk	Helper <i>Bob</i>	
	Driver <i>BILL</i>	
Bulktrk* <i>116</i>	Driver	

Common	<i>120</i>	<i>6.10</i>	<i>722.00</i>
Poz. Mix	<i>80</i>	<i>2.40</i>	<i>192.00</i>
Gel.	<i>4</i>	<i>6.25</i>	<i>NIC</i>
Chloride	<i>6</i>	<i>21.00</i>	<i>126.00</i>
Quickset			
Handling	<i>200</i>	<i>1.00</i>	<i>200.00</i>
Mileage	<i>15</i>		<i>120.00</i>
<i>OAKLEY</i>			
			Total <i>1370.00</i>

DEPTH of Job		
Reference:	<i>Pump trak charge</i>	<i>380.00</i>
<i>15</i>	<i>Mileage</i>	<i>30.00</i>
<i>OAKLEY 1.8 5/8 TWP</i>		<i>42.00</i>
Total		<i>452.00</i>

Floating Equipment	
Total \$	<i>1822.00</i>
Disc -	<i>364.40</i>
	<i>\$ 1457.60</i>

Remarks: *Cement did circulate*  
*6 bbl cement.*

*Thank you.*

# ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

No 2106

15:109-20508'0000

Date	5-5-91	Sec.	17	Twp.	12	Range	33	Called Out	4:30 PM	On Location	8:00 PM	Job Start	9:15 PM	Finish	10:15 PM
Lease	Clark	Well No.	"A" #3			Location			MONUMENT 75 E	County	LOGAN	State	KANSAS		
Contractor	Red Tiger Drilling Rig 10								Owner	SAM P					
Type Job	PRODUCTION														
Hole Size	7 7/8"			T.D.	4770'										
Csg.	4 1/2"			Depth	4769'										
Tbg. Size	Depth														
Drill Pipe	Depth														
Tool	Depth														
Cement Left in Csg.	15.82			Shoe Joint	15.82										
Press Max.	Minimum														
Meas Line	yes			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: **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 **Richard A. Barwick**  
**CEMENT 500 Gal WFR-2**  
 Amount Ordered: **240 SKS ASC**

### EQUIPMENT

#153 No.	Cementer	<b>M Kaufman</b>
Pumptrk	Helper	
No.	Cementer	<b>Gerald K</b>
Pumptrk	Helper	
#213	Driver	<b>JIM D.</b>
Bulktrk	Driver	

Consisting of		
Common	240 ASC	810 1944.00
Poz. Mix		
Gel.		
Chloride		
Quickset		
	500 Gal WFR2	.50 250.00
		Sales Tax
Handling	100	240.00
Mileage 16 mi	04	153.60
		Sub Total
		2587.60
		Total

DEPTH of Job		
Reference #	PUMP TRK	880.00
	1-4 1/2" plug	33.00
	200 Per mile	32.00
	Sub Total	945.00
	Tax	
	Total	

Remarks:  
**15 SKS IN RAT HOLE**  
**FLOAT HELD**

RECEIVED  
 STATE CORPORATION COMMISSION  
 AUG 27 1991  
 CONSERVATION DIVISION  
 Wichita, Kansas

*[Handwritten Signature]*

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. 3289

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

Date	Sec	Swp	Range	Called Out	On Location	Job Start	Finish
8-22-91	17	12	33		8:00 AM		3:00 PM

Lease	Well No.	Location	County	State
Clark	A-13	Manhattan	Ellis	Kan

Contractor	Owner
Kelso Casings Pullins	Owner

Type Job
Oil Well Plug

Hole Size	I.D.
7 7/8	4 2/20

Csg.	Depth
4 1/2 - 8 5/8	4269 - 351

Tbg. Size	Depth

Drill Pipe	Depth

Tool	Depth

Cement Left in Csg.	Shoe Joint

Press Max.	Minimum

Meas Line	Displace

Perf.

**EQUIPMENT**

No.	Cement	Walt	1043.10
Pumptrk 191	Helper	Gary	1237.60
Pumptrk	Helper	Joe	182.25
Bulktrk 212	Driver		
Bulktrk	Driver		

DEPTH of Job	Reference	360.00	285.00
	Pumptruck	30.00	171.00
	2.00 per mile 15m	390.00	1918.95
	Sub Total		
	Tax		
	Total		

Remarks: mixed 50 sks cement w/ 4 sks bel to 2600' mixed 100 sks cement w/ 3 sks bel @ 1450' mixed 135 sks cement @ 400' Circ to 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.  
 Charge to: Frontier Oil Co.  
 Street: 1437 N. Franklin  
 City: Russell, Kansas State: Kansas 67665

The above was done to satisfaction and supervision of owner agent for contractor.  
 Purchase Order No. *Donald H. Sparrow*

Amount Ordered: 285.00 per 10% bel  
 Consisting of:  
 Common 171.00  
 Poz. Mix 114.00  
 Gel. annul 27.00  
 Chloride 2.00  
 Quicks 1.00

Handling 1.00 per sk  
 Mileage 44 per sk/mile 15m  
 Sub Total 1918.95  
 Flooding Equipment

RECEIVED  
 STATE CORPORATION COMMISSION  
 AUG 27 1991  
 CONSERVATION DIVISION  
 Wichita, Kansas  
 AUG 26 1991