

ORIGINAL

RELEASED
CONFIDENTIAL

SIDE ONE

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

API NO. 15- 109-20,489-00-00 FROM CONFIDENTIAL

County Logan

NE SE NW Sec. 7 Twp. 12S Rge. 33 East West

3630 Ft. North from Southeast Corner of Section

2970 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Lease Name Bertrand Well # 1-7

Field Name Wildcat

Producing Formation None

Elevation: Ground 3175 KB 3182

Total Depth 4790 PBDT ----

Operator: License # 5886

Name: Chief Drilling, Inc.

Address 224 E. Douglas, #530

City/State/Zip Wichita, KS 67202

Purchaser: none

Operator Contact Person: Douglas W. Thimesch

Phone (316) 262-3791

Contractor: Name: Chief Drilling, Inc.

License: 5886

Wellsite Geologist: Jerry Jespersen

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD Temp. Abandoned
 Gas Inj Delayed Comp
 Dry Other (Core, Water Supply, etc.)

If OWWO: old well info as follows:

Operator: _____

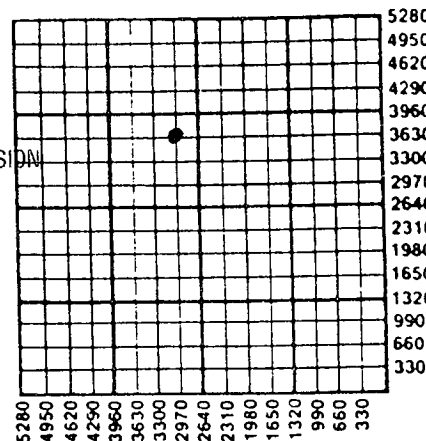
Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable

7-13-90 7-24-90 7-24-90

Spud Date Date Reached TD Completion Date



Alt D/O

Amount of Surface Pipe Set and Cemented at 345 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 cm.

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 7-31-90

Subscribed and sworn to before me this 31st day of July, 19 90.

Notary Public Betty M. Abbott
Date Commission Expires January 22, 1991



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 Chief Drilling, Inc. Lease Name Bertrand Well # 1-7
 Sec. 7 Twp. 12 Rge. 33 East West
 County Logan

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.)

See attached sheet

Formation Description
 Log Sample
 Name _____ Top _____ Bottom _____
 2021091
 NON-CENTRAL

See attached sheet

CASING RECORD <input type="checkbox"/> New <input checked="" 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"	20#	345'	60/40 pozmix	175	3% c.c., 2% gel
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			Amount and Kind of Material Used			Depth
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Size	Set At	Packer At					
Date of First Production	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)						
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity		

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 _____

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FORMATION TOPS:

Anhydrite	2661	+521
Base/Anhy	2683	+499
Heebner	4069	-887
Toronto	4092	-910
Lansing/KC	4109	-927
Muncie Creek	4261	-1079
Stark	4348	-1166
Hushpuckney	4386	-1204
Base KC	4431	-1249
Marmaton	4462	-1280
Pawnee	4536	-1354
Ft. Scott	4600	-1418
Johnson	4673	-1491
B/Cherokee Lm.	4723	-1541
Mississippi	4751	-1569
RTD	4790	-1608

FROM CONFIDENTIAL

CONFIDENTIAL

LOG TOPS:

Anhydrite	2663	+519
B/Anhy	2685	+497
Heebner	4071	-889
Lansing	4114	-932
Stark	4348	-1166
BKC	4430	-1248
Pawnee	4535	-1354
Ft. Scott	4596	-1414
Cherokee Sh.	4625	-1443
Johnson Zn.	4672	-1490
B/Cherokee Lm.	4727	-1545
Mississippi	4754	-1572
LTD	4791	-1609

DST #1 4077-4100 (Tor)
 30-45" 60-60" Wk blow thru-out
 Rec. 350' muddy salt water.
 BHP 1210/1210# FP 44/89#, 150/178#
DST #2 4134-4150 (35' zone)
 30-45" 60-60" Fair blow thru-out
 Rec. 500' muddy salt water. 60,000
 chlorides. BHP 1255/1255# FP 89/107#
 133/200#

DST #3 4274-4290 (140' zone)
 30-45" 60-60" Rec. 50' muddy water.
 BHP 1300/1210#, FP 80/80# 80/80#

DST #4 4314-4430 ("I,J,K&L")
 30-45" 90-60" Fair blow thruout.
 Rec. 93' O, 34°, 93' MCO, 21% Oil,
 79% Mud, trace water., 279' Salt Wtr.
 Chlorides 62,000. SIP 1255/1210#,
 FP 71/89# 133/223#, Hyd 2095/2059#, 111°

DST #5 4576-4600
 30-45" 90-60", Fair blow thruout.
 Rec. 372' gas in pipe, 93' oil, 34°
 SIP 151/303#, FP 80/89# 89/89#, Hyd.
 2215/2123#, 112°

DST #6 4665-4690
 Wk blow IF, Fair blow FF, Rec. 60' clean
 gassy oil. SIP 89/133#, FP 44/44# 89/89#
 Hyd. 2169/2123#, 113°

RECEIVED
STATE CORPORATION COMMISSION

AUG - 2 1990

CONSERVATION DIVISION
Wichita, Kansas

Russell, Kansas
 5861, Great Bend, Kansas

ORIGINAL RELEASED
 15-109-20489-00-00
 AUG 21 1991

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

ALLIED CEMENTING CO., INC. No 4736

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	7-13-90	Sec.	7	Twp.	125	Range	33	Called Out	4:00 PM	On Location	4:30 PM	Job Start	8:15 PM	Finish	8:45 PM
Lease	BERTRAND	Well No.	1-7			Location	MONUMENT 65			County	LOGAN	State	KS.		

