

ORIGINAL

CONFIDENTIAL

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

RELEASED

MAY 20 1992

API NO. 15- 163-23,146-0000

County Rooks

SW NE NW Sec. 15 Twp. 7 Rge. 19W East West

Operator: License # 5140 FROM CONFIDENTIAL

Name: Frontier Oil Company

Address 125 N. Market, Ste. 1720

City/State/Zip Wichita, Kansas 67202

Purchaser: Clear Creek

Operator Contact Person: Jean Angle

Phone (316) 263-1201

Contractor: Name: Red Tiger Drilling Co.

License: 5302

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 OWMO: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable

3-4-91 3-11-91 4-2-91
Spud Date Date Reached TD Completion Date

4290 Ft. North from Southeast Corner of Section

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

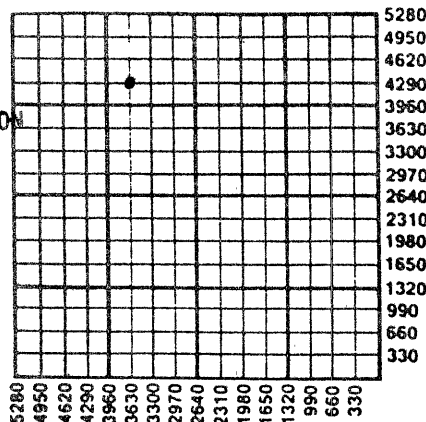
Lease Name Burton Well # 2

Field Name Grover North Ext.

Producing Formation LKC

Elevation: Ground 1968 KB 1973

Total Depth 3450 PBSD 3403



4-11-91

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 N/A 1496

feet depth to 0 w/ 365 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 4-8-91

Subscribed and sworn to before me this 8th day of April, 19 91.

Notary Public D'Ann Drennan

Date Commission Expires 0-94
D'ANN DRENNAN
NOTARY PUBLIC
STATE OF KANSAS
My Exp. _____

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)

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SIDE TWO

Operator Name Frontier Oil Company Lease Name Burton Well # 2
 Sec. 15 Twp. 7 Rge. 19W East West
 County Rooks

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.

Drill Stem Tests Taken (Attach Additional Sheets.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run (Submit Copy.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: center;">Formation Description</th> </tr> <tr> <th style="width: 30%;"></th> <th style="width: 10%; text-align: center;"><input type="checkbox"/> Log</th> <th style="width: 10%; text-align: center;"><input checked="" type="checkbox"/> Sample</th> <th style="width: 50%;"></th> </tr> <tr> <th style="text-align: left;">Name</th> <th style="text-align: center;">Top</th> <th style="text-align: center;">Bottom</th> <th></th> </tr> </thead> <tbody> <tr> <td>Anhydrite</td> <td></td> <td>1483</td> <td>+ 490</td> </tr> <tr> <td>Topeka</td> <td></td> <td>2922</td> <td>- 949</td> </tr> <tr> <td>Heebner</td> <td></td> <td>3126</td> <td>-1153</td> </tr> <tr> <td>Toronto</td> <td></td> <td>3150</td> <td>-1177</td> </tr> <tr> <td>Lansing-Kansas City</td> <td></td> <td>3165</td> <td>-1192</td> </tr> <tr> <td>Base of Kansas City</td> <td></td> <td>3388</td> <td>-1415</td> </tr> <tr> <td>Marmaton</td> <td></td> <td>3425</td> <td>-1452</td> </tr> <tr> <td>Cherty Conglomerate</td> <td></td> <td>3442</td> <td>-1469</td> </tr> <tr> <td>RTD</td> <td></td> <td>3450</td> <td>-1477</td> </tr> </tbody> </table>	Formation Description					<input type="checkbox"/> Log	<input checked="" type="checkbox"/> Sample		Name	Top	Bottom		Anhydrite		1483	+ 490	Topeka		2922	- 949	Heebner		3126	-1153	Toronto		3150	-1177	Lansing-Kansas City		3165	-1192	Base of Kansas City		3388	-1415	Marmaton		3425	-1452	Cherty Conglomerate		3442	-1469	RTD		3450	-1477
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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" (new)	20#	263	60-40 POZ	160	2% gel, 3% CC
Production	7-7/8"	4 1/2" (used)	10 1/2#	3443	ASC	160	

