

ORIGINAL

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

Operator: License # 31898

Name: CONLEY P. SMITH OPERATING COMPANY

Address 1125 17th Street, Suite 2360

City/State/Zip DENVER, CO 80202

Purchaser: N/A

Operator Contact Person: ROBERT P. VERNON

Phone ( ) 303-296-1434

Contractor: Name: ABERCROMBIE RTD, INC.

License: 30684

Wellsite Geologist: Peter Debenham

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:

Operator: \_\_\_\_\_

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

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

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

10/09/96 10/22/96 10/23/96  
Spud Date Date Reached TD Completion Date

API NO. 15- 033-20,917-0000  
County COMANCHE COUNTY, KANSAS  
Apr. SW NW NE NW Sec. 11 Twp. 32S Rge. 19W  E  
4700 Feet from (S)N (circle one) Line of Section  
3780 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 LONG Well # 11-3  
Field Name Wildcat  
Producing Formation None  
Elevation: Ground 2093 KB 2098  
Total Depth 6114 PBDT \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at 659 Feet  
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 cmt.  
Drilling Fluid Management Plan D&A 8/19-97  
(Data must be collected from the Reserve Pit)  
Chloride content 7000 ppm Fluid volume 2000 bbls  
Dewatering method used Evaporation  
Location of fluid disposal if hauled offsite: RELEASED KCC  
Operator Name \_\_\_\_\_ License No. NOV 27  
Lease Name JAN 29 1999  Confidential  
County \_\_\_\_\_ Docket No. \_\_\_\_\_

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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.

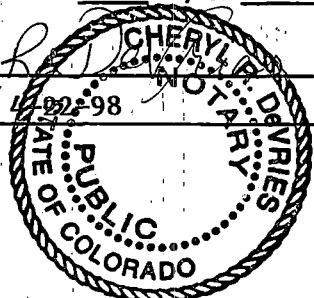
Signature Robert P. Vernon

Title Operations Manager & VP Date 11-27-96

Subscribed and sworn to before me this 27th day of November, 19 96.

Notary Public Cheryl R. Davies

Date Commission Expires 11-27-98



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 CONLEY P. SMITH OPERATING CO.

SIDE TWO

Lease Name LONG

Well # 11-3

Sec. 11 Twp. 32S Rge. 19

East  
 West

County COMANCHE COUNTY, KANSAS

**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 Datums  Sample

Name	Top	Datum
Heebner	4332	2237
Lansing	4522	2425
Miss	5189	3092
Viola	5877	3780
Simpson Shale	6078	3981

- List All E.Logs Run:
- Sonic Log
  - Microlog/GR
  - Neutron Density/GR
  - Dual Induction/GR

RECEIVED  
STATE CORPORATION COMMISSION  
12-2-96  
DEC 02 1996

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used CONSERVATION DIVISION							
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
CONDUCTOR	17 1/4"	13 3/8"	46.5#	336'	Allied Lite Class "A"	225 200	3%cc, 1/4# flo seal 5%cc, 2%gel
					Class "A"	100	5%cc
SURFACE	12 1/4"	8 5/8"	23#	659	Allied Lite Class "A"	235 200	3%cc, 1/4# flo seal 3%cc, 2%gel

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input checked="" 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

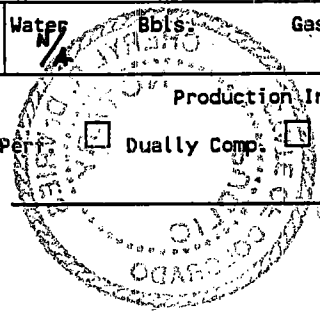
TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or Inj. <u>D&amp;A</u>				Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil <u>N/A</u> Bbls.	Gas <u>N/A</u> Mcf	Water <u>N/A</u> Bbls.	Gas-Oil Ratio	Gravity		

Disposition of Gas: **METHOD OF COMPLETION**

Vented  Sold  Used on Lease (If vented, submit ACO-18.)

