

ORIGINAL

SIDE ONE

Confidential RELEASED 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

API NO. 15-167-01,022-00-01 County Russell SE SW SW Sec. 27 Twp. 11 Rge. 15

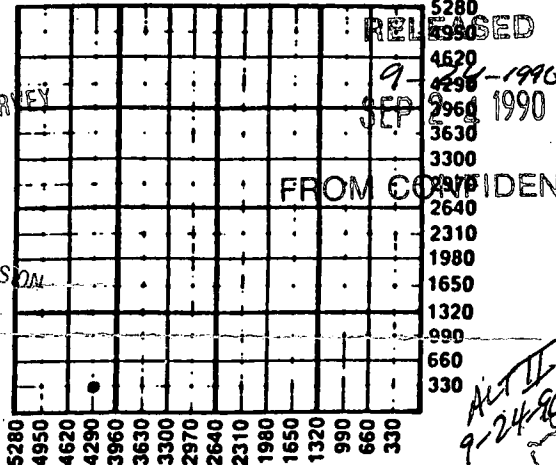
330 Ft North from Southeast Corner of Section 4290 Ft West from Southeast Corner of Section (Note: Locate well in section plat below)

Lease Name Abbott Well # 3 Field Name WC Producing Formation Lansing Elevation: Ground 1804 KB 1807 Section Plat

Operator: License # 5140 Name Frontier Oil Company Address 125 N. Market, Ste. 1720 City/State/Zip Wichita, Kansas 67202 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. Barker Phone 913-483-5348

Designate Type of Completion New Well X Re-Entry & DD Workover X Oil SWD Temp Abd Gas Inj Delayed Completion Dry Other (Core, Water Supply etc.) If OKW/O: old well info as follows: Operator Abercrombie Drilling, Inc. Well Name #1 Hagaman Comp. Date 8-17-64 Old Total Depth 3317

OCT 2 8 1989 KANSAS GEOLOGICAL SURVEY WICHITA BRANCH RECEIVED 10-10-89 OCT 10 1989 OIL & GAS CONSERVATION DIVISION WICHITA, KANSAS



WATER SUPPLY INFORMATION Disposition of Produced Water: Docket # Disposal 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: 1600 Ft North from Southeast Corner (Well) 5000 Ft West from Southeast Corner Surface Water: 1600 Ft North from Southeast Corner (Stream) 5000 Ft West from Southeast Corner Sec 4 Twp 12 Rge 15 Other (explain) (purchased from city, R.W.D. #)

WELL HISTORY Drilling Method: X Mud Rotary Air Rotary Cable 4-13-89 4-17-89 5-24-89 Spud Date Date Reached TD Completion Date 3550 N/A Total Depth PBD Amount of Surface Pipe Set and Cemented at 241' feet Multiple Stage Cementing Collar Used? Yes X No If yes, show depth set feet If alternate 2 completion, cement circulated from 481' feet depth to surface 250' SX cmt Cement Company Name Allied Cementing Co. 550. ex Invoice # 7565 (Approved by Don Butcher) 10-12-89

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 Agent Title Date May 31, 1989 Subscribed and sworn to before me this 31st day of May 1989 Notary Public Ann J. Sennan Date Commission Expires 2-10-90

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

Operator Name Frontier Oil Company Lease Name Abbott Well # 13

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

CONFIDENTIAL

WELL LOG

9-24-1990
SEP 24 1990

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 Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

Name	Top	Bottom
Anhydrite	879	+ 928
Topeka	2636	- 829
Heebner	2908	-1101
Toronto	2927	-1120
Lansing-Kansas City	2959	-1152
Re-worked Arbuckle	3272	-1465
Arbuckle	3291	-1484
RTD	3550	-1743

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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#	241	140 sx		
Production	7-7/8"	4 1/2" (used)	9 1/2# & 10 1/2#	3380	150 sx	Com	10% salt
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)			
Shots Per Foot	Specify Footage of Each Interval Perforated					Depth	
4	3172-80			1500 gal. 15% reg.		3172-80	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Size 2-3/8"		Set At 3312	Packer at N/A	N/A			
Date of First Production		Producing Method					
5-24-89		<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
25 BOPD		N/A	N/A	8 BWPD	N/A	40	
		Bbls	MCF	Bbls	CFPB		