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)		Depth
		Amount	Kind	
4	3360-64'	500 gal.	15% NE Acid	3360-64
4	3336-42'	1000 gal.	15% NE Acid	3336-42
2	3318-22, 3298-3300, 3262-66, 3250-54'	500 gal.	15% NE Acid	(As shown)
	3244-46, 3324-28, 3206-10, 3166-72'	500 gal.	15% NE Acid	
	3152-56'	500 gal.	15% NE Acid	
		1000 gal.	15% NE Acid	
3	1495-96'	Squeezed w/300 sx 60-40 POZ		1495-96'
		8% gel, & 75 sx Com, 3% CC		

LUBING RECORD - Size 2-3/8" Set At 3397 Packer No Liner Run Yes No

Date of First Production	Producing Method <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 20 BOPD	Gas N/A Mcf	Water 7 BOPD
			Gas-Oil Ratio N/A
			Gravity 33

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

METHOD OF COMPLETION

Open Hole Perforation Dually Completed Commingled
 Other (Specify) _____

Production Interval Lansing-Kansas City

CONFIDENTIAL

All Zones Shown
On Perforation Record

Phone 313-483-2627, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

ORIGINAL CONFIDENTIAL

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

ALLIED CEMENTING CO., INC. No. 9734

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

Date	3-11-91	Sec.	15	Twp.	7 ^s	Range	19 ^w	Called Out	1:45 P.M.	On Location	5:15 P.M.	Job Start	9:50 P.M.	Finish	11:00 P.M.
Lease	Burton	Well No.	2	Location	Webster Dam 2N1/2W1/4S			County	Rooks	State	Ks.				
Contractor	Red Tiger Drilling Co.			Fig #	8										
Type Job	Production String														
Hole Size	7 7/8"	T.D.	3450'												
Csg.	4 1/2"	Depth	3443'												
Csg. Size	8 7/8"	Depth	263'												
Drill Pipe															
Tool															
Cement Left in Csg.	36'	Shoe Joint	36.19'												
Press Max.	900#	Minimum													
Meas Line	X	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 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. [Signature]
 X. [Signature]

CEMENT

Amount Ordered	175 sks ASC	
Consisting of	500 gal mud flush	
Common ASC	175 sks @ \$7.25/sk	\$1268.75
Poz. Mix		
Gel		
Chloride		
Quickset	WFR II - 500 gal @ \$0.50/gal	250.00
Sales Tax		
Handling	\$1.00/sk (175 sks)	175.00
Mileage	\$0.41/sk/mi (25 mi)	175.00
Sub Total		\$1868.75
Total		

EQUIPMENT

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

DEPTH of Job

Reference:	#1 Pumptruck-long string	\$880.00
	#13 mileage @ 2.00/mi	50.00
	1-4 1/2" rubber plug	33.00
Sub Total		\$963.00
Tax		
Total		

Remarks: Plugged rat hole w/15 sks.
 Float Held.

Floating Equipment: Thanks

RELEASED
 MAY 20 1992
 RECEIVED
 STATE COMMISSION
 4/11/91
 APR 11 1991

FROM CONFIDENTIAL

CONSERVATION DIVISION
 Wichita, Kansas

Russell, Kansas

1, Great Bend, Kansas

15163-23146-0000

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

No 1615

ORIGINAL CONFIDENTIAL ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date <i>3-27-91</i>	Sec. <i>15</i>	Twp. <i>7</i>	Range <i>19</i>	Called Out	On Location	Job Start	Finish <i>5:45 PM</i>
Lease <i>Burton</i>	Well No. <i>2</i>	Location <i>Webster Dam Old 24</i>		County <i>Rooks</i>	State <i>Ks</i>		
Contractor <i>Leans Cable Tools</i>				Owner <i>NEW</i>			
Type Job <i>(Squeez) Circulate Cement</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	T.D.			Charge To <i>Frontier Oil Company</i>			
Csg. <i>4 1/2</i>	Depth			Street <i>1437 N Franklin</i>			
Tbg. Size <i>2"</i>	Depth			City <i>Russell</i> State <i>Kan</i> <i>67665</i>			
Drill Pipe	Depth			The above was done to satisfaction and supervision of owner agent or contractor.			
Tool <i>Brad Oil</i>	Depth <i>1433</i>			Purchase Order No.			
Cement Left in Csg.	Shoe Joint			X			
Press Max.	Minimum			CEMENT			
Meas Line	Displace			Amount Ordered <i>300 60 8% gel 100 com 3% cc</i>			
Perf. <i>1495-96</i>				Consisting of <i>used 290 60 8% gel 75 com 3% cc</i>			

