

ORIGINAL SIDE ONE

CONFIDENTIAL RELEASED

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

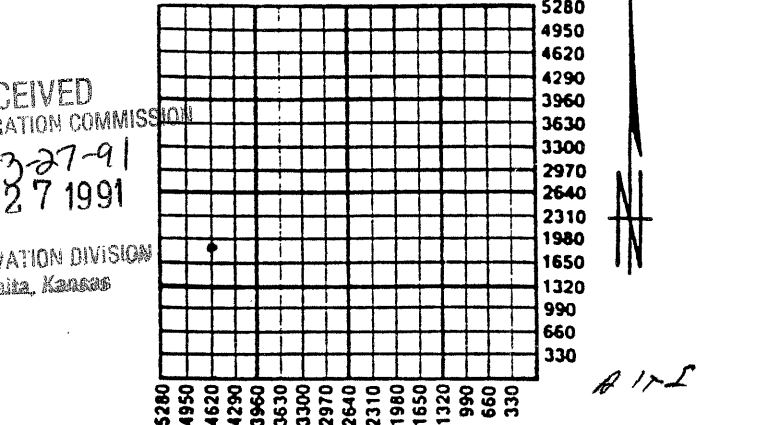
API NO. 15- 153-20,768 ⁰⁰⁻⁸⁰ APR 9 1992
County Rawlins ⁴⁻⁹⁻⁹²
150' S of Rawlins FROM CONFIDENTIAL
NW SW Sec. 28 Twp. 1 Rge. 35 X East West

1830 Ft. North from Southeast Corner of Section
4620 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Lease Name Sabatka Well # 1
Field Name Kletchka

Producing Formation Lansing-Kansas City
Elevation: Ground 3242 KB 3247

Total Depth 4395 PBTD 4333



Amount of Surface Pipe Set and Cemented at 305 Feet

Multiple Stage Cementing Collar Used? Yes X 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: ENRON OIL TRADING & TRANSPORTATION

Operator Contact Person: Jean Angle

Phone (316) 263-1201

Contractor: Name: RED TIGER DRILLING CO.

License: 5302

Wellsite Geologist: Steve 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 OWO: old well info as follows:
Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable

1-16-91 1-24-91 2-14-91
Spud Date Date Reached TD Completion Date

RECEIVED
STATE CORPORATION COMMISSION
3-27-91
MAR 27 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 3-22-91

Subscribed and sworn to before me this 22nd day of March, 19 91.

Notary Public Dianne Brennan
NOTARY PUBLIC
STATE OF KANSAS
Date Commission Expires 2-10-94
My Appl. 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)

Operator Name FRONTIER OIL COMPANY Lease Name Sabatka Well # 1
 Sec. 28 Twp. 1S Rge. 35W East West Rawlins
CONFIDENTIAL

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 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 (4194-4255) 60-45-60-45. Rec. 420' CO, 360' WCO, 600' W w/scum O. IF 55-411, FF 466-632, ISIP & FSIP 1085
 DST #2 (4264-4310) 30-30-15-30. Rec. 65' WM. IF 33-33, FF 44-44, ISIP 1074, FSIP 1063

Name	Formation Description	
	Top	Bottom
Anhydrite	3117	(+130)
Neva	3626	(-379)
Wabaunsee	3741	(-494)
Oread	4058	(-811)
Heebner	4126	(-879)
Douglas	4135	(-888)
Lansing-KS City	4180	(-933)
RTD	4395	(-1148)

CASING RECORD <input checked="" 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 1/4"	8 5/8" (new)	20 #	305	60-40POZ	170	2%gel, 3%CC
Production	7-7/8"	4 1/2" (used)	10-1/2 #	4365	ASC	150	

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	4238-4242	N/A	

TUBING RECORD
 Size 2-3/8" Set At 4324 Packer At N/A Liner Run N/A Yes No

Date of First Production 2-14-91 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours
 Oil 15 Bbls. BOPD Gas N/A Mcf Water 85 Bbls. BWPD Gas-Oil Ratio N/A Gravity 32

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) _____ 4238-4242

CONFIDENTIAL

SIDE TWO (Page Two)

ORIGINAL

ACO-1 WELL HISTORY

OPERATOR FRONTIER OIL COMPANY LEASE NAME Sabatka # 1 SEC. 28 TWP. 1S RGE. 35W

FILL IN WELL LOG AS REQUIRED:

