

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 30717

API No. 15 - 065-23,503-00-00

Name: DISCOVERY DRILLING CO., INC. - OIL CO., INC.

Spot Description:

Address 1: P.O. Box 372

W/2 SW SE Sec. 10 Twp. 9 S. R. 24 East West

Address 2: _____

637 Feet from North / South Line of Section

City: Hays State: KS Zip: 67601 + _____

2278 Feet from East / West Line of Section

Contact Person: RON NELSON

Footages Calculated from Nearest Outside Section Corner:

Phone: (785) 621-26910 2610

NE NW SE SW

CONTRACTOR: License # 33493

County: GRAHAM

Name: American Eagle Drilling

Lease Name: Betty N Well #: 1-10

Wellsite Geologist: RON NELSON

Field Name: _____

Purchaser: _____

Producing Formation: NONE

Designate Type of Completion:

Elevation: Ground: 2494' Kelly Bushing: 2501'

New Well Re-Entry Workover

Total Depth: 4101' Plug Back Total Depth: _____

Oil SWD SIOW

Amount of Surface Pipe Set and Cemented at: 316' Feet

Gas ENHR SIGW

Multiple Stage Cementing Collar Used? Yes No

CM (Coal Bed Methane) Temp. Abd.

If yes, show depth set: _____ Feet

Dry Other _____

If Alternate II completion, cement circulated from: _____

(Core, WSW, Expl., Cathodic, etc.)

feet depth to: _____ w/ _____ sx cmt.

If Workover/Re-entry: Old Well Info as follows:

Drilling Fluid Management Plan P+A AH I NR
(Data must be collected from the Reserve Pit) 1-28-09

Operator: _____

Chloride content: 11,000 ppm Fluid volume: 240 bbls

Well Name: _____

Dewatering method used: EVAPORATION

Original Comp. Date: _____ Original Total Depth: _____

Location of fluid disposal if hauled offsite: _____

Deepening Re-perf. Conv. to Enhr. Conv. to SWD

Operator Name: _____

Plug Back: _____ Plug Back Total Depth _____

Lease Name: _____ License No.: _____

Commingled Docket No.: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

Dual Completion Docket No.: _____

County: _____ Docket No.: _____

Other (SWD or Enhr.?) Docket No.: _____

11/20/08 11/26/08 11/27/08

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion 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 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: [Signature]

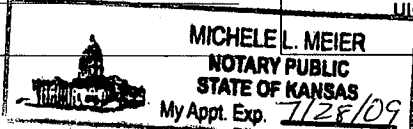
KCC Office Use ONLY
 Letter of Confidentiality Received
 If Denied, Yes Date: _____
 Wireline Log Received RECEIVED
KANSAS CORPORATION COMMISSION
 Geologist Report Received
JIC Distribution
JAN 15 2009

Title: VICE PRESIDENT Date: 01/13/09

Subscribed and sworn to before me this 13 day of January, 2009.

Notary Public: [Signature]

Date Commission Expires: 7/28/09



Operator Name: DOWNING-NEELSON OIL CO., INC.
DISCOVERY DRILLING CO., INC.

Lease Name: Betty N

Well #: 1-10

Sec. 10 Twp. 9 S. R. 24 East West

County: GRAHAM

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:

**Sonic, Micro, Dual Induction & Compensated
Density/Neutron**

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
TOP ANHYDRITE	2167'	+339
BASE ANHYDRITE	2196'	+305
TOPEKA	3584'	-1083
HEEBNER	3799'	-1298
TORONTO	3824'	-1323
LKC	3838'	-1337
BKC	4061'	-1560

CASING RECORD New 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#	316'	COMMON	190	2% Gel & 3% CC

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or Enhr. _____ Producing Method: Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbbls.	Gas Mcf	Water Bbbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	<input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	_____

ALLIED CEMENTING CO., LLC. 034969

P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Russell KS

DATE <u>11-27-08</u>	SEC. <u>10</u>	TWP. <u>9</u>	RANGE <u>24</u>	CALLED OUT	ON LOCATION	JOB START <u>4:15am</u>	JOB FINISH <u>5:00pm</u>
LEASE <u>Betty N</u>	WELL # <u>1-10</u>		LOCATION <u>Wakeeney KS North to Redline</u>		COUNTY <u>Graham</u>	STATE <u>KS</u>	
<input checked="" type="radio"/> OLD OR NEW (Circle one)			RD <u>6 West 3 North West into</u>				

