

ORIGINAL

RELEASED

SIDE ONE

JAN 28 1991

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

Operator: License # 5886Name: Chief Drilling Co., Inc.Address 224 E. Douglas, #530City/State/Zip Wichita, KS 67202Purchaser: n/aOperator Contact Person: Douglas W. ThimeschPhone (316) 262-3791Contractor: Name: Warrior Drilling Co.License: 5883Wellsite Geologist: Ron Dulos

Designate Type of Completion

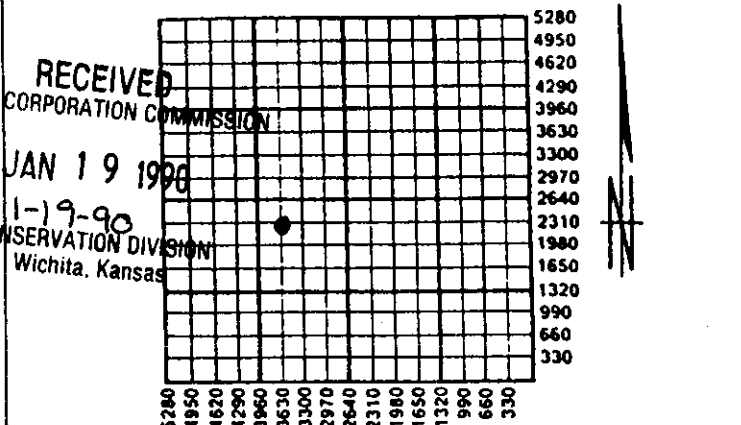
☒ New Well ☐ Re-Entry ☐ Workover☐ Oil ☐ SWD ☐ Temp. Abd.☐ Gas ☐ Inj ☐ Delayed Comp.☒ Dry ☐ Other (Core, Water Supply, etc.)

If OWM: old well info as follows:

Operator: _____

Well Name: _____

Date _____ Old Total Depth _____

Drilling Method:
☒ Mud Rotary ☐ Air Rotary ☐ Cable1-2-90 1-11-90 1-11-90
Spud Date Date Reached TD Completion DateAPI NO. 15- 101-21,539-0000 FROM CONFIDENTIALCounty LaneNW NE SW Sec. 21 Twp. 18S Rge. 30 ☒ East West2310 Ft. North from Southeast Corner of Section3630 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)Lease Name Steele Well # 1Field Name WildcatProducing Formation noneElevation: Ground 2882 KB 2889Total Depth 4660 PBTD ----Amount of Surface Pipe Set and Cemented at 288 FeetMultiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from n/afeet depth to --- w/ --- sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby, Kansas, 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 Pres. Exploration Date 1-18-90

Subscribed and sworn to before me this 18 day of January,
19 90.

Notary Public Betty M. Abbott

Date Commission Expires January 22, 1991
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)		

Form ACO-1 (7-89)

SIDE TWO

Operator Name Chief Drilling Co., Inc. Lease Name Steele Well # 1Sec. 21 Twp. 18S Rge. 30
☐ East
☒ WestCounty Lane

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

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Name

Top

FROM CONFIDENTIAL

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	10 1/4	8 5/8	20#	288'	60/40 pozmix	160	3% c.c 2% gel

PERFORATION RECORD

Shots Per Foot 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 Production

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
(If vented, submit ACO-18.)☐ Open Hole ☐ Perforation ☐ Dually Completed ☐ Commingled
☐ Other (Specify) _____

ORIGINAL

15-101-21539-0000

ACO-1 Attachment Sheet

Chief Drilling Co., Inc.
 #1 Steele
 NW NE SW, Sec. 21-18S-30W
 Lane County, Kansas

RELEASED

JAN 28 1991

FROM CONFIDENTIAL

RELEASED

JAN 28 1991

FORMATION ~~FROM~~ CONFIDENTIAL

DST #1 4124-4165 (Lans. 140 zone)
 Strong blow off bottom in 12 min.
 30-30" 60-45", Rec. 1350' water
 Chlorides 28,000, FP 80-178#,
 223-580#, BHP 983-580#

DST #2 4265-4332 (220' & Pleas. zone)

Wk blo, died 30" 30-30" 30-30"
 Rec. 40' mdy wtr. chlorides 31,000
 FP 89-89#, 89-89#, BHP 1028-983#

DST #3 4324-4450 (Marm. & U. Pawnee)