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
<p>DST #3 (4298-4355) 30-30-30-30 Rec. 80' WM w/few specks of O. IF 33-66, FF 66-77, ISIP 1151, FSIP 1085.</p> <p>DST #4 (4341-4395) 45-45-45-45. Rec. 420' MW. IF 33-144, FF 155-200 ISIP 1052, FSIP 1019.</p>			<p>RELEASED</p> <p>APR 0 9 1992.</p> <p>FROM CONFIDENTIAL</p>	

RECEIVED
STATE CORPORATION COMMISSION

MAR 27 1991

CONSERVATION DIVISION
Wichita, Kansas

ALLIED CEMENTING CO., INC. No. 9653

Home Office P. O. Box 31

Russell, Kansas 67665

Date	1-16-91	Sec	28	Twp.	1 ^s	Range	35 ^w	Called Out	2:15 P.M.	On Location	7:00 P.M.	Job Start	10:45 P.M.	Finish	11:30 P.M.
Lease	Sublet	Well No.	1	Location	Atwood SN 6W 2N SW 1/4 N			County	Rawlins	State	Ks.				
Contractor	Red Tiger Drilling Co.		Rig #		9		Owner	Same		To: Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.					
Type Job	Set Surface Pipe														
Hole Size	12 1/4"		T.D.	315'											
Csg.	8 7/8"		Depth	309'											
Tbg. Size															
Drill Pipe															
Tool															
Cement Left in Csg.	15		Shoe Joint												
Press Max.															
Meas Line	X		Displace	X											
Perf.															

EQUIPMENT

Pumptrk	No.	Cement	Gary H.
	191	Helper	Wayne Mc.
Pumptrk	No.	Cement	
		Helper	
Bulktrk	No.	Driver	John E.
Bulktrk	No.	Driver	

Amount Ordered	170 sks 6 3/4" 2 1/2 gal 3 1/2 c.c.	
Consisting of		
Common	102 sks @ 6.12/sk.	622.24
Poz. Mix	68 sks @ 2.40/sk.	163.20
Gel.	3 sks	N/C
Chloride	5 sks @ 21.00/sk.	105.00
Quickset		
Handling	0.100/sk (170 sks)	17.00
Mileage	0.44/sk/mi (48 mi)	32.64
Sub Total	(From Oberlin)	1386.80
Total	1386.80	

DEPTH of Job		
Reference:	41 Pumptruck-surface	380.00
	413 mileage @ 2.00/mi.	96.00
	1-8 7/8" wooden plug	42.00
	Sub Total	518.00
	Tax	
	Total	

Remarks: Cement Circulated.

Floating Equipment: Thanks

RECEIVED
STATE CORPORATION COMMISSION

MAR 27 1991

CONCRETE DIVISION
Topeka, Kansas

ORIGINAL

New APR 09 1992

ALLIED CEMENTING CO., INC. No. 9664

Home Office P. O. Box 31

Russell, Kansas 67665

1-24-91

1-23-91

Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
1-23-91	28	1	35	3:30 P.M.	9:00 P.M.	3:30 A.M. 4:45 A.M.

Well No. 1 Location Atwood 5N6W2N5W1/4N County Rawlins State Ks.

Contractor Red Tiger Drilling Co. Rig #9

Job Production String

Size <u>7 1/8"</u>	T.D. <u>4395'</u>
Size <u>4 1/2"</u>	Depth <u>4365'</u>
Size <u>8 3/8"</u>	Depth <u>309'</u>
Well Pipe	Depth
Well	Depth
Weight Left in Csg. <u>30'</u>	Shoe Joint <u>30.17</u>
Weight Max. <u>1000#</u>	Minimum
Gas Line <u>X</u>	Displace

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.

CONFIDENTIAL

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 160 sks ASC

Consisting of

Gemmen ASC - 160 sks @ 8.10/sk.	\$1296.00
Poz. Mix	
Gel.	
Chloride	
Quickset	

Handling @ 1.00/sk. (160 sks)	160.00
Mileage @ 0.44/sk./mi. (48 mi.)	307.20
(From Oberlin)	
Sub Total	\$1763.20
Total	

EQUIPMENT

No.	Cementer	
mptrk #191	Helper	<u>Gary H. Wayne etc.</u>
	Cementer	
mptrk #212	Driver	<u>Blum C.</u>
	Driver	

DEPTH of Job

Reference:	Description	Amount
#1	Pump truck-log string	\$880.00
#13	Mileage @ 2.00/mi.	96.00
	1-4 1/2" rubber plug	33.00
	Sub Total	\$1009.00
	Tax	
	Total	

Floating Equipment Thanks

Remarks: Plugged rat hole w/15 sks.

Fleet Held.

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CONSERVATION DIVISION
Wichita, Kansas