CONTRACTOR American Eagle Rig # 2

TYPE OF JOB Rotary Plug

HOLE SIZE 7 7/8 T.D. 4101

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 XH DEPTH 2180

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

EQUIPMENT

PUMP TRUCK CEMENTER John Roberts

409 HELPER Travis

BULK TRUCK _____

378 DRIVER Chad

BULK TRUCK _____

_____ DRIVER _____

REMARKS:

25sk @ 2180

100 sk @ 1300

40sk @ 375

10 sk @ 40

30sk Rathole

CHARGE TO: Downing Nelson Oil Co. Inc.

STREET _____

CITY _____ STATE _____ ZIP _____

OWNER _____

CEMENT AMOUNT ORDERED 205 60/40 4% Gel 1/4 # Fl.

COMMON	<u>123</u>	@	<u>13.50</u>	<u>1660.50</u>
POZMIX	<u>82</u>	@	<u>7.55</u>	<u>619.10</u>
GEL	<u>7</u>	@	<u>20.25</u>	<u>141.75</u>
CHLORIDE		@		
ASC		@		
<u>Fl Seal</u>	<u>51 #</u>	@	<u>2.45</u>	<u>124.95</u>
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>212</u>	@	<u>2.25</u>	<u>477.00</u>
MILEAGE	<u>110/56/mile</u>			<u>1272.00</u>
TOTAL				<u>4295.2</u>

SERVICE

DEPTH OF JOB				
PUMP TRUCK CHARGE				<u>990.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>60</u>	@	<u>7.00</u>	<u>420.00</u>
MANIFOLD		@		
		@		
		@		

REGEN
KANSAS CORPORATIC

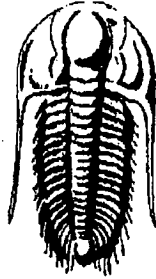
JAN 15 2009

CONSERVATION
WICHT

TOTAL 1416.0

PLUG & FLOAT EQUIPMENT

		@		
		@		
<u>Dry Hole Plug</u>		@		<u>39.00</u>
		@		



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **DNOC**

PO Box 372
Hays KS 67601

ATTN: Ron Nelson

10-9-24 Graham KS

Betty N #1-10

Start Date: 2008.11.24 @ 20:24:14

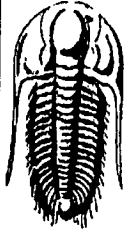
End Date: 2008.11.25 @ 04:04:14

Job Ticket #: 34951 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

DNOC
PO Box 372
Hays KS 67601
ATTN: Ron Nelson

Betty N #1-10
10-9-24 Graham KS
Job Ticket: 34951 DST#: 1
Test Start: 2008.11.24 @ 20:24:14

GENERAL INFORMATION:

Formation: **LKC**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 22:46:44
Time Test Ended: 04:04:14

Test Type: **Conventional Bottom Hole**
Tester: **Kyle Kinderknecht**
Unit No: **31**

Interval: **3858.00 ft (KB) To 3902.00 ft (KB) (TVD)**
Total Depth: **3902.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: 2502.00 ft (KB)
 2494.00 ft (CF)
KB to GR/CF: 8.00 ft

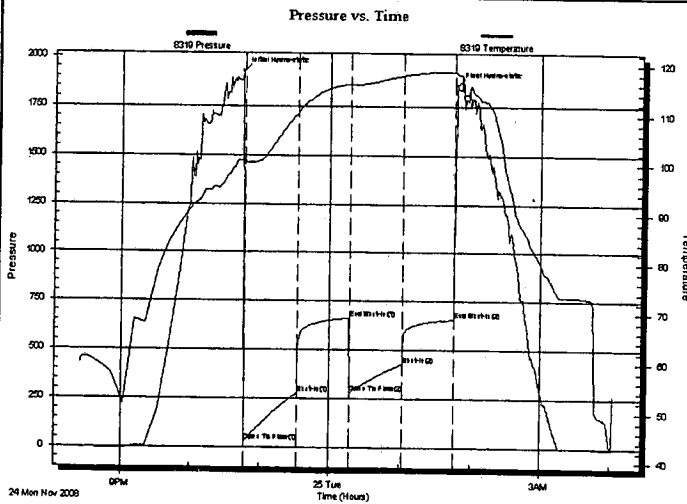
Serial #: 8319

Inside

Press@RunDepth: **429.52 psig @ 3864.00 ft (KB)**
Start Date: **2008.11.24** End Date: **2008.11.25**
Start Time: **20:24:19** End Time: **04:04:13**