Open Hole  Perforated  Dually Comp.  Commingled

Other (Specify) \_\_\_\_\_



ORIGINAL

# ALLIED CEMENTING CO., INC. - 4295

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

## CONFIDENTIAL

SERVICE POINT: Milford  
Milford

DATE <u>10-11-96</u>	SEC <u>18</u>	TWP <u>33</u>	RANGE <u>19</u>	CALLED OUT <u>3:30 AM</u>	ON LOCATION <u>6 AM</u>	JOB START <u>9 AM</u>	JOB FINISH <u>11 AM</u>
LEASE <u>Long</u>	WELL# <u>11-3</u>	LOCATION <u>Goldwater 1 1/2 W N13</u>			COUNTY <u>Comanche</u>	STATE <u>K.S.</u>	

OLD OR  NEW (Circle one)

CONTRACTOR Abercrombie R.P.R., #5

TYPE OF JOB surface pipe job

HOLE SIZE 12" T.D. 660 ft

CASING SIZE 24" imp. 8 1/2 DEPTH 660 ft

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE 675 ft SHOE JOINT 35 ft

CEMENT LEFT IN CSG. 35 ft

PERFS. Displacement 39.8 bbl

OWNER \_\_\_\_\_

CEMENT \_\_\_\_\_

AMOUNT ORDERED 235 1/2 37cc 1/4 110 seal  
200 Com 37cc 27cc

KCO RELEASED \_\_\_\_\_

COMMON 27 @ \_\_\_\_\_

POZMIX \_\_\_\_\_ @ JAN 29 1999

GEL CONFIDENTIAL @ \_\_\_\_\_

CHLORIDE FRQ @ CONFIDENTIAL

### EQUIPMENT

PUMP TRUCK CEMENTER M.H.M.

# 255-265 HELPER Justin H.

BULK TRUCK \_\_\_\_\_

# \_\_\_\_\_ DRIVER \_\_\_\_\_

BULK TRUCK \_\_\_\_\_

# 258-252 DRIVER John H.

HANDLING \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE \_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

### REMARKS:

Mix Cement 100 lb of bits + 100 lb of  
Common on Bottom

Mix 135 lb of bits + 100 lb of Common on  
top to surface

### SERVICE

DEPTH OF JOB 660 ft

PUMP TRUCK CHARGE \_\_\_\_\_

EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE \_\_\_\_\_ @ \_\_\_\_\_

PLUG 1-4 1/2 Rubber plug @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

CHARGE TO: Conroy P. Smith

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

### FLOAT EQUIPMENT

1-8 1/2 Baffle plate @ \_\_\_\_\_

2-8 1/2 Basket @ \_\_\_\_\_

2-8 1/2 Controlters @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

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. Conroy

*Thank You  
Allied Cementing Co. Inc  
Mike + Justin + John*

ORIGINAL

# ALLIED CEMENTING CO., INC.

4170

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

SERVICE POINT: MEDICINE LODGE  
10-9-96 10-10-96

DATE: <u>10-10-96</u>	SEC: <u>11</u>	TWP: <u>32s</u>	RANGE: <u>19w</u>	CALLED OUT: <u>3:00PM</u>	ON LOCATION: <u>11:00PM</u>	JOB START:	JOB FINISH: <u>5:00PM</u>
LEASE: <u>LONG</u>	WELL #: <u>11-3</u>	LOCATION: <u>WLOWATER NEW, N/S</u>			COUNTY: <u>COMANCHE</u>	STATE: <u>KANSAS</u>	

CONTRACTOR: ABERCROMBIE #S

TYPE OF JOB: \_\_\_\_\_

HOLE SIZE: \_\_\_\_\_ T.D. \_\_\_\_\_

CASING SIZE: \_\_\_\_\_ DEPTH \_\_\_\_\_

TUBING SIZE: \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE: \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL: \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX: \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE: \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG: \_\_\_\_\_

PERFS: \_\_\_\_\_

OWNER: CONCEY P. SMITH

CEMENT: \_\_\_\_\_

AMOUNT ORDERED: \_\_\_\_\_

COMMON: \_\_\_\_\_ @ \_\_\_\_\_

POZMIX: \_\_\_\_\_ @ \_\_\_\_\_

GEL: \_\_\_\_\_ @ \_\_\_\_\_

CHLORIDE: RELEASED @ \_\_\_\_\_

JAN 29 1997 @ \_\_\_\_\_

FROM CONFIDENTIAL @ \_\_\_\_\_

HANDLING: \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE: \_\_\_\_\_ @ \_\_\_\_\_

TOTAL: \_\_\_\_\_

EQUIPMENT

PUMP TRUCK CEMENTER: KEVIN PRINGAUDT

# 225-265 HELPER: PARI BALDING

BULK TRUCK DRIVER: \_\_\_\_\_

BULK TRUCK DRIVER: \_\_\_\_\_

REMARKS:

ON LOCATION TO 27 3713" - (LOST RETURNS  
530' STANDBY TO REGAIN CIRC.

