

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, Inc.  
 Address 224 E. Douglas, #530  
 City/State/Zip Wichita, KS 67202  
 Purchaser: Koch  
 Operator Contact Person: Douglas W. Thimesch  
 Phone (316) 262-3791

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 OWMO: old well info as follows:  
 Operator: \_\_\_\_\_

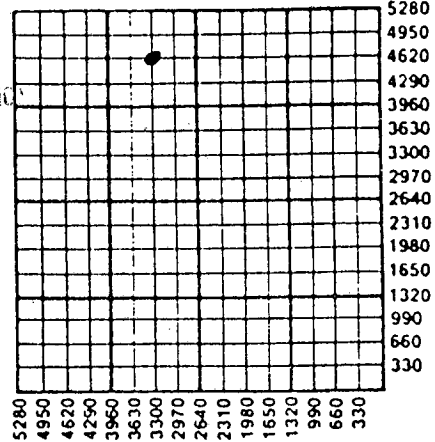
Well Name: \_\_\_\_\_

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

Drilling Method:  
 Mud Rotary  Air Rotary  Cable

12-26-90 1-10-91 1-23-91  
 Spud Date Date Reached TD Completion Date

API NO. 15- 171-20,422-00-00  
 County Scott FROM CONFIDENTIAL  
 C NE NW Sec. 9 Twp. 19S Rge. 33  East West  
4620 Ft. North from Southeast Corner of Section  
3300 Ft. West from Southeast Corner of Section  
 (NOTE: Locate well in section plat below.)  
 Lease Name Miller Well # 1-9  
 Field Name Unnamed  
 Producing Formation Marmaton  
 Elevation: Ground 2957 KB 2964  
 Total Depth 4755' PBDT 4600'



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 02-14-91  
 CONSERVATION DIVISION  
 WICHITA, KANSAS

Amount of Surface Pipe Set and Cemented at 350 Feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set 2263' Feet  
 If Alternate II completion, cement circulated from 2263'  
 feet depth to Surface w/ 450 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 [Signature]

Title Vice President Date 2-12-91

Subscribed and sworn to before me this 12 day of February, 19 91.

Notary Public Betty M. Abbott  
 BETTY M. ABBOTT  
 Date Commission 1-22-95  
 STATE OF KANSAS  
 My Appt. Exp. 1-22-95

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, Inc. Lease Name Miller Well # 1-9  
 Sec. 9 Twp. 19S Rge. 33  East County Scott  
 West

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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Formation Description  <input type="checkbox"/> Log <input type="checkbox"/> Sample  Name Top Bottom
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
See attached		See attached

**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 1/2"	8 5/8"	20#	350'	60/40	225	3% c.c. 2% gel
Production	7 7/8"	4 1/2"		4750'	Pozmix ASC	200	Gilsonite 15%

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
4	4650-4654'		
4	4371-4375'	500 gal. INS	

**TUBING RECORD** Size 2 3/8" Set At 4564' Packer At 4600' Liner Run  Yes  No

Date of First Production 1-31-91 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls. <u>65 BOPD</u>	Gas Mcf <u>-0-</u>	Water Bbls.	Gas-Oil Ratio	Gravity
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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 \_\_\_\_\_

Chief Drilling, Inc. (Op# 5886)  
 224 E. Douglas, #530  
 Wichita, Kansas 67202  
 ACO-1 Attachment Sheet

ORIGINAL

#1-9 MILLER  
 API #15-171, 20, 42, 1995-00  
 C NE NW, Sec. 9-19S-33W  
 Scott County, Kansas  
 FROM CONFIDENTIAL

CONFIDENTIAL

FORMATION TOPS:

FORMATION TOPS:

Anhydrite	2225	+739
Base/Anhy.	2241	+723
Topeka	3598	-634
Heebner	3851	-887
Lansing	3900	-936
Muncie Creek	4085	-1121
Stark	4189	-1225
Hushpuckney	4246	-1282
BKC	4284	-1320
Marmaton	4335	-1371
Pawnee	4434	-1470
Ft. Scott	4476	-1512
Cherokee	4501	-1537
Morrow	4621	-1657
Mississippi	4687	-1723
RTD	4755	-1791

LOG TOPS:

Anhydrite	2224	+740
Base/Anhy	2241	+723
Topeka	3598	-634
Heebner	3854	-890
Lansing	3900	-936
Muncie Creek	4088	-1124
Stark	4194	-1230
Hushpuckney	4249	-1285
BKC	4286	-1322
Marmaton	4336	-1372
Pawnee	4438	-1474
Ft. Scott	4480	-1516
Cherokee	4504	-1540
Morrow	4628	-1664
Mississippi	4696	-1732
LTD	4739	-1775

