

CONFIDENTIAL

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

ORIGINAL

Form ACO-1
June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

3/31/13

**WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # 4767
Name: Ritchie Exploration, Inc.
Address 1: P.O. Box 783188
Address 2: _____
City: Wichita State: KS Zip: 67278 + 3188
Contact Person: John Niemberger
Phone: (316) 691-500
CONTRACTOR: License # 30606
Name: Murfyn Drilling Co., Inc.
Wellsite Geologist: Wes Hansen
Purchaser: NCRA

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Designate Type of Completion:
 New Well Re-Entry Workover
 Oil WSW SWD SIOW
 Gas D&A ENHR SIGW
 OG GSW Temp. Abd.
 CM (Coal Bed Methane)
 Cathodic Other (Core, Expl., 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 Conv. to SWD
 Conv. to GSW
 Plug Back: _____ Plug Back Total Depth
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____

12/17/10 1/3/11 1/4/11
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 109-20967-00-00
Spot Description: 170' N & 110' W of
W/2 NE SE Sec. 36 Twp. 13 S. R. 32 East West
2,150 Feet from North / South Line of Section
1,100 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Logan
Lease Name: Stucky 36D Well #: 4
Field Name: _____
Producing Formation: Johnson
Elevation: Ground: 2901 Kelly Bushing: 2911
Total Depth: 4730 Plug Back Total Depth: 4663
Amount of Surface Pipe Set and Cemented at: 223 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 2371 Feet
If Alternate II completion, cement circulated from: surface
feet depth to: 2371 w/ 285 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 7000 ppm Fluid volume: 790 bbls
Dewatering method used: evaporation
Location of fluid disposal if hauled offsite:
Operator Name: _____
Lease Name: _____ License #: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Permit #: _____

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.

AFFIDAVIT

I am the affiant and I hereby certify that 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: _____
Title: Production Manager Date: 3/31/11

KCC Office Use ONLY **RECEIVED**
 Letter of Confidentiality Received Date: 3/31/11 - 3/31/13
 Confidential Release Date:
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: NO Date: 4-7-11
APR 01 2011
KCC WICHITA

Operator Name: Ritchie Exploration, Inc. Lease Name: Stucky 36D Well #: 4

Sec. 36 Twp. 13 S. R. 32 East West County: Logan

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 complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Compensated Density/Neutron Log Dual Induction Log	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample Name Top Datum SEE ATTACHED <div style="text-align: right; font-weight: bold; font-size: 1.2em;"> KCC MAR 31 2011 CONFIDENTIAL </div>
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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	23#	223	common	175	3% cc, 2% gel
Production	7-7/8	5-1/2	15.5#	4717	ASC	200	10% salt, 2% gel, 3/4% CD-31

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 TD <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	4544.5' - 4555.5' (2/28/11)	750 gallons 15% NE	

TUBING RECORD: Size: <u>2-3/8"</u> Set At: <u>4660'</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>3/17/11</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls. <u>2.08</u>	Gas Mcf 	Water Bbls. <u>.22</u> Gas-Oil Ratio Gravity <u>33.4</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <div style="text-align: right; font-weight: bold; font-size: 1.2em;"> RECEIVED APR 01 2011 KCC WICHITA </div>
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Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202



#4 Stucky 36 D

2,150' FSL & 1,100' FEL

170' N & 110' W/2 of NE SE Section 36-13S-32W

Logan County, Kansas

API# 15-109-20967-0000

Elevation: GL: 2901', KB: 2911'

<u>Sample Tops</u>			<u>Ref.</u> <u>Well</u>
Anhydrite	2391'	+520	-1
B/Anhydrite	2417'	+494	-5
Heebner	3909'	-998	-16
Lansing	3953'	-1042	-13
LKC "C"	3989'	-1078	-9
LKC "D"	4000'	-1089	-8
LKC "E"	4031'	-1120	-15
Muncie Shale	4115'	-1204	-22
LKC "H"	4129'	-1218	-20
Stark Shale	4201'	-1290	-16
Hush.	4238'	-1327	-19
BKC	4280'	-1369	-21
Marmaton	4310'	-1399	-19
Altamont	4344'	-1433	-30
Pawnee	4413'	-1502	-27
Myric Station	4452'	-1541	-27
Fort Scott	4470'	-1559	-29
Cherokee Shale	4498'	-1587	-30
Johnson	4538'	-1627	-27
Morrow	4582'	-1671	-29
Mississippian	4664'	-1753	-102
RTD	4730'	-1819	

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ALLIED CEMENTING CO., LLC. 040801

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

SERVICE POINT:

Oakley KS

1-4-10

DATE <u>1-3-11</u>	SEC <u>38</u>	RWP <u>18</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION <u>4:00pm</u>	JOB START <u>7:30am</u>	JOB FINISH <u>9:00am</u>
LEASE <u>36-D</u>	WELL# <u>#4</u>	LOCATION <u>Oakley S. Navajo Rd</u>			COUNTY <u>Logan</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>				<u>2126-1125 W</u>			

CONTRACTOR <u>Munfin #14</u>	OWNER
TYPE OF JOB <u>Production</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>4730'</u>
CASING SIZE <u>5 1/2</u>	DEPTH <u>4717'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL P-Collar <u>#61</u>	DEPTH <u>2351'</u>
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>23'</u>
CEMENT LEFT IN CSG. <u>23'</u>	
PERFS.	
DISPLACEMENT <u>111.7</u>	

EQUIPMENT

PUMP TRUCK	CEMENTER <u>Fuzzy</u>
# <u>423</u>	HELPER <u>Alan</u>
BULK TRUCK	
# <u>394</u>	DRIVER <u>Kern (R)</u>
BULK TRUCK	
#	DRIVER

CEMENT		
AMOUNT ORDERED	<u>250 ASC 1090914</u>	
	<u>29 gal 5* 9.1/1K 3/4 9cc B.31</u>	
	<u>500 gal WFA II</u>	
COMMON	@	
POZMIX	@	
GEL	<u>5</u> @ <u>20.00</u>	<u>100.00</u>
CHLORIDE	@	
ASC	<u>250</u> @ <u>18.60</u>	<u>4650.00</u>
	@	
Gilsonite	<u>1250</u> @ <u>.89</u>	<u>1112.50</u>
	@	
Salt	<u>285</u> @ <u>23.45</u>	<u>670.00</u>
	@	
CD-31	<u>176</u> @ <u>9.35</u>	<u>1645.60</u>
	@	
WFA II	<u>500 gal</u> @ <u>1.27</u>	<u>635.00</u>
HANDLING	<u>3.11</u> @ <u>2.48</u>	<u>746.48</u>
MILEAGE	<u>10.95</u> @ <u>57.00</u>	<u>622.00</u>
TOTAL		<u>10186.00</u>

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REMARKS:

Pump 55 gal water 500 gal WFA II
55 gal water mix 209Ks MH-309K RH
mix 200Ks cement down csg.
wash pump + hoses. Drop plus
+ displace to insert. 1200
Wt 1700 and slot hold
plus down @ 9:00am
Thanks Fuzzy crew