EQUIPMENT

No.	Cementer	<i>Dave</i>
Pumptrk <i>153</i>	Helper	<i>Beard</i>
No.	Cementer	
Pumptrk	Helper	
<i>160</i>	Driver	<i>Jim</i>
Bulktrk <i>196</i>	Driver	<i>Ed</i>
Bulktrk	Driver	

Common	<i>249</i>	<i>525</i>	<i>1307.25</i>
Poz. Mix	<i>116</i>	<i>225</i>	<i>261.00</i>
Gel. Used	<i>20 Chg 16</i>	<i>675</i>	<i>108.00</i>
Chloride	<i>2</i>	<i>21.00</i>	<i>42.00</i>
Quickset			

DEPTH of Job

Reference:	<i>Dump tub chg</i>	<i>475.00</i>
	<i>200 per mille</i>	<i>46.00</i>
	Sub Total	<i>521.00</i>
	Tax	
	Total	

Handling	<i>100</i>	<i>365.00</i>
Mileage	<i>23m</i>	<i>.04</i>
Sub Total		<i>335.80</i>
Total		<i>2419.05</i>

Remarks:

tested plug @ 1500 PSI, took Injection Rate @ 4 Bbl @ 400 PSI, mixed cement staged & squeezed @ 500 PSI, pulled tubing, pressured casing to 500 PSI & shut in,

RELEASED *Cement Co.* RECEIVED
STATE COMMISSION

MAY 20 1992

APR 11 1991

FROM CONFIDENTIAL

CONSERVATION DIVISION
Wichita, Kansas

483-2627, Russell, Kansas

316-793-5861, Great Bend, Kansas

ORIGINAL *New*

15163-23146-000
CONFIDENTIAL

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC. No. 9726

Home Office P. O. Box 31

Russell, Kansas 67665

Date	3-4-91	Sec.	15	Twp.	7 ^s	Range	19 ^w	Called Out	8:00 A.M.	On Location	10:15 A.M.	Job Start	2:40 P.M.	Finish	3:00 P.M.
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Lease	Burton	Well No.	2	Location	Webster Dam 2N 1/2 W 1/4 S	County	Reeks	State	Ks.
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Contractor	Red Tiger Drilling Co.	Rig #	8
Type Job	Set Surface Pipe		
Hole Size	12 1/4"	T.D.	268'
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	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. *X Kenneth Lyle*

EQUIPMENT

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

CEMENT

Amount Ordered	<i>160 sks 6 3/4" per 26 gal, 36 C.C.</i>
Consisting of	
Common	<i>96 sks @ 5.25/sk. \$504.00</i>
Poz. Mix.	<i>64 sks @ 2.25/sk. 144.00</i>
Gel.	<i>3 sks</i>
Chloride	<i>5 sks @ 21.00/sk. 105.00</i>
Quickset	

DEPTH of Job

Reference:	#1	<i>Pumptruck-surface</i>	<i>380.00</i>
	#13	<i>mileage @ 2.00/mi</i>	<i>50.00</i>
		<i>1-8 7/8" wooden ply</i>	<i>42.00</i>
		Sub Total	<i>472.00</i>
		Tax	
		Total	

Handling	<i>2.00/sk (160 sks)</i>	<i>160.00</i>
Mileage	<i>20.44/sk/mi (25 mi)</i>	<i>160.00</i>
Sub Total		<i>320.00</i>
Total		<i>1073.00</i>

Remarks: *Cement Circulated.*

Floating Equipment *Thanks*

RELEASED

MAY 20 1992

RECEIVED
STATE CORPORATION COMMISSION

FROM CONFIDENTIAL

APR 11 1991

CONSERVATION DIVISION
Wichita, Kansas