

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

RECEIVED

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

AUG 14 2004

KCC WICHITA

ORIGINAL

Operator: License # 32457  
 Name: ABERCROMBIE ENERGY, LLC  
 Address: 150 N. MAIN, SUITE 801  
 City/State/Zip: WICHITA, KS 67202-1383  
 Purchaser: ONEOK  
 Operator Contact Person: Steve Frankamp/Don Beauchamp  
 Phone: (316) 262-1841  
 Contractor: Name: DUKE DRILLING CO.  
 License: 5929  
 Wellsite Geologist: ARDEN RATZLAFF  
 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>07-09-01</u>	<u>07-18-01</u>	<u>07-31-01</u>
Spud Date or	Date Reached TD	Completion Date or
Recompletion Date		Recompletion Date

API No. 15 - 007-22660-0000  
 County: BARBER  
 SE SE SE Sec. 5 Twp. 30 S. R. 15  East  West  
400 feet from (S) N (circle one) Line of Section  
360 feet from (E) W (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE SE NW SW  
 Lease Name: LEE RANCH Well #: 1-5 TWIN  
 Field Name: WILDCAT  
 Producing Formation: CHEROKEE SAND  
 Elevation: Ground: 1973 Kelly Bushing: 1981  
 Total Depth: 4749 Plug Back Total Depth: \_\_\_\_\_  
 Amount of Surface Pipe Set and Cemented at 346 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 cmf.  
 Drilling Fluid Management Plan Alt 1 8/15/01 AB  
 (Data must be collected from the Reserve Pit)  
 Chloride content 11,000 ppm Fluid volume 1,800 bbls  
 Dewatering method used Hauled free fluids  
 Location of fluid disposal if hauled offsite:  
 Operator Name: KBW Oil & Gas Co.  
 Lease Name: Harmon SWD License No.: 5993  
 Quarter \_\_\_\_\_ Sec. 11 Twp. 33 S. R. 20  East  West  
 County: Comanche Docket No.: D-9,832

**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: Steve Frankamp  
 Title: Exec. V. Pres. of Abercrombie  
RTD, Inc., Manager Date: 8-13-01  
 Subscribed and sworn to before me this 13<sup>th</sup> day of August  
2001.  
 Notary Public: Deborah K. Ammerman  
 Date Commission Expires: 3-1-2004

KCC Office Use ONLY

Letter of Confidentiality Attached  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
KCC



X

Operator Name: ABERCROMBIE ENERGY, LLC Lease Name: LEE RANCH Well #: 1-5 TWIN  
 Sec. 5 Twp. 30 S. R. 15  East  West County: BARBER

**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)

List All E. Logs Run:  
 DUAL INDUCTION LOG  
 DUAL COMPENSATED POROSITY LOG  
 DETAILED FROM

<input checked="" type="checkbox"/> Log		Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum	
Heebner	3895	-1914	
Brown Lime	4069	-2088	
Lansing	4084	-2103	
Cher Sand	4592	-2611	
Maquoketa	4655	-2674	
Viola	4691	-2710	
Total Depth	4749		

CASING RECORD <input checked="" 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	12 1/4"	8 5/8"	20#	346'	60/40 Poz Class A	200 50	2% gel, 3% cc
Production	7 7/8"	4 1/2"	10.5#	4746'	60/40 Poz Common	50 150	2% gel + 12% salt

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TO				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	4593 - 4599		

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 3/8"	4594'	--	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.		Producing Method <input checked="" 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
		1,200 MCFPD			

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

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

Production Interval 4593 - 4599'

LEE RANCH #1-5 TWIN

400' FSL & 360' FEL

Section 5-30S-15W

Barber County, KS

DRILL STEM TESTS

DST#1 4549' - 4604'

30-60-60-120

Strong blow, gas to surface 2 1/2 min. gauged as follows:

1<sup>st</sup> Opening: 2,240 MCF 5 min.  
2,777 MCF 10 min.  
2,979 MCF 20 min.  
3,008 MCF 30 min.  
2<sup>nd</sup> Opening: 2,414 MCF 5 min.  
2,892 MCF 10 min.  
2,965 MCF 20 min.  
2,863 MCF 30 min.  
2,820 MCF 40 min.  
2,777 MCF 50 min.  
2,777 MCF 60 min.