TRY TO RUN 813" - WOULD NOT GET BET  
80" - DECIDED TO RUN 13713"

RELEASED FROM LOCATION

SERVICE

DEPTH OF JOB: \_\_\_\_\_

PUMP TRUCK CHARGE: \_\_\_\_\_

EXTRA FOOTAGE: \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE: \_\_\_\_\_ @ \_\_\_\_\_

PLUG: \_\_\_\_\_ @ \_\_\_\_\_

STANDBY 14 HRS @ 90.00 1260.00

CHARGE TO: ABERCROMBIE, RTO

STREET: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

TOTAL: \$1260.00

FLOAT EQUIPMENT

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

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: \$1260.00

DISCOUNT: \$139.00 IF PAID IN 30 DAYS

NET: \$1071.00

SIGNATURE: X W.C. Craig

ORIGINAL

# ALLIED CEMENTING CO., INC.

4169

RELEASED

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

SERVICE POINT: MEDICINE LODGE

JAN 29 1999

DATE <u>10-11-96</u>	SEC <u>11</u>	TWP <u>32</u>	RANGE <u>FR</u>	CONFID <u>CONF</u>	CALLED OUT <u>6:00 AM</u>	ON LOCATION <u>9:30 AM</u>	JOB START <u>5:00 PM</u>	JOB FINISH <u>6:30 PM</u>
LEASE <u>Comp</u>	WELL # <u>11-3</u>	LOCATION <u>Blowwater 1 1/2 W, N15</u>			COUNTY <u>Pow</u>	STATE <u>KANSAS</u>		

OLD OR NEW (Circle one)

CONTRACTOR ABERCROMBIE #5 OWNER Conley P. Smith

TYPE OF JOB CONDUCTOR CEMENT

HOLE SIZE 17 1/4" T.D. 340'

CASING SIZE 13 3/8" 46# DEPTH 326' AMOUNT ORDERED 235x 6S:3S:6 + 2% CC + 1/4# F-

TUBING SIZE DEPTH 200x CLASS A + 5% CC + 2% Cc

DRILL PIPE DEPTH 100x CLASS A + 5% Cc

TOOL DEPTH

PRES. MAX 500# MINIMUM COMMON 300 @ 6.10 1830.00

MEAS. LINE SHOE JOINT 29.35' POZMIX @

CEMENT LEFT IN CSG. GEL 4 @ 9.50 38.00

PERFS. CHLORIDE 28 @ 23.00 700.00

EQUIPMENT 6S:3S:6 22S @ 5.60 1271.28

PUMP TRUCK CEMENTER KEVIN PRINCARDI FLO. SEAL 56# @ 1.15 64.40

# 255-265 HELPER CARL BALDWIN

BULK TRUCK HANDLING 528 @ 1.05 551.25

# 259-214 DRIVER JAMES HOLT MILEAGE 528 x .45 .04 948.00

BULK TRUCK TOTAL #

# 238-282 DRIVER

### REMARKS:

### SERVICE

RAN 13 3/8" 166. - CEMENTED WITH  
225x ALUM 3% CC + 1/4# FLO. SEAL  
FOLLOWED WITH 200x CLASS A + 5% CC +  
2% Cc - DISPLACE PLUS TO 310'  
WITH 4 3/4" FBLS HD - (ED) NOT  
CIRCULATE CEMENT - RAN 1" TO 45'  
CIRCULATED CEMENT TO SURFACE / 100x  
CLASS A + 5% CC

DEPTH OF JOB 326'

PUMP TRUCK CHARGE 0-310' 440.00

EXTRA FOOTAGE 36' @ .41 14.76

MILEAGE 4S @ 2.80 128.25

PLUG 13 3/8" TWP @ 70.00 70.00

ADDTL HOURS 3 @ 90.00 270.00

TOTAL #

CHARGE TO: ABERCROMBIE, P.O.