SERVICE

DEPTH OF JOB	<u>4717'</u>	
PUMP TRUCK CHARGE		<u>2185.00</u>
EXTRA FOOTAGE	@	
MILEAGE	<u>20</u> @ <u>7.00</u>	<u>140.00</u>
MANIFOLD	@	
	@	
	@	
TOTAL		<u>2325.00</u>

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CHARGE TO: Ridgic Exploration
STREET _____
CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

5 1/2

1- AZU Insult		<u>112.00</u>
1-G. Shop	@	<u>101.00</u>
1-P-Collar	@	<u>1750.00</u>
1- Basket (W)	@	<u>186.00</u>
3- Baskets	@ <u>161.00</u>	<u>483.00</u>
7- Turboblizers	@ <u>42.00</u>	<u>294.00</u>
1- Rubber plug		<u>67.00</u>
TOTAL		<u>2993.00</u>

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) 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 and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME _____

SIGNATURE Thomas A. [Signature]

SALES TAX (If Any) _____
TOTAL CHARGES _____
DISCOUNT _____ IF PAID IN 30 DAYS

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KCC WICHITA

ALLIED CEMENTING CO., LLC. 035540

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

SERVICE POINT:

Rakla K1

DATE <u>1/10/11</u>	SEC <u>38</u>	TWP. <u>13</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>STUCK</u>	WELL # <u>360</u>	# <u>4</u>	LOCATION <u>Rakla 5 TO Navajo Rd 2</u>	COUNTY <u>Logan</u>	STATE <u>K1</u>		
OLD OR (NEW) (Circle one)			<u>1/2 S with 20</u>				

CONTRACTOR Express well service
 TYPE OF JOB port collar
 HOLE SIZE _____ T.D. _____
 CASING SIZE 5 1/2 DEPTH _____
 TUBING SIZE 2 1/8 DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL port collar DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT B-D

OWNER Same
 CEMENT
 AMOUNT ORDERED 450 SK 60/40 679 gal
14 lb P/O Seal
500 lb shells used 285 SK
 COMMON 171 @ 5.45 2641.95
 POZMIX 114 @ 8.00 912.00
 GEL 15 @ 20.00 312.00
 CHLORIDE @ _____
 ASC @ _____

EQUIPMENT
 PUMP TRUCK CEMENTER Alan - Fuzzy
 # 422 HELPER Wayne
 BULK TRUCK # 396 DRIVER James
 BULK TRUCK # _____ DRIVER _____

Ro Seal 71 @ 2.50 177.50
Hulls 200 lb @ 31.25 127.40
 HANDLING 488 SK @ 2.40 1171.20
 MILEAGE 10.4 SK/mile @ _____ 976.00
 TOTAL 6318.05

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REMARKS:

Test tool to 1200 ft. Op. Tool, Est. Rate. Min
285 SK, 60/40 679 gal, 14 lb P/O Seal, 13.8 gal
1/2 P. Close - Test tool to 1200 ft. 5 JT
Reverse Clean

SERVICE

DEPTH OF JOB _____
 PUMP TRUCK CHARGE _____ 2511.00
 EXTRA FOOTAGE @ _____
 MILEAGE 20 @ 7.00 140.00
 MANIFOLD @ _____
 TOTAL 2151.00

CHARGE TO: Ritchie Exploration
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

 @ _____
 @ _____
 @ _____
 @ _____
 @ _____
 TOTAL _____

Ally - AC mullc
Ron mullc
Allied

To Allied Cementing Co., LLC.
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PRINTED NAME _____
 SIGNATURE [Signature]

SALES TAX (If Any) _____
 TOTAL CHARGES _____
 DISCOUNT _____ IF PAID IN 30 DAYS

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 KCC WICHITA

[Signature]

ALLIED CEMENTING CO., LLC. 040792

F1

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

SERVICE POINT: DATE 2/15

DATE <u>12-17-10</u>	SEC <u>38</u>	TRIP <u>15</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION <u>7:30 am</u>	JOB START <u>11:00 am</u>	JOB FINISH <u>11:30 am</u>
LEASE <u>aduc bay #21</u>		WELL # <u>36-D</u>		LOCATION <u>Osage 105-7C-125</u>		COUNTY <u>logan</u>	STATE <u>KS</u>
OLD OR NEW (Circle one) <u>NEW</u>				w + s r			

CONTRACTOR Mudwin #14

TYPE OF JOB Surface

HOLE SIZE 17 1/4" T.D. 226'

CASING SIZE 8 1/2" DEPTH 226'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT 13.9 BALS

OWNER

CEMENT

AMOUNT ORDERED 175 com 390 cc

290 cc

COMMON	<u>175</u>	@	<u>15.45</u>	<u>2703.25</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>20.80</u>	<u>62.40</u>
CHLORIDE	<u>6</u>	@	<u>58.20</u>	<u>349.20</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>184</u>	@	<u>2.40</u>	<u>441.60</u>
MILEAGE	<u>10 x 12 mile</u>			<u>368.00</u>
TOTAL				<u>3924.95</u>

EQUIPMENT

PUMP TRUCK CEMENTER Ruzzo

431 HELPER Kelly

BULK TRUCK

396 DRIVER Scary

BULK TRUCK

DRIVER

REMARKS:

Cement did circulate

Approx 4 BALS

Job complete @ 11:55 am

Thanks Ruzzo crew

CHARGE TO: Ritchie Exploration

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB 226'

PUMP TRUCK CHARGE 1018.00

EXTRA FOOTAGE @

MILEAGE 20 @ 7.00 140.00

MANIFOLD @

TOTAL 1158.00

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

To Allied Cementing Co., LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) 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 and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Craig Unruh

SIGNATURE Craig Unruh

SALES TAX (If Any)

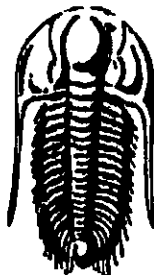
TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

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TR



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Ritchie Exploration, Inc.**

8100 E. 22nd St. N #700
Box 783188
Wichita, KS 67278

ATTN: Wes Hanson

36 13 32 Logan KS

Stucky 36D #4

Start Date: 2010.12.30 @ 07:16:00

End Date: 2010.12.30 @ 14:54:15

Job Ticket #: 041193 DST #: 1

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Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

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Ritchie Exploration, Inc.

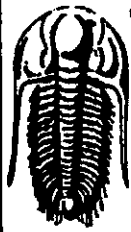
Stucky 36D #4

36 13 32 Logan KS

DST # 1

Lansing C-G

2010.12.30



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Ritchie Exploration, Inc.

