

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

API NO. 15- 135-23,435-00-00 FROM CONFIDENTIAL

County Ness

NW SE SW Sec. 33 Twp. 16S Rge. 22 East West

990 Ft. North from Southeast Corner of Section

3630 Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

Lease Name Weeks Well # 1-33

Field Name Wildcat

Producing Formation Cherokee

Elevation: Ground 2421 KB 2428

Total Depth 4418 LTD PBTD 4460'

Operator: License # 5886

Name: Chief Drilling Co., Inc.

Address 224 E. Douglas, #530

City/State/Zip Wichita, Kansas 67202

Purchaser: Koch

Operator Contact Person: Douglas W. Thimesch

Phone (316) 262-3791

Contractor: Name: Warrior Drilling Co.

License: 5883

Wellsite Geologist: Ron Dulos

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: _____

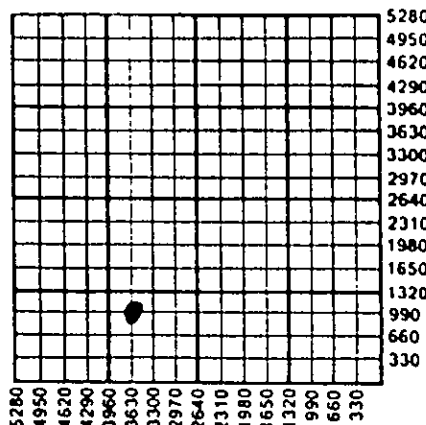
Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

4-2-90 4-11-90 5-1-90

Spud Date Date Reached TD Completion Date



ALT II
9-13-90

Amount of Surface Pipe Set and Cemented at 226 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 1735 Feet

If Alternate II completion, cement circulated from 1735

feet depth to 226 w/ 365 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 Douglas W. Thimesch

Title Vice President Date 5-11-90

Subscribed and sworn to before me this 11 day of May, 19 90.

Notary Public Betty M. Abbott

Betty M. Abbott

Date Commission Expires January 22, 1991

BETTY M. ABBOTT
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 1-22-91

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 Chief Drilling Co., Inc. Lease Name Weeks Well # 1-33
Sec. 33 Twp. 16SRge. 22 East West
County Ness

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 [X] Yes [] No
Samples Sent to Geological Survey [X] Yes [] No
Cores Taken [] Yes [X] No
Electric Log Run [X] Yes [] No

See attached sheet

Formation Description
[X] Log [X] Sample
Name Top Bottom
RELEASED

See attached sheet

MAY 24 1991
FROM CONFIDENTIAL

CASING RECORD [X] New [] Used
Report all strings set-conductor, surface, intermediate, production, etc.

Table with 8 columns: 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. Includes handwritten entries for surface production.

PERFORATION RECORD table with columns for Shots Per Foot, Specify Footage of Each Interval Perforated, Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used), and Depth.

TUBING RECORD Size 2 3/8" Set At 4290' Packer At Liner Run [] Yes [X] No

Date of First Production 5-1-90 Producing Method [] Flowing [X] Pumping [] Gas Lift [] Other (Explain)

Estimated Production Per 24 Hours Oil 16 Bbls. Gas none Mcf Water 52 Bbls. Gas-Oil Ratio Gravity

Disposition of Gas: [] Vented [] Sold [] Used on Lease
METHOD OF COMPLETION: [] Open Hole [X] Perforation [] Dually Completed [] Commingled
Production Interval

CONFIDENTIAL

ORIGINAL

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 # 5886
Name: Chief Drilling Co., Inc.
Address 224 E. Douglas, #530
City/State/Zip Wichita, Kansas 67202

Purchaser: Koch
Operator Contact Person: Douglas W. Thimesch
Phone (316) 262-3791

Contractor: Name: Warrior Drilling Co.
License: 5883
Wellsite Geologist: Ron Dulos

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

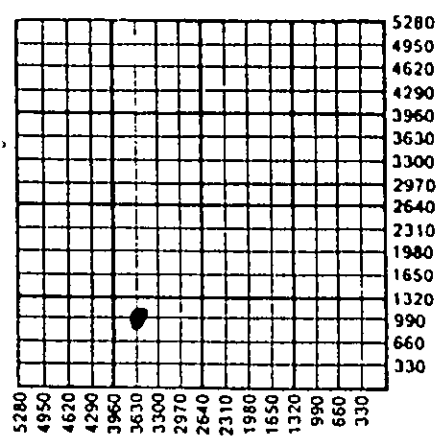
If **OWMO**: old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable
4-2-90 4-11-90 5-1-90
Spud Date Date Reached TD Completion Date

API NO. 15- 135-23,435-00-00

County Ness
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Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1735 Feet
If Alternate II completion, cement circulated from 1735
feet depth to 226 w/ 365 sx cmt.