Recovered: 20' gcm

IFP: 642-645#

FFP: 620/606#

ISIP: 1563#

FSIP: 1556#

DST#2 4679' - 4704'

30-60-60-90

Very weak blow

Recovered: 15' VSGCM w/scum oil

IFP: 20/21#

FFP: 20/21#

ISIP: 93#

FSIP: 180#

BHT - 121°

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AUG 14 2001

KCC WICHITA

# ALLIED CEMENTING CO., INC. 7466

Federal Tax I.D.# 48-0727860

JUL 27 2001

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

SERVICE POINT:

ORIGINAL Med Lodge

DATE <u>7-18-01</u>	SEC. <u>5</u>	TWP. <u>30S</u>	RANGE <u>15W</u>	CALLED OUT <u>5:00 PM</u>	ON LOCATION <u>9:15 PM</u>	JOB START <u>1:15 AM</u>	JOB FINISH <u>2:00 AM</u>
LEASE <u>Lee Ranch</u>	WELL# <u>1-5</u>	LOCATION <u>Croft 3.5 to eattle</u>	COUNTY <u>Barber</u>	STATE <u>KS</u>			
OLD OR <u>NEW</u> (Circle one)			<u>guard 1/4 E</u>				

CONTRACTOR A Dyke #2  
 TYPE OF JOB Production  
 HOLE SIZE 7 7/8 T.D. 4750  
 CASING SIZE 4 1/2 x 10.5 DEPTH 4746  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL AFU Insert DEPTH 4703  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT 42.89  
 CEMENT LEFT IN CSG. \_\_\_\_\_

OWNER Abercrombie Energy  
 CEMENT  
 AMOUNT ORDERED 75 sx 60-40-2 + 12#  
Kol-seal + 75% CD-31  
150 sx Class A + 18% salt

DISPLACEMENT 75 BBLs 2% KCL water

EQUIPMENT

PUMP TRUCK # 343 CEMENTER Justin Hart  
 HELPER Mark Brungardt  
 BULK TRUCK # 364 DRIVER Eric Brewer  
 BULK TRUCK # \_\_\_\_\_ DRIVER \_\_\_\_\_

COMMON A	<u>195</u>	@	<u>6.65</u>	<u>1296.75</u>
POZMIX	<u>30</u>	@	<u>3.55</u>	<u>106.50</u>
GEL	<u>1</u>	@	<u>10.00</u>	<u>10.00</u>
CHLORIDE		@		
KOL-SEAL	<u>900#</u>	@	<u>.50</u>	<u>450.00</u>
CD-31	<u>48#</u>	@	<u>5.50</u>	<u>264.00</u>
SALT	<u>21</u>	@	<u>7.50</u>	<u>157.50</u>
ASF	<u>500 BALS</u>	@	<u>1.00</u>	<u>500.00</u>
CLAPRO	<u>8 BALS</u>	@	<u>22.90</u>	<u>183.20</u>
HANDLING	<u>265</u>	@	<u>1.10</u>	<u>291.50</u>
MILEAGE	<u>265 x 30</u>	@	<u>.04</u>	<u>318.00</u>

TOTAL 3577.45

REMARKS:

Pipe on Bottom Drop Ball Break  
Circ while Reciprocating  
Pump Flush ASF 10 BBLs 5 water  
Plug Rat + Mouse 25 sx 60-40-2  
Mix 50 sx scavenger Mix 150 sx class A  
18% salt @ 15.8# 32 BBLs wash pump  
+ lines Release Plug Disp 75 BBLs 2%  
KCL water Bump Plug 700# to 1300#  
Release Press Float Held

SERVICE

DEPTH OF JOB	<u>4750</u>		
PUMP TRUCK CHARGE			<u>1264.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>30</u>	@	<u>3.00</u>
PLUG	<u>4 1/2 TRP</u>	@	<u>48.00</u>
		@	
		@	

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TOTAL 1402.00

AUG 14 2001

FLOAT EQUIPMENT  
KCC WICHITA

<u>1/2</u>			
<u>1- Guide Shoe</u>	@	<u>125.00</u>	<u>125.00</u>
<u>1- AFU Insert</u>	@	<u>210.00</u>	<u>210.00</u>
<u>4- Centralizers</u>	@	<u>45.00</u>	<u>270.00</u>
<u>15- Recip. Scratchers</u>	@	<u>29.00</u>	<u>435.00</u>
	@		

TOTAL 1040.00

CHARGE TO: Abercrombie Energy  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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 EL Abercrombie