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Sold Used on Lease Open Hole Perforation Other (Specify) 3172-80
 Dually Completed Commingled



15-167-01022-00-00

Kansas Corporation Commission

MIKE HAYDEN GOVERNOR
KEITH R. HENLEY CHAIRMAN
RICH KOWALEWSKI COMMISSIONER
MARGALEE WRIGHT COMMISSIONER
JUDITH McCONNELL EXECUTIVE DIRECTOR
FRANK A. CARO, JR. GENERAL COUNSEL

CONSERVATION DIVISION
SHARI FEIST ALBRECHT, DIRECTOR
200 Colorado Derby Bldg.
202 W. 1st Street
Wichita, KS 67202-1286
(316) 263-3238

September 15, 1989

RECEIVED
STATE CORPORATION COMMISSION
10-10-1989
OCT 10 1989
Wichita, Kansas

George A. Angle
Frontier Oil Company
1720 Kansas State Bank Building
Wichita, Kansas 67202

Re: Abbott #2 & 3
Sec. 27-T11S-R15W
Russell County, Kansas

Dear Mr. Angle:

This letter is written to inform you that you have been granted a 30-day extension of time to complete Alternate II cementing on the above-described wells. No further extension will be available for completing cementing on these wells.

Your 30-day extension will run from September 18, 1989, and expire on October 17, 1989. Before completing the cementing of these wells, please contact the Hays District Office at (913) 628-1200.

Extension of this time frame pursuant to K.A.R. 82-3-106, automatically extends the time period for filing the ACO-1, pursuant to K.A.R. 82-3-130.

If you have any questions in this regard, please do not hesitate to contact me. Thank you for your cooperation.

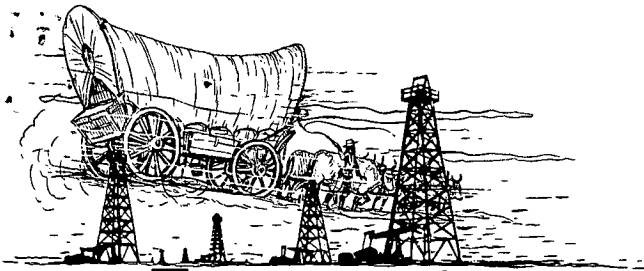
Sincerely,

Shari Feist Albrecht

Shari Feist Albrecht
Director

SFA:kr
cc: Don Butcher
Dennis Anderson
Dave Williams
Mike Engelbrecht
Janice Martin

RECEIVED SEP 13 1989



15-167-01022-00-06

FRONTIER OIL COMPANY

1720 KANSAS STATE BANK BUILDING

WICHITA, KANSAS 67202

TELEPHONE 316-263-1201

October 6, 1989

Mrs. Shari Feist Albrecht
Kansas Corporation Commission
202 W. 1st
Wichita, Kansas 67202

RECEIVED
STATE CORPORATION COMMISSION
10-10-1982
OCT 10 1989
CONSERVATION DIVISION
Wichita, Kansas

Re: Frontier Oil Company
#2 Abbott
#3 Abbott

Dear Mrs. Feist Albrecht:

Attached are completed forms and cement tickets on the #2 Abbott and #3 Abbott. This completes the Alternate II cementing requirements. All cementing procedures were completed under supervision of Mr. Don Butcher of the Hays District.

Thank you granting the additional time to complete our requirements.

Sincerely,

FRONTIER OIL COMPANY

A handwritten signature in black ink that reads "George A. Angle". The signature is written in a cursive style with a large, prominent "G" and "A".

George A. Angle

GAA/dd
encl.