8100 E. 22nd St. N#700
Box 783188
Wichita, KS 67278
ATTN: Wes Hanson

Stucky 36D #4

36 13 32 Logan KS

Job Ticket: 041193

DST#: 1

Test Start: 2010.12.30 @ 07:16:00

GENERAL INFORMATION:

Formation: **Lansing C-G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:27:45

Time Test Ended: 14:54:15

Test Type: Conventional Bottom Hole

Tester: Bradley Walter

Unit No: 28

Interval: **3970.00 ft (KB) To 4080.00 ft (KB) (TVD)**

Total Depth: **4080.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: Fair

Reference Elevations: 2911.00 ft (KB)

2901.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8654

Inside

Press@RunDepth: 625.73 psig @ 3971.00 ft (KB)

Start Date: 2010.12.30

End Date: 2010.12.30

Start Time: 07:16:05

End Time: 14:54:14

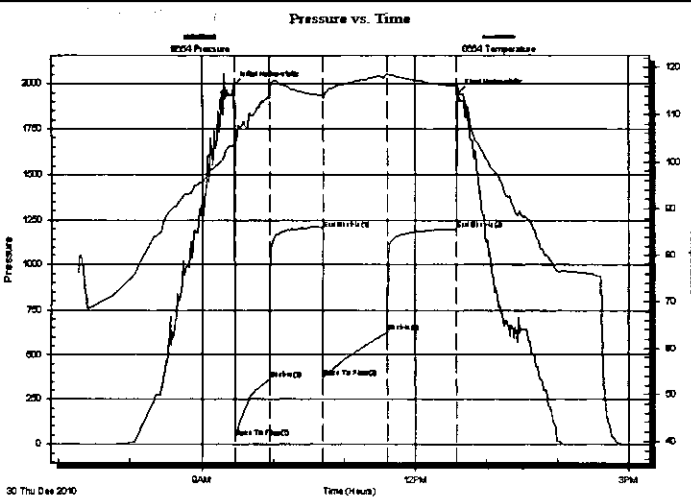
Capacity: 8000.00 psig

Last Calib.: 2010.12.30

Time On Btm: 2010.12.30 @ 09:27:15

Time Off Btm: 2010.12.30 @ 12:36:15

TEST COMMENT: IF: BOB 7 minutes.
IS: No return blow.
FF: Built to 5 inches receded to 2 inches blow.
FS: No return blow.



PRESSURE SUMMARY

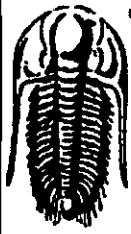
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1988.62	103.55	Initial Hydro-static
1	41.04	102.50	Open To Flow (1)
30	362.58	113.38	Shut-In(1)
75	1202.44	113.98	End Shut-In(1)
75	374.78	113.59	Open To Flow (2)
130	625.73	118.68	Shut-In(2)
188	1203.68	116.09	End Shut-In(2)
189	1945.53	115.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
950.00	mcw 10% m 90% w	8.25
505.00	mcw 30% m 70% w	7.08

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ritchie Exploration, Inc.

Stucky 36D #4

8100 E. 22nd St. N#700
Box 783188
Wichita, KS 67278
ATTN: Wes Hanson

36 13 32 Logan KS

Job Ticket: 041193

DST#: 1

Test Start: 2010.12.30 @ 07:16:00

Tool Information

Drill Pipe:	Length: 3403.00 ft	Diameter: 3.80 inches	Volume: 47.74 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 557.00 ft	Diameter: 2.25 inches	Volume: 2.74 bbl	Weight to Pull Loose: 81000.00 lb
		Total Volume:	50.48 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	3970.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	110.00 ft			
Tool Length:	138.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3943.00	
Shut In Tool	5.00			3948.00	
Hydraulic tool	5.00			3953.00	
Jars	5.00			3958.00	
Safety Joint	2.00			3960.00	
Packer	5.00			3965.00	28.00 Bottom Of Top Packer
Packer	5.00			3970.00	
Stubb	1.00			3971.00	
Recorder	0.00	8654	Inside	3971.00	
Recorder	0.00	8360	Inside	3971.00	
Perforations	9.00			3980.00	
Change Over Sub	1.00			3981.00	
Drill Pipe	95.00			4076.00	
Change Over Sub	1.00			4077.00	
Bullnose	3.00			4080.00	110.00 Bottom Packers & Anchor

Total Tool Length: 138.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Ritchie Exploration, Inc.

Stucky 36D #4

8100 E. 22nd St. N#700
Box 783188
Wichita, KS 67278
ATTN: Wes Hanson

36 13 32 Logan KS
Job Ticket: 041193 DST#: 1
Test Start: 2010.12.30 @ 07:16:00

Mud and Cushion Information

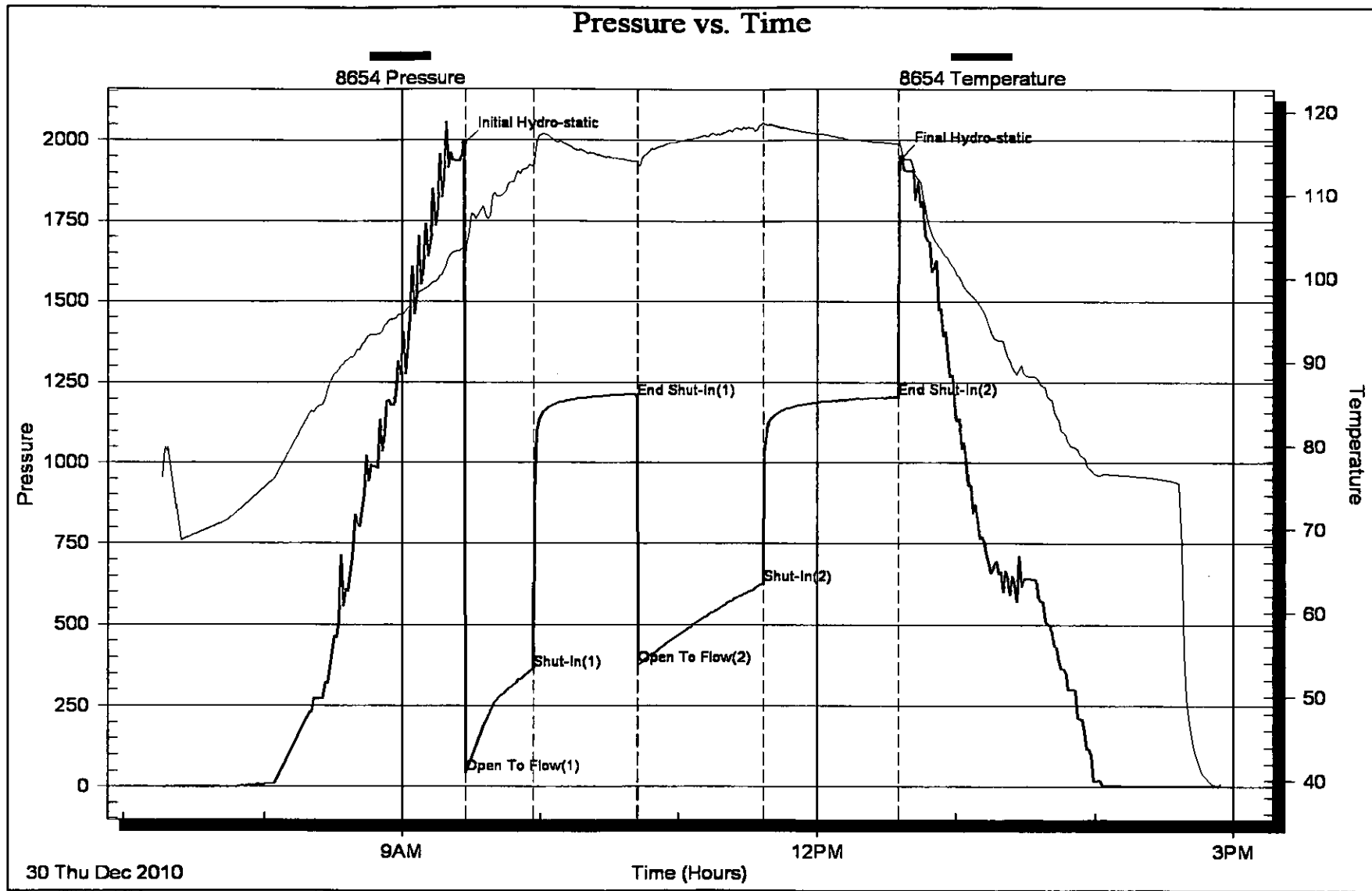
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	73000 ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.77 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1400.00 ppm			
Filter Cake: 1.00 inches			

