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

API NO. 15- 171-205480000 County Scott DESCRIPTION OF WELL AND TRASE 100'-E of C SW NW sec. 12 Twp. 185 Rge. 32 Operator: License # 32457 Feet from SM (circle one) Line of Section 760 Name: Abercrombie Energy, LLC __ Feet from E(W) (circle one) Line of Section Address 150 N. Main, Suite 801 Footages Calculated from Nearest Outside Section Corner: NE, SE, (Ny) or SW (circle one) ____ Well # _4-12 [10] Lease Name ___Schowalter City/State/Zip Wichita, KS 67202 Field Name ___Beckley North Purchaser: Operator Contact Person: Steve Frankamp Producing Formation ____Cherokee Elevation: Ground 2966' KB 2971' Phone (316) 262-1841 __ PBTD __ Total Depth 4660 Contractor: Name: Pickrell Drilling Co., Inc. Amount of Surface Pipe Set and Cemented at 317 Feet License: _ 5123 Multiple Stage Cementing Collar Used? X Yes _____ No Wellsite Geologist: <u>RICHARD DAVIS</u> JR. If yes, show depth set ___1941 Designate Type of Completion X New Well ____ Re-Entry ___ Workover If Alternate II completion, cement circulated from 1941 SWD SIGW Drilling Fluid Management Plan ALT 2 94 8/31/00 Other (Core, WSW, Expl., Cathodic, etc) (Data must be collected from the Reserve Pit) RECEIVED If Workover: STATE CORPORAT Chloride Stantent _____ppm Fluid volume _____bbls Operator: _____ 802 Taring method used ____Evaporation Well Name: Old Total Depth CONSERVATION DIVISION Location of fluid disposal if hauled offsite: RELEASED __ Conv. to InjVSVAita, Kansasar Name ___ __ Re-perf. __ Plug Back Commingled Docket No. Dual Completion Docket No. Lease Name License No. Other (SWD or Inj?) Docket No. - Quarten Con CONFILMP. S Rng. E/W 6-20-00 6-23-00 6-12-00 Spud Date Date Reached TD Completion Date 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 <u>all</u> 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. K.C.C. OFFICE USE CHLY Letter of Confidentiality Attached Wireline Log Received Title Exec Vice Pres of Abercrombile RTD, Inc., Manager Geologist Report Received Subscribed and sworn to before me this 27th day of July Distribution 19 2000-SWD/Rep NGPA Notary Public _

SANDRA C. McCAIG NOTARY PUBLIC STATE OF KANSAS My Appl. Exp. 1:31-2

Date Commission Expires ___

1-31-02

Other Plug (Specify)

Form ACO-1 (7-91)

