

ORIGINAL

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

API NO. 15- 135-23,796-0000  
County Ness  
150' E & 150' N  
- - - SE - SE Sec. 33 Twp. 19 Rge. 23 X W

Operator: License # 5418

810' Feet from (S) (circle one) Line of Section

Name: ALLEN DRILLING COMPANY

510' Feet from (E) (circle one) Line of Section

Address 6565 S. Dayton, Suite 3800  
Englewood, CO 80111

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

City/State/Zip \_\_\_\_\_

Lease Name CROSSWHITE Well # 1-33

Purchaser: D & A

Field Name Wildcat

Operator Contact Person: Doug Hoisington

Producing Formation D&A

Phone ( 303 ) 799-6660

Elevation: Ground 2257' KB 2262'

Contractor: Name: ALLEN DRILLING COMPANY

Total Depth 4500' PBTD --

License: 5418

Amount of Surface Pipe Set and Cemented at 791 Feet

Wellsite Geologist: Richard P. O'Donnell

Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion  
X New Well Re-Entry Workover

If yes, show depth set N/A Feet

Oil SWD S10W Temp. Abd.  
Gas ENHR S1GW  
X Dry Other (Core, WSW, Expl., Cathodic, etc.)

If Alternate II completion, cement circulated from --

feet depth to -- w/ -- sx cnt.

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

Drilling Fluid Management Plan D&A 4.594  
(Data must be collected from the Reserve Pit)

Operator: N/A

Chloride content 22,000 ppm Fluid volume 400 bbls

Well Name: --

Dewatering method used Air dry

Comp. Date -- Old Total Depth --

Location of fluid disposal if hauled offsite:

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

Operator Name N/A

Lease Name CROSSWHITE License No. --

12/19/93 12/29/93 12/29/93

Spud Date 12/19/93 Date Reached TD 12/29/93 Completion Date 12/29/93

County Ness Sec. 33 Twp. 19 S Rng. 23 E/W

Docket No. --

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby 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 report 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.

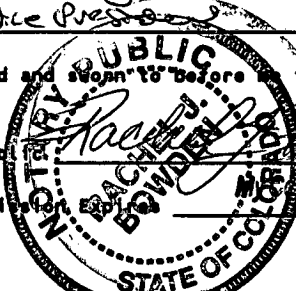
Signature Doug Hoisington

Title Vice President Date Jan 10, 1994

Subscribed and sworn to before this 10th day of January, 1994.

Notary Public Richard P. O'Donnell

Date Commission Expires June 15, 1998



K.C.C. OFFICE USE ONLY  
F Letter of Confidentiality Attached  
C Wireline Log Received  
C Geologist Report Received  
Distribution  
KCC SWD/Rep NGPA  
KGS Plug Other  
(Specify)

Operator Name **ALLEN DRILLING COMPANY**

SIDE TWO

Lease Name CROSSWHITE Well # 1-33

Sec. 33 Twp. 19 Rge. 23

East  
 West

County Ness

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.)

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

See attached

List All E.Logs Run:

SDL/DSN  
DIL

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"	24#	791'	60/40poz	340	2%gel 3%cc

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<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		Acid, Fracture, Shot, Cement Squeeze Record	
	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, Resumed Production, SWD or Inj. 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:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) D & A Production Interval \_\_\_\_\_

FORMATION LOG TYPES

API# 15-135-23 79 6-0000 ORIGINAL

Anhydrite	1510'	(+ 752)
Heebner Shale	3722'	(-1460)
Toronto	3740'	(-1478)
Lansing/K.C.	3770'	(-1508)
Base/K.C.	4086'	(-1824)
Pawnee	4202'	(-1940)
Labette Shale	4276'	(-2014)
Ft. Scott	4284'	(-2022)
Cherokee Shale	4309'	(-2047)
Basal Cherokee Sandstone	Absent	---
Mississippian	4395'	(-2133)

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CONSERVATION DIVISION  
Wichita, Kansas

15-135-23796-0000

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

ORIGINAL

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

**ALLIED CEMENTING CO., INC.**

1169

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date 12/29/93	Sec. 33	Twp. 19	Range 23W	Called Out 4:30	On Location 8:15 PM	Job Start 9:45	Finish
Lease Crosswhite	Well No. 1-33	Ness City Location	S 1 E	Ness County	Ks State		

Contractor Co. Tools	Owner Same
Type Job Rotary Plug	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. 4500'
Csg. 8 5/8	Depth 791'
Tbg. Size	Depth
Drill Pipe	Depth
Tool	Depth
Cement Left in Csg.	Shoe Joint
Press Max.	Minimum
Meas Line	Displace
Perf.	