Contractor	WARRIOR Dalg.	
Type Job	SURFACE	
Hole Size	12 1/4	T.D. 345'
Csg.	8 5/8	Depth 345'
Tbg. Size		Depth
Drill Pipe		Depth
Tool		Depth
Cement Left in Csg.	15'	Shoe Joint
Press Max.		Minimum
Meas Line		Displace 20.5 bbl.
Perf.		

Owner	Chief Dalg.	
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 Dalg. Co. Inc.	
Street	Box 240	
City	Hoisington	State Ko 6754
The above was done to satisfaction and supervision of owner agent or contractor		

Purchase Order No.	
X	Maxim Burrus
CEMENT	

Amount Ordered	175	60/40	2%	60/13%
Consisting of				
Common	105	5.00	630.00	
Poz. Mix	70	2.40	168.00	
Gel.	4	6.75	NIC	
Chloride	5	20.00	100.00	
Quickset				

EQUIPMENT

No.	Cementer	Kris
Pumptrk 158	Helper	Jerry
No.	Cementer	
Pumptrk	Helper	
	Driver	
Bulktrk 96		Bill
Bulktrk	Driver	

Handling	175	.90	157.5
Mileage	15		78.00
OAKLEY			
Sub Total			
Total			1134.00

DEPTH of Job

Reference	Pump Trk. Chg.	360.00
	Mileage	15.00
	1 8 5/8 TWP	40.00
	45' .39	17.55
	Total	432.55

Floating Equipment

TOTAL \$ 1566.80

Disc - 313.36

Remarks: Cement did circ.
 10 bbl.

RECEIVED
 STATE CORPORATION COMMISSION
 AUG - 2 1990
 CONSERVATION DIVISION
 Wichita, Kansas

\$ 1253.44

Thank you!

83-2627, Russell, Kansas

Phone Plainville 913-434-2812

Phone 316-793-5861, Great Bend, Kansas

Phone Ness City 913-798-3843

ORIGINAL

AUG 21 1991

15-109-20489-00-00

ALLIED CEMENTING CO., INC. No. 9352

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	7-23-90	Sec.	7	Twp.	12s	Range	33w	Called Out	6:00 PM	On Location	9:15 PM	Job Start	10:00 PM	Finish	12:30 AM
Lease	BERTRAND	Well No.	# 1-7	Location	MONUMENT	5 S	1/2 W	County	LOGAN	State	KANSAS				
Contractor	CHIEF DRG. Rig # 2														
Type Job	Rotary Plug														
Hole Size	7 7/8	T.D.	4790'												
Csg.	8 5/8 SURFACE	Depth	345'												
Tbg. Size		Depth													
Drill Pipe	4 1/2 X-H	Depth	2670'												
Tool		Depth													
Cement Left in Csg.		Shoe Joint													
Press Max.		Minimum	✓												
Meas Line		Displace													
Perf.															

Owner 1/4 S into

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 INC.

Street 1200 N VINE

City Hosington State KANSAS 67544

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

Purchase Order No.

X Marion Burris

EQUIPMENT

Pumptrk #	No.	Cementer	<u>Shawn</u>
	107	Helper	<u>Will</u>
Pumptrk	No.	Cementer	
		Helper	
Bulktrk #	155	Driver	<u>Paul</u>
Bulktrk		Driver	

CEMENT			
Amount Ordered	195 SK	6 1/40	6 1/2 gel 1/4 Seal
		PER SK	
Consisting of			
Common	117 SKs	6 00	702 00
Poz. Mix	78 SKs @	2 40	187 20
Gel.	7 SKs @	6 75	47 25
Chloride			
Quickset			
Flo Seal	2 SKs @	15 00	30 00
		Sales Tax	
Handling	@ 90¢		175 50
Mileage	3¢/SK/M.I.E		87 75
		Sub Total	
		Total	1229 70

DEPTH of Job	
Reference:	Pump TRUCK chrg 360 00
	1-8 5/8 Plug 20 00
	1 00 PER MAT 15 00
	Sub Total
	Tax
	Total 395 00

Remarks:

20 SK @ 2670'

100 SK @ 1630'

40 SK @ 395'

10 SK @ 40' d wiper Plug

15 SK @ Rat Hole

10 SK @ MOUSE Hole

Floating Equipment

Shawn

AUG 2 1991