

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

API NO. 15- 119-20,931-0000

ORIGINAL

County MEADE

NE - SE Sec. 29 Twp. 32S Rge. 29 E

Operator: License # 5422

1980 Feet from X (circle one) Line of Section

Name: ABERCROMBIE DRILLING, INC.

660 Feet from W (circle one) Line of Section

Address 150 N. Main, Suite 801

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

City/State/Zip Wichita, KS 67202

Lease Name ROBERTS Well # 1

Purchaser: N/A

Field Name Angell

Operator Contact Person: Jerry Langrehr

Producing Formation None

Phone (316) 262-1841

Elevation: Ground 2694' K3 2699'

Contractor: Name: ABERCROMBIE RTD, INC.

Total Depth 5800' PSTD

License: 30684

Amount of Surface Pipe Set and Cemented at 1538 Feet

Wellsite Geologist: Terry E. McLeod

Multiple Stage Cementing Collar Used? Yes No

Designate Type of Completion
 New Well Re-Entry Workover

If yes, show depth set Feet

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

If Alternate II completion, cement circulated from

feet depth to w/ ex cnt.

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

Drilling Fluid Management Plan D&A 9/2 5-16-95
(Data must be collected from the Reserve Pit)

Operator:

Chloride content 7800 ppm Fluid volume 1500' bbls

Well Name:

Dewatering method used evaporation

Comp. Date Old Total Depth

Location of fluid disposal if hauled offsite:

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

Operator Name

Lease Name License No.

Quarter Sec. Twp. Rng. E/W

County Docket No.

09-27-94 10-08-94 10-19-94
Spud Date Date Reached TD Completion Date

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-3 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 Jack H. Wharton

Title Vice Pres. Date

Subscribed and sworn to before me this 24th day of October 19 94.

Notary Public Sandra C. McCaig

Date Commission Expires 1-31-98

SANDRA C. MCCAIG
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 1-31-98

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Logs Received
C STATE CORPORATION COMMISSION
Geologist Report Received
10-25-94
10-22-94
 KCC SWD Rep KCPA
 KGS Plug Other
CONSERVATION DIVISION (Specify)
WICHITA, KANSAS

Operator Name A ABERGROMBIE DRILLING, INC. Lease Name ROBERTS Well # 1
JAVIQUO East County MEADE
 Sec. 29 Twp. 32S Rge. 29 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:

(See Attached)

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

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		8 5/8"	24#	1538'	65/35 Posmix Class A	525 200	6% gel 3% cc 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 RECORDS - 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
				<input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. D&A Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	N/A	N/A	N/A		

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval _____

ORIGINAL

ROBERTS #1

NE-SE

Sec. 29-32-29W

MEADE CO., KS

API #15-119-20931

DST #1 5602'-5663' (Mor Sand)

30-30-30-60

Weak blow increasing to strong 2nd open

Recovered 590' gas in pipe, 40' mud

IFP 39-39 ISIP 133

FFP 42-42 FSIP 390

DST #2 5622' - 5868' (Lower Morrow Sand)

30-45-60-45

Weak blow increasing to strong in 53 min.

Recovered 230' gas in pipe

Recovered 130' mud

IFS 58-67 ISIP 508

FFP 74-98 FSIP 513

ELECTRIC LOG TOPS

HEBNER	4398' (-1699')
TORONTO	4420' (-1721')
LANSING	4518' (-1819')
BKC	5126 (-2427')
MARMATON	5160' (-2461')
NOVINGER	5227 (-2525')
	(2' Zone)
CHEROKEE SHALE	5326' (-2627')
MORROW SHALE	5626' (-2927')
MORROW SAND	5675' (-2676')
	(8' SD)
MISS CHEROKEE	5703' (-3004')
ELTD	5799'
RTD	5800'

RECEIVED
STATE CORPORATION COMMISSION

OCT 25 1994

REGISTRATION DIVISION
STATE CORPORATION COMMISSION

ALLIED CEMENTING CO., INC. 0000768

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Medicine Lodge

DATE: <i>10/8/94</i>	SEC: <i>29</i>	TWP: <i>32S</i>	RANGE: <i>29W</i>	CALLED OUT: <i>2:00 PM</i>	ON LOCATION: <i>4:30 AM</i>	JOB START: <i>6:00 AM</i>	JOB FINISH: _____
LEASE: <i>Roberts</i>	WELL #: <i>1</i>	LOCATION: <i>Medicine 9W 3S 21E S1S</i>			COUNTY: <i>Medicine</i>	STATE: <i>KS</i>	

OLD OR NEW (Circle one)

ORIGINAL

CONTRACTOR: *Abercrombie BTD #5*

OWNER: *Same*

TYPE OF JOB: *Rotary Plug*

CEMENT:

HOLE SIZE: *7 7/8* TD: *5800*

AMOUNT ORDERED:

