

ORIGINAL

CONFIDENTIAL

RELEASED

AUG 21 1991

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- 179-20,967-000 FROM CONFIDENTIAL

County Sheridan  
100' East of \_\_\_\_\_ East  
NW NW SW Sec. 14 Twp. 10S Rge. 26 X West

Operator: License # 5886

2310 ✓ Ft. North from Southeast Corner of Section

Name: Chief Drilling, Inc.

4850 ✓ Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

Address 224 E. Douglas  
#530

Lease Name Werth ✓ Well # 1-14

City/State/Zip Wichita, KS 67202

Field Name ---

Purchaser: n/a

Producing Formation none

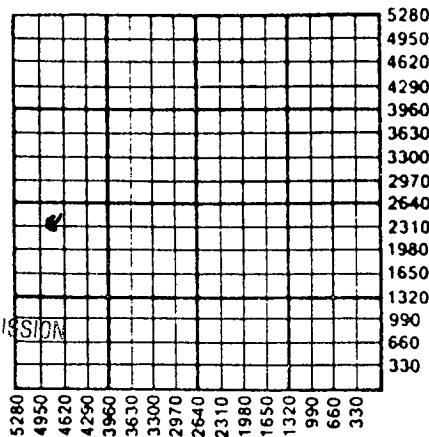
Operator Contact Person: Douglas W. Thimesch

Elevation: Ground 2581 KB 2588

Phone (316) 262-3791

Total Depth 4105 PBTD ----

Contractor: Name: Chief Drilling, Inc.



License: 5886

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 OMWO: old well info as follows:

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Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 270' Feet

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Multiple Stage Cementing Collar Used?  Yes  No

Drilling Method:

Mud Rotary  Air Rotary  Cable

If yes, show depth set \_\_\_\_\_ Feet

7-3-90 7-10-90 7-10-90

If Alternate II completion, cement circulated from n/a

Spud Date Date Reached TD Completion Date

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.

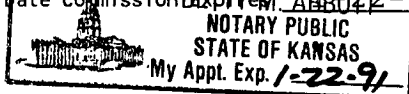
Signature: Douglas W. Thimesch  
Title Vice President Date 7-16-90

Subscribed and sworn to before me this 16 day of July, 19 90.

Notary Public Betty M. Abbott

Date Commission BETTY M. ABBOTT - 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)



**SIDE TWO**

Operator Name Chief Drilling, Inc. Lease Name Werth Well # 1-14  
 Sec. 14 Twp. 10S Rge. 26  East  West  
 County Sheridan **RELEASED**

**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

See attached sheet

**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#	270'	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** Size Set At Packer At Liner Run  Yes  No

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 \_\_\_\_\_

# ORIGINAL

Chief Drilling, Inc.  
224 E. Douglas, #530  
Wichita, Kansas 67202  
ACO-1 Attachment Sheet

API #15-179-20,967-0000  
Werth #1-14  
100' E of NW NW SW  
Sec. 14-10S-26W

## FORMATION TOPS:

Anhydrite	2232	+356
Base/Anhy	2266	+322
Heebner	3820	-1232
Lansing	3861	-1273
Muncie Creek	3983	-1395
Stark	4051	-1463
BKC	4095	-1507
RTD	4105	-1517

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FROM CONFIDENTIAL

## LOG TOPS:

Anhydrite	2231	+357
Heebner	3819	-1231
Lansing	3960	-1272
Muncie Creek	3982	-1394
Stark	4048	-1460
BKC	4087	-1499
LTD	4104	-1516

### DST #1 3877-3885 (Lans. 'B')

30-30" 30-30" Wk blow died 11"  
Rec. 1' mud. BHP 20/20#, FP 20/20#  
20/20#, Hyd. 1839-1802#, Temp 101°

### DST #2 (Misrun-packer failure)

### DST #3 3877-3922 (Lans. 'D')

30-45", 60-60" Fair blow, decreasing  
to weak. Rec. 1300' oil spotted gas  
cut water. Chlorides 60,000. BHP  
1017/1017#, FP 67/281# 315/606#  
Hyd. 2002/1980#

### DST #4 3920-3955 (Lans. 'E&F')

30-45" 60-60", Wk blow through out. Rec.  
550' water. Chlorides 28,000. BHP  
1051/1017#, FP 45/112, 146/281#  
Hyd 2013/2013#, Temp. 126°

### DST #5 3983-4009 (Lans. 'H')

30-30" 30-30" Very wk blow died 10"  
on IF, Very wk blow died 5" on FF.  
Rec. 5' oil, 30' mud. BHP 751/270#  
FF 11/22# 22/33#, Hyd. 2024/2020#, 128°