### FLOAT EQUIPMENT

STREET  
CITY STATE ZIP

13 3/8"

1- GUIDE SHOE @ 300.00 300.00

1- BAFFLE RATE @ 300.00 300.00

2- PACKETS @ 277.00 554.00

TOTAL #

TAX

TOTAL CHARGE #

DISCOUNT # IF PAID IN 30 DAYS

Net #

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 X W.C. Craig

# ALLIED CEMENTING CO., INC.

6974

ORIGINAL

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

SERVICE POINT:  
Medicine Lodge

DATE <u>10/23/96</u>	SEC. <u>11</u>	TWP. <u>32s</u>	RANGE <u>19w</u>	CALLED OUT	ON LOCATION <u>6:00PM</u>	JOB START <u>7:30PM</u>	JOB FINISH <u>8:45PM</u>
LEASE <u>Long</u>	WELL# <u>11-3</u>	LOCATION <u>Coldwater 1/2 W 1/2 NW</u>			COUNTY <u>Comanche</u>	STATE <u>Ks</u>	

OLD OR NEW (Circle one)

CONTRACTOR Abercrombie #5  
 TYPE OF JOB Rotary Plug  
 HOLE SIZE 7 7/8 T.D. 6114  
 CASING SIZE 8 3/8 23" DEPTH 659  
 TUBING SIZE DEPTH  
 DRILL PIPE 4 1/2 16.60" DEPTH 1000  
 TOOL DEPTH  
 PRES. MAX 150 MINIMUM 50  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG.  
 PERFS.

OWNER Same CEMENT

AMOUNT ORDERED  
125 sks 60/40 + 679 gel

COMMON	<u>75</u>	@	<u>6.10</u>	<u>457.50</u>
POZMIX	<u>50</u>	@	<u>3.15</u>	<u>157.50</u>
GEL	<u>7</u>	@	<u>9.80</u>	<u>66.50</u>
CHLORIDE		@		
<del>RELEASED</del>		@		
<del>JAN 29 1999</del>		@		
<del>CONFIDENTIAL</del>		@		
<del>MILEAGE</del>	<u>45</u>	@	<u>1.05</u>	<u>131.25</u>
<del>STATE REGISTRATION COMMISSION</del>		@	<u>.04</u>	<u>225.00</u>

EQUIPMENT

PUMP TRUCK CEMENTER Max  
 # 265 HELPER Carl  
 BULK TRUCK  
 # 259 DRIVER John  
 BULK TRUCK  
 # DRIVER

TOTAL \$1037.75

CONSERVATION DIVISION  
WARRANT, KANSAS SERVICE

REMARKS:

Plug well thru Drill Pipe Spot Plugs  
40 sks @ 1000 FT 50 sks @ 680 FT  
10 sks @ 40 FT 15 sks Rat Hole  
10 sks mouse hole

DEPTH OF JOB	<u>1000</u>			
PUMP TRUCK CHARGE				<u>445.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>45</u>	Mi @	<u>2.85</u>	<u>128.25</u>
PLUG		@		

TOTAL \$573.25

CHARGE TO: Conley P. Smith Operating Co.  
 STREET 1125 17th St. Suite 2360  
 CITY Denver STATE Co ZIP 80202

FLOAT EQUIPMENT

	@			
	@			
	@			
	@			

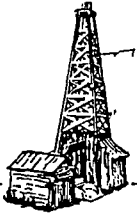
TOTAL

To Allied Cementing Co., Inc.  
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TAX \_\_\_\_\_  
 TOTAL CHARGE \$1611.00  
 DISCOUNT \$244.65 IF PAID IN 30 DAYS  
Net \$1369.35

SIGNATURE [Signature]

ORIGINAL



CONFIDENTIAL

WHITEHALL EXPLORATION

CORPORATION

Wellsite Geological Consulting & Complete Well Logging

RELEASED

JAN 29 1999

FROM CONFIDENTIAL

GEOLOGICAL ANALYSIS & WELL REPORT

CONLEY P. SMITH OPERATING CO.

LONG No. 11-3

Kestrel Prospect

NE-NW

Section 11-Township 32 South-Range 19 West  
Comanche County, Kansas

15-033-20917

KCC

NOV 27

CONFIDENTIAL

October 25, 1996

ORIGINAL

CONFIDENTIAL

**GENERAL WELL INFORMATION**

**Operator:** Conley P. Smith Operating Company, 1125 17th St.,  
#2360, Denver, CO 80202  
Company Geologist: Larry Goessman, Ken Roberts