Charge To Allen Drilling Co.	
Street	
City	State
The above was done to satisfaction and supervision of owner agent or contractor.	
Purchase Order No.	
X	

**EQUIPMENT**

No.	Cementer	Gary
Pumptrk 224	Helper	Mike
No.	Cementer	
Pumptrk	Helper	
	Driver	Bill
Bulktrk 69	Driver	

<b>CEMENT</b>	
Amount Ordered	125 60/40 60/60 Gel
Consisting of	
Common	
Poz. Mix	
Gel.	
Chloride	
Quickset	
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Handling	Sales Tax
Mileage	
RECEIVED STATE CORPORATION COMMISSION JAN 15 1994	
Floating Equipment	Sub Total
	Total

**DEPTH of Job**

Reference:	Pump Truck	
	Mileage	
	8 5/8" OHP	
	Sub Total	
	Tax	
	Total	

Remarks: 50 sx @ 1545'  
 50 " " 820'  
 10 " " 40"  
 15 " " RH

Thank you



# JOB SUMMARY

HALLIBURTON DIVISION Midcontinent 15-135-23796-0000  
 HALLIBURTON LOCATION MOSS CITY BILLED ON TICKET NO. 213202

## WELL DATA

FIELD \_\_\_\_\_ SEC. 33 TWP. 19 RNG. 23 COUNTY MOSS STATE LS

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
 FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
 INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
 PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
 COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_  
 PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_  
 BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
 MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING			8 1/2	0	791.2	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

## JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>12-18-93</u>	DATE <u>12-18</u>	DATE <u>12-18</u>	DATE <u>12-18-93</u>
TIME <u>16:00</u>	TIME <u>17:00</u>	TIME <u>23:00</u>	TIME <u>12:30</u>

## TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

## PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>T. Henry</u>		
<u>21114</u>	<u>33204</u>	<u>MOSS CITY</u>
<u>51007</u>		
<u>50252</u>		
<u>26101</u>		

## MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API  
 DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
 ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
 ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
 ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
 SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN  
 NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN  
 FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
 GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
 FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
 BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
 BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_  
 PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
 OTHER \_\_\_\_\_  
 OTHER \_\_\_\_\_

DEPARTMENT MOSS CITY  
 DESCRIPTION OF JOB see Job Log  
 JOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN.

CUSTOMER REPRESENTATIVE X Mike Ke  
 HALLIBURTON OPERATOR T. Henry COPIES REQUESTED 1

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIONS	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>340</u>		<u>40/11 B</u>	<u>220001</u>		<u>1.20</u>	<u>13.91</u>

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 Wichita, Kansas

## PRESSURES IN PSI

## SUMMARY

## VOLUMES

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH: BBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_  
 BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_  
 AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL: BBL.-GAL. \_\_\_\_\_  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN. \_\_\_\_\_ CEMENT SLURRY: BBL.-GAL. 28.2  
 HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_  
 ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
 AVERAGE RATES IN BPM \_\_\_\_\_  
 TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET \_\_\_\_\_ REASON \_\_\_\_\_

## REMARKS

10 bags slurry TB part  
4000 Return

CUSTOMER MOSS CITY  
 LEASE MOSS CITY  
 WELL NO. 15-135-23796-0000  
 JOB TYPE MOSS CITY  
 DATE 12-18-93

**JOB LOG FORM 2013 R-4**

CUSTOMER <b>Allen Dr</b>	WELL NO. <b>1-33</b>	LEASE <b>Crosswhite</b>	JOB TYPE <b>Surface</b>	TICKET NO. <b>119232</b>
-----------------------------	-------------------------	----------------------------	----------------------------	-----------------------------

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	5:30 PM							on Loc Rig AT 710 FT TC 295. 340SK 40/60 241 (bbl.) Disp 49 Bbls Leak 20 FT in MP Break circulation
	11:00							Mix cement
	11:20		286					SHUT DOWN
	11:21							Release Plug
	11:23		0					START Displacement
	11:30		49					Plug Down Good Returns 10 Bbls Slurry to AT Wash up
	12:30							Job complete Thank you B. G. G. E.

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Wichita, Kansas





TICKET CONTINUATION

COPY

TICKET No. 11000000

HALLIBURTON ENERGY SERVICES

CUSTOMER: Allen Drilling  
 WELL: Crosswhite #1-33  
 DATE: 12-19-93  
 PAGE: 2 OF 2

FORM 1911 R-9

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
504-136	ORIGINAL	2			B 40/60 Pozmix Standard	340				5 68	1,931
506-121		21			B Isk Halliburton Gel@2%						
509-406		2			B Calcium Chloride Blended	3				28 25	226
500-207		2		B	SERVICE CHARGE					1 35	445
500-306		2		B	MILEAGE CHARGE					95	140
					TOTAL WEIGHT	29,864		LOADED MILES		10	
					CUBIC FEET	356		TON MILES		148.320	

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CONTINUATION TOTAL 2,743.

15-135-23796-0000