CASING SIZE _____ DEPTH _____

135 sks 6 1/4' 69 gal

TUBING SIZE _____ DEPTH _____

DRILL PIPE: *4 1/2 16.60* DEPTH: *1560*

TOOL _____ DEPTH _____

PRES. MAX: *150* MINIMUM: *25*

COMMON _____ @ _____

MEAS. LINE _____ SHOE JOINT _____

POZMIX _____ @ _____

CEMENT LEFT IN CSG. _____

GEL _____ @ _____

PERFS. _____

CHLORIDE _____ @ _____

EQUIPMENT

PUMP TRUCK CEMENTER: *Max Hall*

234 HELPER: *Justin Hart*

BULK TRUCK _____

256 DRIVER: *Mark Brungardt*

BULK TRUCK _____

_____ DRIVER _____

HANDLING _____ @ _____

MILEAGE _____ @ _____

TOTAL _____

REMARKS:

SERVICE

*Plug well thru Drill pipe Spot Plug
5 sks @ 1560' 5 sks @ 550'
10 sks @ 34' 10 sks in Mouse hole
15 sks in Rat Hole*

DEPTH OF JOB: *1560*

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE: *11* @ _____

PLUG _____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

CHARGE TO: *Abercrombie Drilling*

STREET _____

FLOAT EQUIPMENT

CITY _____ STATE _____ ZIP _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

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 is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE: *W. C. Craig*

ALLIED CEMENTING CO., INC. 00757

REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665 SERVICE POINT: Medicine Lodge

DATE <u>7/28/94</u>	SEC. <u>29</u>	TWP. <u>32S</u>	RANGE <u>29W</u>	CALLED OUT <u>9:30 AM</u>	ON LOCATION <u>12:30 PM</u>	JOB START <u>7:45 PM</u>	JOB FINISH <u>10:00 PM</u>
LEASE <u>Roberts</u>	WELL # <u>1</u>	LOCATION <u>Medicine 9W 3S 34E S15</u>			COUNTY <u>Medicine</u>	STATE <u>KS</u>	

OLD OR NEW (Circle one)

CONTRACTOR Abercrombie #5 OWNER Sam

TYPE OF JOB Cmt 9/8 Surface CSG CEMENT

HOLE SIZE 12 1/4" ID T.D. 1540 AMOUNT ORDERED:

CASING SIZE 9 5/8 24# DEPTH 1538 525 lbs 65/35 1 3/4" coal 1 3/4" Flt Seal

TUBING SIZE _____ DEPTH _____ 200 lbs Class A + 2 1/2" coal 1 3/4" coal

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX 950 MINIMUM 50 COMMON _____ @ _____

MEAS. LINE _____ SHOE JOINT 44 POZMIX _____ @ _____

CEMENT LEFT IN CSG. 44 GEL _____ @ _____

PERFS. _____ CHLORIDE _____ @ _____

EQUIPMENT

PUMP TRUCK CEMENTER Max Hall HANDLING _____ @ _____

234 HELPER Justin Hoyt MILEAGE _____ @ _____

BULK TRUCK DRIVER Mark Woodward TOTAL _____

257 DRIVER John Kelley

REMARKS:

Cmt 9/8 Surface CSG with 525 lbs 65/35 1 3/4" coal 1 3/4" Flt Seal + 200 lbs Class A + 2 1/2" coal 1 3/4" coal 1 3/4" coal
Draw Plus Discharge 95.2
API Land Plus Float Head
Cmt Did Circulate

SERVICE

DEPTH OF JOB 1538

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE Mi @ _____

PLUG 9/8 Rubber @ _____

TOTAL _____

CHARGE TO: Abercrombie Drlg

FLOAT EQUIPMENT

STREET _____

CITY _____ STATE _____ ZIP _____

1-5/8 HFLI Insult @ _____

2-5/8 Controller @ _____

1-8/8 Cement Hoshel @ _____

Rotating Head @ _____

TOTAL _____

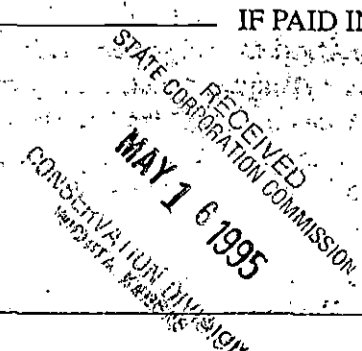
To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE W.C. Craig





CEMENTING LOG

STAGE NO.