### DST #6 3983-4105 (Lans. 'I,J,K&L')

30-45", 60-60", Wk blow through out.  
Rec. 180' gas, 50' oil, 170' oil cut  
mud. (50% M, 22% O, 18% Gas) BHP 1095/  
1006#, FP 90/123#, 135/180#

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STATE CORPORATION COMMISSION

JUL 17 1990

CONSERVATION DIVISION  
Wichita, Kansas

Kansas  
Great Bend, Kansas

ORIGINAL  
RELEASED

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

# ALLIED CEMENTING CO., INC. N° 9949

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

New

Date	7-3-90	Sec.	14	Twp.	10S	Range	26	Called Out		On Location		Job Start		Finish	12:45 PM
Lease	Werth	Well No.	1	Location	Quarter 7N2E4N4E			County	Seward		State	KS			
Contractor	Warrior Drlg														

Type Job	Surface		
Hole Size	12 1/4	T.D.	274
Csg.	8 1/2	Depth	272
Tbg. Size		Depth	
Drill Pipe		Depth	
Tool		Depth	
Cement Left in Csg.	10-15	Shoe Joint	
Press Max.		Minimum	
Meas Line		Displace	
Perf.			

Owner  
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 Drlg.		
Street	224 E Douglas #530		
City	Wichita	State	KS 67202

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

Purchase Order No.	
X	Marion Burris
	CEMENT

Amount Ordered	175.69	3 1/2 CC	2 1/2 gel
Consisting of			
Common	105 Skts @ 5.00		525.00
Poz. Mix	70 Skts @ 2.25		157.50
Gel.	3 Skts / NC		NC
Chloride	5 Skts @ 20.00		100.00
Quickset			

**EQUIPMENT**

Pumptrk	No.	Cement	Dave
	153	Helper	Gerald
Pumptrk	No.	Cement	
		Helper	
Bulktrk	156	Driver	Mark
Bulktrk		Driver	

Handling	@ 90¢	157.50
Mileage	3¢/sk/M.I.E	236.25
Sub Total		
Total		1176.25

DEPTH of Job		
Reference:	Pump truck chg	360.00
	10¢ per mile	45.00
	8¢ wooden plug	40.00
	Sub Total	
	Tax	
	Total	445.00

Floating Equipment

Remarks: Cement Cir

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Wichita, Kansas

627, Russell, Kansas

16-793-5861, Great Bend, Kansas

ORIGINAL

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Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

New AUG 21 1991

# ALLIED CEMENTING CO., INC. No. 9800

Home Office P. O. Box 31

Russell, Kansas 67665

Date	7-10-90	Sec.	14	Twp.	10S	Range	26W	Called Out	1:00 P.M.	On Location	3:30 P.M.	Job Start	4:00 P.M.	Finish	6:00 P.M.
Lease	Werth	Well No.	1-14	Location	Quarter 8N2E 1/2N1/2E			County	Sheridan	State	Ks.				
Contractor	Warner Drilling Co.			Rig #	2										
Type Job	Plug														
Hole Size	7 7/8"			T.D.	4105'										
Csg.	8 7/8"			Depth	264'										
Tbg. Size				Depth											
Drill Pipe				Depth											
Tool				Depth											
Cement Left in Csg.				Shoe Joint											
Press Max.	200*			Minimum											
Meas Line				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 Chief Drilling Company, Inc.  
Street 151 N. Main, Suite 700  
City Wichita, State Ks. 67202

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

Purchase Order No.

X Marion Burris

### EQUIPMENT

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

**CEMENT**

Amount Ordered	200 sks 6 7/40 gal 32cc	
Consisting of	1 sk. flo seal.	
Common	120 sks @ 5.00/sk.	\$600.00
Poz. Mix	80 sks @ 2.25/sk.	180.00
Gel.	72 sks @ 6.75/sk.	47.25
Chloride	6 sks @ 20.00/sk.	120.00
Quickset		
Flo seal - 25#	@ 60.00/lb.	15.00
Sales Tax		
Handling	90¢/sk. (200 sks)	180.00
Mileage	203¢/sk./mi. (53 mi.)	318.00
Sub Total		\$1460.25
Total		

DEPTH of Job

Reference:	#9 Pumptruck - plug	\$360.00
	#8 1-8 7/8" dry hole plug	20.00
	#14 mileage @ 1.00/mi.	53.00
	Sub Total	\$433.00
	Tax	
	Total	

Floating Equipment

Thanks

Plugged rat hole w/15 sks.

Plugged mouse hole w/10 sks.

Remarks:

1st plug @ 2235' w/25 sks.

2nd plug @ 1310' w/100 sks & 1 sk. flo seal

3rd plug @ 300' w/40 sks.

8 7/8" plug @ 40' w/10 sks to surface

Plugged rat hole w/15 sks.