

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

CONFIDENTIAL

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 32457
 Name: Abercrombie Energy, LLC
 Address: 150 N. Main, Suite 801
 City/State/Zip: Wichita, KS 67202
 Purchaser: N/A
 Operator Contact Person: Don Beauchamp
 Phone: (316) 262-1841
 Contractor: Name: Abercrombie RTD, Inc.
 License: 30684
 Wellsite Geologist: Wesley D. Hansen
 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: _____
 Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

<u>12-07-05</u>	<u>12-19-05</u>	<u>12-20-05</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 081-21622 - 00-00
 County: Haskell
60°N 110°E NW NE Sec. 13 Twp. 28 S. R. 33 East West
600' feet from S N (circle one) Line of Section
1870' feet from E W (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW SW
 Lease Name: Calihan Well #: 1-13
 Field Name: Wildcat
 Producing Formation: none
 Elevation: Ground: 2957' Kelly Bushing: 2965'
 Total Depth: 5629' Plug Back Total Depth: _____
 Amount of Surface Pipe Set and Cemented at 1906' 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 ACTI PEA WITH
 (Data must be collected from the Reserve Pit) 3-12-07
 Chloride content 9000 ppm Fluid volume 1800 bbls
 Dewatering method used Evaporation
 Location of fluid disposal if hauled offsite: _____
 Operator Name: _____
 Lease Name: _____ License No.: _____
 Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
 County: _____ Docket No.: _____

KCC

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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 of 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: Don Beauchamp
 Title: Vice President of Exploration Date: 12-29-05
 Subscribed and sworn to before me this 29th day of December,
2005.
 Notary Public: Robert K. Ammerman
 Date Commission Expires: 3-1-2008

KCC Office Use ONLY

YES Letter of Confidentiality Received
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

ROBERT K. AMMERMAN
 Notary Public - State of Kansas
 My Appl. Expires 3-1-2008

X

Operator Name: Abercrombie Energy, LLC Lease Name: Calihan Well #: 1-13
 Sec. 13 Twp. 28 S. R. 33 East West County: Haskell

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

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:

Dual Compensated Porosity Log, Dual Induction Log, Microresistivity Log, Borehole Compensated Sonic Log

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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 casing	12 1/4"	8 5/8"	24#	1906'	A-con	390	2% cc, 1/4# flowcil
					Class A	180	2% cc, 1/4# flowcil

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ 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, Resumerd Production, SWD or Enhr.			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 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

Production Interval Other (Specify) _____

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TREATMENT REPORT



Customer ID		Date	
Customer Abercrombie Energy LLC		12-9-05	
Lease CALIBAN		Lease No.	Well # 1-13
Field Order # 103602	Station Liberal KS	Casing 8 5/8	Depth 1909 TD
Type Job 8 5/8 surface	Formation New well	County Haskell	State KS
		Legal Description 13-28-33W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 8 5/8	Tubing Size	Shots/Ft	Lead	Acid Blend A-con 3% CC 1/4 # cell/flake	RATE	PRESS	ISIP	
Depth 1909 TD	Depth	From	To TAIL	Pre Pad CLASS A 2% CC	Max		5 Min.	
Volume 119.331	Volume	From	To	Pad	Min		10 Min.	
Max Press 1000	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection P.C	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 1909 TD	Packer Depth	From	To	Flush Freshwater	Gas Volume		Total Load	

Customer Representative Gary Fisher	Station Manager Terry Bennett	Treater Allen F Werth					
Service Units	125	305	457	344	570	335	575

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1230					on loc set up + PLAN Job. Rig ca + 1908
1345					START out of Hole w/ DP.
1700					out of hole w/ D.P. Rig up to Run casing.
1935					start 8 5/8 casing 24# w/gu to shoe.
1942					Insert Flapper type, 3 cent. 1 Basket
2000	200 #		212	5	run Bottom w/ casing
			39	5	st. view w/ Rig Pump.
2105				6.5	st. mix 390 SKS A-con Blend
	300 #			5	st. mix 180 SKS CLASS A
	1000 #		119		FIN mix. Release Top Rubber Plug
					70 BBLS out 2 FIRST 300 #
					FIN Disp Plug Down
					Release PSI OK.
					KICK L 2000 wash up Equip.
					Rack up Equip.
2215					Job complete
					CM C.R. to P.F
					THANKS Allen screw

ABERCROMBIE RTD, INC.

