

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

Operator: License # 5885 SEP 2

Name: CHIEF DRILLING, INC. **CONFIDENTIAL**

Address 120 S. Market, #300

City/State/Zip Wichita, Kansas 67202

Purchaser: _____

Operator Contact Person: Douglas W. Thimesch

Phone (316) 262-3791

Contractor: Name: L. D. Drilling, Inc.

License: 6039

Wellsite Geologist: Kim Shoemaker

Designate Type of Completion

New Well Re-Entry Workover

- Oil SWD SIOW Temp. Abd.
- Gas ENHR SIGW
- Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

- Deepening Re-perf. Conv. to Inj/SWD
- Plug Back PBTD
- Commingled Docket No. _____
- Dual Completion Docket No. _____
- Other (SWD or Inj?) Docket No. _____

8-17-92 8-26-92 _____
 Spud Date Date Reached TD Completion Date

API NO. 15- 185-22863-6008 ORIGINAL

County STAFFORD

SE - SW - SW Sec. 20 Twp. 23S Rge. 13 E U

330 Feet from S/N (circle one) Line of Section

4660 Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name SCHULZ Well # 1-20

Field Name _____

Producing Formation _____

Elevation: Ground 1892' KB 1897'

Total Depth 4005' PBTD _____

Amount of Surface Pipe Set and Cemented at 255' Foot

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 cat.

Drilling Fluid Management Plan ALT 1 DR D&D
(Data must be collected from the Reserve Pit) 10-29-92

Chloride content 55m ppm Fluid volume 1285 bbls

Dewatering method used RELEASED

Location of fluid disposal if hauled offsite:

OCT 2 8 1993

Operator Name _____

Lease Name FROM CONFIDENTIAL License No. _____

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado
 Darby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well.
 Rule 82-3-130, 82-3-106 and 82-3-107 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 geologist well reports 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.

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 9-1-92

Subscribed and sworn to before me this 1st day of September, 19 92.

Notary Public *Betty M. Abbott*
Betty M. Abbott

Date Commission Expires January 22, 1995

10-28-92 RECEIVED
 K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Geologist Report Received
 DISTRIBUTION: MMHRS
 KCC _____ SWD/Rsp _____ NGPA
 KGS _____ PLUG _____ (Spud Date)
 SEP 9 1992
 CONSERVATION DIVISION
 WICHITA, KANSAS

Operator Name CHIEF DRILLING, INC.

Lease Name SCHULZ

Well # 1-20

Sec. 20 Twp. 23S Rge. 13

East

County Stafford

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 Yes No
 (Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy.)

List All E.Logs Run:

Log Formation (Top), Depth and Datum Sample
 Name Top Datum

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 1/4"	8 5/8"	20#	255'	60/40 Poz	160	2% Gel, 3% CC

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First, Resumed Production, SWD or In]. Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf.	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas: METHOD OF COMPLETION Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled

(If vented, submit ACO-18.)

ORIGINAL

RELEASED

Phone 913-483-2627, Russell; Kansas

SEP 2

OCT 20 1993

Phone Plainville 913-434-2812

Phone 316-793-5861, Great Bend, Kansas

CONFIDENTIAL FROM CONFIDENTIAL Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

3121

Home Office P. O. Box 31

Russell, Kansas 67665

New

8:30

Date	8-17-92	Sec.	23	Twp.	20	Range	13	Called Out	3 ⁰⁰ / _{PM}	On Location	4 ⁰⁰ / _{PM}	Job Start	8 ⁰⁰ / _{PM}	8 ³⁰ / _{PM}
Lease	Schubert	Well No.	# 1-20	Location		St John 21 2 1/2 N W 1/4		County	Stallford	State	KS			
Contractor	L. D. Drilling Ris # 1													
Type Job	Surface Pipe Job													
Hole Size	12 1/4	T.D.	255 #											
Csg	20 #	8 3/8	Depth	(255 #)										
Tbg. Size	Depth													
Drill Pipe	Depth													
Tool	Depth													
Cement Left in Csg.	15 #	Shoe Joint												
Press Max.	Minimum													
Meas Line	240 #	Displace	15.6 #/ft											
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 Co.
Street Box 240
City Herington State Mo. 67544

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

Purchase Order No. 1900

X Gene Jeff

CEMENT

Amount Ordered	160 #	38cc	22gal
Consisting of			
Common	96	5.50	528.00
Poz. Mix	64	2.50	160.00
Gel.	3	6.75	N/C
Chloride	5	21.00	105.00
Quickset			

EQUIPMENT

Used Bond

Pumptrk	No.	Cementor	Mike
	120	Helper	Dunne
Pumptrk	No.	Cementor	
		Helper	
		Driver	
Bulktrk	101	Driver	Yancy

DEPTH of Job 255 #

Reference:	Pump truck charge	380.00
	28 miles charge	56.00
	1 8 3/8 wooden plug	42.00
	Sub-Total	
	Tax	
	Total	478.00

Handling	160	1.00	160.00
Mileage	28		179.20
		Sub-Total	
		Total	1132.20

Remarks: Cement did circulate

Allied Cementing Co Inc

Floating Equipment

Total \$ 1610.20

Disc = 322.04

RECEIVED
CONSERVATION COMMISSION
SEP 9 1992
1288, 16
CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

RELEASED

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

SEP 2

OCT 20 1993

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

ALLIED CEMENTING CO., INC.