DST #1 3599-3780 (Topeka)

30-45" 45-45". Rec. 10' mud cut oil (95% O, 5% M); 540' O&MCW (20% O, 30% M, 50% Wtr); 180' O&MCW (30% O, 10% M, 60% Wtr) FP 114/280#, 322/457# BHP 1040/1030# Hyd 1852/1772#, Chlorides 34,000

DST #2 3741-3780 (Topeka)

30-45" 45-45" Rec. 140' total fluid: 50' gassy muddy water cut oil (20% gas, 50% oil, 20% wtr, 10% mud) & 90' oil cut wtry mud (5% oil, 55% wtr, 40% mud) Chlorides 28,000, BHP 969/929# FP 31/52# 72/83#, Hyd 1852/1822#

DST #3 3778-3890 (Top. & Tor.)

30-30" 30-30" Rec. 2100' water. Chlorides 53,000. BHP 1028/1028# FP 312/715# 804/939#, Hyd 1893/1847#, Temp 112°

DST #4 3929-4014 (Lans 35,50&70' zone)

30-30" 30-30" Rec. 800' wtr. Chlorides 67,000. BHP 804/715#, FP 89/223# 267/312#, Hyd 1985/1893#

DST #5 4004-4038 (Lans 'E&F') Straddle Test

30-30" 30-30", Rec. 1000' water, Chlorides 71,000, BHP 983/956#, FP 133/223# 241/330# Hyd 1985/1939#

DST #6 4320-4384 (U. Mar, Mar'A&B')

30-45" 60-60", Rec. 200' GIP, 30' GCMO (69% O, 21% M, 10% G), 370' clean gassy oil. BHP 1164/1164#, FP 89/107# 133/178# Hyd 2169/2123#

DST #7 4390-4428 (Mar'C')

30-45" 60-60", Rec. 80' slightly oil spotted muddy water. Chlorides 60,000, BHP 1119/1119# FP 80/80# 80/80#, Hyd. 2215/2169#

DST #8 4602-4640 (U. Morrow)

30-45" 60-60", Rec. 30' sli. O spotted Mud BHP 89/44#, FP 62/62# 62/62#, Hyd 2261/2215#

RECEIVED  
 STATE CORPORATION COMMISSION

FEB 14 1991

CONSERVATION DIVISION  
 Wichita, Kansas

RELEASED

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

MAR 05 1992

ORIGINAL

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

# ALLIED CEMENTING CO., INC. No. 8334

Home Office P. O. Box 31

Russell, Kansas 67665

CONFIDENTIAL

New

Date	12-26-90	Sec.	9	Twp.	19	Range	33	Called Out	6:00 P.M.	On Location	9:00 P.M.	Job Start	10:30 P.M.	Finish	11:30 P.M.
Lease	Miller	Well No.	1-9			Location			Scott City, 4w, 4s, 2E into			County	Scott	State	Ks.
Contractor	<del>Miller</del> Chief Drlg.														
Type Job	Surface														
Hole Size	12 1/4"			T.D. 352'											
Csg.	8 5/8"			Depth 350'											
Tbg. Size				Depth											
Drill Pipe				Depth											
Tool				Depth											
Cement Left in Csg.	15'			Shoe Joint											
Press Max.				Minimum											
Meas Line				Displace 22 bbl.											
Perf.															

### EQUIPMENT

#	No.	Cementer	Tim
Pumptrk	63	Helper	Cary
	No.	Cementer	
Pumptrk		Helper	
#		Driver	Chad
Bulktrk	69		
Bulktrk		Driver	

### DEPTH of Job

Reference:	Pumptrk Charge	380.00
	62 Pumptrk Mileage	124.00
	1 8 5/8 Wooded Plug	42.00
	50' at .39	19.50
	<b>Total</b>	<b>565.50</b>

### Remarks:

Ran 350' of 8 5/8 csg. Mixed  
200 SKS 69/40 3 1/2. Pumped Plug  
to 337' with fresh water.  
Cement Did Circulate,  
Applied Cementing Co. Inc. — Thanks  
By Tim Plehman

Owner Same  
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 Chief Drilling Co. Inc.  
Street 224 E. Douglas Suite # 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 225 SKS 69/40 3 1/2, 226 gal.  
(Used 200 SKS Approx)

Consisting of	Common	120	5.25	630.00
	Poz. Mix	80	2.25	180.00
	Gel.	4	6.25	NIC
	Chloride	6	21.00	126.00
	Quickset			