150 N. MAIN, SUITE 801
WICHITA, KANSAS 67202
(316)262-1841

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CALIHAN #1-13

600' FNL & 1870' FEL
SECTION 13-28S-33W
HASKELL COUNTY, KS

OPERATOR: Abercrombie Energy, LLC
CONTRACTOR: Abercrombie RTD, Inc.

RIG #:3
JOB #: 2005309
PTD: 5650'

Abercrombie Energy, LLC
150 N. Main, Suite 801
Wichita, KS 67202
(316) 262-1841

ELEVATION: 2957' GL
2965' KB

API #15-081-21622-0000

TIGHT HOLE

- 10-05-05 Location Staked
- 11-08-05 Location moved and re-staked.
- 12-02-05 Commence building location.
- 12-05-05 WO trucks
- 12-06-05 MIRU
- 12-07-05 Preparing to spud.
- 12-08-05 787' - Drilling. Drilled 787' - 24 hrs., drilling 10 3/4 hrs., circulate 1 hr., repairs 6 3/4 hrs., mix mud 4 hrs., rathole 1 1/2 hrs. Bit #1, 12 1/4" Varel CH1JGMS, SN: 215052, in @ 0'. Cut 787' - 10 3/4 hrs. Mud weight 9.6, Viscosity 40, LCM 8#. Daily Mud \$1,050.00 (Est.), Accum. Mud \$3,515.00. Mud mix: gel 40 sks., lime 2 sks., hulls 80 sks. Bit weight 20,000, 700# pump, rot 140, SPM 54. Spud @ 12:30 p.m. 12-07-05.
- 12-09-05 1903' - Drilling. Drilled 1116' - 24 hrs., drilling 20 hrs., rig check 3/4 hr., jet pits 1/2 hr., circulate 1 hr., repairs 1 3/4 hrs. Bit #1, 12 1/4" Varel CH1JGMS, SN: 215052, in @ 0'. Cut 1903' - 30 3/4 hrs. Mud weight 9.7, Viscosity 40, PV/YP 10/13, Gels 9/24, pH 7.0, Chlorides 200, Solids 9.8%, LCM 5#. Daily Mud (revised) \$2,200.00, Accum. Mud \$2,200.00. Mud mix: gel 40 sks., lime 2 sks., hulls 75 sks. Bit weight 25-30,000, 900# pump, rot 140, SPM 56.
- 12-10-05 1908' - Trip in hole with 7 7/8" bit; drilled 5' last 24 hrs; drilling 1/2 hr, circulate 2 hrs, run casing 3 1/4 hrs, cementing 1 1/2 hrs, cellar work 6 hrs, tripping 5 3/4 hrs, wait on cement 5 hrs; ran 45 jts new 24# 8 5/8" casing, set at 1906', cemented w/ 390 sx A-con w/ 2% cc, 1/4# flowcil followed by 180 sx Class A 2% cc, 1/4# flowcil, plug down @ 9:30 pm 12/10/05, job by Acid Services, cement did circulate; mixed no mud; deviation 1 degree @ 1908'.
- 12-11-05 2840' - Drilling; drilled 932' last 24 hrs; drilling 18 1/4 hrs, trip 2 hrs, rig check 1/2 hr, jet pit 3/4 hrs, test BOP 1/2 hr, drill cement 2 hrs; Bit #2, 7 7/8" Smith F271, SN PC8855, in @ 1908', cut 932' in 18 1/4 hrs. Mud weight 8.7, viscosity 40; Mud mix: 144 gel, 10 caustic, 70 hulls; Bit weight 35,000# rotating at 75 RPM, pump pressure 1200# at 56 SPM.
- 12-12-05 3705' - Drilling; drilled 865' last 24 hours; drilling 22 1/2 hrs, rig check 3/4 hrs, jet pits 1/2 hr, repairs 1/4 hrs; Bit #2, 7 7/8" Smith F271, SN PC8855, in @ 1908', cut 1797' in 40 3/4 hrs; Mud weight 9.0, viscosity 45, PV/YP 9/13, gels 8/19, pH 7.0, chlorides 2900, solids 4%, LCM 4#; Daily mud \$4,559, Accum mud \$6,759; Mixed 115 gel, 4 caustic, 12 soda ash, 4 lignite, 1 Drispac, 55 hulls; Bit weight 40,000# rotating @ 75-80 RPM; pump pressure 1400# @ 48 SPM.