**	_	-	-

Operator Name	hercrombic	Energy IIC	SIDE TWO	Schowa	lter	Well #	· . 4-12
operator Mame	METCT OND TE	East		Scott	<u></u>	Well #	
Sec. 12 Twp. 189	32 Rge. <u>32</u>	East West	County	,	1.279		_ _
					a de la companya de La companya de la co		
INSTRUCTIONS: Show interval tested, tim nydrostatic pressure if more space is nee	me tool open a s, bottom hole	nd closed, flowing temperature, fluid r	and shut-in pres	sures, whet	her shut-in pre	ssure rea	ched static level.
rill Stem Tests Tak (Attach Additiona		X Yes □ No	☐ Log	Formatio	on (Top), Depth	and Datums	sample
Samples Sent to Geol	ogical Survey	☑ Yes ☐ No	Name		Тор		Datum
Cores Taken		Yes X No	See att	ached			
lectric Log Run (Submit Copy.)		⅓ Yes □ No					
ist All E.Logs Run:	Dual Indu	ction					
	•	ed Density	i I				
	Gamma Ray Microlog	-neutron Correlatio	on				÷
		·	<u> </u>				
	Report a	CASING RECORD	Ŭ New L Us	sed ntermediate,	production, et	c.	
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 ½"	8 5/8"	23#	317'	60-40 Poz	200	2% gel, 3% ¢
Production	7. 7/8"	41 "	9.5#	4654.51	ASC 50-50 Poz	198	10% salt CFR-2,
DV Tool			·	1941	Lite	450	7# gil/sx, 2% g e 4# FS
	ADDITIONAL C	EMENTING/SQUEEZE REC	CORD			15	In RH
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used		Type and Percen	t Additive	s
Protect Casing Plug Back TD			<i>a</i> .				·
Plug Off Zone							
Shots Per Foot	PERFORATION Specify Footag	RECORD - Bridge Place of Each Interval	ugs Set/Type Perforated	Acid, (Amount an	Fracture, Shot, d Kind of Mater	Cement Sq ial Used)	ueeze Record Depth
4	4582'-4586'			500 gal 1	5% MCA		
		<u> </u>				*	
TUBING RECORD	Size 2 3/8"	Set At 46221	Packer At None	Liner Run	☐ _{Yes} 区	No	
Date of First, Resum			ucing Method	owing RPur	mping 🗆 Gas Li	ft 🗆 Oti	ner (Explain)
stimated Production Per 24 Hours	0il 80	Bbls. Gas	Mcf Water		Gas-Oil		Gravity 29 [°]
sposition of Gas:	METHOD OF	COMPLETION			oduction Interva		
Vented Sold (If vented, sub	Used on L mit ACO-18.)	· —	Hole Perf.	Dually		ngled _	4582-86
			4-P-2111			-	
	•	•				*	
	•		•				

ABERCROMBIE ENERGY, LLC

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

SCHOWALTER #4-12

100' E OF C SW NW SEC 12-18S-32W SCOTT CO., KS

OPERATOR: Abercrombie Energy, LLC CONTRACTOR: Pickrell Drilling Co., Inc.

RIG #:10 JOB #:

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

Marmaton from 4337-4405.

ELEVATION: GL 2966' KB 2971'

API #15-171-20,548

					PAGE 1
06-12-00	MIRT			ENERGY SHOWALTER #3-12	WABASH SCHOWALTER #4
06-13-00	(On 6/12) Spud @ 4:45 p.m. Drilled 12 1/4" hole to 317'. Set new 23#, 8 5/8" @ 312' w/200 sks 60-40 poz, 2% gel, 3% cc, PD @ 10:45 p.m. Cement circ. Cement by Allied, ticket #5555. Survey @ 317' was ½° deviation. (On 6/13) WOC.	SAMPLE TOPS: Anhydrite Base/Anhydrite HB LAN MNCK STK BIKC	2302 (+669) 2321 (+650) 3916 (-945) 3964 (-993) 4140 (-1169) 4237 (-1266) 4319 (-1348)	-10 -12 -21 -20 -29 -34	FLAT +1 -5 -6 -11 -10
06-14-00	1885' - Drilling.	MARM PAW MYST FS	4366 (-1395) 4447 (-1476) 4479 (-1508) 4496 (-1525)	⁽ -36 -29 -30 -30	-7 -4 -5 -4
06-15-00	2955' - Drilling. RELEASED	CHER JOHN STRICKERT MISSISSIPPI RTD	4521 (-1550) 4566 (-1595) 4587 (-1616) 4595 (-1624) 4660	-33 -38 -37 -26	-5 -5 -6 +10
06-16-00	3465' - Drilling. DEC 1 7 2001	LOG TOPS:	3914 (-943)	-19	-3
06-17-00	FROM CONFIDENTIA. 4010' - Drilling.	LANS MUN CR STARK B/KC MARM	3961 (-990) 4138 (-1167) 4235 (-1264) 4319 (-1348) 4361 (-1390)	-17 -27 -32 -35 -31	-3 -3 -9 -8 -9 -2
06-18-00	4416' - Drilling.	PAW FT SCOTT CHER SH JOHNSON	4445 (-1474) 4495 (-1524) 4518 (-1547) 4560 (-1589)	-27 -29 -30 -32	-2 -3 -2 +1
06-19-00	4592' - Drilling. GIH for DST. DST #1 4570-4592 30-45-30-45 Weak blow died REC: 1' FO; 4' OCM FP: 15-19/20/21# SIP: 171-690#	STRICKERT MISS LTD	4582 (-1611) 4595 (-1624) 4658	-32 -26 REC	-1 +10 EIVED DITION COMMISSION
06-20-00	4660' - RTD. Logging has been completed. We are running a straddle test over the			AUG	3 1 2000

