

ORIGINAL

CONFIDENTIAL
SIDE ONE

RELEASED

AUG 21 1991
82-91

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

API NO. 15- 153-20,752-00-00 82-91
FROM CONFIDENTIAL

County Rawlins
C NW NW Sec. 33 Twp. 1S Rge. 35 East West

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

Lease Name Reeh Well # 1

Field Name Wildcat

Producing Formation Lansing Kansas City

Elevation: Ground 3234 KB 3239

Total Depth 4445 PBDT N/A

Operator: License # 5140

Name: FRONTIER OIL COMPANY

Address 125 N. Market, Ste. 1720

City/State/Zip Wichita, KS 67202

Purchaser: Koch Oil Company

Operator Contact Person: Jean Angle

Phone (316) 263-1201

Contractor: Name: RED TIGER DRILLING COMPANY

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: _____

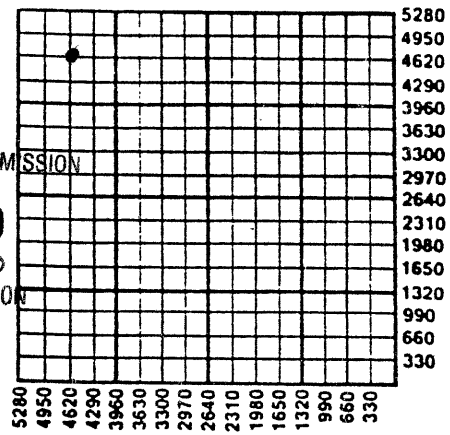
Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable

5-2-90 5-20-90 6-18-90
Spud Date Date Reached TD Completion Date

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7-5-90
CONSERVATION DIVISION
Wichita, Kansas



Amount of Surface Pipe Set and Cemented at 308 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 George A. Angle
Title Agent Date 7-2-90

Subscribed and sworn to before me this 2nd day of July, 19 90.

Notary Public D'Ann Drennan

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

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Timelog Received

 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

Operator Name FRONTIER OIL COMPANY Lease Name Reeh Well # 1
 Sec. 33 Twp. 1S Rge. 35 East West **CONFIDENTIAL** Rawlins

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

RELEASED

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.)

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Name	Formation Description	
	Top	Bottom
Anhydrite	3095	+144
B/Anhydrite	3135	+104
Neva	3607	-368
Wabaunsee	3722	-483
Oread	4041	-802
Heebner	4107	-868
Douglas Sand	4122	-883
Lansing-KS City	4161	-922
Base KS City	4426	-1187
RTD	4445	-1206

DST #1 (4176-4235) 60-45-60-45. Rec. 180' GIP
 155' CGO, 90' OCWM. IF 40-83, FF 102-123,
 ISIP 1104, FSIP 1085.
 DST #2 (4244-4289) 60-45-60-45. Rec. 140' GIP
 72' CO, 124' OCWM. IF 42-63, FF 94-110,
 ISIP 1225, FSIP 1216.

cont'd.

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# New	308'	60-40POZ	190	2%gel, 3%cc
Production	7 7/8"	4 1/2"	10 1/2# Used	4417'	ASC	200	none

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	4214-4226	500 gal Mud Acid	4214-4226
4	4268-4274	500 gal Mud Acid	4268-4274
4	4274-4280	3000 gal Gel Acid	4274-4280
2	4352-4370	500 gal Mud Acid	4352-4370
		3000 gal Gel Acid	4352-4370
4	4314-4322	None	

TUBING RECORD Size 2-3/8" Set At 4365 Packer At N/A Liner Run Yes No

Date of First Production _____ Producing Method Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	160 BOPD	N/A	100 BWPD	N/A	31

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**

4214-4226
4268-4274
4274-4280
4314-4322
4352-4370

15-153-20752-00-00

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ACO-1 WELL HISTORY

SIDE TWO (Page Two)

OPERATOR FRONTIER OIL COMPANY LEASE NAME Reeh #1 SEC. 33 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
DST #3 (4282-4335) 15-30-15-30. Rec. 10' M. IF 40-40, FF 48-48, ISIP 1142, FSIP 1012.			RELEASED	
DST #4 (4324-4375) 60-45-60-45. Rec. 120' OCM. IF 52-58, FF 74-84, ISTP 940, FSIP 203.			AUG 21 1991 8-21-91	
CONFIDENTIAL			FROM CONFIDENTIAL	