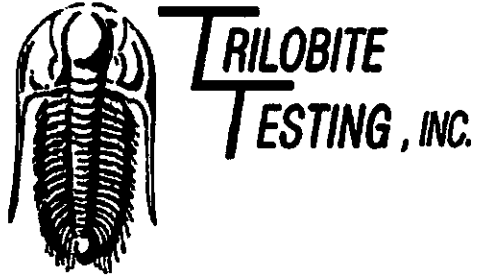
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
950.00	mcw 10%m 90%w	8.252
505.00	mcw 30%m 70%w	7.084

Total Length: 1455.00 ft Total Volume: 15.336 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: RW 0.107 @ 73F = 73000ppm





DRILL STEM TEST REPORT

Prepared For: **Ritchie Exploration, Inc.**

8100 E. 22nd St. N #700
Box 783188
Wichita, KS 67278

ATTN: Wes Hanson

36 13 32 Logan KS

Stucky 36D #4

Start Date: 2010.12.31 @ 00:57:00

End Date: 2010.12.31 @ 08:59:30

Job Ticket #: 041194 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Ritchie Exploration, Inc.
8100 E 22nd St. N #700
Box 783188
Wichita, KS 67278
ATTN: Wes Hanson

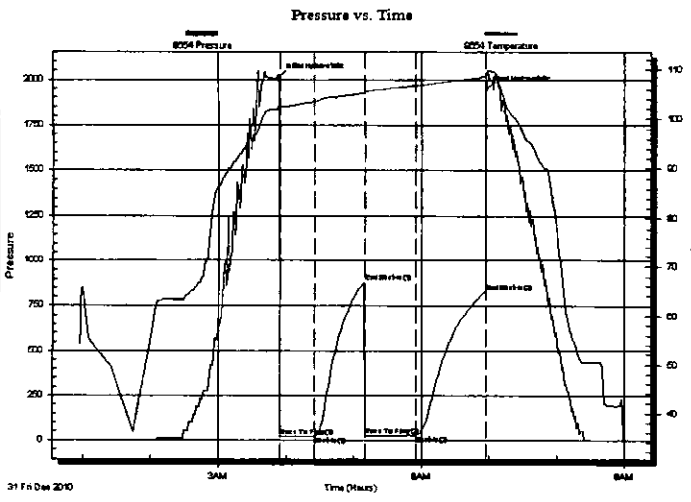
Stucky 36D #4
36 13 32 Logan KS
Job Ticket: 041194 DST#: 2
Test Start: 2010.12.31 @ 00:57:00

GENERAL INFORMATION:

Formation: **Lansing H**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 03:54:00
Time Test Ended: 08:59:30
Interval: **4100.00 ft (KB) To 4148.00 ft (KB) (TVD)**
Total Depth: **4148.00 ft (KB) (TVD)**
Hole Diameter: **7.80 inches** Hole Condition: **Fair**
Test Type: **Conventional Bottom Hole**
Tester: **Bradley Walter**
Unit No: **28**
Reference Elevations: **2911.00 ft (KB)**
2901.00 ft (CF)
KB to GR/CF: **10.00 ft**

Serial #: 8654 **Inside**
Press@RunDepth: **26.38 psig @ 4101.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2010.12.31** End Date: **2010.12.31** Last Calib.: **2010.12.31**
Start Time: **00:57:05** End Time: **08:59:29** Time On Btm: **2010.12.31 @ 03:53:15**
Time Off Btm: **2010.12.31 @ 06:57:30**

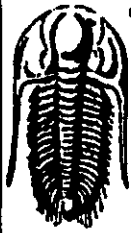
TEST COMMENT: IF: Surface blow.
ISI No return blow.
FF: No blow.
FSI. No return blow.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2016.35	102.54	Initial Hydro-static
1	22.75	101.30	Open To Flow (1)
32	22.90	103.53	Shut-In(1)
77	882.24	105.24	End Shut-In(1)
77	25.88	105.12	Open To Flow (2)
122	26.38	106.73	Shut-In(2)
184	827.21	108.53	End Shut-In(2)
185	1943.08	109.24	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
10.00	mud 100% oil specks in tool	0.05

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ritchie Exploration, Inc.

Stucky 36D #4

8100 E 22nd St. N#700
Box 783188
Wichita, KS 67278
ATTN: Wes Hanson

36 13 32 Logan KS

Job Ticket: 041194

DST#: 2

Test Start: 2010.12.31 @ 00:57:00

Tool Information

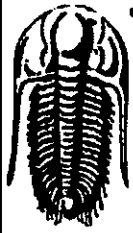
Drill Pipe:	Length: 3532.00 ft	Diameter: 3.80 inches	Volume: 49.54 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 557.00 ft	Diameter: 2.25 inches	Volume: 2.74 bbl	Weight to Pull Loose: 72000.00 lb
		Total Volume:	52.28 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4100.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.00 ft			
Tool Length:	76.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4073.00	
Shut In Tool	5.00			4078.00	
Hydraulic tool	5.00			4083.00	
Jars	5.00			4088.00	
Safety Joint	2.00			4090.00	
Packer	5.00			4095.00	28.00 Bottom Of Top Packer
Packer	5.00			4100.00	
Stubb	1.00			4101.00	
Recorder	0.00	8654	Inside	4101.00	
Recorder	0.00	8360	Inside	4101.00	
Perforations	10.00			4111.00	
Change Over Sub	1.00			4112.00	
Drill Pipe	32.00			4144.00	
Change Over Sub	1.00			4145.00	
Bullnose	3.00			4148.00	48.00 Bottom Packers & Anchor

Total Tool Length: 76.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Ritchie Exploration, Inc.
8100 E 22nd St. N #700
Box 783188
Wichita, KS 67278
ATTN: Wes Hanson

Stucky 36D #4
36 13 32 Logan KS
Job Ticket: 041194 DST#: 2
Test Start: 2010.12.31 @ 00:57:00