TAX \_\_\_\_\_  
 TOTAL CHARGE 6019.45  
 DISCOUNT 601.95 IF PAID IN 30 DAYS  
5417.50  
 EL Abercrombie  
 PRINTED NAME

# ALLIED CEMENTING CO., INC.

7355

ORIGINAL

Federal Tax I.D.# 48-0727860

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

SERVICE POINT:  
Med. Lodge

DATE <u>7-9-01</u>	SEC. <u>5</u>	TWP. <u>30s</u>	RANGE <u>15W</u>	CALLED OUT <u>6:00 PM</u>	ON LOCATION <u>7:30 PM</u>	JOB START <u>11:10 PM</u>	JOB FINISH <u>11:30 PM</u>
LEASE <u>CEE</u>	WELL # <u>1-5</u>	LOCATION <u>CROFTS 3s, 14E</u>			COUNTY <u>BARBER</u>	STATE <u>KANSAS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR DUKE #2

TYPE OF JOB SURFACE SEA

HOLE SIZE 12 1/4" T.D. 349'

CASING SIZE 8 5/8" DEPTH 346'

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

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

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

PRES. MAX 400# MINIMUM \_\_\_\_\_

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

CEMENT LEFT IN CSG. 15'

PERFS. \_\_\_\_\_

DISPLACEMENT 21 BBLs WATER

OWNER ABERCROMBIE ENERGY

CEMENT AMOUNT ORDERED

200# 60:40:2 + 3% CAC

50# CLASS A + 3% CAC

COMMON	<u>170</u>	@	<u>6.65</u>	<u>1130.50</u>
POZMIX	<u>80</u>	@	<u>3.55</u>	<u>284.00</u>
GEL	<u>3</u>	@	<u>10.00</u>	<u>30.00</u>
CHLORIDE	<u>8</u>	@	<u>30.00</u>	<u>240.00</u>
_____	_____	@	_____	_____
_____	_____	@	_____	_____
_____	_____	@	_____	_____
_____	_____	@	_____	_____
_____	_____	@	_____	_____
HANDLING	<u>261</u>	@	<u>1.10</u>	<u>287.10</u>
MILEAGE	<u>261 x 30</u>	@	<u>.04</u>	<u>313.20</u>

TOTAL 2284.80

EQUIPMENT

PUMP TRUCK CEMENTER KEVIN BRUNBARDT

# 3S9-265 HELPER CARL BALDING

BULK TRUCK

# 261-251 DRIVER KEVIN CONGROVE

BULK TRUCK

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

REMARKS:

RUN 8 5/8" CG. + CIRCULATE

PUMP 3 BBLs WATER

MIX 200# 60:40:2 + 3% CC

MIX 50# CLASS A + 3% CC

DISPLACE PLUG TO 300' WITH

21 BBLs FRESH WATER

CEMENT DIO CIRCULATE

SERVICE

DEPTH OF JOB	<u>346'</u>		
PUMP TRUCK CHARGE	<u>0-300'</u>		<u>520.00</u>
EXTRA FOOTAGE	<u>46'</u>	@	<u>.50</u> <u>23.00</u>
MILEAGE	<u>30</u>	@	<u>3.00</u> <u>90.00</u>
PLUG	<u>8 5/8" TWP</u>	@	<u>45.00</u> <u>45.00</u>
_____	_____	@	_____
_____	_____	@	_____

TOTAL 678.00

CHARGE TO: ABERCROMBIE ENERGY

STREET \_\_\_\_\_

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

FLOAT EQUIPMENT

RECEIVED

_____	@	_____
<u>AUG 14 2001</u>	@	_____
_____	@	_____
<u>KCC WICHITA</u>	@	_____
_____	@	_____

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 2962.80

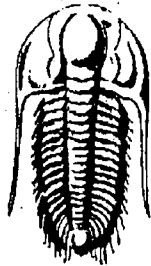
DISCOUNT 296.28 IF PAID IN 30 DAYS

2666.52

SIGNATURE E.L. Abercrombie

E.L. ABERCROMBIE  
PRINTED NAME

JUL 24 2001



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Prepared For: **Abercrombie Energy LLC**

150 N Main #801  
Wichita KS 67202

**ORIGINAL**

ATTN: Arden Ratzlaff

**5-30S-15W Barber KS**

**Lee Ranch "1-5"**

Start Date: 2001.07.16 @ 17:20:05

End Date: 2001.07.17 @ 01:32:05

Job Ticket #: 14808      DST #: 1

**RECEIVED**

**AUG 14 2001**

**KCC WICHITA**

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Abercrombie Energy LLC

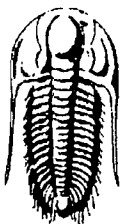
Lee Ranch "1-5"

5-30S-15W Barber KS

DST # 1

Cherokee Sd.