COPY

15-167-01022-00-01

CONFIDENTIAL

RELEASED
9-24-1990
SEP 24 1990

FROM CONFIDENTIAL

FRONTIER OIL COMPANY

NO. 3 ABBOTT (WASH DOWN)

SE SW SW Sec. 27-11S-15W
RUSSELL COUNTY, KANSAS

DATE COMMENCED : April 13, 1989

DATE OF RTD: April 17, 1989

KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

RECEIVED
STATE CORPORATION COMMISSION
6-1-1989

CONSERVATION DIVISION
Wichita, Kansas

JUN 01 1989

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

Frontier Oil Company
No. 3 Abbott (WD-DD)
SE SW SW Sec. 27-11-15W
Russell County, Kansas

Dear Sir:

The No. 6 Abbott is a wash down originally drilled and plugged by Abercrombie Drilling in 1964. The well was originally called the No. 1 Hagaman.

ORIGINAL TOPS

Elevation	1804 DF -- 1807 KB	
Anhydrite	879	+928
Topeka	2636	-829
Heebner	2908	-1101
Toronto	2927	-1120
Lansing-Kansas City	2959	-1152
Re-worked Arbuckle	3272	-1465
Arbuckle	3291	-1484
RTD	3318	-1511
New RTD	3550	-1743

4½" used casing was set at 3380' in the Arbuckle with 150 sx common cement and 10% added salt. Zero point is 5' AGL and the shoe joint is 31-33' long.

BIT RECORD

#1	Smith Re-tip	0 to 40
#2	Smith FDT	40 to 2148
#3	CP532 CM	2148 to 3550

MUD RECORD

Mud Company - Milpark Drlg. Fluids Type: Starch

1850 - 36 sx salt gel, 10 sx aqua gel, 1 sk lime
2825 - 20 sx salt gel
3302 - 55 sx salt gel, 10 sx hulls
3550 - 40 sx salt gel, 4 sx starch, 4 sx hulls, 1 sk preservative

15-167-01022-00-01

DRILLERS TIME LOG

Frontier Oil Company
No. 3 Abbott (WD-DD)

SE SW SW
27-11-15W
RUSSELL COUNTY, KANSAS

Elev.: 1800 GR
1805 KB

DEPTH	MINUTES	REMARKS
1 Foot Drilling Time		
3300 to 3310	X-X-X-X-X-X-X-X-X-X	
3320	X-X-X-X-X-X-X-4-2-4	
3330	2-2-1-2-2-2-2-2-2-3	
3340	4-3-2-3-2-3-3-3-3-4	
3350	2-3-2-3-3-2-4-2-2-3	
3360	2-3-2-2-2-3-2-4-3-3	
3370	4-3-3-3-2-3-4-4-3-2	
3380	4-2-3-3-3-3-3-3-3-4	
3390	2-3-2-2-2-2-2-2-2-1	
3400	2-2-2-2-2-3-3-2-3-3	
3400 to 3410	2-3-3-3-3-2-3-2-2-2	
3420	2-2-2-2-2-3-2-2-3-3	
3430	3-3-2-3-3-3-3-2-2-2	
3440	2-3-3-2-3-3-5-6-7-3	
3450	4-4-5-5-5-3-3-4-2-3	
3460	3-5-5-4-5-9-6-4-3-3	
3470	4-3-5-4-3-4-4-4-4-3	
3480	5-3-4-3-3-4-3-3-4-3	
3490	4-3-3-4-4-4-4-4-6-5	
3500	4-5-5-5-7-10-6-5-2-3	
3500 to 3510	4-4-6-4-6-6-4-4-4-2	
3520	3-4-3-4-4-4-4-3-4-3	
3530	3-3-3-3-2-3-2-4-4-3	
3540	3-3-4-4-5-4-3-3-4-3	
3550	4-3-3-3-3-3-2-3-3-4	

15-167-01022-00-01

Sincerely,

Richard Parker
Richard D. Parker

15-167-01022-00-06

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

ORIGINAL

Phone Plainville 913-434-2812
Phone Ness City 913-798-3842

GENERAL TERMS AND CONDITIONS

ALLIED CEMENTING CO., INC.

DEFINITIONS: In the No. 7565 contract, "mechanical" shall mean the requirements of this contract.