**Well Name:** Long No. 11-3, Kestrel Prospect, Apollo Program

**API No.:** 15-033-209170000

**Location:** 580' FNL & 1500' FWL, Section 11, T32S, R19W,  
Comanche County, Kansas - 1 mile NW of Coldwater.

**Elevation:** K.B. 2097' G.L. 2092'

**Field:** Wildcat

**Contractor:** Abercrombie Drilling Inc., Rig No. 5, Double  
jackknife/tripple stand, Toolpusher Bill Craig,  
Drillers Sam Williams Jr., Walter Brown, Neil Markle

**Surface Casing:** 20" conductor pipe set at 50', 8 joints of 13 3/8" set  
at 333' with 225 sacks ALW and 200 sacks Class A, 16  
joints of new 8 5/8", 23 lbs/ft., set at 659' with 100  
sacks AWL and 100 sacks Class A(3% Gel, 5% CC, 1/4  
lb/sack flowseal). Cement did not circulate. Recement  
down backside.

**Total Depth:** LTD 6104', RTD 6114'

**Wellsite Supervision:** 3400' to RTD

**Wellsite Geologist:** Peter Debenham, Whitehall Exploration Corp.,  
87 DeFrance Way, Golden, Colorado 80401 303/279-6894

**Drilling Consultant:** Art Lebolo - DRW Operating Co. - Denver, CO

**Mudlogging Trailer:** MBC Logging and Leasing - Meade, Kansas

**Drillstem Testing:** No tests

**Mud Program:** Mud Co., Inc - Engineer Gary Talbott, Displaced at 3937'.  
Type: Chemical Gel/LCM

KCC

NOV 27,

CONFIDENTIAL



**Electric Logs:** Schlumberger, Engineer Damir Bertovic  
 Array Induction Imager/Gr - Surface to TD  
 Compensated Neutron/Litho-Density  
 BHC Sonic, Microlog

**Samples:** One set dry cut to KGS Sample Log Library-Wichita  
 One set stored with Conely P. Smith-Denver

**Status:** Plugged and abandoned 10/23/96 with 40 sacks cement  
 set at 1000', 50 sacks at 680', 10 sacks at 40', 10 sacks  
 in mousehole and 15 in rathole. Orders by state engineer  
 Gary Winter.

**DAILY DRILLING CHRONOLOGY**

<u>DATE</u>	<u>7:00 AM DEPTH</u>	<u>24 HOUR FOOTAGE</u>	<u>7:00 A.M. OPERATION: 24 HOUR ACTIVITY</u>
10/9	0'	0'	Move to location and rig up rotary tools. Drill cement - Conductor pipe previously set at 50'. Drill 7 7/8" hole to 543' and lost circulation. Trip out and mix mud and LCM. Trip in - no returns. Trip out and mix mud. Drill mousehole. Wash and ream to bottom.
10/10	543'	543'	Ream to bottom and mix mud. Blind drill to 660'. Trip out and run 8 5/8" surface casing to 333'. Cement would not circulate. Pull 8 5/8" casing. Make up 17 1/2" bit and ream to 218'.
10/11	50'	0'	Ream hole and circulate. Trip out and run 8 joints of 13 3/8" casing set at 333' and cement. Cement did not circulate(45' from surface). Cement off backside and wait on cement. Drill plug and cement and wash and ream 12 1/4" hole to 660' and circulate.

10/12	660'	610'	Run 16 joints of 8 5/8" surface casing set at 659' and cement - did not circulate. Cement backside and wait on cement. Nipple up and pressure test BOP. Drill plug and cement and drill 7 7/8" hole to 1295'. Run survey(1/2 <sup>o</sup> ).
10/13	1295'	635'	Drill to 2513'. Tighten standpipe and work on BOP. Pull 2 stands and repack swivel.
10/14	2513'	1218'	Repack swivel. Displace mud at 2625' and jet pits.
10/15	3157'	644'	Drilling ahead. Begin geological supervision.
10/16	3795'	638'	Drilling ahead. Displace mud system at 3937' and jet pits.
10/17	4393'	598'	Circulate for samples at 4710'. work on mud pump. Drilling ahead.
10/18	4870'	477'	Replace head in pump. Work on drawwork compound.
10/19	5165'	295'	Service rig. Circulate for samples at 5256'. Drill to 5350'. Drop survey(1 <sup>o</sup> ) and strap out for Bit No. 2 - no depth correction. Ream 200' through tight spot(4435'-4635').
10/20	5420'	255'	service mud pump. drilling ahead.
10/21	5700'	280'	Circulate for samples at 5770'. Drilling ahead.
10/22	5973'	273'	Drill to 6000' and circulate for samples. Short trip 20 stands. Pulled tight from 4400' to 4500'. Rig on day work at 8:30 AM. Drill to 6114' TT(9:45 PM) and circulate for samples. Lost circulation at 6066'. Drop survey(1 1/4 <sup>o</sup> ) and strap out for E-logs. 3' uphole correction. Run E-logs.
10/23	6114'	141'	Run E-logs. Trip in open ended and plug and abandon well. Rig down.

