

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

Wichita, Kansas 67202

City/State/Zip _____

Purchaser: N/A

Operator Contact Person: Jean Angle

Phone (316) 263-1201

Contractor: Name: Red Tiger Drilling Co. STATE CO

License: 5302

Wellsite Geologist: Dick 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 OMMO: old well info as follows:

Operator: John O. Farmer, Inc.

Well Name: #1 Craig

Comp. Date 9-11-79 Old Total Depth 3500

Drilling Method:

Mud Rotary Air Rotary Cable

4-4-91 4-5-91 5-17-91

Spud Date Date Reached TD Completion Date

API NO. 15- 051-21,748-~~8001~~

County Ellis

SW NE NE Sec. 9 Twp. 11 Rge. 16W East West

4290 Ft. North from Southeast Corner of Section

990 Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

Lease Name Craig Well # 1

Field Name Krueger SW Ext.

Producing Formation N/A

Elevation: Ground 1888 KB 1893

Total Depth 3400 PBDT N/A

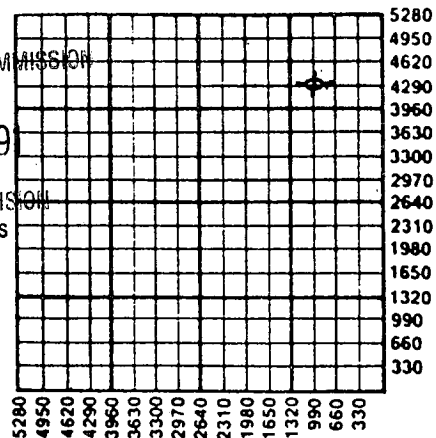
RECEIVED
CONSERVATION COMMISSION

MAY 24 1991

05-24-91

CONSERVATION DIVISION

Wichita, Kansas



Amount of Surface Pipe Set and Cemented at 208' 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 May 23, 1991

Subscribed and sworn to before me this 23rd day of May, 19 91.

Notary Public D'Ann 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)

SIDE TWO

Operator Name Frontier Oil Company Lease Name Craig Well # 1
 Sec. 9 Twp. 11 Rge. 16W East County Ellis
 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.

Log 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.)

Name	Formation Description	
	Top	Bottom
Anhydrite	1065	+ 828
B/Anhydrite	1104	+ 789
Topeka	2817	- 924
Heebner	3046	-1153
Toronto	3078	-1185
Lansing	3099	-1206
Base Kansas City	3346	-1453
Conglomerate	3410	-1517
Simpson	3478	-1585
Old RTD	3500	-1607

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#	208	N/A	165	N/A
Production	7-7/8"	4 1/2"	10 1/2#	3415	ASC	160	500 gal mud flush

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record
 (Amount and Kind of Material Used) Depth

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	3352-3360	500 Gal 10% INS Acid	3352-3360
2	3277-3284	500 Gal 15% NE Acid	3277-3284
2	3192-3202	500 Gal 15% NE Acid	3192-3202
4	3128-3136	1000 Gal 15% NE Acid	3128-3136
		500 Gal 15% NE Acid	3128-3136

TUBING RECORD

Size N/A Set At N/A Packer At N/A

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. N/A Gas Mcf N/A Water Bbls. N/A Gas-Oil Ratio N/A Gravity

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) _____

Production Interval

Phone 913-483-2627, Russell, Kansas

Phone 316-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

15-051-21748-0006 No. 2185

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

ORIGINAL

Date	5-17-91	Sec.		fwp.		Range		Called Out		On Location	1:00PM	Job Start		Finish	3:45PM
Lease	Craig	Well No.	1	OWNER		Location	Gorham 1/4 NW 3/4 SW 5/4	County	Fill	State	KS				
Contractor	Kelso		Owner <i>BULENKE IN KE SE</i>												
Type Job	Plug to Abandon		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.														
Csg.	8" F	Depth	208												
Tbg. Size	4 1/2	Depth	3416												
Drill Pipe	Depth														
Tool	Depth														
Cement Left in Csg.	Shoe Joint														
Press Max.	Minimum														
Meas Line	Displace														
Perf.															

Charge To *FRONTIER OIL COMPANY*

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

Purchase Order No. *1000*

5 HULLS CEMENT

Amount Ordered *325 68 2/10 8% gel*

Consisting of	
Common	
Poz. Mix	
Gel.	
Chloride	
Quickset	

EQUIPMENT

Pumptrk	No. 153	Cementer	<i>Dave</i>
		Helper	<i>George</i>
Pumptrk	No.	Cementer	
		Helper	
Bulktrk	160	Driver	<i>Dave</i>
Bulktrk		Driver	<i>Mac</i>

RECEIVED STATE CORPORATION COMMISSION

DEPTH of Job		
Reference:	<i>DIWD tik clay</i>	MAY 24 1991
	<i>2 1/2" pipe</i>	CONSERVATION DIVISION Wichita, Kansas
	Sub Total	
	Tax	
	Total	

Sales Tax	
MISSION Handling	
Mileage	
Sub Total	
Total	

Remarks: *Mixed 5 HULLS w/c cement down 4 1/2" @ 1100'*
pulled to 300' mixed 75 sk + cir to surface
filled up 8 1/2" ~~sk~~

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

No. 2531

ORIGINAL

Date	4-6-91	Sec.	9	Twp.	11 ^s	Range	16 ^w	Called Out	3:30 A.M.	On Location	5:35 A.M.	Job Start	8:40 A.M.	Finish	10:00 A.M.
Lease	Craig	Well No.	1	Location				Plainville 9S 10E 1N 1/2E	County	Ellis	State	Ks.			
Contractor	Red Tiger Dr. Co.				Rig #4				Owner	Same					
Type Job	Production string														
Hole Size	7 7/8"		T.D.		3400'										
Csg.	4 1/2"		Depth		3295'										
Csg. Size	8 7/8"		Depth		208'										
Drill Pipe			Depth												
Tool			Depth												
Cement Left in Csg.	42'		Shoe Joint		42.22'										
Press Max.	1000 #		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. X
W.C. Ogle
CEMENT

Amount Ordered	160 sks ASC with 500 gal	
Consisting of	WFR II mud flush #	
Common	ASC - 160 sks @ 7.25/sk.	1160.00
Poz. Mix		
Gel.		
Chloride		
Quickset		
	WFR II - 500 gal @ 50¢/gal.	250.00
	Sales Tax	
Handling	el. 00/sk. (160 sks)	160.00
Mileage	@ 44¢/sk./mi. (21 mi.)	134.40
	Sub Total	# 1704.40
	Total	

EQUIPMENT

Pumptrk	No.	Cementor	Gary H. Wayne Mc.
	61	Helper	
Pumptrk	No.	Cementor	
		Helper	
Bulktrk	# 212	Driver	Glen C. Joe S.
		Driver	

DEPTH of Job

Reference:	#1 Pumptruck-long string	\$ 880.00
	#13 mileage @ 2.00/mi.	42.00
	4 1/2" rubber plug	33.00
	Sub Total	\$ 955.00
	Tax	
	Total	

Remarks: Plugged rat hole w/15 sks. STATE

Float Held.

Thanks

Floating Equipment 4 1/2"
1 cementing basket - # 113.00
 CORPORATION COMMISSION
 MAY 24 1991
 CONSERVATION DIVISION
 Wichita, Kansas