Mud and Cushion Information

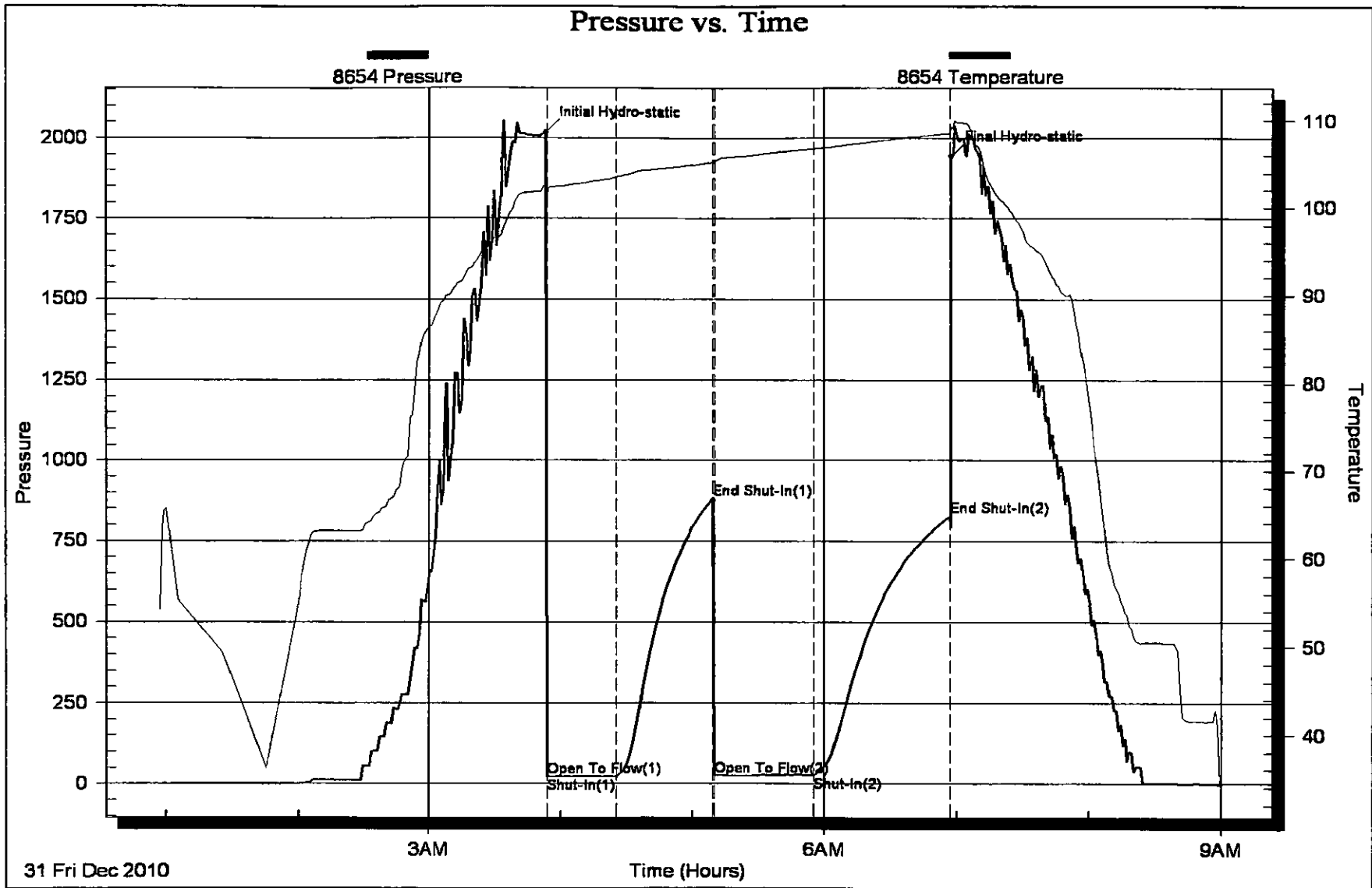
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.17 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2400.00 ppm			
Filter Cake: 1.00 inches			

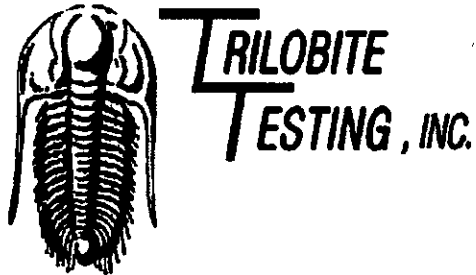
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100% oil specks in tool	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Ritchie Exploration, Inc.**

8100 E. 22nd St. N #700
Box 783188
Wichita, KS 67278

ATTN: Wes Hanson

36 13 32 Logan KS

Stucky 36D #4

Start Date: 2011.01.01 @ 04:01:00

End Date: 2011.01.01 @ 11:22:15

Job Ticket #: 041195 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ritchie Exploration, Inc.

Stucky 36D #4

8100 E. 22nd St. N#700
Box 783188
Wichita, KS 67278
ATTN: Wes Hanson

36 13 32 Logan KS
Job Ticket: 041195 **DST#: 3**
Test Start: 2011.01.01 @ 04:01:00

Tool Information

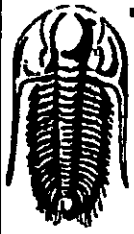
Drill Pipe:	Length: 3594.00 ft	Diameter: 3.80 inches	Volume: 50.41 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 557.00 ft	Diameter: 2.25 inches	Volume: 2.74 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume:	53.15 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4146.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	141.00 ft			
Tool Length:	164.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4124.00	
Shut In Tool	5.00			4129.00	
Hydraulic tool	5.00			4134.00	
Safety Joint	2.00			4136.00	
Packer	5.00			4141.00	23.00 Bottom Of Top Packer
Packer	5.00			4146.00	
Stubb	1.00			4147.00	
Recorder	0.00	8654	Inside	4147.00	
Recorder	0.00	8360	Inside	4147.00	
Perforations	9.00			4156.00	
Change Over Sub	1.00			4157.00	
Drill Pipe	126.00			4283.00	
Change Over Sub	1.00			4284.00	
Bullnose	3.00			4287.00	141.00 Bottom Packers & Anchor

Total Tool Length: 164.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Ritchie Exploration, Inc.