CONSERVATION DIVISION Wichita, Kansas

ABERCROMBIE ENERGY, LLC

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

SCHOWALTER #4-12

100' E OF C SW NW SEC 12-18S-32W SCOTT CO., KS OPERATOR: Abercrombie Energy, LLC CONTRACTOR: Pickrell Drilling Co., Inc.

RIG #:10 JOB #:

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

ELEVATION: GL 2966'

RELEASED

DEC 17.2001

FROM CONFIDENTIAL

KB 2971'

API #15-171-20,548

PAGE 2

06-21-00

DST#2 4337-4405

(Straddle test/Marmaton)

30-60-60-60

Blow off bottom in 25" on first open

Blow off bottom in 27" on second open

REC: 205' GIP

100' CGO (26° Gravity) 125' GMCO (62% Oil)

190' GMCO (38% Oil)

FP: 77-131; 137-199#

SIP: 1101-994#

We are encouraged by the recovery on DST#2, however, the bottom packer failed so we do not have a diagnostic test. With the packer failure, we actually tested the bottom 300 feet of the hole. The DST pressure charts show there are multiple zones involved in the shut-in pressures. We decided to re-test and are now on bottom with DST #3 covering 4335-4420

06-22-00

DST#3 4335-4420

30-60-60-90

REC: 555' GIP

160' CGO

150' GMCO (68% Oil)

120' HOCM (16% Oil)

FP: 121-151; 221-240#

SIP: 1074-1060#

The bottom packer failed during this test also. After conditioning the hole, we increased our anchor and dropped back in w/DST#4.

DST#4 4333-4458

30-60-30-90

Weak blow built to 3 1/2" 1st open

Weak surface blow 2nd open

REC: 130' SOCM (2% Oil)

FP: 47-68; 72-88#

SIP: 967-1034#

The bottom packer <u>held</u> on this test, but we lost our oil. Either the oil zone is in the bottom 200 feet of the hole, or the Marmaton <u>was</u> our oil zone and is either depleted or badly damaged. We are evaluating our options.

ABERCROMBIE ENERGY, LLC

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

SCHOWALTER #4-12

100' E OF C SW NW SEC 12-18S-32W SCOTT CO., KS OPERATOR: Abercrombie Energy, LLC CONTRACTOR: Pickrell Drilling Co., Inc.

RIG #:10 JOB #:

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

ELEVATION: GL 2966' KB 2971'

API #15-171-20,548

PAGE 3

06-23-00

DST#5 4458-4658

30-60-60-90

Strong blow off bottom in 3 minutes on 1st open

Blow off bottom in 18 minutes on 2nd open

REC: 370' GIP

260' CGO (26° Gravity) 295 SMCO 90% Oil FP: 142-189; 193-253#

FROM CONFIDENTIAL

RELEASED

DEC 172001

SIP: 1161-1131#

After condemning the Marmaton zone w/DST#4, we decided to test the bottom 200 feet of the hole again. DST#5 recovered good oil and the pressures were the best we have seen. We have decided to set 4 ½" production casing and further test the well through the pipe. We ran a microlog, which we have found helpful in other areas when dealing with thin, low porosity zones.