RECEIVED
STATE CORPORATION COMMISSION
MAY 14 1990
OIL & GAS 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 Douglas W. Thimesch
Title Vice President Date 5-11-90

Subscribed and sworn to before me this 11 day of May, 19 90.

Notary Public Betty M. Abbott
Betty M. Abbott

Date Commission Expires January 22, 1991
BETTY M. ABBOTT
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 1-22-91

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)

ORIGINAL

RELEASED

Drill Stem Tests:

MAY 2 4 1991

DST #1 4357-67 (Cher. "A")
 30-45" 60-60" Rec. 372' GIP, 80'MCO
 (91% oil, 9% mud, trace water)
 FP 89-89#, 89-89#, SIP 715-715#

DST #2 4357-72 (Cher. "A")
 30-45" 45-45" Rec. 280' GIP, 400' CGO
 40° gravity, 400' water, IF 89-169#,
 FF 241-330#, SIP 804-804#, 60,000 ppm
 chlorides.

DST #3 4392-4428 (Lower Cher.)
 30-30" 30-30", Rec. 3' mud, FP 29-29#,
 29-29#, SIP 29-29#, Temp. 110°

DST #4 4392-4450 (Congl.)
 30-30", 30-30". Rec. 2' mud, FP 44-44#,
 44-44#, SIP 80-44# Temp. 110°

DST #5 4391-4465 (Congl.)
 30-45" 60-60", Rec. 80' Oil sptd mud
 FP 44-44#, 89-89#, SIP 1255-1210#, 111°

FROM CONFIDENTIAL

Sample Tops:

Log Tops:

FORMATION TOPS:

Anhydrite	1730	+698
Base/Anhy	1767	+661
Heebner	3833	-1405
Lansing	3873	-1445
Muncie Creek	4009	-1581
Stark	4096	-1668
Hushpuckney	4130	-1702
BKC	4151	-1723
Marmaton	4173	-1745
Pawnee	4253	-1825
Fort Scott	4349	-1921
Cherokee	4360	-1932
Cherokee "A" Sd.	4365	-1937
Mississippi	4463	-2035
RTD	4515	-2087

LOG TOPS:

Anhydrite	1734	+694
Base/Anhy	1769	+659
Heebner	3840	-1412
Lansing	3880	-1452
Muncie Creek	4015	-1587
BKC	4151	-1723
Marmaton	4178	-1750
Pawnee	4256	-1828
Fort Scott	4350	-1922
Cherokee	4363	-1935
Conglomerate	4450	-2022
Mississippi	4486	-2058
LTD	4518	-2090

RECEIVED
 STATE CORPORATION COMMISSION
 MAY 14 1990
 CONSERVATION DIVISION
 Wichita, Kansas

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

Phone Plainville 913-434-2022
 Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC. No 6904

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

New

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
4-2-90	33	16	22	5:00 P.M.	6:45 P.M.	7:45 P.M.	8:15 P.M.
Lease Weeks	Well No.	Location			County	State	
Weeks	1-33	Brownell, 1 ¹ / ₂ W, 25, 1 ¹ / ₂ E, N ¹ / ₂ S			Ness	Ks.	

Contractor: Warrior Big #2	Owner: JAME
Type Job: Surface	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: 12 1/4"	T.D. 228'
Csg. 8 5/8"	Depth 227'
Tbg. Size	Depth
Drill Pipe	Depth RELEASED
Tool	Depth MAY 2 4 1991
Cement Left in Csg. 15'	Shoe Joint
Press Max.	FROM CONFIDENTIAL
Meas Line	Displace 13 3/4 bbl.
Perf.	