Capacity: **7000.00 psig**
Last Calib.: **2008.11.25**
Time On Btm: **2008.11.24 @ 22:45:14**
Time Off Btm: **2008.11.25 @ 01:48:14**

TEST COMMENT: **IF BOB 6 min**
FF BOB 9 min



PRESSURE SUMMARY

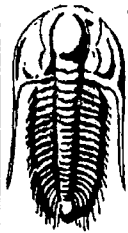
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1924.14	100.72	Initial Hydro-static
2	30.54	100.40	Open To Flow (1)
47	277.08	110.32	Shut-In (1)
92	663.66	116.10	End Shut-In (1)
92	281.70	115.97	Open To Flow (2)
137	429.52	117.77	Shut-In (2)
181	656.54	118.49	End Shut-In (2)
183	1854.93	118.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
900.00	Mtly Wtr Scum of Oil in tool	12.76

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

DNOC
PO Box 372
Hays KS 67601
ATTN: Ron Nelson

Betty N #1-10
10-9-24 Graham KS
Job Ticket: 34951 **DST#: 1**
Test Start: 2008.11.24 @ 20:24:14

Tool Information

Drill Pipe:	Length: 3868.00 ft	Diameter: 3.82 inches	Volume: 54.83 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: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 54.83 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3858.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	64.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3839.00	
Shut In Tool	5.00			3844.00	
Hydraulic tool	5.00			3849.00	
Packer	4.00			3853.00	20.00 Bottom Of Top Packer
Packer	5.00			3858.00	
Stubb	1.00			3859.00	
Perforations	5.00			3864.00	
Recorder	0.00	8319	Inside	3864.00	
Recorder	0.00	8369	Inside	3864.00	
Change Over Sub	1.00			3865.00	
Blank Spacing	31.00			3896.00	
Change Over Sub	1.00			3897.00	
Perforations	2.00			3899.00	
Bullnose	3.00			3902.00	44.00 Bottom Packers & Anchor
Total Tool Length:	64.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

DNOC
PO Box 372
Hays KS 67601
ATTN: Ron Nelson

Betty N #1-10
10-9-24 Graham KS
Job Ticket: 34951 DST#: 1
Test Start: 2008.11.24 @ 20:24:14

