

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

3/19/10

Form ACO-1
October 2008
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 30076
Name: A & A PRODUCTION
Address 1: PO BOX 100
Address 2: _____
City: HILL CITY State: KS Zip: 67642 + _____
Contact Person: ANDY ANDERSON
Phone: (785) 421-6266
CONTRACTOR: License # 33237 **CONFIDENTIAL**
Name: ANDERSON DRILLING **MAR 19 2009**
Wellsite Geologist: MARK TORR **KCC**
Purchaser: NCRA
Designate Type of Completion:
 New Well _____ Re-Entry _____ Workover
 Oil _____ SWD _____ SIOW
_____ Gas _____ ENHR _____ SIGW
_____ CM (Coal Bed Methane) _____ Temp. Abd.
_____ 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. _____ Conv. to SWD
_____ Plug Back: _____ Plug Back Total Depth
_____ Commingled _____ Docket No.: _____
_____ Dual Completion _____ Docket No.: _____
_____ Other (SWD or Enhr.?) _____ Docket No.: _____
01-20-09 01-27-09 0303-09
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 179-21221-00-00
Spot Description: _____
NE SW SW SE Sec. 25 Twp. 9 S. R. 26 East West
350 Feet from North / South Line of Section
2300 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: SHERIDAN
Lease Name: BREEDEN Well #: 1
Field Name: N/A
Producing Formation: KANSAS CITY
Elevation: Ground: 2619 Kelly Bushing: _____
Total Depth: 4150 Plug Back Total Depth: 234
Amount of Surface Pipe Set and Cemented at: 234 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: _____ Feet
If Alternate II completion, cement circulated from: 2306
feet depth to: 0 w/ 450 _____ sx cmt, **Alt 2 - Dig - 4/23/09**

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: _____ ppm Fluid volume: _____ bbls
Dewatering method used: _____
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

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: Andy Anderson
Title: Operator Date: 3-19-09
Subscribed and sworn to before me this 19th day of March,
20 09.
Notary Public: Steve A. Anderson

KCC Office Use ONLY
 Letter of Confidentiality Received
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
_____ UIC Distribution
RECEIVED
MAR 20 2009

NOTARY PUBLIC
STATE OF KANSAS
My App. Exp. 1-21-12

KCC WICHITA

KCC
MAR 13 2009
CONFIDENTIAL

Operator Name: A & A PRODUCTION Lease Name: BREEDEN Well #: 1
 Sec. 25 Twp. 9 S. R. 26 East West County: SHERIDAN

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 (Attach Additional Sheets) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Samples Sent to Geological Survey <input 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 (Submit Copy) List All E. Logs Run: SONIC CEMENT BOND LOG DUAL INDUCTION LOG DUAL COMPENSATED POROSITY LOG MICRORESISTIVITY LOG COMPUTER PROCESSED INTERPRETATION	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>ANHYDRITE</td> <td>2274</td> <td>+ 350</td> </tr> <tr> <td>ANHYDRITE - BASE</td> <td>2304</td> <td>+ 320</td> </tr> <tr> <td>HEEBNER</td> <td>3844</td> <td>-1220</td> </tr> <tr> <td>TORONTO</td> <td>3866</td> <td>-1242</td> </tr> <tr> <td>LANSING-KC</td> <td>3882</td> <td>-1258</td> </tr> <tr> <td>BASE KANSAS CITY</td> <td>4109</td> <td>-1485</td> </tr> <tr> <td>RTD</td> <td>4150</td> <td>-1526</td> </tr> </table>	Name	Top	Datum	ANHYDRITE	2274	+ 350	ANHYDRITE - BASE	2304	+ 320	HEEBNER	3844	-1220	TORONTO	3866	-1242	LANSING-KC	3882	-1258	BASE KANSAS CITY	4109	-1485	RTD	4150	-1526
Name	Top	Datum																							
ANHYDRITE	2274	+ 350																							
ANHYDRITE - BASE	2304	+ 320																							
HEEBNER	3844	-1220																							
TORONTO	3866	-1242																							
LANSING-KC	3882	-1258																							
BASE KANSAS CITY	4109	-1485																							
RTD	4150	-1526																							

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	234	COM	175	3%CC; 2% GEL
PRODUCTION	8 5/8"	5 1/2"	14	4145	COM	150	10% SALT, 2% GEL
Port Collar DVT				1839 2306			500 GAL WFR