### Sales Tax

Handling 225 1.00 225.00  
Mileage 62 RECEIVED 558.00

STATE COMPTROLLER'S OFFICE  
Sub Total  
FEB 14 1991  
Total 1719.00

Floating Equipment Wichita, Kas  
- 8 5/8 Basket - 180.00

TOTAL \$ 2464.50

Disc - 492.90

\$ 1971.60

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

RELEASED

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

ORIGINAL

MAR 05 1992

**ALLIED CEMENTING CO., INC.**

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

No. 7217

CONFIDENTIAL

Date	12-28-90	Sec.	9	Twp.	19	Range	33	Called Out	noon	On Location	4:45 PM	Job Start		Finish	10:45 PM
Lease	Miller	Well No.	1-9	Location	Scott City 4W48 1/2 E			County	Scott	State	Mo				
Contractor	Chief Daily rig #2														
Type Job															
Hole Size	7 7/8	T.D.													
Csg.			Depth												
Tbg. Size			Depth												
Drill Pipe	4 1/2	Depth													
Tool			Depth												
Cement Left in Csg.			Shoe Joint												
Press Max.			Minimum												
Meas Line			Displace												
Perf.															

**EQUIPMENT**

No.	Cementer	Ben	Mike M.
Pumptrk 120	Helper		B.J.
No.	Cementer		
Pumptrk	Helper		
	Driver		Chad
Bulktrk 116			
Bulktrk	Driver		

**DEPTH of Job**

Reference:	Pumptrk	
62	mileage	124.00
	Sub Total	
	Tax	
	Total	

Remarks:  
 Did not do any cementing  
 Ben Shaffer Allied Cement

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 Daily Inc.  
 Street: Box 240  
 City: Haysington State: Mo. 67544

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

Purchase Order No.  
 X Marlon Burreis

**CEMENT**

Amount Ordered: 200 6 7/8 3% C. PL/Did NOT use

Consisting of:  
 Common  
 Poz. Mix  
 Gel.  
 Chloride  
 Quickset

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 STATE OF MISSOURI  
 FEB 14 1991

Handling	200	1.00	200.00
Mileage	62		496.00
		Sub Total	
		Total	\$ 696.00

Floating Equipment

Total \$ 820.00  
 Disc - 164.00  
 \$ 656.00

RELEASED

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.

FROM CONFIDENTIAL

No. 1167

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

CONFIDENTIAL

Date	12-29-90	Sec.	9	Twp.	19	Range	33	Called Out	1:00 PM	On Location	3:00 PM	Job Start	3:30 PM	Finish	3:30 PM
Lease	Miller	Well No.	1-9	Location	Scott CT. 40 43 1/2 E	County	Scott	State	KS						
Contractor	Chief	Prly #	2	Owner	Same										
Type Job	SPOT Cement Lost Core														
Hole Size	7 7/8	T.D.	2443												
Csg.		Depth		Charge	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.										
Tbg. Size		Depth		To Chief Driller Inc. 240											
Drill Pipe	4 1/2	Depth	1898	Street Box 240											
Tool		Depth		City Noisineton State Mo. 67544											
Cement Left in Csg.		Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.											
Press Max.		Minimum		Purchase Order No. <i>Marian Burris</i>											
Meas Line		Displace		Cement											
Perf.															

### EQUIPMENT

At. Bend. No.	Cementier	Phil
Pumptrk 195	Helper	Jack
Pumptrk	Cementier	
	Helper	
Ness	Driver	Bob
Bulktrk 199	Driver	

Amount Ordered	25 SKS 60/40 3/8" 209.25
Consisting of	
Common	15 5.25 78.75
Poz. Mix	10 2.25 22.50
Gel. Chloride	1 2.00 21.00
Quickset	
Handling	25 1.00 25.00
Mileage	62 62.00
Sub Total	209.25
Tax	
Total	504.00
Disc	142.65
Total	713.25

Reference:	Pump Trk Chg	380.00
62	Pump Trk Mtg.	124.00
	Sub Total	504.00
	Tax	
	Total	504.00

Remarks: ~~MIX~~ 25 SKS went on casing will wait labor and try to try leaving fluid at 1875' Thank You!