Wk blo, died in 30" 30-30" 30-30"

Rec. 50' mdy wtr. Chlorides 29,000

FP 80-80# 80-80#, BHP 1119-1119#

DST #4 4443-4590 (Lower Pwn., Ft. Scott & Cherokee)

Wk blo died 30" 30-30" 30-30"

Rec. 100' mdy wtr. chlorides 37,000

FP 80-80#, 89-89#, BHP 1119-1074#

Anhydrite	2220 + 669
Base/Anhy	2239 + 650
Heebner	3903 -1014
Lansing	3946 -1057
Muncie Creek	4124 -1235
Stark	4224 -1335
Hushpuckney	4265 -1376
BKC	4308 -1419
Marmaton	4340 -1451
Pawnee	4434 -1545
Ft Scott	4484 -1595
Cherokee	4506 -1617
Mississippi	4579 -1690
RTD	4660 -1771

LOG TOPS:

Anhydrite	2219 + 670
Base/Anhy	2236 + 653
Heebner	3905 -1016
Lansing	3946 -1057
Muncie Creek	4124 -1235
Stark	4223 -1334
Hushpuckney	4268 -1379
BKC	4308 -1419
Marmaton	4340 -1451
Pawnee	4436 -1547
Ft Scott	4483 -1594
Cherokee	4508 -1619
Mississippi	4580 -1691
LTD	4661 -1772

RECEIVED

STATE CORPORATION COMMISSION

JAN 19 1990

1-19-90

CONSERVATION DIVISION
 Wichita, Kansas

JAN 22 1990
 KANSAS GEOLOGICAL SURVEY
 WICHITA BRANCH

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31

RUSSELL, KANSAS 67665

TO: Chief Drilling Company, Inc.

INVOICE NO. 55608

1200 N. Vine

PURCHASE ORDER NO.

Heisington, Ks. 67544

LEASE NAME Steele #1

DATE Jan. 2, 1990

SERVICE AND MATERIALS AS FOLLOWS:

Common 96 sks @\$5.00

\$ 480.00

Pozmix 64 sks @\$2.25

144.00

Gel 3 sks @\$6.75

20.25

Chloride 5 sks @\$20.00

100.00

\$ 744.25

Handling 160 sks @\$0.90

144.00

Mileage (40) @\$0.03¢ per sk per mi

192.00

Surface

360.00

M1 @\$1.00 pmp. trk.

40.00

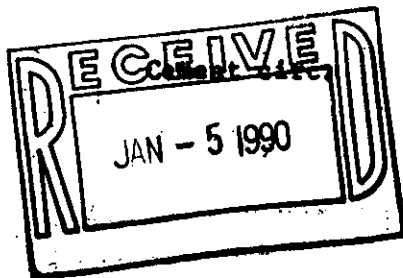
1 plug

40.00

776.00

Total

\$ 1,520.25



THANK YOU

ALL PRICES ARE NET. PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1% PERCENT CHARGED THEREAFTER

RECEIVED
STATE CORPORATION COMMISSION

JAN 19 1990

1-19-90
CONSERVATION DIVISION
Wichita, Kansas

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

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

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

No. 6808

New

Date	1-2-90	Sec.	21	Twp.	18	Range	30	Called Out	9:30AM	On Location	12:15PM	Job Start	1:45PM	Finish	2:15PM
Lease	Steele	Well No.	1	Location	Amy 2W-25					County	Lane	State	Ks		
Contractor	Warriner														
Type Job	Surface														
Hole Size	12 1/4"		T.D.	289'											
Csg.	8 3/4" (20')		Depth	289'											
Tbg. Size			Depth												
Drill Pipe			Depth												
Tool			Depth												
Cement Left in Csg.	15'		Shoe Joint												
Press Max.			Minimum												
Meas Line			Displace	178 BBL											
Perf.															

EQUIPMENT

Pumptrk	No.	Cementer	Mike
	46	Helper	
Pumptrk	No.	Cementer	Gary
		Helper	
Bulktrk	96	Driver	Ben
		Driver	

DEPTH of Job

Reference:	Pump Jack Chg	360.00
	Pump Jack Mileage	40.00
	TWP	40.00
	Sub Total	
	Tax	
	Total	440.00

Remarks: Cement Died Circulate
3 BBL Cement
Thank you

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 1200 N. Vine
City Hoisington State Ks. 67544
The above was done to satisfaction and supervision of owner agent or contractor

Purchase Order No.