Mud and Cushion Information

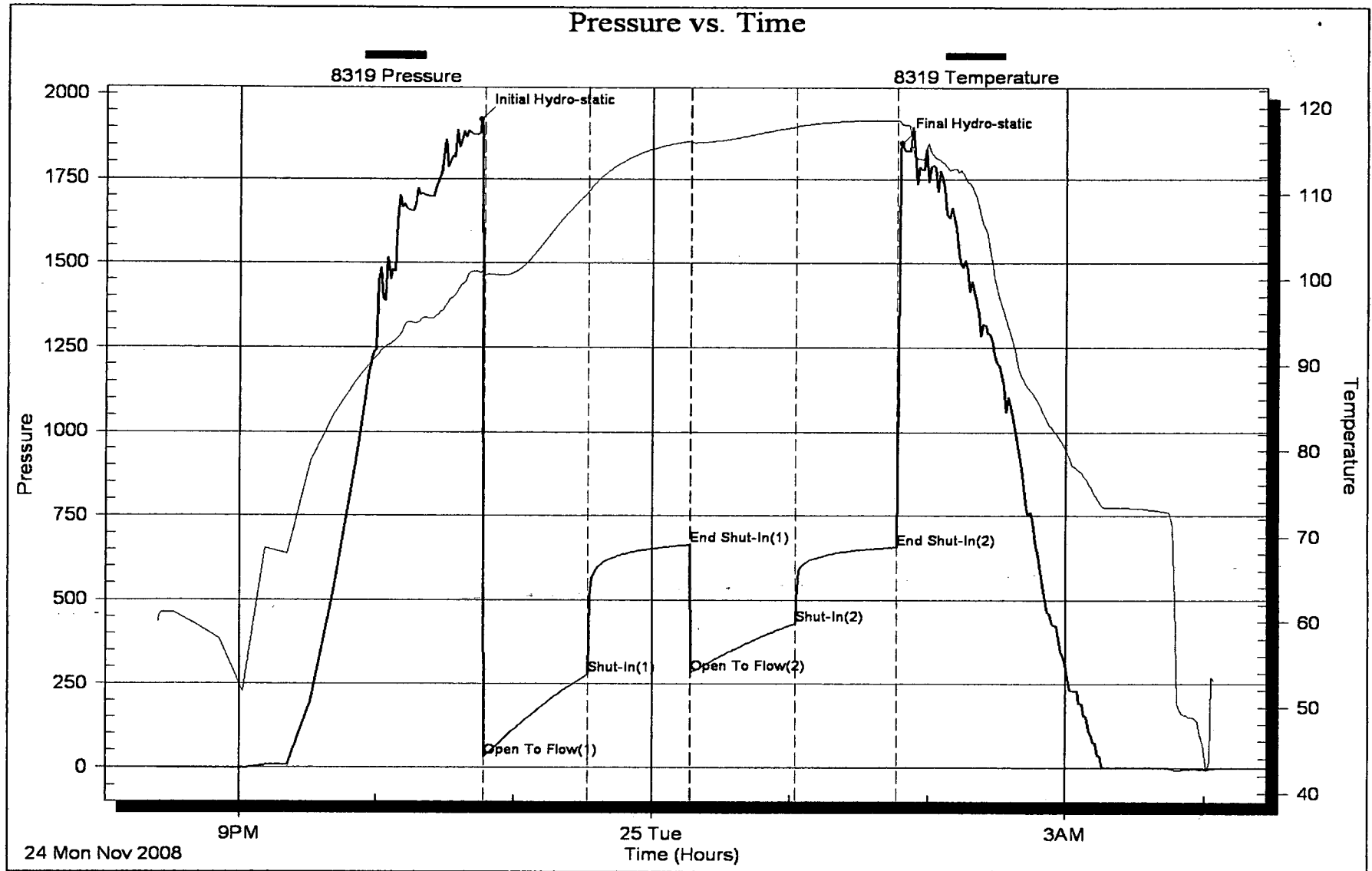
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 55000 ppm	
Viscosity: 48.00 sec/qt.	Cushion Volume: bbl		
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1400.00 ppm			
Filter Cake: inches			

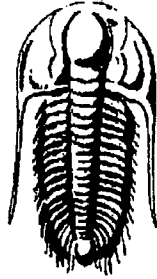
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
900.00	Mdy Wtr Scum of Oil in tool	12.758

Total Length: 900.00 ft Total Volume: 12.758 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: rw .2 @ 50 deg.





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **DNOC**

PO Box 372
Hays KS 67601

ATTN: Ron Nelson

10-9-24 Graham KS

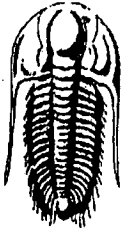
Betty N #1-10

Start Date: 2008.11.25 @ 10:19:43

End Date: 2008.11.25 @ 15:58:43

Job Ticket #: 34952 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

DNOC
PO Box 372
Hays KS 67601
ATTN: Ron Nelson

Betty N #1-10
10-9-24 Graham KS
Job Ticket: 34952 **DST#: 2**
Test Start: 2008.11.25 @ 10:19:43

GENERAL INFORMATION:

Formation: **LKC**
Deviated: **No Whipstock:** **ft (KB)**
Time Tool Opened: **12:49:13**
Time Test Ended: **15:58:43**

Test Type: **Conventional Bottom Hole**
Tester: **Kyle Kinderknecht**
Unit No: **31**

Interval: **3894.00 ft (KB) To 3913.00 ft (KB) (TVD)**
Total Depth: **3913.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2502.00 ft (KB)**
2494.00 ft (CF)
KB to GR/CF: **8.00 ft**