2001.07.16



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Abercrombie Energy LLC

Lee Ranch "1-5"

150 N Main #801  
Wichita KS 67202

5-30S-15W Barber KS

Job Ticket: 14808

DST#:1

ATTN: Arden Ratzlaff

Test Start: 2001.07.16 @ 17:20:05

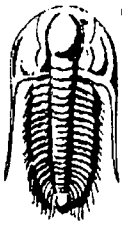
**Tool Information**

Drill Pipe:	Length: 4539.00 ft	Diameter: 3.80 inches	Volume: 63.67 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 13000.00 lb
			<u>Total Volume: 63.67 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4549.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	77.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			4528.00	
S.I. Tool	5.00			4533.00	
HMV	5.00			4538.00	
Safety Joint	2.00			4540.00	
Packer	4.00			4544.00	22.00 Bottom Of Top Packer
Packer	5.00			4549.00	
Stubb	1.00			4550.00	
Perforations	1.00			4551.00	
Recorder	0.00	3289	Inside	4551.00	
Perforations	19.00			4570.00	
C.O. Sub	1.00			4571.00	
Blank Spacing	30.00			4601.00	
Recorder	0.00	10242	Inside	4601.00	
C.O. Sub	1.00			4602.00	
Bullnose	2.00			4604.00	55.00 Bottom Packers & Anchor

**Total Tool Length: 77.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**GAS RATES**

Abercrombie Energy LLC

Lee Ranch "1-5"

150 N Main #801  
Wichita KS 67202

5-30S-15W Barber KS

Job Ticket: 14808

DST#: 1

ATTN: Arden Ratzlaff

Test Start: 2001.07.16 @ 17:20:05

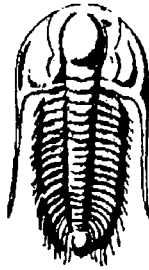
## Gas Rates Information

Temperature: 59 deg C  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m <sup>3</sup> /d)
1	5	0.75	140.00	2411.71
1	5	0.75	140.00	2411.71
1	10	0.75	177.00	2989.64
1	20	0.75	191.00	3208.32
1	30	0.75	193.00	3239.56
2	5	0.75	152.00	2599.14
2	10	0.75	185.00	3114.60
2	20	0.75	190.00	3192.70
2	30	0.75	183.00	3083.36
2	40	0.75	180.00	3036.50
2	50	0.75	177.00	2989.64





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy LLC**

150 N Main #801  
Wichita KS 67202

ATTN: Arden Ratzlaff

**5-30S-15W Barber KS**

**Lee Ranch "1-5"**

Start Date: 2001.07.17 @ 17:28:03

End Date: 2001.07.18 @ 01:03:33

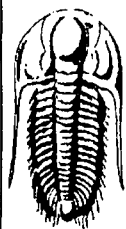
Job Ticket #: 14809                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Abercrombie Energy LLC  
Lee Ranch "1-5"  
5-30S-15W Barber KS  
DST # 2  
Viola  
2001.07.17



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

TOOL DIAGRAM

Abercrombie Energy LLC

Lee Ranch "1-5"

150 N Main #801  
Wichita KS 67202

5-30S-15W Barber KS

Job Ticket: 14809

DST#: 2

ATTN: Arden Ratzlaff

Test Start: 2001.07.17 @ 17:28:03

## Tool Information

Drill Pipe:	Length: 4663.00 ft	Diameter: 3.80 inches	Volume: 65.41 bbl	Tool Weight: 1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 18000.00 lb
			<u>Total Volume: 65.41 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4679.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	47.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

C.O. Sub	1.00			4658.00	
S.I. Tool	5.00			4663.00	
HMV	5.00			4668.00	
Safety Joint	2.00			4670.00	
Packer	4.00			4674.00	22.00 Bottom Of Top Packer
Packer	5.00			4679.00	
Stubb	1.00			4680.00	
Perforations	1.00			4681.00	
Recorder	0.00	3289	inside	4681.00	
Perforations	21.00			4702.00	
Recorder	0.00	10242	inside	4702.00	
Bullnose	2.00			4704.00	25.00 Bottom Packers & Anchor

**Total Tool Length: 47.00**