X Marion Burris

CEMENT

Amount Ordered	160 60/40.223		
Consisting of			
Common	96	5.00	480.00
Poz. Mix	64	2.25	144.00
Gel.	3	6.75	20.25
Chloride	5	20.00	100.00
Quickset			

Sales Tax

Handing RECEIVED
STATE CORPORATION COMMISSION
Mileage 40

JAN 19 1990
1-19-90
CONSERVATION DIVISION
Wichita, Kansas
Floating Equipment

Sub Total

Total

Total \$ 1520.25

Disc - 228.04

\$ 1292.21

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31

RUSSELL, KANSAS 67665

TO: Chief Drilling Company
1200 N. Vine
Hoisington, Ks. 67544

INVOICE NO. 55675
PURCHASE ORDER NO. _____
LEASE NAME Steele #1
DATE Jan. 11, 1990

SERVICE AND MATERIALS AS FOLLOWS:

Common 123 sks @\$5.00
Pozmix 82 sks @\$2.25
Gel 12 sks. @\$6.75

\$ 615.00
184.50
81.00

\$ 880.50

Handling 205 sks @\$0.90
Mileage (40) @\$0.03¢ per sk per mi
Plugging
Mi @\$1.00 pmp. trk.
1 plug

184.50
246.00
450.00
40.00
20.00

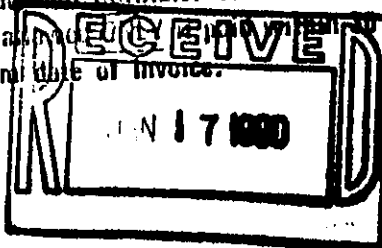
940.50

Total

\$ 1,821.00

50 sks. @2240'
80 sks. @1370'
40 sks. @ 320'
10 sks. @ 40'
15 sks. in R. H.
10 sks. in M. H.

If account CURRENT 15% discount will
be applied if paid within 30 days
from date of invoice.



THANK YOU

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1% PERCENT CHARGED THEREAFTER

RECEIVED
STATE CORPORATION COMMISSION

JAN 19 1990
1-19-90
CONSERVATION DIVISION
Wichita, Kansas

ALLIED CEMENTING CO., INC. N^o 8182

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

NEW

Date 1-11-890	Sec. 21	Twp. 18	Range 30	Called Out 4:30PM	On Location 6:15PM	Job Start 7:15PM	Finish 9:30PM
Lease STEELE	Well No. 1	Location AMY 2W, 1 1/2 S			County LANE	State KS	
Contractor WARRIOR				Owner CHIEF			
Type Job ROTARY PLUG							
Hole Size 7 7/8		T.D. 4660'					
Csg.		Depth					
Tbg. Size		Depth					
Drill Pipe 4 1/2 XH		Depth 2240'					
Tool		Depth					
Cement Left in Csg.		Shoe Joint					
Press Max.		Minimum					
Meas Line		Displace					
Perf.							

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	1200 N. Vine
City	Hoisington State KS 67544
The above was done to satisfaction and supervision of owner agent or contractor.	
Purchase Order No.	
x	Marvin Bursis

CEMENT

Amount Ordered	205 60/40 6% GEL
Consisting of	
Common	12.3 5.00 615.00
Poz. Mix	8.2 2.25 184.50
Gel.	1.2 6.75 81.00
Chloride	
Quickset	

NESS

EQUIPMENT

No.	Cementor	
# Pumptrk 158	Helper	
No.	Cementor	
Pumptrk	JAYSON	
	Helper KRIS	
# 96	Driver BILL	
Bulktrk		
Bulktrk	Driver	

DEPTH of Job

Reference:	PUMP TRK CHRG.	450.00
	MILEAGE	40.00
	1 8 1/2 D.H. PLUG	20.00
	Sub Total	
	Tax	
	Total	510.00

Remarks:

50SX - 2240'
80SX - 1370'
40SX - 320'
10SX - 40'
15SX - R.H.
10SX - M.H.

THANK YOU.

Handling	20.5	90	184.50
Mileage	RECEIVED		246.00
STATE CORPORATION COMMISSION			
JAN 19 1990		Sub Total	
1-15-90			
CONSERVATION DIVISION		Total	1311.00
Floating Equipment Kansas			

TOTAL \$ 1821.00
Disc - 273.15

\$ 1547.85