

ORIGINAL

SIDE ONE

RELEASED
CONFIDENTIAL
MAY 28 1991
FROM CONFIDENTIAL

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

API NO. 15- 153-20,748 00-00 9-28-91
County Rawlins
C SE SE Sec. 29 Twp. 1S Rge. 35 X East West

Operator: License # 5140

660 Ft. North from Southeast Corner of Section

Name: FRONTIER OIL COMPANY

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

Address 125 N. Market, Ste. 1720

Wichita, KS 67202

Lease Name Kletchka Well # 1

City/State/Zip _____

Field Name Wildcat

Purchaser: Koch Oil Company

Producing Formation Lansing-Kansas City

Operator Contact Person: Jean Angle

Elevation: Ground 3238 KB 3243

Phone (316) 263-1201

Total Depth 4490 PBTD N/A

Contractor: Name: RED TIGER DRILLING 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 OWWO: old well info as follows:

Operator: _____

Well Name: _____

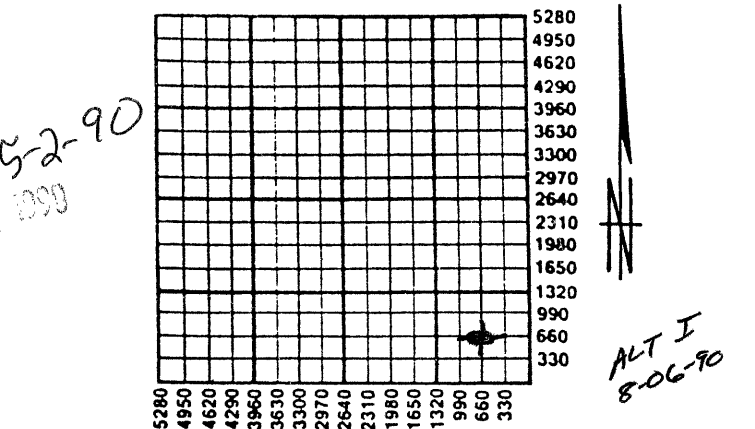
Comp. Date _____ Old Total Depth _____

Drilling Method:

- Mud Rotary Air Rotary Cable

1-8-90 1-18-90 4-10-90

Spud Date Date Reached TD Completion Date



Amount of Surface Pipe Set and Cemented at 385 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.

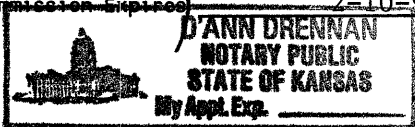
Signature Jean Angle

Title Agent Date 4-30-90

Subscribed and sworn to before me this 30th day of April, 19 90.

Notary Public D'Ann Drennan

Date Commission Expires 2-10-94



ORIGINAL

K.C.C. OFFICE USE ONLY

Letter of Confidentiality Attached

Wireline Log Received

Drillers Timelog Received

Distribution

KCC SWD/Rep NGPA

KGS Plug Other (Specify)

NPDA 5901

SIDE TWO

Operator Name FRONTIER OIL COMPANY Lease Name Kletchka Well # 1
 Sec. 29 Twp. 1S Rge. 35 East West
 County 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.

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.)

Formation Description **MAY 2 8 1991**

Log Sample

FROM CONFIDENTIAL

Name	Top	Bottom
Anhydrite	3112	+131
Neva	3618	-375
Wabaunsee	3734	-491
Oread	4053	-810
Heebner	4123	-880
Douglas Sand	4133	-890
Lansing	4176	-933
Base of Kansas City	4446	-1203
RTD	4490	-1247

DST #1 (4188-4250) 60-45-60-45. Rec. 280' GIP, 935' MCO, 244' OCW, 793' W w/scum of oil. IF 133-163, FF 691-880, ISIP 1113, FSIP 1113.
 DST #2 (4264-4300) 60-45-30-45. Rec. 125' M w/few spks oil. IF 33-55, FF 78-78, ISIP & FSIP 1146.