2529

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
8-26-92	20	23	13	2:00 AM	4:00 AM	5:30 AM	7:30 AM
Lease Schultz	Well No. 1-20	Location ST JOHN 2N-2W N/4E		579		County Ford	State KS

Contractor	LD Drilling Inc
Type Job	Rotary Plug
Hole Size	12 1/4
Csg.	8 5/8
Tbg. Size	
Drill Pipe	
Tool	
Cement Left in Csg.	
Press Max.	
Meas Line	
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 Co Inc
Street	Box 240
City	Haisington State KS 67544
The above was done to satisfaction and supervision of owner agent or contractor.	
Purchase Order No.	
X	W. A. Davidson

EQUIPMENT

# No.	Cementer	Helper
Pumptrk 195	Don H	Kent
No.	Cementer	Helper
Pumptrk		
	Driver	
Bulktrk #101		Duane
Bulktrk	Driver	

CEMENT		
Amount Ordered	125 SK	6 1/4 6% Gel
Consisting of		
Common	75	51.50 412.50
Poz. Mix	50	2.50 125.00
Gel.	8	6.75 54.00
Chloride		
Quickset		
Handling	125	1.00 125.00
Mileage	28	140.00
Sub-Total		
Total		856.50

DEPTH of Job		
Reference:	Pump truck	380.00
28	mileage	56.00
1	wooden Plug	20.00
	Sub-Total	
	Total	456.00

Floating Equipment
 Total 1312.50
 Disc - 262.50
 \$1050.00
 RECEIVED
 BY Allied Cementing
 THANKS
 SEP 9 1992
 CONSERVATION DIVISION
 Wichita, Kansas
 Don [Signature]

Remarks:
 820' 50 SK
 280' 50 SK
 40' 10 SK
 Rat Hole 15 SK

ORIGINAL

Chief Drilling, Inc. (Op. #5886)
120 S. Market, #300
Wichita, Kansas 67202

#1-20 Schulz
API #15-185-22,863
SE SW SW
Sec. 20-23S-13W
Stafford Co., Kansas

SEP 2
CONFIDENTIAL

ACO-1 ATTACHMENT SHEET

FORMATION TOPS:

Anhydrite	781	+1116
Base/Anhy	805	+1092
Heebner	3344	-1447
Brown Lime	3482	-1585
Lansing	3502	-1605
BKC	3742	-1845
Viola	3868	-1971
Simpson Shale	3906	-2009
Arbuckle	3966	-2069
RTD	4006	-2109

LOG TOPS:

Heebner	3345	-1448
Brown Lime	3481	-1584
Lansing	3504	-1607
BKC	3737	-1840
Viola	3868	-1971
Simpson Shale	3904	-2007
Arbuckle	3960	-2060

DST #1 3510-3536 (Lans. "B")

Strong blow immediately off bottom of bucket. 30-30" 30-30" Rec. 620' gas in pipe, 92' oily mud (43% oil) FP 80/80# 89/89#, BHP 223/267#

RELEASED

OCT 2 0 1993

DST #2 3556-3580 (Lans. "E" & "F")

Wk surface blow. 30-30" 30-30" Rec. 40' mud w/oil spks on top of tool. FP 110/110# 110/110# BHP 1089/1089#

FROM CONFIDENTIAL

DST #3 3618-3678 (Lans. "H", "I", "J")

Blow off bottom of bucket in 10" 30-45" 60-60", Rec. 60' gas in pipe, 120 muddy oil & water (19% oil & 17% filtrate water) IF 89/89# 107/107#, BHP 625/804#

DST #4 3684-3705

Misrun - Tool did not open

DST #5 3684-3705

Misrun - Tool did not open

DST #6 3686-3725 (Lans. "K")

30-45" 60-60", Wk blow slowly increase on 1st opening. Surface blow thru-out on 2nd. Rec. 40' drlg. mud w/few oil spks, some free oil on top of tool. FP 67/67# 67/67#, BHP 1390/1211#

Testing Viola & Simpson Sand @ 3945'

DST #7 3880-3945 (Viola & Simp. Sd.)

