

15 163 23 162 0000

KCC

ORIGINAL SIDE ONE

MAY 30

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

API NO. 15- 15-163-23,162 ~~50-00~~

CONFIDENTIAL

County Rooks

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

4950 Ft. North from Southeast Corner of Section

2970 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

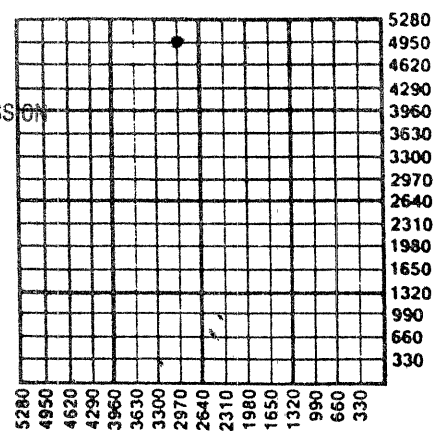
Lease Name Burton Well # 4

Field Name Grover North

Producing Formation Lansing Kansas City, Toronto

Elevation: Ground 1969 KB 1974

Total Depth 3455 PBSD 3421



5-31-91

Amount of Surface Pipe Set and Cemented at 264 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 1491 330 sx 60-40 poz, 8% gel feet depth to Surface w/ 80 sx com, 3% cmt.

Operator: License # 5140

Name: Frontier Oil Company

Address 125 N. Market, Ste. 1720

City/State/Zip Wichita, Kansas 67202

Purchaser: Clear Creek, Inc.

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 OWM: old well info as follows:
Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable

4-9-91 4-16-91 5-9-91
Spud Date Date Reached TD Completion Date

RECEIVED
STATE CORPORATION COMMISSION
5/31/91
MAY 31 1991
CONSERVATION DIVISION
Wichita, Kansas

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 May 30, 1991

Subscribed and sworn to before me this 30th day of May, 19 91.

Notary Public D'Ann Brennan

Date Commission Expires 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)

CONFIDENTIAL

SIDE TWO

Operator Name Frontier Oil Company Lease Name Burton Well # 4

Sec. 15 Twp. 7S 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. (Copy Attached)

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 #1 (3300-3370) 60-30-30-30 Rec. 5' SOCGM,
 60' OCGM, 60' OCGM IF 111-112 FF 144-155
 ISIP & FSIP 643

Name	Formation Description	
	Top	Bottom
Anhydrite	1478	+ 496
Topeka	2922	- 948
Heebner	3122	-1148
Toronto	3147	-1173
Lansing-Kansas City	3164	-1190
Base Kansas City	3385	-1411
Marmaton	3425	-1451
RTD	3455	-1481

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# (new)	264	60-40 Poz	160	2% gel, 3% CC
Production	7-7/8"	4 1/2"	10 1/2# (new)	3448	ASC	160	N/A

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
4	3360-3366	500 gal 15% NE Acid	3360-66
4	3338-3344	1000 gal 15% NE Acid	3338-44
2	3318-24, 3262-68, 3244-48, 3226-32, 3206-3210, 3168-72, 3150-56		
	Acidized @ 3262-68, 3244-48, 3226-32	3750 gal 15% NE Acid	(As Shown)
3	1490-1491	Cmt w/330 sx 60-40 poz, 8% gel, 80 sx	3% CC

TUBING RECORD Size 2-3/8" Set At 3415 Packer At N/A Liner Run N/A Yes No

Date of First Production 5-9-91 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
10 BOPD		N/A	15 BWPD	N/A	35

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

METHOD OF COMPLETION

Open Hole Perforation Dually Completed Conmingled

Other (Specify) _____ 3150-3366

Phone 213-483-2627, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

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

15163 231620000
 KCC

ORIGINAL

MAY 30

ALLIED CEMENTING CO., INC. No. 9486

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

New

Date	4-9-91	Sec.	15	Twp.	7	Range	19	Called Out	10:00 AM	On Location	1:00 PM	Job Start	3:30 PM	Finish	4:00 PM
Lease	Burton	Well No.	# 4	Location	Webster	County	New	State	Kansas						
Contractor	Red Tiger 2019 Rig 8														
Type Job	Surface														
Hole Size	12 1/4"	T.D.	269'												
Csg.	8 3/8"	Depth	264'												
Tbg. Size		Depth													
Drill Pipe		Depth													
Tool		Depth													
Cement Left in Csg.	15'	Shoe Joint													
Press Max.		Minimum													
Meas Line		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 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: Morris Leach Jr.
 CEMENT

Amount Ordered: 160 SKS 60/40 P 23200 276e

Consisting of				
Common	96	SKS @	5.25	504.00
Poz. Mix.	64	SKS @	2.25	144.00
Gel.	3	SKS @	6.75	N/C
Chloride	4	SKS @	21.00	84.00
Quickset				