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	385	60-40POZ	220	3%cc, 2%gel
Production	7 7/8"	4 1/2"	10 1/2# Used	4465	ASC	175	

PERFORATION RECORD

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	4235-7'	N/A	

TUBING RECORD

Size 2-3/8" Set At 4390 Packer At N/A Liner Run Yes No

Date of First Production 4-10-90 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
40 BOPD		N/A	60 BWPD	N/A	25

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 4235-7'

CONFIDENTIAL

SIDE TWO (Page Two)

ACO-1 WELL HISTORY

OPERATOR FRONTIER OIL COMPANY LEASE NAME #1 Kletchka * SEC. 29 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 (4300-4365): 30-30-30-30. Rec. 3' Mud, IF 22-22, FF 22-22, ISIP 357, FSIP 359.</p> <p>DST #4 (4344-4400) 60-45-60-45. Rec. 685' MW w/few spks of oil. IF 78-189, FF 245-301, ISIP 1146, FSIP 1102.</p>		RELEASED MAY 28 1991 5-28-91 FROM CONFIDENTIAL	ORIGINAL	

MAY 02 1990

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

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

MAY 28 1991

ALLIED CEMENTING CO., INC. N^o 8512

FROM CONFIDENTIAL Home Office P. O. Box 31

Russell, Kansas 67665

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
1-24-90	29	1 ^s	35 ^w	1:15 A.M.	5:15 A.M.	11:00 A.M.	Noon
Lease	Well No.	Location		County	State		
Kletchka	1	Atwood 5N4W2N SW 1/8N		Rawlins	Ks.		

Contractor	Red Tiger Dalg. Co.	Rig # 2
Type Job	Production String	
Hole Size	7 7/8"	T.D. 4490'
Csg.	4 1/2"	Depth 4465'
Csg. Size	8 7/8"	Depth 335'
Drill Pipe	Depth	
Tool	Depth	
Cement Left in Csg.	42'	Shoe Joint 41.97'
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
 Common ASC - 175 sks @ 7.00/sk. \$1225.00
 Poz. Mix
 Gel.
 Chloride
 Quickset

Handling	290¢/sk. (175 sks)	157.50
Mileage	203¢/sk./mi. (48 mi.)	252.00
Sub Total		1634.50
Total		

EQUIPMENT

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

DEPTH of Job

Reference:	#1 Pumptruck-Long string	838.00
	#8 1-4 1/2" rubber plug	31.00
	#14 mileage @ 1.00/mi.	48.00
	Sub Total	917.00
	Tax	
	Total	

Remarks:

Plugged rat hole w/15 sks.
 Float Held.

Floating Equipment Thanks

MAY 22 1991

Phone 913-483-2627, 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. N^o 8677
 Home Office P. O. Box 31 Russell, Kansas 67665

New

Date	1-8-90	Sec.	29	Twp.	1	Range	35	Called Out		On Location		Job Start	4:30 PM	Finish	5:00 PM
Lease	Ketchka	Well No.	1	Location	Amond 5N6W2N5W			County	Rawlins	State	Ks				
Contractor	Red Tiger #2														
Type Job	Surface														
Hole Size	12 1/4	T.D.	390												
Csg.	8 1/8	Depth	388												
Tbg. Size		Depth	RELEASED												
Drill Pipe		Depth													
Tool		Depth	MAY 2 - 8 1991												
Cement Left in Csg.		Seal Joint	FROM CONFIDENTIAL												
Press Max.		Minimum													
Meas Line		Displace													
Perf.															

Owner *18N18W*
 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. *Pat Waggoner*
CEMENT

Amount Ordered *220.00 3% CC 2% gel*

Consisting of			
Common	132	6.00	792.00
Poz. Mix	88	2.40	211.20
Gel.	4	6.75	27.00
Chloride	7	20.00	140.00
Quickset			

Handling	90	198.00
Mileage	46 mi	0.3
		303.60
	Sub Total	1671.80
	Total	

EQUIPMENT

Pumptrk	No. 153	Cementer	<i>Dave</i>
		Helper	<i>Beard</i>
Pumptrk	No.	Cementer	
		Helper	
Bulktrk	<i>Ness City</i>	Driver	<i>Ness City</i>
Bulktrk		Driver	

DEPTH of Job

Reference:	<i>Pump trk chg</i>	360.00
	<i>1.00 per mile</i>	46.00
	<i>85000 lb plug</i>	40.00
	Sub Total	446.00
	Tax	
	Total	

Remarks: *Cement Cir*

Floating Equipment