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	4-14' 4020' 4014'	15% MUD CLEANUP ACID	4020

Perforation
 4014'
 3/27/09
 KCC
 22

TUBING RECORD: Size: <u>2 7/8</u> Set At: <u>3997</u> Packer At: <u>0</u> Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		KCC WICHITA
Date of First, Resumed Production, SWD or Enhr. <u>03-04-09</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 Bbbs. <u>80</u>	Gas Mcf <u>0</u> Water Bbbs. <u>0</u> Gas-Oil Ratio _____ Gravity <u>34</u>

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



24 S. Lincoln Street
 P.O. Box 31
 Russell, KS 67665-2906

Voice: (785) 483-3887
 Fax: (785) 483-5566

INVOICE

Invoice Number: 118016
 Invoice Date: Jan 28, 2009
 Page: 1

Bill To:
 A & A Production
 P O Box 100
 Hill City,, KS 67642-0100

KCC
MAR 13 2009
CONFIDENTIAL

Customer ID	Well Name# or Customer P.O	Payment Terms	
A&Apro	Breeden #1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1	Russell	Jan 28, 2009	2/27/09

Quantity	Item	Description	Unit Price	Amount
450.00	MAT	Lightweight Class A	11.85	5,332.50
112.00	MAT	Flo Seal	2.45	274.40
450.00	SER	Handling	2.25	1,012.50
37.00	SER	Mileage 450 sx @ .10 per sk per mi	45.00	1,665.00
1.00	SER	Production String - Top Stage	1,159.00	1,159.00

RECEIVED
MAR 20 2009
KCC WICHITA

ALL PRICES ARE NET, PAYABLE
 30 DAYS FOLLOWING DATE OF
 INVOICE. 1 1/2% CHARGED
 THEREAFTER. IF ACCOUNT IS
 CURRENT, TAKE DISCOUNT OF

\$ 2360.85

ONLY IF PAID ON OR BEFORE

Feb 27, 2009

Subtotal	9,443.40
Sales Tax	353.23
Total Invoice Amount	9,796.63
Payment/Credit Applied	
TOTAL	9,796.63

7435.78



24 S. Lincoln Street
 P.O. Box 31
 Russell, KS 67665-2906

Voice: (785) 483-3887
 Fax: (785) 483-5566

INVOICE

Invoice Number: 118015
 Invoice Date: Jan 28, 2009
 Page: 1

Bill To:
A & A Production P O Box 100 Hill City., KS 67642-0100

KCC
MAR 13 2009
CONFIDENTIAL

Customer ID	Well Name# or Customer P.O.	Payment Terms	
A&APro	Breeden #1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1	Russell	Jan 28, 2009	2/27/09

Quantity	Item	Description	Unit Price	Amount
150.00	MAT	Class A Common	13.50	2,025.00
500.00	MAT	WFR-2	1.10	550.00
6.00	MAT	Salt	21.25	127.50
163.00	SER	Handling	2.25	366.75
37.00	SER	Mileage 163 sx @ .10 per sk pe rmi	16.30	603.10
1.00	SER	Production String - Bottom Stage	1,957.00	1,957.00
37.00	SER	Mileage Pump Truck	7.00	259.00
1.00	EQP	AFU Float Shoe	515.00	515.00
6.00	EQP	Centralizers	55.00	330.00
1.00	EQP	Basket	181.00	181.00
1.00	EQP	D V Tool	4,380.00	4,380.00
1.00	EQP	Latch Down Assembly	449.00	449.00

RECEIVED
MAR 20 2009
KCC WICHITA

ALL PRICES ARE NET, PAYABLE
 30 DAYS FOLLOWING DATE OF
 INVOICE. 1 1/2% CHARGED
 THEREAFTER. IF ACCOUNT IS
 CURRENT, TAKE DISCOUNT OF

\$ 2935.83

ONLY IF PAID ON OR BEFORE

Feb 27, 2009

Subtotal	11,743.35
Sales Tax	539.12
Total Invoice Amount	12,282.47
Payment/Credit Applied	
TOTAL	12,282.47