### MUD PROPERTIES

<u>DATE</u>	<u>DEPTH</u>	<u>WT</u>	<u>VIS</u>	<u>YP</u>	<u>WL</u>	<u>PH</u>	<u>CL</u>	<u>LCM#/bbt</u>
10/14	2688'	8.6	35	4	32.0	8.5	21000	1
10/15	3230'	9.5	37	15	80.0	7.0	40000	--
10/16	3885'	9.7	34	11	84.0	7.0	40000	--
10/17	4425'	8.9	45	14	11.2	11.0	6000	--
10/18	4890'	9.2	46	14	13.6	9.5	6500	2
10/19	5184'	9.1	54	20	10.4	9.5	5000	tr
10/20	5443'	9.0	57	15	12.0	9.0	6000	5
10/21	5712'	9.1	50	15	10.4	9.5	6000	8
10/22	5989'	9.3	57	20	15.2	8.5	6500	6
10/22	6015'	9.2	53	16	12.8	9.0	7000	4

### BIT RECORD

<u>NO.</u>	<u>SIZE</u>	<u>MAKE</u>	<u>TYPE</u>	<u>OUT</u>	<u>FOOTAGE</u>	<u>HOURS</u>
1-A	12 1/4"	HTC	SI-ATJ	660'	610'	46 1/2
2-A	17/12"	SM	SDS	350'	250'ream	10
3-A	12 1/4"	HTC	SI-ATJ	660	310ream	
1	7 7/8"	WM	51-F	5350'	4690'	150
2	7 7/8"	WM	53-CHF	6114'	760'	56 1/2
					Total Rotary Hours:	216 1/2
					Average:	28.24 ft/hour

### DEVIATION RECORD

1224' 1/2°, 5350' 1°, 6114' 1 1/4°

**ELECTRIC LOG FORMATION TOPS - KB Elevation 2097'**

<u>FORMATION</u>	<u>DEPTH</u>	<u>DATUM</u>
Stone Corral	1065'	+1032'
Foraker	3221'	-1124'
Wabaunsee	3442'	-1345'
Stotler	3581'	-1484'
Howard	3664'	-1567'
Topeka	3760'	-1663'
Lecompton	3915'	-1818'
Elgin SS	4204'	-2107'
Heebner	4327'	-2230'
Lansing	4535'	-2438'
B Zone	4584'	-2487'
G Zone	4678'	-2581'
H Zone	4724'	-2627'
Stark SH	4829'	-2732'
BKC	4966'	-2869'
Marmaton	5026'	-2929'
Pawnee	5074'	-2977'
Cherokee	5123'	-3026'
Mississippi	5188'	-3091'
Warsaw	5364'	-3267'
Kinderhook	5773'	-3676'
Viola	5876'	-3779'
Upper Bromide Dolomite	6008'	-3911'
Lower Bromide Sandstone	6054'	-3957'
Simpson Shale	6081'	-3984'
TD	6114'	-4017'

**STRUCTURAL CONSIDERATION - Datum Depths**

<u>FORMATION</u>	<u>BEELEY NO.18-1</u>	<u>*SHERMAN A #1</u>	<u>POSITION</u>
Stone Corral	+1032'	+1045'	-13
Foraker	-1124'	-1116'	-8'
Stotler	-1484'	-1475'	-9'
Howard	-1567'	-1560'	-7'
Heebner	-2230'	-2226'	-4'
Lansing	-2438'	-2423'	-15'
G Zone	-2581'	-2572'	-9'
H Zone	-2627'	-2616'	-11'
Stark Shale	-2732'	-2720'	-12'
BKC	-2869'	-2838'	-31'
Marmaton	-2929'	-2913'	-16'
Pawnee	-2977'	-2960'	-17'
Cherokee	-3026'	-3008'	-18'
Mississippi	-3091'	-3071'	-20'
Warsaw	-3267'	-3156'	-111'
Kinderhook	-3676'	-3574'	-102'
Viola	-3779'	-3632'	-147'
Upper Bromide Dolomite	-3911'	-3847'	-64'
Simpson Shale	-3984'	-3873'	-111'