Stucky 36D #4

8100 E. 22nd St. N#700
Box 783188
Wichita, KS 67278
ATTN: Wes Hanson

36 13 32 Logan KS
Job Ticket: 041195 DST#: 3
Test Start: 2011.01.01 @ 04:01:00

Mud and Cushion Information

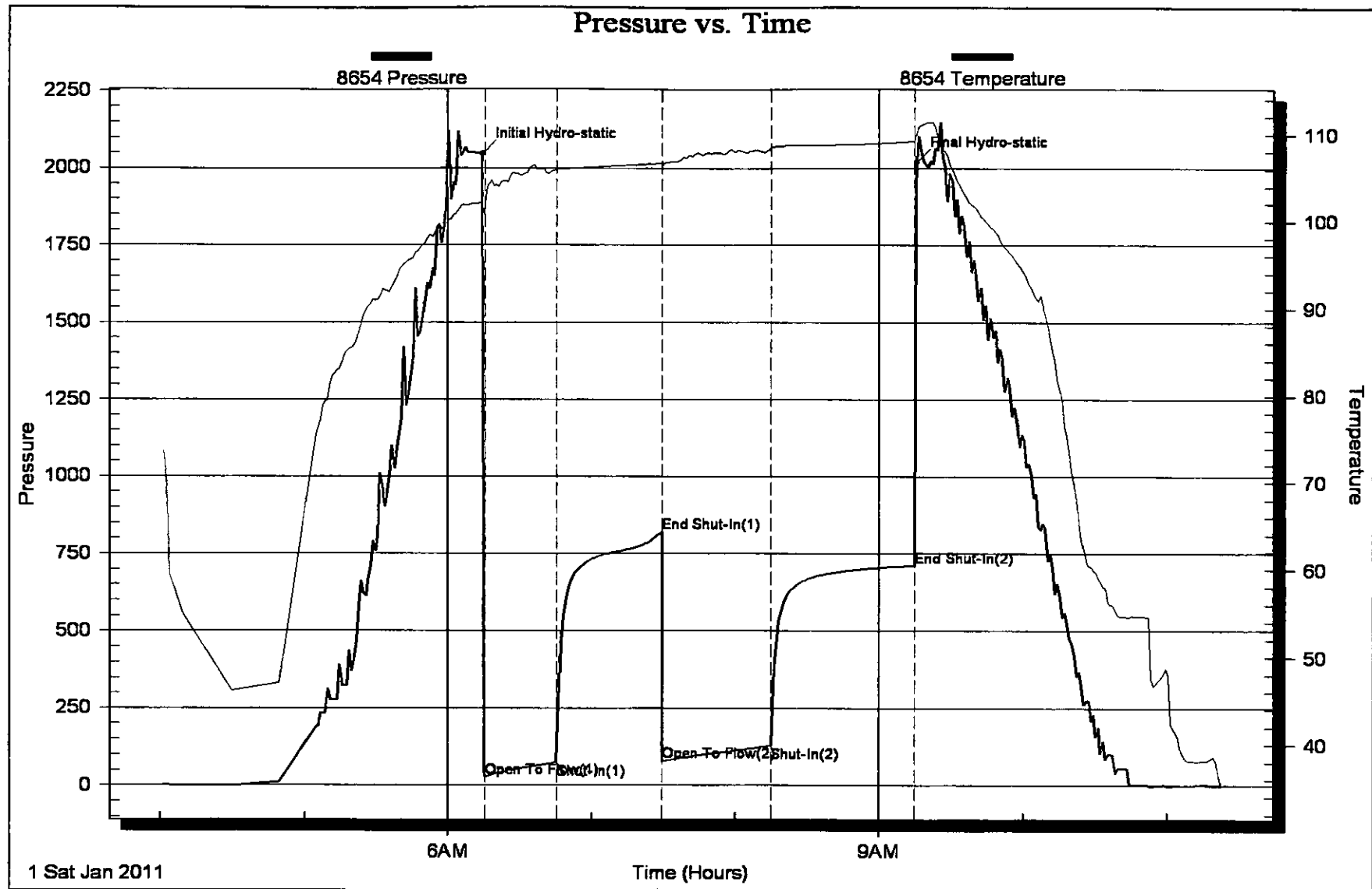
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.36 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3300.00 ppm			
Filter Cake: 1.00 inches			

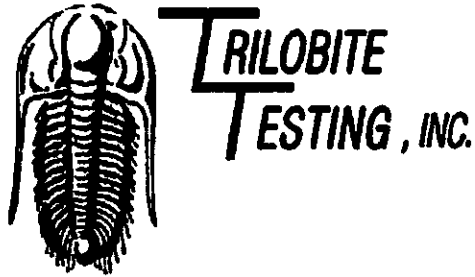
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
250.00	Mud 100% _m	1.229

Total Length: 250.00 ft Total Volume: 1.229 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Ritchie Exploration, Inc.**

8100 E. 22nd St. N #700
Box 783188
Wichita, KS 67278

ATTN: Wes Hanson

36 13 32 Logan KS

Stucky 36D #4

Start Date: 2011.01.02 @ 10:08:00

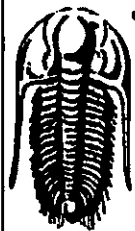
End Date: 2011.01.02 @ 16:02:30

Job Ticket #: 041196 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Ritchie Exploration, Inc.

8100 E 22nd St. N #700
Box 783188
Wichita, KS 67278
ATTN: Wes Hanson

Stucky 36D #4

36 13 32 Logan KS

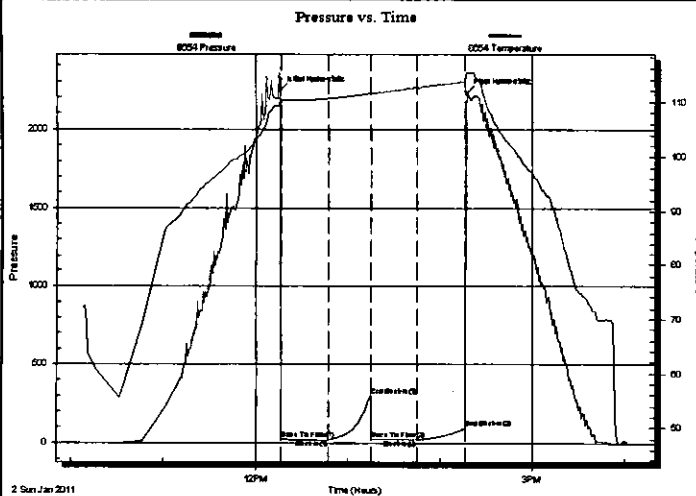
Job Ticket: 041196 DST#: 4
Test Start: 2011.01.02 @ 10:08:00

GENERAL INFORMATION:

Formation: **Johnson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:16:00
Time Test Ended: 16:02:30
Interval: **4520.00 ft (KB) To 4554.00 ft (KB) (TVD)**
Total Depth: **4554.00 ft (KB) (TVD)**
Hole Diameter: **7.80 inches** Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Bradley Walter
Unit No: 28
Reference Elevations: 2911.00 ft (KB)
2901.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: **8654** Inside
Press@RunDepth: 20.20 psig @ 4521.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.01.02 End Date: 2011.01.02 Last Calib.: 2011.01.02
Start Time: 10:08:05 End Time: 16:02:29 Time On Btm: 2011.01.02 @ 12:15:45
Time Off Btm: 2011.01.02 @ 14:17:30

TEST COMMENT: IF: 1 inch blow , receded to 1/4 inch.
IS: No return blow .
FF: Surface blow , died @ 15 minutes.
FS: No return blow .



PRESSURE SUMMARY

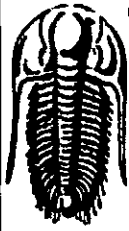
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2242.45	110.34	Initial Hydro-static
1	20.64	109.50	Open To Flow (1)
32	20.28	110.57	Shut-In(1)
59	297.87	111.48	End Shut-In(1)
60	21.64	111.43	Open To Flow (2)
90	20.20	112.57	Shut-In(2)
121	94.53	113.69	End Shut-In(2)
122	2230.04	115.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	ocm 10%o 90%m	0.05

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ritchie Exploration, Inc.