Charge To: Chief Drilling Co., Inc.
Street: 1200 N. Vine
City: Hoisinton State: Ko 67544
The above was done to satisfaction and supervision of owner agent or contractor
Purchase Order No.
X Major Burris
CEMENT

EQUIPMENT			
#	No.	Cementer	
Pumptrk	181	Helper	Tim
		Helper	Mike M.
Pumptrk		Cementer	
		Helper	
Bulktrk	101	Driver	Mike M.
Bulktrk		Driver	

Amount Ordered: 150 SKS 60/40 3% cc, 2% Gel.
Consisting of:
Common 90 5.00 450.00
Poz. Mix 60 2.25 135.00
Gel. 3 6.75 N/C
Chloride 5 20.00 100.00
Quickset
Sales Tax

DEPTH of Job	
Reference:	
Pumptrk Charge	360.00
Pumptrk Mileage	18.00
1 8 1/2 Wooden Plug	40.00
Sub Total	
Tax	
Total	418.00

Handling 150 .90 135.00
Mileage 18 81.00
Sub Total
Total 901.00
Floating Equipment

Remarks: **Ran 227' of 8 5/8" csg. Mixed 150 SKS 60/40 3+2. Pumped Plug to 212' with fresh water. Cement did circulate.**
Thank you!

Total \$ 1319.00
Disc - 263.80
\$ 1055.20

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

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

ALLIED CEMENTING CO., INC.

No 6887

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
4-11-90	33	16	22		9:50 AM		2:00 PM
Lease Weeks	Well No.	Location		County	State		
	1-33	Brownell-1 1/2 N 2 1/2 E N 33 Sec		Ness	Ks		

Contractor	Warrior
Type Job	Production Casings - Bottom Stage
Hole Size	7 3/4
Csg.	4 1/2 10516
Tbg. Size	
Drill Pipe	
Tool	
Cement Left in Csg.	11.67
Press Max.	
Meas Line	✓

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 *Chief Drilling*
 Street *1200 N. Vine*
 City *Noisington* State *Ks 67544*
 The above was done to satisfaction and supervision of owner agent or contractor

Purchase Order No. *10*
 X *Jay Lindquist*
 CEMENT

Post Stage Celler = 1735
EQUIPMENT

# No.	Cementer	<i>Allen</i>
Pumptrk 120	Helper	<i>Brad</i>
# No.	Cementer	
Pumptrk	Helper	
#	Driver	<i>Jack S.</i>
Bulktrk 68	Driver	<i>Mike H.</i>

Amount Ordered	<i>150 ASC</i>	<i>20682 mud flush</i>	<i>WFR</i>
Consisting of			
Common	<i>150 ASC</i>	<i>2.00</i>	<i>1050.00</i>
Poz. Mix			
Gel.			
Chloride			
Quickset			
	<i>WFR 2 - 840 gals.</i>	<i>.21</i>	<i>176.40</i>
		Sales Tax	
Handling	<i>150</i>	<i>.90</i>	<i>135.00</i>
Mileage	<i>18</i>		<i>81.00</i>

DEPTH of Job		
Reference:	<i>Pump trk. Chg.</i>	<i>838.00</i>
	<i>Pump trk. mix</i>	<i>18.00</i>
	Sub Total	
	Tax	
	Total	<i>856.00</i>

Total	<i>\$ 5688.40</i>	Sub Total	
Disc	<i>- 1137.68</i>		
	<i>\$ 4550.72</i>	Total	<i>1442.40</i>

Remarks: *Floor Did Hold*

Floating Equipment	
<i>1-4 1/2 G.S.</i>	<i>- 104.00</i>
<i>1-4 1/2 PFL Insect</i>	<i>- 161.00</i>
<i>1-4 1/2 Stage Celler</i>	<i>- 2800.00</i>
<i>1-4 1/2 Basket</i>	<i>- 108.00</i>
<i>1-4 1/2 Lock Ring</i>	<i>- 12.00</i>
<i>5-4 1/2 Cent.</i>	<i>- 205.00</i>
	<i>3390.00</i>

Thank you
 STATE CORPORATION COMMISSION
 MAY 14 1990
 CONSERVATION DIVISION
 Wichita, Kansas

Phone 913-483-2627, Russell, Kansas
 Phone 913-493-5861, Great Bend, Kansas

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3842

ALLIED CEMENTING CO., INC.