9346.64

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APR 23 2009

ALLIED CEMENTING CO., LLC. KCC WICHITA 0350157

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

SERVICE POINT:
Russell KS

DATE <u>7-28-09</u>	SEC <u>25</u>	TWP <u>9</u>	RANGE <u>26</u>	CALLED OUT	ON LOCATION	JOB START <u>10:30pm</u>	JOB FINISH <u>11:30pm</u>
WELL # <u>1</u>				LOCATION <u>Hill City KS south to Red Lake Rd</u>		COUNTY <u>Shepherd</u>	STATE <u>KS</u>
LEASE <u>Bredon</u>				West to stop sign 4 West North into			

CONTRACTOR AA #1
 TYPE OF JOB Production string Top stage
 HOLE SIZE 7 7/8 T.D. 4150'
 CASING SIZE 5 1/2 14" DEPTH 4145.00'
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DV Tool
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG.
 PERFS.
 DISPLACEMENT 56.26 Bbl
 EQUIPMENT

PUMP TRUCK # 409 CEMENTER John Roberts
 BULK TRUCK # 473 HELPER Robert
 BULK TRUCK # DRIVER Neale
 DRIVER

REMARKS:

Open DV Tool & Circulate 1 hr
Plug Rathole 30sk cement
17 in 180 sk cement
Displace plug w/ 56.26 Bbl H2O close DV
Tool Cement - Did Circulate!
Thanks!

CHARGE TO: AA
Anderson Production
 STREET
 CITY STATE ZIP

OWNER:
 CEMENT AMOUNT ORDERED 450 Lite Kg # Flo Seal

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
ASC	@		
<u>Lite 450</u>	@	<u>11.85</u>	<u>5332.5</u>
<u>Flo Seal 112</u>	@	<u>2.45</u>	<u>274.40</u>
HANDLING <u>450</u>	@	<u>2.25</u>	<u>1,012.50</u>
MILEAGE <u>110/10/10</u>	@		<u>1665.00</u>
			TOTAL <u>8,284.40</u>

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE		<u>1159.00</u>
EXTRA FOOTAGE	@	
MILEAGE	@	
MANIFOLD	@	
		TOTAL <u>1159.00</u>

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	

Allied Cementing Co., LLC.
 you are hereby requested to rent cementing equipment
 with all materials and labor to complete the work.

ALLIED CEMENTING CO., LLC. 035014A

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

SERVICE POINT:
Russell KS

DATE <u>1-28-09</u>	SEC. <u>25</u>	TWP. <u>9</u>	RANGE <u>26</u>	CALLED OUT	ON LOCATION	JOB START <u>8:30</u>	JOB FINISH <u>9:00 pm</u>
LEASE <u>Breedem</u>	WELL # <u>1</u>	LOCATION <u>Hill City KS South to Redline West</u>			COUNTY <u>Sheridan</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>			<u>to stop sign 4 West North into</u>				

CONTRACTOR AA Rig #1
 TYPE OF JOB Production string Bottom Stage
 HOLE SIZE 7 7/8 T.D. 4150
 CASING SIZE 5 1/2 14 # DEPTH 4145.206'
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DV Tool DEPTH 3300'
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 14.40
 CEMENT LEFT IN CSG. 14.40
 PERFS
 DISPLACEMENT 100.78 Bbl
 EQUIPMENT

OWNER:

CEMENT	AMOUNT ORDERED	<u>150 Com 10% Salt 2% G.</u>
COMMON	<u>150</u>	@ <u>13.50</u> <u>2025.00</u>
POZMIX		@
GEL		@
CHLORIDE		@
ASC		@
<u>WFR-2</u>	<u>500gal</u>	@ <u>1.10</u> <u>550.00</u>
<u>Salt</u>	<u>6</u>	@ <u>21.25</u> <u>127.50</u>
		@
		@
		@
		@
		@
HANDLING	<u>763</u>	@ <u>2.25</u> <u>366.75</u>
MILEAGE	<u>110/50 mi.</u>	<u>603.10</u>
TOTAL		<u>3672.35</u>

PUMP TRUCK CEMENTER John Roberts
 # 409 HELPER Robert
 BULK TRUCK
 # 378 DRIVER CH
 BULK TRUCK
 # DRIVER

REMARKS:

Est. Circulation & Circulate 30 min
Insect @ 4130.66
Mix 500gal WFR-2
Mix 750 5% cement
Displace plug w/ 45 bbl H₂O 54 bbl Mud 1.78 H₂O
Land plug @ 1600 psi
Float Field