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

Date	10-4-89	Sec.		Twp.		Range		Called Out		On Location		Job Start		Finish	
Lease	Abbott	Well No.	3	Location	C-17-19-10-11			County	Rock	State	KS				
Contractor	L. Lewis Lobo Tool & Equipment														
Type Job	Squeezing (Performent)														
Hole Size	8 1/2" I.D.														
Csg.	Depth														
Tbg. Size	Depth														
Drill Pipe	Depth														
Tool	Depth 40 5/8"														
Cement Left in Csg.	Shoe Joint														
Press Max.	Minimum														
Meas Line	Displace														
Perf.	1/80														

EQUIPMENT

No.	Cement	Driver	Dave
Pumptrk 153	Helper		Beard
No.	Cement	Driver	Paul
Pumptrk 160	Helper		Beard
Bulktrk 153	Driver		Beard
Bulktrk	Driver		Beard

DEPTH of Job	
Reference:	Dump Trk chg
	100 Per mile
Sub Total	
Tax	
Total	

Remarks: tested plug @ 1000 PSI + Held
 shut hole @ 480 mixed 200 lbs @ 6" + 50 com 3% cc
 5 to seal & squeezed @ 1000 PSI changed tubing
 pressured casing @ 500 PSI + shut in

Charge	To	From	Oil
Street			
City			
State			
The above was done to satisfaction and supervision of owner, agent or contractor			
Purchase Order No.			
CEMENT			
Amount	50 com 3% cc		
Ordered	10/4/89		
Consisting of	50 com 3% cc		
Common			
Poz. Mix			
Gel.			
Chloride			
Quickset	OGT 1-0-1989		
CONSERVATION DIVISION Wichita, Kansas			
Handling			
Mileage			
Sub Total			
Total			
Floating Equipment			

15-167-01022-00-01

ORIGINAL

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.

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

Form No. 7565

Date	11/4/89	Sec.		Twp.		Range		Called Out		On Location		Job Start		Finish	
Lease	Abbott	Well No.	3	Location	Colo	17	9	County	Rawl	State	KS				
Contractor	Leaves							Owner							
Type Job	Squeezed							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		T.D.		Depth				Charge							
Csg.								To	From						
Tbg. Size								Street							
Drill Pipe								City							
Tool								State							
Cement Left in Csg.		Shoe Joint						The above was done to satisfaction and supervision of owner, agent or contractor							
Press Max.		Minimum						Purchase Order No.							
Meas Line		Displace													
Perf.	1/8"														

EQUIPMENT

No.	Cement	
153	Helper	Dave
	Helper	Beard
No.	Cement	
153	Driver	Ted
	Driver	Steve

DEPTH of Job	
Reference:	Dump at chg
	120 P.C. mile
Sub Total	
Tax	
Total	

Remarks: tested plug @ 1000 PSI Held
 shut hole @ 480 mixed 200 lb 6" + 50 com 2% cc
 Standard & Squeezed @ 1000 PSI changed tubing
 pressured casing @ 500 PSI & shut in

Charge	From	To
Street		
City		
State		
Purchase Order No.		
Amount		
Ordered	250 480 6" + 50 com 2% cc	
Consisting of	used	
Common		
Poz. Mix		
Gel.		
Chloride		
Quickset		
Sales Tax		
Handling		
Mileage		
Sub Total		
Total		
Floating Equipment		

15-167-01022-00-01 ORIGINAL

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

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

ALLIED CEMENTING CO., INC.

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

No. 7565

Date	11/4/89	Sec.		Twp.		Range		Called Out		On Location		Job Start		Finish	
Lease	Abbott	Well No.	3	Location	Colt	County	Rock	Contractor	Leons	Owner	Leons	Type Job	Squeez (fir cement)		
Hole Size		T.D.		Depth											
Tbg. Size		Depth													
Drill Pipe		Depth													
Tool		Depth		40 1/2											
Cement Left in Csg.		Shoe Joint													
Press Max.		Minimum													
Meas Line		Displace													
Perf.	1/80														

GENERAL TERMS AND CONDITIONS

You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed. Allied Cementing Co., Inc. is not responsible for any loss or damage to equipment or materials furnished under the terms of this contract.