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ABERCROMBIE RTD, INC.

150 N. MAIN, SUITE 801
WICHITA, KANSAS 67202
(316)262-1841

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CALIHAN #1-13

600' FNL & 1870' FEL
SECTION 13-28S-33W
HASKELL COUNTY, KS

OPERATOR: Abercrombie Energy, LLC
CONTRACTOR: Abercrombie RTD, Inc.

RIG #:3
JOB #: 2005309
PTD: 5650'

Abercrombie Energy, LLC
150 N. Main, Suite 801
Wichita, KS 67202
(316) 262-1841

ELEVATION: 2957' GL
2965' KB

API #15-081-21622-0000

TIGHT HOLE

- 12-13-05 4447' - Drilling. Drilled 742' - 24 hrs., drilling 21 3/4 hrs., rig check 3/4 hr., jet pits 1/2 hr., CFS @ 4220' 1 hr. Bit #2, 7 7/8" STC F27I, SN: PC8855, in @ 1908'. Cut 2539' - 62 1/2 hrs. Mud weight 9.2, Viscosity 46, PV/YP 13/23, Gels 12/34, Water loss 9.6, pH 9.0, Chlorides 1,900, Solids 6.4%, LCM 4#. Daily Mud \$2,264.00, Accum. Mud \$9,024.00. Mud mix: gel 120 sks., caustic 6 sks., soda ash 6 sks., lignite 3 sks., drispac 1 sk., hulls 70 sks. Bit weight 40,000, 1400# pump, rot 75, SPM 50. Note: Show of oil "G" Zone 4438' - 4443' - 11 unit gas kick.
DST#1 4416' - 4455' (Lansing "G" Zone)
30-60-60-90
Fair steady blow
Recovered: 434' Muddy Saltwater (85% water, 15% mud) Very few oil spots.
Chlorides 60,000 ppm - Mud system 1700 ppm.
ICIP: 1235# IFP: 31-146#
FCIP: 1213# FFP: 161-238#
BHT: 121°
- 12-14-05 4520' - Drilling. Drilled 73' - 24 hrs., drilling 3 hrs., trip 12 1/2 hrs., circulate 3 1/2 hrs., testing 4 hrs., lay down tool 1/2 hr., make up tool 1/2 hr. Bit #2, 7 7/8" STC F27I, SN: PC8855, in @ 1908'. Cut 2612' - 65 1/2 hrs. Mud weight 9.2, Viscosity 53, PV/YP 15/22, Gels 14/43, Water loss 8.0, pH 10.0, Chlorides 1,700, Solids 6.3%, tr/sand, LCM 3#. Daily Mud \$2,125.46, Accum. Mud \$11,150.06. Deviation - 1/2° @ 4455'. Bit weight 40,000, 1250# pump, rot 70, SPM 54.
- 12-15-05 4775' - DST #2. Drilled 255' - 24 hrs., drilling 13 hrs., trip 4 3/4 hrs., rig check 1/2 hr., jet pits 1/4 hr., circulate 5 1/4 hrs., PU tool 1/4 hr. Bit #2, 7 7/8" STC F27I, SN: PC8855, in @ 1908'. Cut 2867' - 78 1/2 hrs. Mud weight 9.1, Viscosity 53, PV/YP 15/23, Gels 14/45, Water loss 7.2, pH 10.0, Chlorides 1,900, Solids 5.6%, LCM 4#. Daily Mud \$8,922.00, Accum. Mud \$12,042.00. Mud mix: gel 45 sks., caustic 2 sks., soda ash 2 sks., lignite 2 sks., drispac 1 sk., hulls 85 sks. Bit weight 40,000, 1250# pump, rot 70, SPM 54. Note: Show of gas in Marmaton 'B' Zone 4764' - 4770'. 17 unit gas kick.
DST #2 4754' - 4775' (Marmaton 'B' Zone)
30-60-60-90
GTS 21 min. Gauged 6.8 MCF 30 min. Second opening gauged: Maximum of 20.4 MCF.
Recovered: 90' Mud
ICIP: 1428# IFP: 28-31#
FCIP: 1416# FFP: 22-81#
BHT: 120°

ABERCROMBIE RTD, INC.