CHARGE TO: AA Production
 STREET
 CITY STATE ZIP

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE		<u>1952.00</u>
EXTRA FOOTAGE	@	
MILEAGE	<u>37</u>	@ <u>7.00</u> <u>259.00</u>
MANIFOLD	@	
	@	
RECEIVED		
APR 23 2009	TOTAL	<u>2216.00</u>

KCC WICHITA
PLUG & FLOAT EQUIPMENT

<u>Induct AFU Float Shoe</u>	@	<u>515.00</u>
<u>5% inhibitor fluid Centralizer</u>	@ <u>55.00</u>	<u>330.00</u>
<u>1-3" Wren Mem. Fish Basket</u>	@	<u>151.00</u>
<u>Larsen DV Tool</u>	@	<u>4380.00</u>
<u>Larsen Latch down As.</u>	@	<u>449.00</u>

To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment

Paid 1-29-09

January 29, 2009

A&A PRODUCTION
BREEDEN # 1
350' FSL & 2290' FEL
Section 25, Township 9 South, Range 26 West
Sheridan County, Kansas

COMMENCED: 01-20-09.

PIPE RECORD: 8 5/8" @ 234',
and 5 1/2" @ 4149'.

COMPLETED DRILLING: 01-27-2009.

DST: 3 by Trilobite.

DRILLED BY: Anderson Drilling, Rig # 1.

LOGS: DIL, CNL/CDL, MEL.

ELEVATION
2624:KB
2619:GL

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Log tops from KB:

ANHYDRITE	2274' Top 2304' Base	+350 +320
HEEBNER	3844'	-1220
TORONTO	3866'	-1242
LANSING-KANSAS CITY	3882'	-1258
BASE KANSAS CITY	4109'	-1485
RTD	4150'	-1526
LTD	4156'	-1532

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The above captioned well was under my supervision from a rotary depth of 3500' to a rotary total depth of 4150'. Ten foot samples, washed and dried, were examined from 3500' to RTD. This well had 5 1/2" casing set for commercial production.

Respectfully,



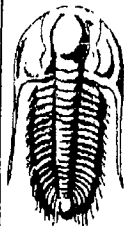
Mark Torr
Petroleum Geologist

Significant zones:

- 3866' to 3868': White to offwhite limestone. Fine crystalline, with scattered pinpoint to vug porosity. A fair show of live oil, medium to dark spotted stain, and a fair odor. This zone was covered in DST # 1.
- 3883' to 3888': White chalky limestone. No live oil, rare black asphaltic stain, and no odor.
- 3910' to 3914': Offwhite to tan limestone. Fine crystalline with a few scattered fossils. A fair show of free oil, a light to medium stain, and fair odor. The top 2' of this zone was covered in DST # 2, and recovered oil and water on the test. This zone should be tested prior to abandoning the well.
- 3921' to 3925': Tan limestone. Vuggy fine crystalline with scattered fossils. A fair show of free oil and a fair odor. This zone should be tested prior to abandoning the well.
- 3959' to 3972': Tan fine crystalline limestone. Pinpoint to vug porosity. No visible free oil, a light stain, and a faint odor.
- 4014' to 4020': Offwhite limestone. Fine crystalline with abundant vug porosity. No visible free oil, a light saturated stain and a fair odor. This zone was covered in DST # 3. TEST THIS ZONE.
- 4058' to 4066': Tan fine crystalline limestone. Scattered fossils and oolites. A fair show of live oil on break and a good odor. This zone was covered in DST # 3. TEST THIS ZONE.
- 4078' to 4082': Tan to brown limestone. Vuggy fine crystalline. A fair to good show of oil on break and a good odor. This zone was covered in DST # 3. TEST THIS ZONE.