\*Source petroleum Inc., Sherman A No. 1, E2, SW, SW, Section 12, T32S, R19W, Comanche county, KS - 1 mile to the SE, GL 2044'

## ZONES OF INTEREST

### FORMATION

### LOG DEPTH

### LITHOLOGIC & SHOW DESCRIPTIONS, REMARKS

Mississippi

5198'-5266'

Limestone - Light to medium mottled brown, micro to cryptocrystalline, brittle, clean, subchalky, trace Coral fossils with fenestral porosity, trace intercrystalline and fine vuggy porosity, predominately tight, bright light blue to yellowgold hydrocarbon fluorescence in up to 3% of the samples, light mottled brown oil stain, trace heavy dark live oil, slow bleeding to occasional good streaming cut, interbedded with Limestone - Brown, cryptocrystalline, hard, dense, fossiliferous, tight, no show. Several gas peaks of up to 55 Units were recorded on the hotwire. This interval shows tight on logs and with only a spike of microlog seperation.

Mississippi

5702'-5772'

Dolomite - Light gray, white, speckled green, microcrystalline, microsucrosic to sucrosic, clean, sandy with very fine lower, well sorted grains, glauconitic, good intercrystalline and occasional course vuggy porosity, bright to dull yellow hydrocarbon fluorescence in much less than 1% of the samples, slow weak to occasional good streaming cut, trace heavy black oil residue in vugs, with abundant Chert(20% Spl) - Light gray, white, tripolitic with intercrystalline porosity, trace bright yellow hydrocarbon fluorescence with faint cut. The majority of this interval is void of show. Excellent porosity and very low resisivities are noted on logs.

## WELL AND GEOLOGIC SUMMARY

### GENERAL

The Conley P. Smith Operating Company, Long No. 11-3, Kestrel Prospect (Apollo Program) was drilled as a wildcat based on seismic interpretation and on subsurface well control to total depth of 6114' in the Simpson Shale. The only drilling problems that occurred were a result of lost circulation in drilling the surface hole at 543' which necessitated the setting of 13 3/8" intermediate casing to 333' as the surface hole began to slough in and deeper 8 5/8" casing to 659'. Cement did not circulate and had to be pump down the backside. Also, minor lost circulation occurred in the Lower Simpson Sandstone at 6066'.

The correlation well for the Long No. 11-3 was the Source petroleum Inc., Sherman A No. 1 - 1 mile to the SE. the Stone Corral came in 13' low relative to this offset. Formation tops from the Foraker to the Heebner ran 4' to 9' low. The Lansing and the Stark Shale came in 15' and 12' low. The Marmaton, Pawnee, Cherokee and Mississippi ran 16', 17', 18' and 20' low respectively. A down thrown fault was drilled and considerable thickening occurred in the Mississippi. The Kinderhook shale came in 102' low and the Viola, 147' low. The Simpson Shale ran 111' low relative to the control well.

Two show occurred in the Mississippi during the drilling of this test. The Upper Mississippi (5198' - 5266') consists of a Limestone - Light to medium mottled brown, microcrystalline, brittle, clean, subchalky, trace Coral fossils with fenestral porosity, trace intercrystalline and fine vuggy porosity, predominately poor visible porosity, bright light yellow to blue hydrocarbon fluorescence in up to 3% of the samples, slow bleeding to good streaming cut, trace mottled brown oil stain, trace heavy live oil. Several gas peaks of up to 55 Units were recorded on the hotwire. Poor porosity development is noted on logs.

The Lower Warsaw from 5702' to 5772' consists of a Dolomite - Light gray, white, speckled green, microcrystalline, sucrosic, brittle, clean, sandy with very fine lower, well sorted grains, glauconitic, good intercrystalline and trace vuggy porosity, bright yellow hydrocarbon fluorescence in much less than 1% of the samples, slow weak to occasional good streaming cut, trace heavy black oil residue in vugs, with abundant Chert - Light gray, white, tripolitic in part with intercrystalline porosity, trace yellow hydrocarbon fluorescence with faint cut. Excellent porosity but very low resistivities are noted and this zone is obviously wet.

The Long No. 11-3 was plugged and abandoned 10/23/96.

Respectfully Submitted,



Peter Debenham

Whitehall Exploration Corporation