\$ 570.60

Allied Cementing Co. Inc. By Philip Aminger

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

RELEASED

ORIGINAL

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

MAR 0 5 1992

**ALLIED CEMENTING CO., INC.**

No. 7221

Home Office P. O. Box 31

Russell, Kansas 67665

**CONFIDENTIAL**

*ness*

Date	1-10-91	Sec.	9	Twp.	19	Range	33	Called Out		On Location	2 AM	Job Start	11:51 AM	Finish	1 PM
Lease	Miller	Well No.	1-9	Location	Scott City 4W 4 1/2 E			County	Scott	State	KS				
Contractor	Warrior														
Type Job	Two stage (Top)														
Hole Size	7 7/8	T.D.	4755												
Csg.		Depth	4750												
Tbg. Size		Depth													
Drill Pipe		Depth													
Tool	Arrow Stage Collar	Depth	2269												
Cement Left in Csg.		Shoe Joint													
Press Max.	1500#	Minimum													
Meas Line		Displace	2												
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 Drilling Co., Inc.  
**Street** 224 E. Douglas Suite 530  
**City** Wichita **State** Ko. 67202

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

**Purchase Order No.**

*[Signature]*

**CEMENT**

**EQUIPMENT**

No.	Cementer	<i>Don</i>	<i>Jim</i>
Pumptrk 120	Helper		<i>[Signature]</i>
No.	Cementer		<i>Carl</i>
Pumptrk	Helper		
	Driver		<i>Mark</i>
Bulktrk			<i>Bourgardt</i>
Bulktrk	Driver		

**Amount Ordered** 450 50 8 9 gel 1/4 # fl seal

**Consisting of**

Common	225	5.25	1181.25
Poz. Mix	225	2.25	506.25
Gel.	36	6.75	243.00
Chloride			
Quickset			
Flo Seal 112	112	1.00	112.00
Sales Tax			

**DEPTH of Job**

Reference:	Pump truck	475.00
	<del>Construction</del>	
		7
	Sub Total	
	Tax	
	Total	475.00

**Handling** 450 1.00 450.00

**Mileage** 62 1.16 1116.00

**Sub Total** 3608.50

FEB 14 1991

**Total** 3608.50

**Remarks:**

Cement did Cure to Cellar

Allied Cementing Inc.  
 Ben Shaffer

**Floating Equipment** Wichita, Kansas

**TOTAL \$ 4083.50**

**Disc - 816.70**

**\$ 3266.80**

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

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

ORIGINAL

# ALLIED CEMENTING CO., INC. No. 7220

Home Office P. O. Box 31

Russell, Kansas 67665

CONFIDENTIAL

*new*

Date	1-10-91	Sec.	9	Twp.	19	Range	33	Called Out	11 PM	On Location	3 AM	8 AM	8:30 AM	9:25 AM	
Lease	Miller	Well No.	1-9	Location	Scott City			4 W 45 1/2 E	Scott	County	State	Mo			
Contractor	Warrior #2							Owner	Same						
Type Job	Production string Bottom							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 7/8	T.D.	4755												
Csg.	4 1/2	Depth	4750												
Tbg. Size		Depth													
Drill Pipe		Depth													
Tool		Depth													
Cement Left in Csg.	11	Shoe Joint	11.75												
Press Max.	800	Minimum													
Meas Line	X	Displace													
Perf.															

Charge To *Chief Drilling Co. Inc*  
 Street *224 E. Douglas Suite 530*  
 City *Wichita* State *Ko. 67202*  
 The above was done to satisfaction and supervision of owner, agent or contractor  
 Purchase Order No. \_\_\_\_\_  
*Key*  
**CEMENT**

**EQUIPMENT**

No.	Cementor	<i>Jim</i>
Pumptrk 120	Helper	<i>Carlye</i>
No.	Cementor	
Pumptrk	Helper	
	Driver	
Bulktrk 68	Driver	<i>Jack S.</i>

Amount Ordered	<i>200 lbs. 5% Gilsonite</i>	
Consisting of	<i>20 bbl w fr 2</i>	
Common	<i>200 ASC</i>	<i>7.25</i>
Per-Mix		
Gilsonite 1000	<i>.33</i>	<i>330.00</i>
Chloride		
Quickset		
WFR II - 840 lbs	<i>.50</i>	<i>420.00</i>
Sales Tax		
Handling	<i>200</i>	<i>1.00</i>
Mileage	<i>62</i>	<i>496.00</i>
TOTAL \$	<i>6283.00</i>	Sub Total
Disc -	<i>1256.60</i>	
\$	<i>5026.40</i>	Total

**DEPTH of Job**

Reference:	<i>Pump truck</i>	<i>880.00</i>
<i>62</i>	<i>milage</i>	<i>124.00</i>
	Sub Total	
	Tax	
	Total	<i>1004.00</i>

Floating Equipment

<i>1-4" Guide Shoe</i>	<i>109.00</i>
<i>1- " Insert (Paper)</i>	<i>169.00</i>
<i>5- " Centralizers</i>	<i>215.00</i>
<i>1- " Arrow Stage Collar</i>	<i>1890.00</i>

Remarks: *float did hold*

*Allied Cementing Inc*  
*Gene Shaffer*

STATE COMMISSION 2383.00

FEB 14 1991

CONSERVATION DIVISION  
 Wichita, Kansas