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TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

A&A Production

Breedan #1

P O Box 100
Hill City, Ks 67642

25-9s-26w Sheridan

Job Ticket: 36276

DST# 1

ATTN: Andy Anderson

Test Start: 2009.01.25 @ 05:32:24

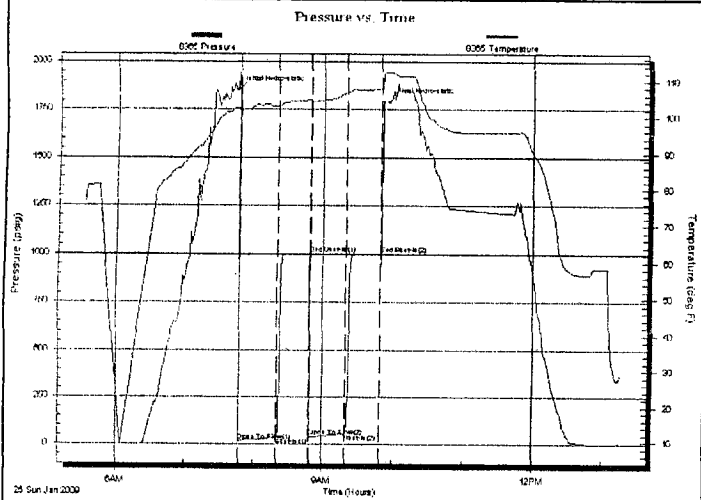
GENERAL INFORMATION:

Formation: Toronto
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:47:49
 Time Test Ended: 13:17:18
 Test Type: Conventional Bottom Hole
 Tester: Ray Schwager
 Unit No: 42
 Interval: 3837.00 ft (KB) To 3875.00 ft (KB) (TVD)
 Total Depth: 3875.00 ft (KB) (TVD)
 Reference Elevations: 2624.00 ft (KB)
 2619.00 ft (CF)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 KB to GR/CF: 5.00 ft

Serial #: 8365 Inside
 Press@RunDepth: 56.75 psig @ 3848.01 ft (KB) Capacity: 7000.00 psig
 Start Date: 2009.01.25 End Date: 2009.01.25 Last Calib.: 2009.01.25
 Start Time: 05:32:24 End Time: 13:17:18 Time On Btm: 2009.01.25 @ 07:44:49
 Time Off Btm: 2009.01.25 @ 09:55:18

TEST COMMENT: IFF-w k bl thru-out 1/2" to 2 1/4" bl
 FFP-w k bl thru-out surface to 1/4" bl
 Times 30-30-30-30

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1854.17	102.46	Initial Hydro-static
3	137.1	101.47	Open To Flow (1)
36	35.91	103.11	Shut-In(1)
64	1001.11	104.82	End Shut-In(1)
64	38.03	104.39	Open To Flow (2)
95	56.75	106.86	Shut-In(2)
125	1000.45	107.81	End Shut-In(2)
131	1789.76	112.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	MW 10% M90%W w/show of oil in tool	1.12

Gas Rates

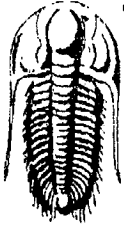
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

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MAR 20 2009

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TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

A&A Production

Breedan #1

P O Box 100
Hill City, Ks 67642

25-9s-26w Sheridan.

Job Ticket: 36277

DST# 2

ATTN: Andy Anderson

Test Start: 2009.01.26 @ 03:40:23

GENERAL INFORMATION:

Formation: **LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:50:48

Time Test Ended: 11:18:47

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Interval: **3895.00 ft (KB) To 3912.00 ft (KB) (TVD)**

Total Depth: 3912.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 2624.00 ft (KB)

2619.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8365

Inside

Press@RunDepth: 342.58 psig @ 3896.01 ft (KB)

Capacity: 7000.00 psig

Start Date: 2009.01.26

End Date:

2009.01.26

Last Calib.: 2009.01.26

Start Time: 03:40:23

End Time:

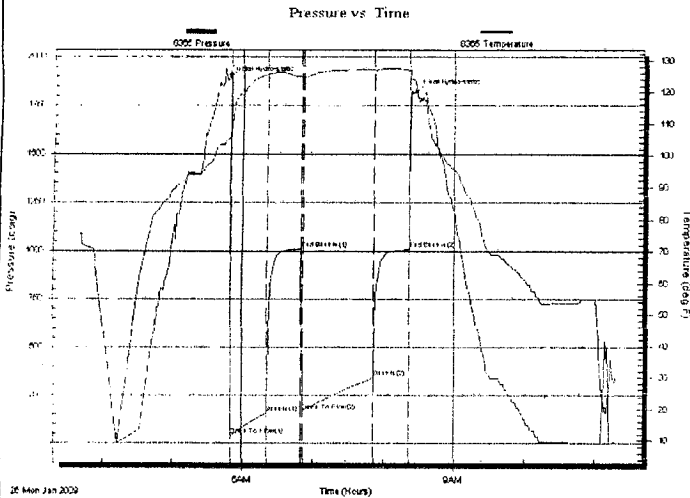
11:18:47

Time On Btm: 2009.01.26 @ 05:47:18

Time Off Btm: 2009.01.26 @ 08:26:47

TEST COMMENT: IFP-strg bl in 3 min
FFP-strg bl in 6 min
Times 30-30-60-30
ISIP-3/4" bl bk, FSIP-3/4" bl bk