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75-90
CONSERVATION DIVISION
Wichita, Kansas

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

CONFIDENTIAL *New* ORIGINAL

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

ALLIED CEMENTING CO., INC. No. 8744

Home Office P. O. Box 31

Russell, Kansas 67665

Date	5-2-90	Sec.	33	Twp.	1 ^s	Range	35 ^w	Called Out	9:00 A.M.	On Location	2:15 P.M.	Job Start	2:40 P.M.	Finish	3:00 P.M.
Lease	Reek	Well No.	1	Location	Alwood SNGW2NSWINYE			County	Rawlins	State	Ks.				
Contractor	Red Tiger Drilling Co.			Rig #	7										
Type Job	Set Surface Pipe														
Hole Size	12 1/4"		T.D.	310'											
Csg.	8 7/8"		Depth	308'											
Tbg. Size			Depth	RELEASED											
Drill Pipe			Depth	AUG 2 1 1991											
Tool			Depth	FROM CONFIDENTIAL											
Cement Left in Csg.	15'		Shoe Joint												
Press Max.			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. X Wm J. Cuyres
CEMENT

EQUIPMENT

No.	Cementor	
Pumptrk 191	Helper	Gary H. Markyn K.
No.	Cementor	
Pumptrk	Helper	
	Driver	Glen C.
Bulktrk #212	Driver	

Amount Ordered	190 sks 60/40 @ 2.20/sk, 320 c.c.	
Consisting of		
Common	114 sks @ 5.00/sk.	# 570.00
Poz. Mix	76 sks @ 2.40/sk.	182.40
Gel.	3 sks	N/C.
Chloride	5 sks @ 20.00/sk.	100.00
Quickset		
Sales Tax		
Handling	0.90 d/sk. (190 sks)	171.00
Mileage	0.03 \$/sk./mi. (47 mi.)	267.90
Sub Total	1291.30	
Total		

DEPTH of Job

Reference:	#1 Pumptruck-surface	\$ 360.00
	#8 1-8 7/8" surface plug	40.00
	#14 mileage @ 1.00/mi. (from Oberlin)	47.00
	Total	\$ 447.00
	Tax	
	Total	

Remarks: Cement Circulated.

Floating Equipment Thanks

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 CONSERVATION DIVISION
 Wichita, Kansas

Phone 316-33-2627, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

CONFIDENTIAL
New

ORIGINAL

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

ALLIED CEMENTING CO., INC. No 10235

Home Office P. O. Box 31

Russell, Kansas 67665

5-21-90

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
5-20-90	33	1 ^S	35 ^W	4:15 P.M.	9:00 P.M.	1:15 A.M.	3:00 A.M.
Lease	Well No.	Location		County	State		
Reech	1	Atwood SNGW2NSW1/4E		Rawlins	Ks.		

Contractor	Red Tiger Drilling Co.	Rig #7
Type Job	Production String	
Hole Size	7 7/8"	T.D. 4445'
Csg.	4 1/2"	Depth 4417'
Csg. Tbg. Size	8 7/8"	Depth 308'
Drill Pipe		Depth
Tool		Depth
Cement Left in Csg.	42'	Shoe Joint 42.15'
Press Max.	1000 #	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.	
AUG 21 1991	
FROM 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.	
X	<i>[Signature]</i>
CEMENT	
Amount Ordered	210 sks ASC
Consisting of	
Common	ASC - 210 sks @ 7.00/sk. #1470.00
Poz. Mix	
Gel.	
Chloride	
Quickset	
Sales Tax	
Handling	0.90 \$/sk. (210 sks) 189.00
Mileage	0.03 \$/sk./mi. (47 mi.) 296.10 (From Oberlin)
Sub Total #1955.10	
Total	
Floating Equipment	Thanks

EQUIPMENT

No.	Cementer	
Pumptrk 191	Helper	Gary H. Wayne MC.
No.	Cementer	
Pumptrk	Helper	
Bulktrk #212	Driver	Glen C.
Bulktrk	Driver	

DEPTH of Job

Reference	Description	Amount
#1	Pumptruck-long string	838.00
#8	1- 4 1/2" rubber plug	31.00
#14	mileage @ 1.00/mi.	47.00
Sub Total		916.00
Tax		
Total		

Remarks:

Float Held.

Plugged rat hole w/15 sks

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 Wichita, Kansas