06-26-00

(On 6/23) Ran 116 jts of 4 ½" 9.5# Csg. Set @ 4654.5' KB, cmt w/100 sx ASC, 10% salt followed by 50 sk of 50-50 poz w/3/4 of 1% CFR-2, 7# gil/sx, 2% gel. (DV Tool @ 1941'). Cmt thru stage collar w/450 sx Lite w/1/4# FS/sx. 15sx in RH. Cmt circ. Completed @ 3:30 PM on 6-23-00. Allied ticket numbers 5593 and

ALLIEDCEMENTING CO., INCOME CONFIDENTIAL REMIT TO P.O. BOX 31 SERVICE POINT: RUSSELL, KANSAS 67665 Ockley ON LOCATION CALLED OUT SEC. RANGE JOB START howalter COUNTY WELL# LOCATION OLD OR NEW (Circle one) JUL 2 7 2000 Dek Co **CONTRACTOR** OWNER SurFace CONFIDENTIAL 317 **CEMENT DEPTH** AMOUNT ORDERED **DEPTH DEPTH DEPTH MINIMUM** COMMON_ POZMIX SHOE JOINT 5/2 **CEMENT LEFT IN CSG** @ **CHLORIDE** @ DISPLACEMENT (a) @ **EQUIPMENT** @ @ **PUMP TRUCK** CEMENTER. @ **HELPER HANDLING** SKS @ **BULK TRUCK** MSTATE CORPORATION COMMISSION RECEIVED 49 pr sk/milo # 222 BULK TRUCK DRIVER TOTAL 1972 50 RELEASED TUL 28 2000 **DRIVER** DEC 1 7.2001 CONSERVATION DIVISION **SERVICE** REMARKS: Wichita, Kansas FROM CONFIDENTIAL DEPTH OF JOB PUMP TRUCK CHARGE EXTRA FOOTAGE MILEAGE 30miles Surface @

CHARGE TO: Abercrombie Energy HC STREET __ **FLOAT EQUIPMENT** STATE _ @ @ @ To Allied Cementing Co., Inc.

TYPE OF JOB

CASING SIZE

TUBING SIZE

DRILL PIPE

PRES. MAX

MEAS. LINE

102

TOOL :

PERFS.

HOLE SIZE

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 El Alburnh

TOTAL _ TAX_

TOTAL CHARGE _

DISCOUNT -IF PAID IN 30 DAYS El Rbeveronbie

PRINTED NAME

ALLIED CEMENTING CO., INC. REMIT TO P.O. BOX 31 CONTROL RUSSELL, KANSAS 67665 OAKLLY SEC. RANGE CALLED OUT JOB START ON LOCATION IOR FINISH 32 W 3:0049 3130 PM WELL# 4-12 LOCATION SCOT OLD OR NEW (Circle one) JUL 8 7 2000 **CONTRACTOR** OWNER TYPE OF JOB PROJUC **CEMENT HOLE SIZE** AMOUNT ORDERED 4505 Rs LEAS **CASING SIZE DEPTH TUBING SIZE DEPTH** DRILL PIPE TOOL O-U PRES. MAX COMMON_ MEAS. LINE POZMIX CEMENT LEFT IN CSG. GEL CHLORIDE DISPLACEMENT Lite Flo-Seal **EQUIPMENT** CEMENTER 7 EARY **PUMP TRUCK** 191 HELPER DEAN MAY DUANE **BULK TRUCK** 44 per SKI mile LONNELEASED # 280 RELEASED **BULK TRUCK** DEC 17.2001 **DRIVER** DEC 17-2001 CAEN D-U-TOOL 750 REMARKS FROM CONFIDENTIAL FROM CONFIDENTIA: MIX 155x5 RATHOLE DEPTH OF JOB MIX 4355KS ON TOP STAGE DISPLACE WITH 318BL WATER PUMP TRUCK CHARGE CEMENT DID CIRCULATE, DU TOOL HOLD, EXTRA FOOTAGE MILEAGE 45 miles @ CHARGE TO: ABERCROMATE ENERGY LLC FLOAT EQUIPMENT STREET _____ _____ STATE _____ ZIP___ @ To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment TOTAL _ 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 TOTAL CHARGE _____ CONDITIONS" listed on the reverse side. _____ IF PAID IN 30 DAYS DISCOUNT -SIGNATURE Just May