ORIGINAL

Date 7/29/91 District M-D, Ledger Ticket No. 0757
 Company Hercules-DRIg Rig Hercules-DRIg #5
 Lease Roberts Well No. 1
 County Moore State KS
 Location 29-32c-29W Field Moore 9W 3c A/E S/S

CEMENT DATA:
 Spacer Type: FRAH H2C
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG _____

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 8 1/2 Weight 24.7 Collar _____

LEAD: Pump Time _____ hrs. Type 65:35:16 3/4
370 cact 4 FLO-SOL Excess _____

Amt. 525 Sks Yield 1.97 ft³/sk Density 12.4 PPG _____

TAIL: Pump Time _____ hrs. Type Class H 7 1/2
370 cact Excess _____

Amt. 200 Sks Yield 1.34 ft³/sk Density 15.2 PPG _____

WATER: Lead 10.9 gals/sk Tail 6.5 gals/sk Total 16.7 Bbls. _____

Casing Depths: Top 0 Bottom 1575

Pump Trucks Used 233-231 Justin Hart
 Bulk Equip. 256-251 Maria McDonald
257-250 John Anthony

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 12 1/4 T.D. 1540 ft. P.B. to _____ ft.

Float Equip: Manufacturer FGA

CAPACITY FACTORS:

Casing: Bbls/Lin. ft. 10637 Lin. ft./Bbl. 15.7015
 Open Holes: Bbls/Lin. ft. 1455 Lin. ft./Bbl. 6.8595
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. 10735 Lin. ft./Bbl. 13.6037
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

Shoe: Type _____ Depth _____
 Float: Type HLW 2 1/2 Depth 1494
 Centralizers: Quantity 2 Plugs Top 1 1/2 Btm. _____
 Stage Collars _____
 Special Equip. 1 Cement Basket
 Disp. Fluid Type H2C Amt. 95.2 Bbls. Weight _____ PPG _____
 Mud Type _____ Weight _____ PPG _____

COMPANY REPRESENTATIVE Hill Crais

CEMENTER Max Hall

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS	
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period		RATE Bbls/Min.
12:30						CALL LOG RIN UP	
5:07		700			5	5 1/2	Run in Hole ahead
5:19		700			1801	5	Mix Lead amt 525 sks 15835' 2-3/4" 130' 1/2" 1/2" 1/2"
5:48		700			48	5	Mix Tail amt 200 sks Class H 7 1/2 130' 1/2" 1/2" 1/2"
5:46							Start Mix and 5 H 7 1/2 Deb to Prep Plug
5:49		50			95.2	4	Start Mix and 5 H 7 1/2
7:17		950					Lead Plug Float Hold Circulated 45 BBL amt to PH

FINAL DISP. PRESS: 525 PSI BUMP PLUG TO 950 PSI BLEEDBACK 4 BBLs. THANK YOU



CEMENTING LOG

STAGE NO.

ORIGINAL

Date 10/19/94 District Med. Lodge Ticket No. 0768
 Company Aberrant Drilling Rig Aberrant #5
 Lease Roberts Well No. 1
 County Meade State KS
 Location 29-32 Field _____
Meade 9W-35 415 SIC

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 5 7/8 Type _____ Weight 24# Collar _____

Casing Depths: Top 0 Bottom 1535

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 7 1/2 T.D. 5500 ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 0.637 Lin. ft./Bbl. 15.7015
 Open Holes: Bbls/Lin. ft. 0.652 Lin. ft./Bbl. 16.5993
 Drill Pipe: Bbls/Lin. ft. 0.42 Lin. ft./Bbl. 70.3235
 Annulus: Bbls/Lin. ft. 0.406 Lin. ft./Bbl. 24.6474
 Bbls/Lin. ft. 0.440 Lin. ft./Bbl. 22.7187
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA: Spacer Type: _____
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG

LEAD: Pump Time _____ hrs. Type for 1400' lead
 Amt. 135 Skys Yield 1.58 ft³/sk Density 13.8 PPG

TAIL: Pump Time _____ hrs. Type _____
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG
 WATER: Lead 78 gals/sk Tail _____ gals/sk Total 25 Bbls.

Pump Trucks Used 233-234 Justin Hart
 Bulk Equip. 250-251 Mark Brown

Float Equip: Manufacturer _____
 Shoe: Type _____ Depth _____
 Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type _____ Amt. _____ Bbls. Weight _____ PPG
 Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE Bill Cross

CEMENTER Max Hall

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
1:30						3A Lot Rigup
1:50	150			15	5	1st hole cement
1:53	150			14	5	Mix and Seal 60% 40% 6 D.K.C. 15.60
1:56	50			3.25	4	Water H2O added
2:07	75			15.5	5.5	Pump H2O Displacement
2:10						Center bit HIT 1st H2O B.H.D.P.
2:47	100			15	5	1st H2O H2O
2:51	100			14	5	Mix and Seal 60% 40% 6 D.K.C. 550'
2:54	50			4.4	4	1st H2O H2O
2:56						Center bit HIT 2nd H2O Full Dis. H2O
7:51	25			2.8	3	Plug H2O with 15.60
7:55	25			7.6	3	Plug Meade Hole with 15.60
7:58	75			4.2	3	Plug Meade Hole with 15.60