Serial #: 8319

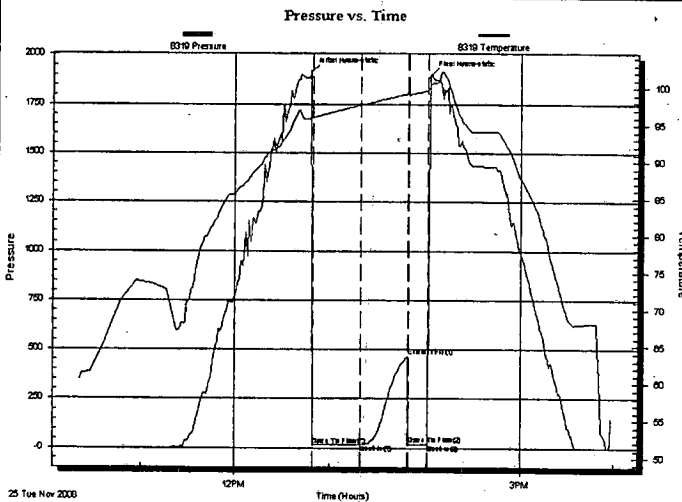
Inside

Press@RunDepth: **17.21 psig @ 3900.00 ft (KB)**
Start Date: **2008.11.25** End Date: **2008.11.25**
Start Time: **10:19:48** End Time: **15:58:42**

Capacity: **7000.00 psig**
Last Calib.: **2008.11.25**
Time On Btm: **2008.11.25 @ 12:48:13**
Time Off Btm: **2008.11.25 @ 14:02:43**

TEST COMMENT: **IF Surface died 15 min**

FF No blow flushed tool surge/ no blow



PRESSURE SUMMARY

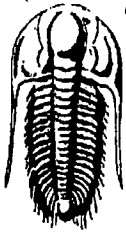
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1913.68	96.23	Initial Hydro-static
1	16.18	95.95	Open To Flow (1)
31	17.21	97.71	Shut-In(1)
60	466.58	99.24	End Shut-In(1)
61	17.85	99.06	Open To Flow (2)
73	18.61	99.68	Shut-In(2)
75	1897.91	100.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

DNOC
PO Box 372
Hays KS 67601

Betty N #1-10
10-9-24 Graham KS
Job Ticket: 34952 **DST#: 2**
Test Start: 2008.11.25 @ 10:19:43

ATTN: Ron Nelson

Tool Information

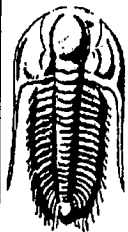
Drill Pipe:	Length: 3899.00 ft	Diameter: 3.82 inches	Volume: 55.27 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 55.27 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3894.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	39.00 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			3875.00	
Shut In Tool	5.00			3880.00	
Hydraulic tool	5.00			3885.00	
Packer	4.00			3889.00	20.00 Bottom Of Top Packer
Packer	5.00			3894.00	
Stubb	1.00			3895.00	
Perforations	5.00			3900.00	
Recorder	0.00	8319	Inside	3900.00	
Recorder	0.00	8369	Inside	3900.00	
Perforations	10.00			3910.00	
Bullnose	3.00			3913.00	19.00 Bottom Packers & Anchor

Total Tool Length: 39.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

DNOC
PO Box 372
Hays KS 67601
ATTN: Ron Nelson

Betty N #1-10
10-9-24 Graham KS
Job Ticket: 34952 DST#: 2
Test Start: 2008.11.25 @ 10:19:43