ALLIED CEMENTING CO., INC. 5593

REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665	SERV	CICE POINT:
6-23-00 SEC. TWP. RANGE 32W CA	ALLED OUT ON LOCATION 3:00 Am	JOB START JOB FINISH 215 Pm
Sahawalta	F+Y 6E-1/2N-1W	COUNTY STATE Scott AS
OLD OR NEW (Circle one)		KGG
CONTRACTOR PECKRELL DRLG.	OWNER SAME	JUL 0.7 2000
TYPE OF JOB PROJUCTION STREET BETTOM STAGE	E'	
HOLE SIZE 7/8" T.D. 4660	CEMENT	
CASING SIZE 41/2" DEPTH 4662	AMOUNT ORDERED 100 50	
TUBING SIZE DEPTH	50 5ks 50/50 por 3/4 6F	
DRILL PIPE DEPTH TOOL 19-11 DEPTH 1941	2906EL 5006.	AL WFR-2
PRES. MAX MINIMUM	COMMON 25 SKS	@ 755 188 75
MEAS. LINE SHOE JOINT 22"	POZMIX 25 5ks	$\frac{6}{9}\frac{7}{3^{25}}\frac{100}{8/15}$
CEMENT LEFT IN CSG. 22'	GEL	
PERFS.	CHLORIDE	
DISPLACEMENT 44 /2 BBL WATER 318BL MUD	ASC 100 SKS	@ 905 905 00
EOUIPMENT TOTAL 75 188.	6il souite 315#	@ 41¢ 129 15
EQUITMENT	_CD-31 32 [±]	@ 445 142 40
PUMPTRUCK CEMENTER TEARY	500 gel UFR.2	@ 100 500 00
10.7		
# 191 HELPER DEAN MAX LOUNT L BULK TRUCK	HANDLING 150 SKS	@ 1=57 50
# 347 DRIVER DUANE	MILEAGE 44 por sk/2	i,6 270 °°
BULK TRUCK	RELEASED	
# DRIVER	١١ الله الله المسال الما المسال الما المسال الما الما	TOTAL 2, 374
	DEPTH OF JOB PUMP TRUCK CHARGE EXTRA FOOTAGE	4662' 1,080-00
PLUG AFA NOT LANDED, FLOAT HELD	MILEAGE 45 miles	@ 300 135 <u>00</u>
	PLUG	
CHARGE TO: Abek Chambec Energy, LLC		TOTAL 1, 215
отпрет	FLOAT EQU	IDMENT
STREET	TEORI EQU	II MENT
CITYSTATEZIP	1/ = 1/5	10 - 00
	1-GUEDE SHOE	_@
•	1- AFU FNSERT	@ <u>1/0 =</u>
	4-TURGO CENTRALIZERS	
	2-BASKEIS	@ 11/ <u>%</u> · 232 <u>%</u>
To Allied Cementing Co., Inc.	20- RECEP SCRATCHERS	29.00 580.00
You are hereby requested to rent cementing equipment		TOTAL 4 3/0-00
and furnish cementer and helper to assist owner or		TOTAL 4,367
contractor to do work as is listed. The above work was		
done to satisfaction and supervision of owner agent or	TAX	_
contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.	TOTAL CHARGE	
CONDITIONO IIsted on the reverse side.	DISCOUNT	IF PAID IN 30 DAYS
sed 1 1 1		
SIGNATURE Jucaly Called	<u>Gerold</u> PRINT	He hotes ED NAME