

ORIGINAL

SIDE ONE

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

Operator: License # 5140

Name: Frontier Oil Company

Address 125 N. Market, Ste. 1720

City/State/Zip Wichita, Kansas 67202

Purchaser: N/A

Operator Contact Person: Jean Angle

Phone (316) 263-1201

Contractor: Name: Red Tiger Drilling Co.

License: 5302

Wellsite Geologist: Steve 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 **OWMO**: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

- Mud Rotary Air Rotary Cable

3-6-91 3-14-91 3-14-91
Spud Date Date Reached TD Completion Date

API NO. 15- 155-21-156-0000

County Reno

SE SE Sec. 14 Twp. 25 Rge. 8W East West

660 Ft. North from Southeast Corner of Section

660 Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

Lease Name Borth Well # 1

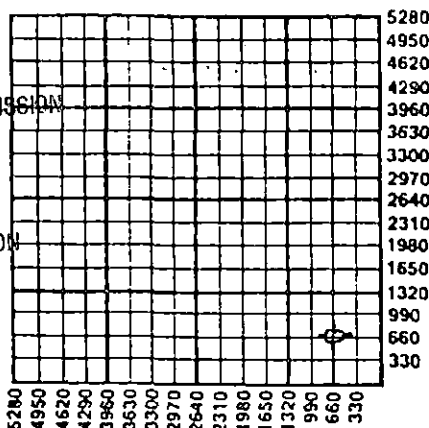
Field Name Arlington

Producing Formation N/A

Elevation: Ground 1570 KB 1575

Total Depth 3772 PBD N/A

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5-8-91
MAY 08 1991
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Wichita, Kansas



Amount of Surface Pipe Set and Cemented at 263 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 wells. 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.

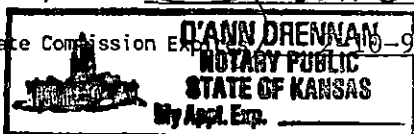
Signature Jean Angle

Title Agent Date 5-7-91

Subscribed and sworn to before me this 7th day of May, 19 91.

Notary Public D. Ann Drennan

Date Commission Expires 10-94



K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Drillers Time Log Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep <input type="checkbox"/> NGPA
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug <input type="checkbox"/> Other (Specify)

SIDE TWO

Operator Name Frontier Oil Company Lease Name Borth Well # 1
 Sec. 14 Twp. 25 Rge. 8W East West
 County Reno

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. **No log run**

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.)
DST's are attached

Name	Formation Description	
	Top	Bottom
Heebner	2959	-1384
Douglas Sand	3126	-1551
Brown Lime	3180	-1605
Lansing-Kansas City	3192	-1617
Base of Kansas city	3566	-1991
Mississippi Chert	3762	-2187
RTD	3772	-2197

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#	263	60-40 Poz	160	2% gel, 3% CC

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)		Depth
	N/A			

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

Date of First Production _____ 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: N/A
 Vented Sold Used on Lease (If vented, submit ACO-18.)
METHOD OF COMPLETION Open Hole Perforation Dually Completed Commingled
 Other (Specify) _____

ORIGINAL

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

No 1687

New

Date	3-14-91	Sec.	14	Twp.	25	Range	8	Called Out	<input checked="" type="checkbox"/>	On Location	2:00 PM	Job Start	3:00 PM	Finish	4:30 PM
Lease	Porter	Well No.	1	Location		Arlington		1E 2S NW/40	Reno	County	KS	State			
Contractor	Red Tiger Plug #6														
Type Job	Plug to abandon (Rotary Plug)														
Hole Size	7 7/8	T.D.	3772'												
Csg.	Depth														
Tbg. Size	Depth														
Drill Pipe	4 1/2	Depth	1100'												
Tool	Depth														
Cement Left in Csg.	Shoe Joint														
Press Max.	Minimum														
Meas Line	Displace														
Perf.															

Owner Sime

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 Ks 67665

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

Purchase Order No.
 Howard Paul

CEMENT

Amount Ordered 145 sks 60/40 4% ge. 1

Consisting of

Common	87	5.25	456.75
Poz. Mix	58	2.25	130.50
Gel.	6	6.75	40.50
Chloride			
Quickset			

Handling 145 1.00 145.00

Mileage 6.5 m-l 377.00

Total 1149.75

Flooring Equipment

Total \$ 1603.75

Disc - 320.75

\$ 1283.00

EQUIPMENT

PTB No.	Cementer	Phil
Pumptrk 195	Helper	Yancy
Pumptrk No.	Cementer	
	Helper	
Bulktrk 101	Driver	Mark
Bulktrk	Driver	

DEPTH of Job

Reference:	Pump Trk Chg	380.00
37	Pump Trk mid	74.00
	Total	454.00

Remarks: SPT 35sks - 1100',
35sks - 700'
35sks - 310'
25sks - 60'
15sks - Pit hole Thank You!

Allied Cementing Co. Inc.
By Philip Jamy

B: Kelly

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STATE CORPORATION COMMISSION
MAY 08 1991
CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

ALLIED CEMENTING CO., INC.

No 1225

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	3-6-91	Sec.	14	Twp.	25	Range	8	Called Out	✓	On Location	4:45 PM	Job Start	11:15 AM	Finish	12:15 AM
Lease	Borth	Well No.	1	Location				Arlington 1E 25 N 4 W 20 R 20		County	Ren	State	KS		
Contractor	Red Tiger Drlg # 6					Owner					Same				
Type Job	Surface casing					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	12 1/4		T.D.		264'										
Csg.	8 5/8		Depth		263'										
Tbg. Size			Depth												
Drill Pipe			Depth												
Tool			Depth												
Cement Left in Csg.	15'		Shoe Joint												
Press Max.			Minimum												
Meas Line			Displace		7626.00 bbl's										
Perf.															

EQUIPMENT

G.T. Bend No.	Cementer	Ph: 1	
	Pumptrk 195	Helper	Veney
Pumptrk No.	Cementer		
	Helper		
	Driver		
Bulktrk			
Bulktrk	Driver		

DEPTH of Job

Reference:	Pump Trk Chg	380.00
part 37	Pump Trk mix	74.00
1	8 5/8 Plug	42.00
	Sub Total	
	Tax	
	Total	496.00

Remarks: Cement did circulate

Thank You!

Allied Cementing Co. Inc.

By Philip Tringian

Drig

Charge To: Frontier Oil Co.
Street: 1437 N. Franklin
City: Russell State: KS 67665

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

Purchase Order No. X David Mathew

CEMENT

Amount Ordered: 160 SKS 60/40 2 1/2 gal 3 1/2 cc

Consisting of:

Common	96	5.25	504.00
Poz. Mix	64	2.25	144.00
Gel.	3	6.75	NIC
Chloride	5	21.00	105.00
Quickset			

Handling	160	1.00	160.00
Mileage	6.5		416.00
M. Ldy			
		Sub Total	
		Total	1329.00

Floating Equipment

Total \$ 1825.00

Disc - 365.00

\$ 1460.00

RECEIVED CORPORATION COMMISSION

MAY 08 1991

CONSERVATION DIVISION
Wichita, Kansas