Stucky 36D #4

8100 E. 22nd St. N#700
Box 783188
Wichita, KS 67278
ATTN: Wes Hanson

36 13 32 Logan KS

Job Ticket: 041196

DST#: 4

Test Start: 2011.01.02 @ 10:08:00

Tool Information

Drill Pipe:	Length: 3943.00 ft	Diameter: 3.80 inches	Volume: 55.31 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 557.00 ft	Diameter: 2.25 inches	Volume: 2.74 bbl	Weight to Pull Loose: 71000.00 lb
		Total Volume:	58.05 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4520.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	57.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4498.00	
Shut In Tool	5.00			4503.00	
Hydraulic tool	5.00			4508.00	
Safety Joint	2.00			4510.00	
Packer	5.00			4515.00	23.00 Bottom Of Top Packer
Packer	5.00			4520.00	
Stubb	1.00			4521.00	
Recorder	0.00	8654	Inside	4521.00	
Recorder	0.00	8360	Inside	4521.00	
Perforations	30.00			4551.00	
Perforations	3.00			4554.00	34.00 Bottom Packers & Anchor

Total Tool Length: 57.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Ritchie Exploration, Inc.

Stucky 36D #4

8100 E. 22nd St. N #700
Box 783188
Wichita, KS 67278
ATTN: Wes Hanson

36 13 32 Logan KS
Job Ticket: 041196 DST#: 4
Test Start: 2011.01.02 @ 10:08:00

Mud and Cushion Information

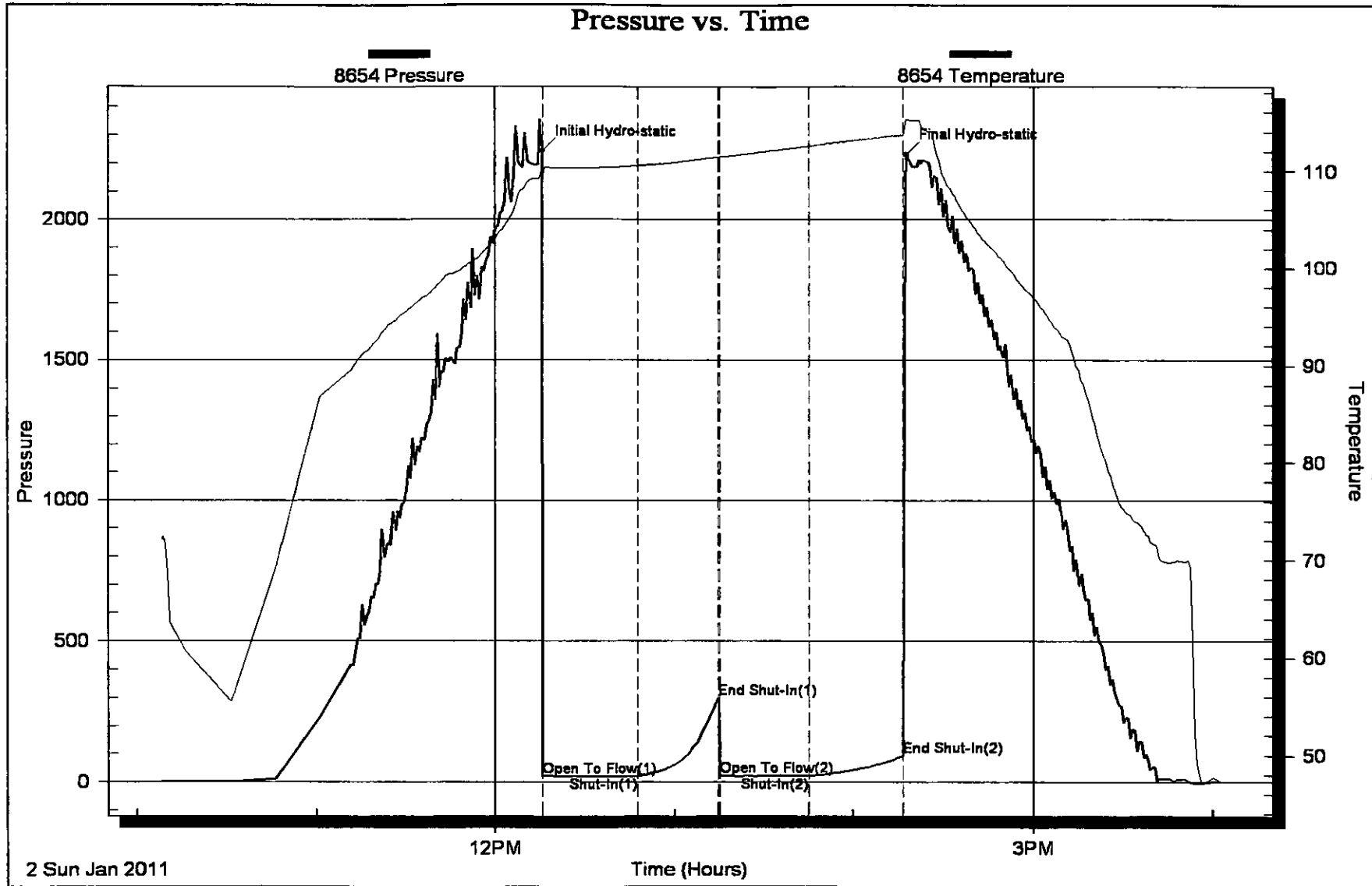
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4400.00 ppm			
Filter Cake: 1.00 inches			

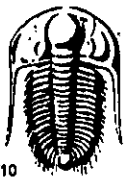
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	ocm 10%o 90%m	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
JAN 05 2011

Test Ticket

NO. 041193

Well Name & No. Stucky 36D #4 SY: _____ Test No. 1 Date 30 DEC 2010
 Company Ritchie Exploration, Inc Elevation 2911 KB 2901 GL _____
 Address 8100 E 22nd St. N #700 Box 783188 Wichita Ks 67278
 Co. Rep / Geo. Wes Hanson Rig Murfin 14
 Location: Sec. 36 Twp. 13 Rge. 32W Co. Logan State Ks

Interval Tested 3970 - 4080 Zone Tested Lansing C-G
 Anchor Length 110' Drill Pipe Run 3403 Mud Wt. 9.2
 Top Packer Depth 3905 Drill Collars Run 557 Vis 59
 Bottom Packer Depth 3970 Wt. Pipe Run 0 WL 6.8
 Total Depth 4080 Chlorides 1400 ppm System LCM 2#

Blow Description IF: BOB @ 7 min.
IBT: No return blow
FF: Built to 5 inches, receded to 2 inches
FSI: No return. blow.