Charge: Freight on Oil

City: _____ State: _____

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

Purchase Order No. _____

ALLIED CEMENT

EQUIPMENT

No.	Cementer	Helper
153	Dave	Beard
No.	Cementer	Helper
160	Ted	Steve
No.	Driver	
153	Ted	
No.	Driver	
153	Ted	

Amount of order: 250.00

Consisting of: 50 com 3/8 cc

Common

Poz. Mix

Gel.

Chloride: ammonium

Quickset

Sales Tax

Handling

Mileage

DEPTH of Job

Reference:	Dump truck chg
	120 Per mile
Sub Total	
Tax	
Total	

Sub Total

Total

Floating Equipment

Remarks: tested plug @ 1000 PSI
shot hole @ 480 mixed 200 to 6" + 50 com 3/8 cc
5 to 6" & squeezed @ 1000 PSI chored tubing
pressured casing @ 500 PSI & shot in

Phone 913-483-2627, Russell, Kansas

Phone Plainville 913-434-2812

Phone 316-793-5861, Great Bend, Kansas

Phone Ness City 913-798-3843

15-167-0022-00-0

ALLIED CEMENTING CO., INC.

DEFINITIONS: In the event of any conflict between the terms of this contract and the terms of any other contract, the terms of this contract shall prevail.

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

Date	4-17-89	Called Out	On Location	Job Start	Finish
Lease	Abbat	Location	Bohannon	County	Missouri
Contractor	Red Top Drilling	Job No.	8	State	Kan
Type	Trailing String	Job Description	To be furnished under the requirements of this contract.		
Hole Size	2 3/8	Depth	3550	Charge	3380
Csg.	4 1/2	Depth	3380	Tool	Russell
Tbg. Size		Depth		Cement Left in Csg.	31'
Drill Pipe		Depth		Press Max.	
Tool		Depth		Meas Line	
Cement Left in Csg.	31'	Shoe Joint	3 1/2 33	Perf.	
Press Max.		Minimum		EQUIPMENT	
Meas Line		Displace		No. Cementer	1
Perf.				No. Cementer	1
				No. Helper	1
				No. Driver	1
				No. Bulktrk	1
				No. Bulktrk	1
				Handing	90¢
				Mileage	34¢/mi
				Sub Total	1037.00
				Total	1088.00
				Remarks	Float Held
					That You

JAN 9 1989

CONSTRUCTION DIVISION
Missouri, Kansas

1-5-90

Please note that Abbott #3
was a WD-DD and that there
would not be any cement
ticket for surface.

Thank you.

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

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

15-167-01022-00-01

ALLIED CEMENTING CO., INC. NO. 7565

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

Date	11-4-89	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
Lease	Abbott	Well No.	3	Location	IF 9M/E	County	Rock	State
Contractor	Leons Cable Tools		Owner		G. J. ...			
Type Job	Squeez (Air Cement)							
Hole Size	T.D.		Depth					
Csg.	T.D.		Depth					
Tbg. Size	T.D.		Depth					
Drill Pipe	T.D.		Depth					
Tool	T.D.		Depth					
Cement Left in Csg.	Shoe Joint		Minimum					
Press Max.	Minimum		Displace					
Meas Line	Displace		Perf.					
Perf.	4/80							

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: Formation Oil

City: Rock State: KS

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

Purchase Order No. 11111

Amount Ordered: 250.00

Consisting of: used

Common Poz. Mix Gel. Chloride Quickset

EQUIPMENT

No.	Cementer	Helper
153	Dave	Ken
No.	Cementer	Helper
155	Ted	Steve
No.	Driver	
155		
Bulktrk	Driver	

DEPTH of Job

Reference:	Dump to chg
	11.700 Per mile
Sub Total	
Tax	
Total	

Remarks: tested plug @ 1000 PSI / Well
 set hole @ 480 mixed 200 lb / 6% + 50 com 3% cc
 5' good & squeezed @ 1000 PSI cleared tubing
 pressured casing @ 500 PSI / shut in

Handling	
Mileage	
Sub Total	
Total	
Floating Equipment	

JAN 9 1990

CONCRETE DIVISION