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600' FNL & 1870' FEL
SECTION 13-28S-33W
HASKELL COUNTY, KS

OPERATOR: Abercrombie Energy, LLC
CONTRACTOR: Abercrombie RTD, Inc.
RIG #:3
JOB #: 2005309
PTD: 5650'

Abercrombie Energy, LLC
150 N. Main, Suite 801
Wichita, KS 67202
(316) 262-1841

ELEVATION: 2957' GL
2965' KB

API #15-081-21622-0000

TIGHT HOLE

- 12-16-05 4865' - Testing. Drilled 90' - 24 hrs., drilling 4 ½ hrs., trip 10 ½ hrs., rig check 1/4 hr., circulate 3 hrs., testing 4 ½ hrs., lay down tool 3/4 hr., WO tester ½ hr. Bit #2, 7 7/8" STC F271, SN: PC8855, in @ 1908'. Cut 2957' - 83 hrs. Mud weight 9.2, Viscosity 56, PV/YP 14/22, Gels 12/43, Water loss 8.0, pH 9.0, Chlorides 2,100, Solids 6.3%, LCM 4#. Daily Mud \$749.00, Accum. Mud \$12,791.00. Mud mix: gel 10 sks., caustic 1 sks., soda ash 3 sks., lignite 2 sks., drispac 1 sk., hulls 25 sks. Deviation - 3/4° @ 4865'. Bit weight 40,000, 1250# pump, rot 70, SPM 54. Note: Show of gas in Pawnee - 35 unit gas kick.
DST#3 4828' - 4865' (Pawnee Zone)
30-60-30-60
Steady 2" blow initial opening. 2nd opening decreased to surface blow.
Recovered: 60' mud - no show of gas or oil
ICIP: 1337# IFP: 17-35#
FCIP: 1309# FFP: 33-62#
BHT: 120°
- 12-17-05 5050' - CFS for DST #4. Drilled 185' - 24 hrs., drilling 10 hrs., trip 7 1/4 hrs., rig check 1/4 hr., circulate 2 hrs., testing 3 hrs., WO tester ½ hr., PU & laydown tool 1 hr. Bit #2, 7 7/8" STC F271, SN: PC8855, in @ 1908'. Cut 3142' - 93 hrs. Mud weight 9.0, Viscosity 55, PV/YP 14/19, Gels 11/41, Water loss 7.2, pH 10.0, Chlorides 1,900, Solids 6.4%, LCM 5#. Daily Mud \$318.00, Accum. Mud \$13,110.00. Mud mix: gel 45 sks., caustic 3 sks., soda ash 3 sks., lignite 2 sks., drispac 1 sk., hulls 35 sks. Bit weight 40,000, 1250# pump, rot 70, SPM 54. Note: shows in 3 different zones, oily residue in top zone, gas shows in bottom two zones - Slight odor - 8 unit gas kicks.
DST#4 4994' - 5050' (Atoka)
30-30-30-30
Very weak blow - died in 15 minutes.
Recovered: 15' mud
ICIP: 41# IFP: 19-19#
FCIP: 34# FFP: 18-20#
BHT - 118°
- 12-18-05 5226' - CFS. Drilled 176' - 24 hrs., drilling 7 3/4 hrs., trip 10 ½ hrs., rig check 1/4 hr., jet pits 1/4 hr., circulate 2 1/4 hrs., testing 2 hrs., PU & laydown tool 1 hr. Bit #2, 7 7/8" STC F271, SN: PC8855, in @ 1908'. Cut 3318' - 100 3/4 hrs. Mud weight 9.1, Viscosity 54, PV/YP 14/21, Gels 12/43, Water loss 7.2, pH 9.0, Chlorides 1,500, Solids 5.5%, LCM 5#. Daily Mud \$1,523.00, Accum. Mud \$14,633.00. Mud mix: gel 35 sks., caustic 3 sks., soda ash 3 sks., lignite 2 sks., drispac 1 sk., hulls 35 sks. Bit weight 35,000, 1000# pump, rot 70, SPM 48.