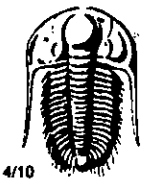
Rec	Feet of	%gas	%oil	%water	%mud
<u>505</u>	<u>MCW</u>		<u>70</u>	<u>30</u>	
<u>950</u>	<u>MCW</u>		<u>90</u>	<u>10</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1455 BHT 116 Gravity — API RW .107 @ 73 °F Chlorides 73000 ppm
 (A) Initial Hydrostatic 1989 Test 1225 T-On Location 0645
 (B) First Initial Flow 41 Jars 250 T-Started 0716
 (C) First Final Flow 363 Safety Joint 75 T-Open 0928
 (D) Initial Shut-In 1202 Circ Sub MC T-Pulled 1238
 (E) Second Initial Flow 375 Hourly Standby _____ T-Out 1454
 (F) Second Final Flow 626 Mileage 67 RT 83⁷⁵ Comments _____
 (G) Final Shut-In 1204 Sampler _____
 (H) Final Hydrostatic 1946 Straddle _____

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1633⁷⁵
 Sub Total 8
 Total 1633.75
 MP/DST Disc't _____

Approved By Wesley Hansen Our Representative [Signature]

TriLOBite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
JAN 05 2011
BY: _____

Test Ticket

NO. 041194

Well Name & No. Stucky 360 #4 Test No. 2 Date 31 DEC 2010
 Company Ritchie Exploration, Inc Elevation 2911 KB 2901 GL
 Address 8100 E. 22nd St. N #700 Box 783189 Wichita, Ks 67278
 Co. Rep / Geo. Wes Hanson Rig Martin 14
 Location: Sec. 36 Twp. 13 Rge. 32W Co. Logan State Ks

Interval Tested 4100 4149 Zone Tested Lansing H
 Anchor Length 48' Drill Pipe Run 3532 Mud Wt. 9.2
 Top Packer Depth 4095 Drill Collars Run 557 Vis 55
 Bottom Packer Depth 4100 Wt. Pipe Run 0 WL 7.2
 Total Depth 4149 Chlorides 2400 ppm System LCM 1#

Blow Description IF! Surface blow
ISI! No return blow.
FF! No blow
FSI! No return blow

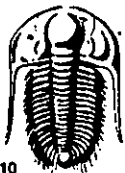
Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>MUD</u>			<u>100%</u>	
	<u>Oil specks in tool</u>				

Rec Total 10 BHT 109 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>2016</u>	<input checked="" type="checkbox"/> Test <u>1225</u>	T-On Location <u>0005</u>
(B) First Initial Flow <u>23</u>	<input type="checkbox"/> Jars	T-Started <u>0057</u>
(C) First Final Flow <u>23</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0355</u>
(D) Initial Shut-In <u>882</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>0655</u>
(E) Second Initial Flow <u>26</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0859</u>
(F) Second Final Flow <u>26</u>	<input type="checkbox"/> Mileage <u>67RT 83 75</u>	Comments _____
(G) Final Shut-In <u>827</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> Ruined Shale Packer
(H) Final Hydrostatic <u>1943</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	Sub Total <u>0</u>
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder	Total <u>1383.75</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility	
	Sub Total <u>1383 75</u>	

Approved By Wesley Hanson Our Representative [Signature]

TriLOBITE Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
JAN 05 2011

Test Ticket

NO. 041195

Well Name & No. Stucky 36D #4 Test No. 3 Date 1 Jan 2011
 Company RITCHIE EXPLORATION, Inc. Elevation 2911 KB 2901 GL
 Address 8100 E. 22nd St. N #700 Box 783188 Wichita, Ks 67278
 Co. Rep / Geo. Wes Hanson Rig Murfin 14
 Location: Sec. 36 Twp. 13 Rge. 32w Co. Logan State Ks

Interval Tested 4146 - 4287 Zone Tested Lansing "I, J, K, L"
 Anchor Length 141 Drill Pipe Run 3594 Mud Wt. 9.4
 Top Packer Depth 4141 Drill Collars Run 557 Vis 58
 Bottom Packer Depth 4146 Wt. Pipe Run 0 WL 10.4
 Total Depth 4287 Chlorides 3300 ppm System LCM 2#

Blow Description
 IF: 3 inches blow.
 ISI: No return blow.
 FF: 1 1/2 inches blow.
 FSI: No Return blow.

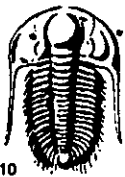
Rec	Feet of	%gas	%oil	%water	%mud
<u>250</u>	<u>Mud</u>			<u>100</u>	

Rec Total 250 BHT 109 Gravity — API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic <u>2847</u>	<input checked="" type="checkbox"/> Test <u>1225</u>	T-On Location <u>0345</u>
(B) First Initial Flow <u>27</u>	<input type="checkbox"/> Jars	T-Started <u>0401</u>
(C) First Final Flow <u>73</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0616</u>
(D) Initial Shut-In <u>819</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>0916</u>
(E) Second Initial Flow <u>79</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1122</u>
(F) Second Final Flow <u>128</u>	<input type="checkbox"/> Mileage <u>67 R/T 83 75</u>	Comments
(G) Final Shut-In <u>710</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2019</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>45</u>	<input type="checkbox"/> Day Standby	Total <u>1383.75</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1383.75</u>	

Approved By _____ Our Representative

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
JAN 05 2011

Test Ticket

NO. 041196

Well Name & No. Stucky 36D #4 BY: _____ Test No. 4 Date 2 JAN 2011
 Company Ritchie Exploration Inc Elevation 2911 KB 2901 GL _____
 Address 8100 E 22nd St. N #700 Box 783188 Wichita, Ks 67278
 Co. Rep / Geo. Wes Hanson Rig Murfin #
 Location: Sec. 36 Twp. 13 Rge. 32 w Co. Logan State Ks

Interval Tested 4520 - 4554 Zone Tested Johnson
 Anchor Length 34' Drill Pipe Run 3943 Mud Wt. 9.4
 Top Packer Depth 4515 Drill Collars Run 557 Vis 57
 Bottom Packer Depth 4520 Wt. Pipe Run Ø WL 7.2
 Total Depth 4554 Chlorides 4400 ppm System LCM 2#
 Blow Description IF: 1 inch blow, receded to 1/4 inch.
ISI: No return blow.
FF: Surface blow died @ 15 minutes.
FSI No return blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>16</u>	<u>0CM</u>	<u>10</u>		<u>90</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 114 Gravity — API RW — @ — ° F Chlorides — ppm
 (A) Initial Hydrostatic 2242 Test 1225 T-On Location 1008
 (B) First Initial Flow 21 Jars _____ T-Started 1054
 (C) First Final Flow 20 Safety Joint 75 T-Open 1302
 (D) Initial Shut-In 299 Circ Sub N/C T-Pulled 1502
 (E) Second Initial Flow 22 Hourly Standby _____ T-Out 1602
 (F) Second Final Flow 20 Mileage 67 RT 83.75 Comments PICKED UP TOOL
 (G) Final Shut-In 95 Sampler X 2 167.50 1700/ 31 JANUARY
 (H) Final Hydrostatic 2230 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total Ø
 Day Standby _____ Total 1467.50
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1467.50

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30
 Approved By Wesley Hanson Our Representative [Signature]

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