Mud and Cushion Information

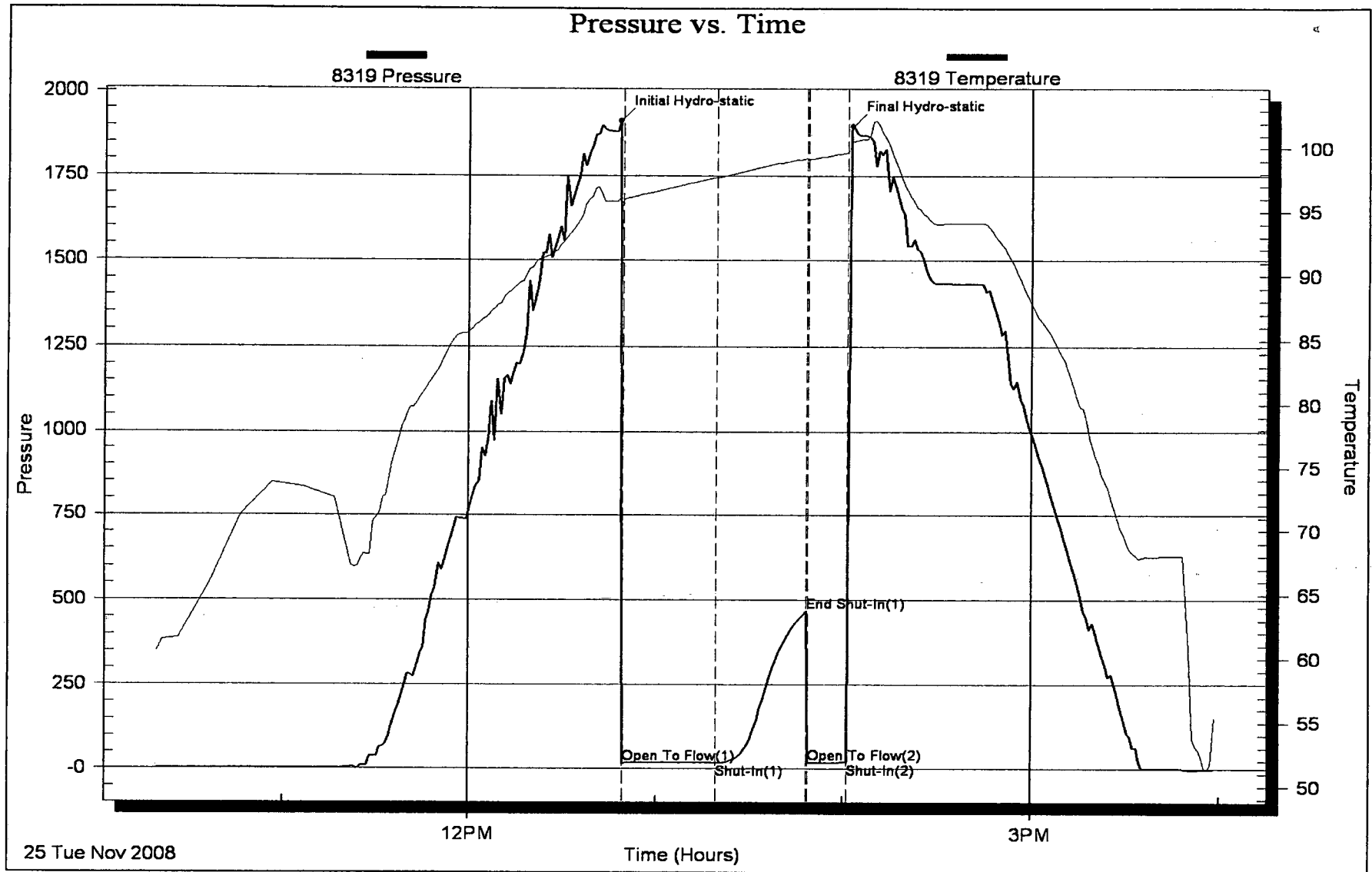
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.97 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1400.00 ppm			
Filter Cake: inches			

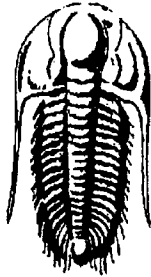
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud	0.071

Total Length: 5.00 ft Total Volume: 0.071 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **DNOC**