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HASKELL COUNTY, KS

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OPERATOR: Abercrombie Energy, LLC
CONTRACTOR: Abercrombie RTD, Inc.
RIG #:3
JOB #: 2005309
PTD: 5650'

ELEVATION: 2957' GL
2965' KB

API #15-081-21622-0000

TIGHT HOLE

- 12-19-05 5600' - Drilling. Drilled 374' - 24 hrs., drilling 22 hrs., rig check 3/4 hr., CFS 1 1/4 hrs. Bit #2, 7 7/8" STC F271, SN: PC8855, in @ 1908'. Cut 3692' - 122 3/4 hrs. Mud weight 9.1, Viscosity 60, PV/YP 14/19, Gels 12/40, Water loss 7.2, pH 9.0, Chlorides 1,500, Solids 6.3%, LCM 8#. Daily Mud \$805.00, Accum. Mud \$15,439.00. Mud mix: gel 85 sks., caustic 5 sks., soda ash 6 sks., lignite 3 sks., drispac 1 sk., hulls 75 sks. Bit weight 40,000, 1250# pump, rot 70, SPM 54. Will drill to 5629' RTD and log.
- 12-20-05 5629' - Lay down pipe to P&A. Drilled 29' - 24 hrs., drilling 1 1/2 hrs., trip 8 3/4 hrs., rig check 1/4 hr., circulate 4 1/2 hrs., logging 6 hrs., lay down pipe 2 1/2 hrs. Bit #2, 7 7/8" HTC F271, SN: PC8855, in @ 1908', out @ 5629'. Cut 3721' - 124 1/4 hrs. Mud weight 9.0, Viscosity 57, PV/YP 15/23, Gels 15/45, Water loss 7.2, pH 9.5, Chlorides 1,400, Solids 4.5%, LCM 6#. Daily Mud \$2,963.00, Accum. Mud \$18,402.00. Mud mix: gel 35 sks., caustic 2 sks., soda ash 2 sks., lignite 2 sks., drispac 1 sk., hulls 35 sks. Bit weight 40,000, 1250# pump, rot 70, SPM 54. Reached TD @ 10:30 a.m. 12-19-05. LTD 5631'.
- 12-21-05 Rig down. Circulate 1 hr., cellar work 1 hr., lay down pipe 1 hr., plugging 4 hrs., tear down 5 hrs. P&A. 1st plug @ 3300' w/100 sks., 2nd plug @ 1920' w/50 sks., 3rd plug @ 900' w/50 sks., 4th plug @ 60' w/20 sks., 15 sks. in rathole. Cemented with 60/40 Poz, 6% gel, 1/4# flocele. Plug down @ 1:00 p.m. 12-20-05.

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HASKELL COUNTY, KS

OPERATOR: Abercrombie Energy, LLC
CONTRACTOR: Abercrombie RTD, Inc.

RIG #:3
JOB #: 2005309
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TIGHT HOLE

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STRUCTURAL COMPARISON

Abercrombie's Calihan #1-13
600' FNL & 1870' FEL Sec. 13-28S-33W

Abercrombie's Cox #4-12
10' N & 70' W OF C NW SE Sec. 12-28S-33W

	SAMPLE TOPS		LOG TOPS		LOG DATUMS	COMPARISON
Heebner	4104'	-1139	4104'	-1139	-1145	+6'
Lansing	4187'	-1222	4203'	-1238	-1229	-9'
Lansing G	4430'	-1470	4435'	-1475	-1469	-6'
Kansas City A	4601'	-1636	4601'	-1636	-1631	-5'
Kansas City B	4656'	-1691	4657'	-1692	-1688	-4'
Marmaton	4741'	-1776	4741'	-1776	-1767	-9'
Marmaton "B"	4764'	-1799	4764'	-1799	-1797	-2'
Pawnee	4838'	-1873	4840'	-1875	-1870	-5'
Ft. Scott	4875'	-1910	4875'	-1910	-1904	-6'
Cher. Shale	4885'	-1920	4884'	-1919	-1915	-4'
Atoka	4986'	-2021	4984'	-2019	-2015	-4'
Morrow Sh.	5151'	-2186	5149'	-2184	-2177	-7'
Morrow SS	None		None		-2225	--
Chester			5317'	-2352	-2325	-27'
Chester SS	None		None		-2365	--
St. Genevieve	5402'	-2437	5390'	-2425	-2430	+5'
St. Louis	5450'	-2485	5447'	-2482	-2483	+1'
St. Louis B	5492'	-2527	5491'	-2526	-2527	+1'
St. Louis C	5556'	-2591	5555'	-2590	None	
St. Louis D			5590'	-2625	-2638	+13'
Total Depth	5629'	-2664	5631'	-2666	-2649	