EQUIPMENT

#61	No.	Cementor	M Krauman
Pumptrk		Helper	Werner M.
#212	No.	Cementor	
Pumptrk		Helper	
Bulktrk		Driver	Joe S
Bulktrk		Driver	

Handling	1.00 per SK	160.00
Mileage	44 per SK / mile	147.20
	23 miles	
Sub Total		
Total		1039.20

DEPTH of Job		
Reference:	#	
	PUMP TOL	380.00
	2-8 3/8" Rubber plug	73.00
	2.00 per mile	46.00
	Sub Total	
	Tax	
	Total	499.00

Remarks:
 Cement Circulated

Floating Equipment
 RECEIVED
 STATE CORPORATION COMMISSION
 MAY 31 1991
 CONSERVATION DIVISION
 Wichita, Kansas

483-2627, Russell, Kansas

16-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

KCC

New

MAY 30

No. 2536

CONFIDENTIALS

Date	4-16-91	Sec.	15	Twp.	7 ^s	Range	19 ^w	Called Out	2:00 P.M.	On Location	4:00 P.M.	Job Start	6:00 P.M.	Finish	7:00 P.M.	
Lease	Bunton	Well No.	4	Location				Webster Dam 2N 1/2 W S. Side	County	Rooks	State	Ks.				
Contractor	Red Tiger Drilling Co.				Rig #8				Owner	Same						
Type Job	Production String															
Hole Size	7 7/8"		T.D.		3455'											
Csg.	4 1/2"		Depth		3448'											
Csg. Size	8 7/8"		Depth		264'											
Drill Pipe			Depth													
Tool			Depth													
Cement Left in Csg.	17'		Shoe Joint		16.85'											
Press Max.	1100 #		Minimum													
Meas Line	X		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 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]

CEMENT

Amount Ordered 175 sks ASC with 500 gal.

Consisting of WFR II mud plus #
Common ASC - 175 sks @ 7.25/sk. #1268.75

Poz. Mix	
Gel.	
Chloride	
Quickset	
WFR II - 500 gal @ 50¢/gal.	250.00

Sales Tax

Handling @ 1.00/sk (175 sks) 175.00

Mileage @ 20¢/sk./mi. (25 mi.) 175.00

Sub Total #1868.75

Total

Floating Equipment Thanks

EQUIPMENT

No.	Cementer	Gary H. Wayne Mc.
Pumptrk 191	Helper	
No.	Cementer	Joe S.
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.

Floater Held.

RECEIVED
STATE COMPTROLLER COMMISSION

MAY 31 1991

CONSERVATION DIVISION
Wichita, Kansas

Phone 913-483-2627, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843
 No 2105

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

ORIGINAL *Eukcc*

CONFIDENTIAL

Date	5-3-91	Sec.	15	Twp.	7	Range	19	Called Out	6:00 AM	On Location	9:30 AM	Job Start	10:00 AM	Finish	2:00 PM
Lease	BURTON	Well No.	# 4	Location	Websterdaman 2 1/2 W 4 S			County	ROCKS		State	KANSAS			
Contractor	Leon Drilg Service														
Type Job	Circulate Cement														
Hole Size	T.D.														
Csg.	4 1/2"	Depth													
Tbg. Size	2"	Depth 1448'													
Bridges	plug 4 1/2"	Depth 3090'													
Tool	4 1/2"	Depth 1448'													
Cement Left in Csg.	Shoe Joint														
Press Max.	Minimum														
Meas Line	Displace														
Perf.	@ 1490' To 1491'														

EQUIPMENT

#153 No.	Cementer	M Kaufman
Pumptrk	Helper	Gerald K
No.	Cementer	
Pumptrk	Helper	
#146	Driver	Ed K.
Bulktrk		
Bulktrk #213	Driver	JIM D.

DEPTH of Job		
Reference:	#	PUMP TRK
		2.00 per mile
		475 ⁰⁰
		46 ⁰⁰
		Sub Total
		Tax
		Total 521 ⁰⁰

Remarks: Tested casing below perfs
 To @ 1500 # Held OK came up set
 packer at 1448' Mixed SKS CEMENT
 CEMENT Circulated to surface
 Squeezed perfs

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 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
 330 SKS 60% 40 per, CEMENT 8% Cel
 Amount Ordered 80 SKS COM 3% CC

Consisting of			
Common	278	SKS @ 5.25	1,459 ⁵⁰
Poz. Mix	132	SKS @ 2.25	297 ⁰⁰
Gel.	17	SKS @ 6.75	114 ⁷⁵
Chloride	2	SKS @ 21.00	42 ⁰⁰
Quickset			

Handling	6.00 per SK	410 ⁰⁰
Mileage	4¢ per SK/mile	377 ²⁰
	23 mile	
	Sub Total	
	Total	2,700 ⁴⁵

Floating Equipment

[Signature]

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 STATE CORPORATION COMMISSION
 MAY 31 1991
 CONSERVATION DIVISION
 Wichita, Kansas