PO Box 372
Hays KS 67601

ATTN: Ron Nelson

10-9-24 Graham KS

Betty N #1-10

Start Date: 2008.11.26 @ 13:46:53

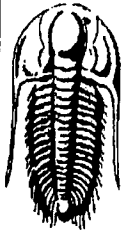
End Date: 2008.11.26 @ 20:00:53

Job Ticket #: 34953 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

DNOC
PO Box 372
Hays KS 67601
ATTN: Ron Nelson

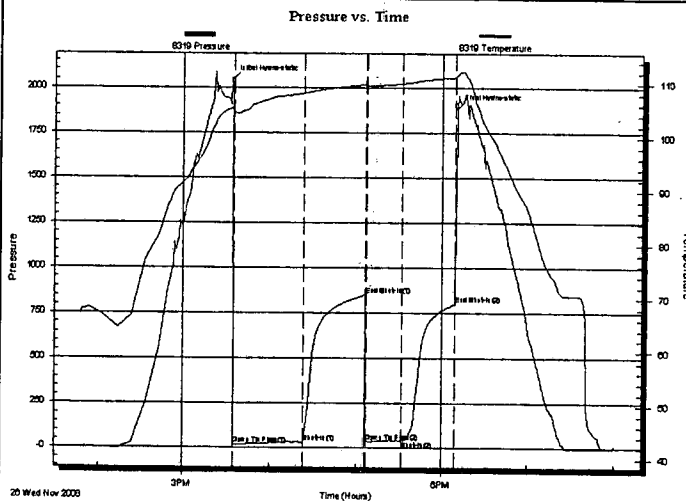
Betty N #1-10
10-9-24 Graham KS
Job Ticket: 34953 **DST#: 3**
Test Start: 2008.11.26 @ 13:46:53

GENERAL INFORMATION:

Formation: **LKC**
Deviated: **No Whipstock:** **ft (KB)**
Time Tool Opened: **15:34:53**
Time Test Ended: **20:00:53**
Interval: **3980.00 ft (KB) To 4050.00 ft (KB) (TVD)**
Total Depth: **4101.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Straddle**
Tester: **Kyle Kinderknecht**
Unit No: **31**
Reference Elevations: **2502.00 ft (KB)**
2494.00 ft (CF)
KB to GR/CF: **8.00 ft**

Serial #: 8319 Inside
Press@RunDepth: **42.55 psig @ 3983.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2008.11.26** End Date: **2008.11.26** Last Calib.: **2008.11.26**
Start Time: **13:46:58** End Time: **20:00:52** Time On Btm: **2008.11.26 @ 15:33:53**
Time Off Btm: **2008.11.26 @ 18:10:23**

TEST COMMENT: IF 1"
FF 1/4"



PRESSURE SUMMARY

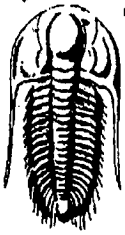
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2043.27	105.45	Initial Hydro-static
1	17.45	104.96	Open To Flow (1)
49	31.17	108.17	Shut-In(1)
92	848.55	109.81	End Shut-In(1)
93	37.00	109.56	Open To Flow(2)
118	42.55	110.02	Shut-In(2)
156	798.38	111.17	End Shut-In(2)
157	1884.14	111.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	OCM 3%O 97%M	0.92

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

DNOC
PO Box 372
Hays KS 67601

Betty N #1-10
10-9-24 Graham KS
Job Ticket: 34953 DST#: 3
Test Start: 2008.11.26 @ 13:46:53

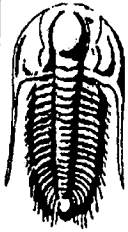
ATTN: Ron Nelson

Tool Information

Drill Pipe:	Length: 3959.00 ft	Diameter: 3.82 inches	Volume: 56.12 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 56.12 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3980.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	4050.00 ft			
Interval between Packers:	70.00 ft			
Tool Length:	148.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3954.00	
Shut In Tool	5.00			3959.00	
Hydraulic tool	5.00			3964.00	
Jars	4.00			3968.00	
Safety Joint	3.00			3971.00	
Packer	4.00			3975.00	27.00 Bottom Of Top Packer
Packer	5.00			3980.00	
Stubb	1.00			3981.00	
Perforations	1.00			3982.00	
Change Over Sub	1.00			3983.00	
Recorder	0.00	8319	Inside	3983.00	
Blank Spacing	60.00			4043.00	
Change Over Sub	1.00			4044.00	
Perforations	2.00			4046.00	
Blank Off Sub	1.00			4047.00	
Blank Spacing	3.00			4050.00	70.00 Tool Interval
Packer	0.00			4050.00	
Stubb	1.00			4051.00	
Recorder	0.00	8369	Below	4051.00	
Change Over Sub	1.00			4052.00	
Blank Spacing	31.00			4083.00	
Change Over Sub	1.00			4084.00	
Perforations	14.00			4098.00	
Bullnose	3.00			4101.00	51.00 Bottom Packers & Anchor
Total Tool Length:	148.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

DNOC
PO Box 372
Hays KS 67601
ATTN: Ron Nelson

Betty N #1-10
10-9-24 Graham KS
Job Ticket: 34953 DST#: 3
Test Start: 2008.11.26 @ 13:46:53

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1400.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	OCM 3%O 97%M	0.921

Total Length: 65.00 ft Total Volume: 0.921 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