1/2" blo died 17", 2nd open - no blow. 30-30" 30-30" Rec. 15' mud, few spks oil. FP 76/74#, 76/76# BHP 89/78#

RECEIVED
STATE CORPORATION COMMISSION

SEP 9 1993

CONSERVATION DIVISION
WICHITA, KANSAS

EFFECTIVE DATE: 8-18-93

State of Kansas

Mail

FORM MUST BE SIGNED ALL BLANKS MUST BE FILLED

DISTRICT # 1
39A7 X Yes No

NOTICE OF INTENTION TO DRILL

Must be approved by the K.C.C. five (5) days prior to commencing well

Expected Spud Date August 15, 1992
month day year

SE SW SW Sec 20 Twp 23 S, Rg 13 East West

OPERATOR: License # 5886
Name: Chief Drilling, Inc.
Address: 120 S. Market, #300
City/State/Zip: Wichita, Kansas 67202
Contact Person: Douglas W. Thimesch
Phone: 316.262-3791

SEP 2

330 FSL feet from South / North line of Section
4290 FEL feet from East / West line of Section
15 SECTION X REGULAR IRREGULAR?

(NOTE: Locate well on the Section Plat on Reverse Side)
County: Stafford
Lease Name: Schulz Well #: 1-20
Field Name:

CONTRACTOR: License #: 6039
Name: L D Drilling, Inc.

Is this a Prorated/Spaced Field? yes X no
Target Formation(s): Arbuckle
Nearest lease or unit boundary: 330'

Well Drilled For: Well Class: Type Equipment:
X Oil Enh Rec Infield X Mud Rotary
Gas Storage Pool Ext. Air Rotary
O/W/O Disposal X Wildcat Cable
Seismic: # of Holes Other

Ground Surface Elevation: 1578 ft MSL
Water well within one-quarter mile: yes X no
Public water supply well within one mile: yes X no
Depth to bottom of fresh water: 160'

If O/W/O: old well information as follows:
Operator:
Well Name:
Comp. Date: Old Total Depth

Surface Pipe by Alternate: 1725'
Length of Surface Pipe Planned to be set: 225'
Length of Conductor pipe required: none
Projected Total Depth: 3950'
Formation at Total Depth: Mississippi
Water Source for Drilling Operations:
... well ... farm pond X other

Directional, Deviated or Horizontal wellbore? yes X no
If yes, true vertical depth:
Bottom Hole Location:

Permit #:
Will Cores Be Taken? yes X no
If yes, proposed zone:

RELEASED

UCY 20 1993

FROM CONFIDENTIAL

AFFIDAVIT

alt. I ONLY

The undersigned hereby affirms that the drilling, completion and eventual plugging of this well will comply with K.S.A. 55-101, et. seq.
It is agreed that the following minimum requirements will be met:

- 1. Notify the appropriate district office prior to spudding of well;
- 2. A copy of the approved notice of intent to drill shall be posted on each drilling rig;
- 3. The minimum amount of surface pipe as specified below shall be set by circulating cement to the top; in all cases surface pipe shall be set through all unconsolidated materials plus a minimum of 20 feet into the underlying formation;
- 4. If the well is dry hole, an agreement between the operator and the district office on plug length and placement is necessary prior to plugging;
- 5. The appropriate district office will be notified before well is either plugged or production casing is cemented in;
- 6. IF AN ALTERNATE II COMPLETION, PRODUCTION PIPE SHALL BE CEMENTED FROM BELOW ANY USABLE WATER TO SURFACE WITHIN 120 DAY OF SPUD DATE. IN ALL CASES, NOTIFY DISTRICT OFFICE PRIOR TO ANY CEMENTING.

I hereby certify that the statements made herein are true and to the best of my knowledge and belief.
Date: 8-6-92 Signature of Operator or Agent: Michael C. Rowe, Jr. Title: Controller

FOR KCC USE:
API # 15- 185-22863
Conductor pipe required None feet
Minimum surface pipe required 200 feet per Alt. 1 X
Approved by: C.B. 8-13-92
This authorization expires: 2-13-93
(This authorization void if drilling not started within 6 months of effective date.)
Spud date: Agent:

RECEIVED
STATE CORPORATION COMMISSION
Wichita, Kansas
AUG 7 1992
OCT 20 1992

MAILED
AUG 15 1992
CONSERVATION DIVISION
Wichita, Kansas

REMEMBER TO:

- File Drill Pit Application (form CDP-1) with Intent to Drill;
- File Completion Form ACO-1 within 120 days of spud date;
- File acreage attribution plat according to field prorations orders;
- Notify appropriate district office 48 hours prior to workover or re-entry;
- Submit plugging report (CP-4) after plugging is completed;
- Obtain written approval before disposing or injecting salt water.

Mail to: Conservation Division, 200 Colorado Derby Building, 202 W. First St., Wichita, Kansas 67202-1286.

20
23
13

Chief Drilling, Inc. (Op. #5886)
120 S. Market, #300
Wichita, Kansas 67202

SEP 2
CONFIDENTIAL

#1-20 Schulz
API #15-185-22,863
SE SW SW
Sec. 20-23S-13W
Stafford Co., Kansas
RELEASED

ACO-1 ATTACHMENT SHEET

OCT 2 0 1993

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SEP 9 1992

CONSERVATION DIVISION
Wichita, Kansas