No. 6888

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	4-19-90	Sec.	33	Twp.	16	Range	22	Called Out		On Location		Job Start		Finish	3:30 PM	
Lease	Weeks	Well No.	1-33			Location	Braniff - 1/2 mi. S, 1/2 mi. W, W55			County	W55	State	Ks.			
Contractor	Warrior Drilling											Owner	Same			
Type Job	Production Casings Top Stage											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	7 3/4		T.D.	4515												
Csg.	4 1/2		Depth	1735												
Tbg. Size			Depth	RELEASED												
Drill Pipe			Depth	MAY 24 1991												
Tool			Depth													
Cement Left in Csg.	-		SEE FROM CONFIDENTIAL													
Press Max.			Minimum													
Meas Line			Displace	✓												
Perf.																

EQUIPMENT

Pumptrk	#No.	Cementer	Allen
	120	Helper	Brad
Pumptrk	No.	Cementer	Ben
		Helper	
Bulktrk	#	Driver	Mike
	208		
Bulktrk		Driver	

DEPTH of Job		
Reference:	Pump trk. Chg.	450.00
	Pump trk miles	NIC
	Sub Total	
	Tax	
	Total	450.00

Remarks: Cement Did Circ
 Landed plus @ 1800 psf
 tool shut + held
 open tool @ 400 psf

THANK YOU
 STATE CORPORATION
 WICHITA, KANSAS

Charge To: Chief Drilling
 Street: 1200 N. Vine
 City: Noisinton State: Mo. 67544
 The above was done to satisfaction and supervision of owner agent or contractor

Purchase Order No. _____
 X *Buy Indemnity*
 used 365 ^{CEMENT} size

Amount Ordered: 400sf live
 Consisting of:
 Common: 365 lbs @ 4.00 = 1460.00
 Poz. Mix: _____
 Gel: _____
 Chloride: _____
 Quickset: _____

Handling: 400 @ .90 = 360.00
 Mileage: 18 @ 12.00 = 216.00
 Sub Total: _____
 Total: 2036.00

Floating Equipment
 Total \$ 2486.00
 Disc - 497.20
 \$ 1988.80

Phone 913-483-2627, Russell, Kansas

Phone Plainville 913-434-2812

Phone 316-793-5861, Great Bend, Kansas

Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

1623

Home Office P. O. Box 31

Russell, Kansas 67665

Date <i>10-5-72</i>	Sec. <i>33</i>	Twp. <i>16</i>	Range <i>22</i>	Called Out <i>9:00 A.M.</i>	On Location <i>10:00 A.M.</i>	Job Start <i>11:45 A.M.</i>	Finish <i>12:15 P.M.</i>
Lease <i>Wichita</i>	Well No. <i>1-53</i>	Location <i>1/2-10-2-S 4-1-E Brownell</i>			County <i>Wichita</i>	State <i>Ks</i>	

Contractor <i>None</i>	Type Job <i>Abandon Well Plug</i>
Hole Size <i>7 7/8</i>	T.D. <i>4460</i>
Csg. <i>4 1/2</i>	Depth <i>Plug Back to 4515</i>
Tbg. Size	Depth
Drill Pipe	Depth
Tool	Depth
Cement Left in Csg. <i>Full</i>	Shoe Joint
Press Max. <i>700 #</i>	Minimum <i>100 #</i>
Meas Line	Displace.
Perf.	

Owner <i>Chick</i>	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.
Charge To <i>Chick & Polg Co.</i>	
Street	
City	State
The above was done to satisfaction and supervision of owner agent or contractor.	
Purchase Order No.	
X <i>Allen</i>	

EQUIPMENT			
Pumptrk	No.	Cementer <i>225</i>	<i>Arden</i>
		Helper	<i>Walt</i>
Pumptrk	No.	Cementer	
		Helper	
Bulktrk <i>199</i>		Driver	<i>Bill</i>
		Driver	

CEMENT	
Amount Ordered <i>210 SX 65/35 27 gal 200# bulk</i>	
Consisting of <i>18-gal on side</i>	
Common	
Poz. Mix	
Gel.	
Chloride	
Quickset	
Sales Tax	

DEPTH of Job	
Reference:	
<i>Midvale Ness City 21-M</i>	
Sub Total	
Tax	
Total	

Handling	
Mileage	
Sub Total	
Floating Equipment	
Total	

Remarks:
Pressure back-side 800# 72 Cement
Mixed 40% cement 200# bulk
18-gal 50% cement 27 gal PSI
700# Shot in PSI 100#

RECEIVED
 STATE CORPORATION COMMISSION
 OCT 12 1993
 CONSERVATION DIVISION
 Wichita, Kansas