

ORIGINAL SIDE ONE

CONFIDENTIAL

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

API NO. 15-163-23,132-00-00

County Rooks  
NW SE SW Sec. 33 Twp. 9S Rge. 19  East West

990 Ft. North from Southeast Corner of Section  
3630 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

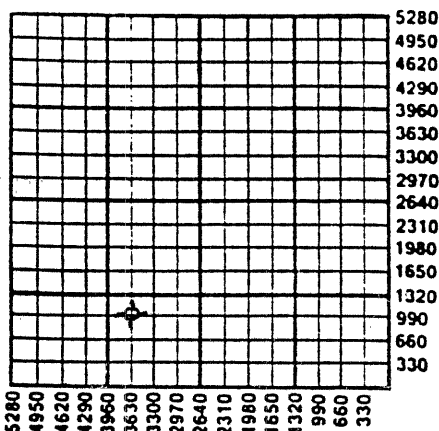
Lease Name Hamel "A" Well # 1

Field Name Lynd

Producing Formation \_\_\_\_\_

Elevation: Ground 2207 KB 2212

Total Depth 3810 PBD \_\_\_\_\_



2-11-91  
FEB 11 1991

A1-2 Dxo

Amount of Surface Pipe Set and Cemented at 214 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.

Operator: License # 5140

Name: FRONTIER OIL COMPANY

Address 125 N. Market, Ste. 1720

City/State/Zip Wichita, KS 67202

Purchaser: N/A

Operator Contact Person: Jean Angle

Phone (316) 263-1201

Contractor: Name: RED TIGER DRILLING CO.

License: 5302

Wellsite Geologist: Mr. Richard 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

1-11-91 1-21-91 1-21-91

Spud Date Date Reached TD Completion Date

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.

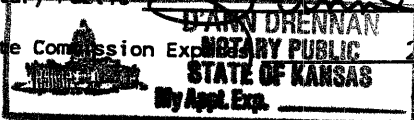
Signature Jean Angle

Title Agent Date 2-6-91

Subscribed and sworn to before me this 6th day of February, 19 91.

Notary Public Diane Drennan

Date Commission Expires 2-10-94



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)

Operator Name FRONTIER OIL COMPANY Lease Name Hamel "A" Well # 1  
 Sec. 33 Twp. 9S Rge. 19  East County Rooks  West

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.

**CONFIDENTIAL**

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	1606	+606
Topeka	3190	-978
Heebner	3382	-1170
Toronto	3402	-1190
Lansing-Kansas City	3422	-1210
Base of Kansas City	3642	-1430
Conglomerate	3724	-1512
RTD	3810	-1598

**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 1/4"	8 5/8"	20#	214	60-40POZ	140	2%gel, 3%CC

Shots Per Foot	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 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 \_\_\_\_\_

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

**CONFIDENTIAL**

Phone 913-483-2627, Russell, Kansas

Phone 316-793-5861, Great Bend, Kansas

ORIGINAL

New

15-163-23132-00-00

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

# ALLIED CEMENTING CO., INC. No. 9646

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

Date	1-11-91	Sec.	33	Twp.	9 <sup>s</sup>	Range	19 <sup>w</sup>	Called Out	12:45 P.M.	On Location	3:00 P.M.	Job Start	5:40 P.M.	Finish	6:00 P.M.	
Lease	Hamel	Well No.	1	Location				Zurich 2w 3/4 S 1/8 E	County	Rooks	State	Ks.				

Contractor Red Tiger Drilling Rig #4

Type Job Set Surface Pipe

Hole Size	12 1/4"	T.D.	218'
Csg.	8 7/8"	Depth	214'
Tbg. Size		Depth	
Drill Pipe		Depth	
Tool		Depth	
Cement Left in Csg.	12'	Shoe Joint	
Press Max.		Minimum	
Meas Line	X	Displace	X
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 Company

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. John W. Ford

**CEMENT**

**EQUIPMENT**

No.	Cementer	Helper	Driver
Pumptrk 191	Gary H.	Wayne Mc.	
Pumptrk			Glen C.
Bulktrk #212			
Bulktrk			

Amount Ordered 140 sks 60/40 poz 2logel, 3% C.C.

Consisting of

Common	84 sks @ \$5.25/sk	\$441.00
Poz. Mix	56 sks @ 2.25/sk	126.00
Gel.	2 sks	N/C
Chloride	4 sks @ 21.00/sk	84.00
Quickset		

**DEPTH of Job**

Reference	Description	Amount
#1	Pumptruck-surface	\$380.00
#13	mileage @ 2.00/mi	20.00
	1-8 7/8" wooden plug	42.00
	<b>Sub Total</b>	<b>\$442.00</b>
	Tax	
	<b>Total</b>	

Sales Tax

Handling @ 1.00/sk (140 sks)	140.00
Mileage @ 0.41/sk (10 mi)	56.00
<b>Sub Total</b>	<b>\$847.00</b>
<b>Total</b>	

Floating Equipment Thanks

Remarks: Cement Circulated.

2627 Russell, Kansas

316-793-5861 Great Bend, Kansas

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

# ALLIED CEMENTING CO., INC. No. 9609

Home Office P. O. Box 31

Russell, Kansas 67665

Date	1-21-91	Sec	33	Twp	9 <sup>s</sup>	Range	19 <sup>w</sup>	Called Out		On Location	11:15 AM	Job Start	1:00 PM	Finish	3:30 PM
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Lease	Hamel	Well No.	1-A	Location	Zurick 1W-6S-14E	County	Rooks	State	Kan
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Contractor: *Red Tiger Drilling #4*

Owner:

Type Job: *Plug*

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: *2 7/8"* I.D. *3810'*

Csg: *8 5/8"* Depth: *204'*

Charge To: *Frontier O.I. Co.*

Tbg. Size: Depth:

Street: *125 N. Market, Suite 1720<sup>th</sup>*

Drill Pipe: Depth:

City: *Wichita* State: *Kan* 67202

Tool: Depth:

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

Cement Left in Csg: Shoe Joint:

Purchase Order No.

Press Max: Minimum:

X *W.C. Oglet*

Meas Line: Displace:

Perf.

**CEMENT**

### EQUIPMENT

Amount Ordered: *190<sup>00</sup> 9/40/92, 6% 1/2*

Pumptrk No. Cementer: *Walt*

Consisting of: *2 Fl-500*

Pumptrk No. Helper: *Tommy*

Common: *114* 5.25 578.50

Pumptrk No. Cementer:

Poz. Mix: *76* 2.25 171.00

Pumptrk No. Helper:

Gel: *used 10 Chg 7* 6.75 47.25

Bulktrk No. Driver: *Ed*

Chloride

Bulktrk No. Driver:

Quickset: *2 5/8 Fl-500* 25.00 50.00

DEPTH of Job:

Handling: *100 per sk* 190.00

Reference: *Pump truck* 380.00

Mileage: *44 per sk/mile 9m* 68.40

*500 Dr-140-Plug* 21.00

Sub Total: 1125.15

*200 per mile 9m* 18.00

Total: 1125.15

Sub Total: 417.00

Tax: Total

Remarks: *25 SKS @ 1440'*

Floting Equipment

*100 SKS @ 1140'*

*40 SKS @ 250'*

*10 SKS @ 40'*

*15 SKS in R.H.*

*[Handwritten signature]*