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1883.82	105.07	Initial Hydro-static
4	40.40	109.02	Open To Flow (1)
34	157.46	125.54	Shut-In(1)
64	1011.12	124.76	End Shut-In(1)
65	168.95	124.49	Open To Flow (2)
125	342.58	127.23	Shut-In(2)
155	1008.21	126.96	End Shut-In(2)
160	1816.98	123.57	Final Hydro-static

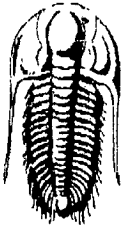
Recovery

Length (ft)	Description	Volume (bbl)
0.00	255' GIP	0.00
105.00	CO	1.47
124.00	HO&GCM 20% G20% O50% M	1.74
186.00	O&GCMW 10% G10% O20% M60% W	2.61
248.00	SOCW 1% O99% W	3.48

Gas Rates

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

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TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

A&A Production

Breedan #1

P O Box 100
Hill City, Ks 67642

25-9s-26w Sheridan

Job Ticket: 36278 **DST#: 3**

ATTN: Andy Anderson

Test Start: 2009.01.27 @ 23:26:43

GENERAL INFORMATION:

Formation: **LKC H-Base**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:10:08

Time Test Ended: 08:20:08

Test Type: Conventional Straddle

Tester: Ray Schwager

Unit No: 42

Interval: **3990.00 ft (KB) To 4105.00 ft (KB) (TVD)**

Reference Elevations: 2624.00 ft (KB)

Total Depth: 4156.00 ft (KB) (TVD)

2619.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8365 Inside

Press@RunDepth: 836.21 psig @ 3998.01 ft (KB)

Capacity: 7000.00 psig

Start Date: 2009.01.27

End Date: 2009.01.28

Last Calib.: 2009.01.28

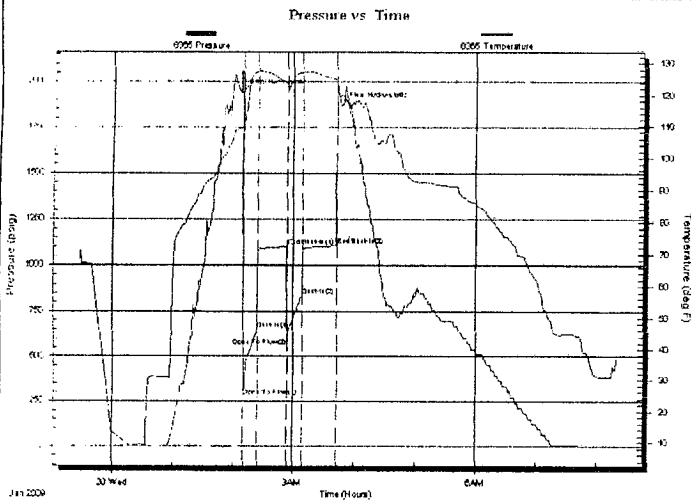
Start Time: 23:26:43

End Time: 08:20:08

Time On Btm: 2009.01.28 @ 02:07:38

Time Off Btm: 2009.01.28 @ 03:47:07

TEST COMMENT: IFP-strg bl thru-out
FFP-strg bl thru-out
Times 15-30-15-30
ISIP-strg bl bk in 9min, FSIP-strg bl bk in 3 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1939.78	109.24	Initial Hydro-static
3	273.60	109.90	Open To Flow (1)
17	648.76	127.24	Shut-In(1)
46	1100.64	123.77	End Shut-In(1)
47	607.23	123.41	Open To Flow (2)
61	836.21	127.01	Shut-In(2)
95	1105.92	124.90	End Shut-In(2)
100	1866.86	119.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	1615'GIP	0.00
1860.00	CO	26.09
372.00	MGO 25%G10%M85%O	5.22

Gas Rates

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