



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1199312
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

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
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

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

_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-
Feet from North / South Line of Section

_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-
Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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 cmt.

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 #: _____

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

County: _____ Permit #: _____

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.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1199312

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input 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

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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	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 Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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 <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	K & N Petroleum, Inc.
Well Name	Browning 'C' 1-13
Doc ID	1199312

All Electric Logs Run

Gamma Ray Log
Dual Induction Log
Compensated Neutron Log
Compensated Density Log
Microresistivity Log
Cement Bond Log

Form	ACO1 - Well Completion
Operator	K & N Petroleum, Inc.
Well Name	Browning 'C' 1-13
Doc ID	1199312

Tops

Name	Top	Datum
Anhydrite	406	+1344
Base Anhydrite	429	+1321
Heebner	2800	-1050
Toronto	2821	-1071
Douglas	2830	-1080
Brown Lime	2924	-1174
Lansing	2955	-1205
Base Kansas City	3235	-1485
Arbuckle	3290	-1540
RTD	3400	-1650
LTD	3400	-1650

TREATMENT REPORT

Acid Stage No. _____

Date 1/28/2014 District G.B. F.O. No. C40339
 Company K&N Petroleum
 Well Name & No. Browning C 1-13
 Location _____ Field _____
 County Rice State KS

Type Treatment: _____ Amt. _____ Type Fluid _____ Sand Size _____ Pounds of Sand _____
 Bkdown _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 Flush _____ Bbl./Gal. _____

Casing: Size 5.5" Type & Wt. 15.5# Set at _____ ft.
 Formation: _____ Perf. _____ to _____
 Formation: _____ Perf. _____ to _____
 Formation: _____ Perf. _____ to _____
 Liner: Size _____ Type & Wt. _____ Top at _____ ft. Bottom at _____ ft.
 Cemented: Perforated from _____ ft. to _____ ft.
 Tubing: Size & Wt. _____ Swung at _____ ft.
 Perforated from _____ ft. to _____ ft.
 Open Hole Size _____ T.D. _____ ft. P.B. to _____ ft.

Treated from _____ ft. to _____ ft. No. ft. 0
 from _____ ft. to _____ ft. No. ft. 0
 from _____ ft. to _____ ft. No. ft. 0
 Actual Volume of Oil / Water to Load Hole: _____ Bbl./Gal.
 Pump Trucks. No. Used: Std. 320 Sp. _____ Twin _____
 Auxiliary Equipment 360/310
 Personnel Nathan Greg Joe Mike
 Auxiliary Tools _____
 Plugging or Sealing Materials: Type _____ Gals. _____ lb.

Company Representative _____ Ed _____ Treater _____ Nathan W.

TIME	PRESSURES		Total Fluid Pumped	REMARKS
	Tubing	Casing		
7:30		5.5"		On Location.
				Hole-3400'
				Pipe-3383 Centralizers-1-3-5-7-9
				Baffle-3370' Basket-4-6
				Land pipe and break-circulation with mud pump. Circulate for 45 minutes
				Pump 600gal of mud flush.
				Plug Rat hole with 30sk. 60 /40poz
				Plug mouse hole with 20sk.
				Tie on 5.5" casing. Mix 200sk. 60/40poz 2%gel 18%salt .75%C-37 .75%C-41p 5#/sk Gilsonite
4:00				Displace with 82.5bbls at 7bpm-900# Plug landed at 1500# Released pressure. Float held. Wash up.
				Thank You!
				Nathan W.



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

K&N Petroleum Inc.
 1105 Walnut
 Greatbend KS 67530
 ATTN: Jim musgrove

13-19-10, Rice, KS
Browning C #1-13
 Job Ticket: 56202 **DST#: 1**
 Test Start: 2014.01.26 @ 15:50:00

GENERAL INFORMATION:

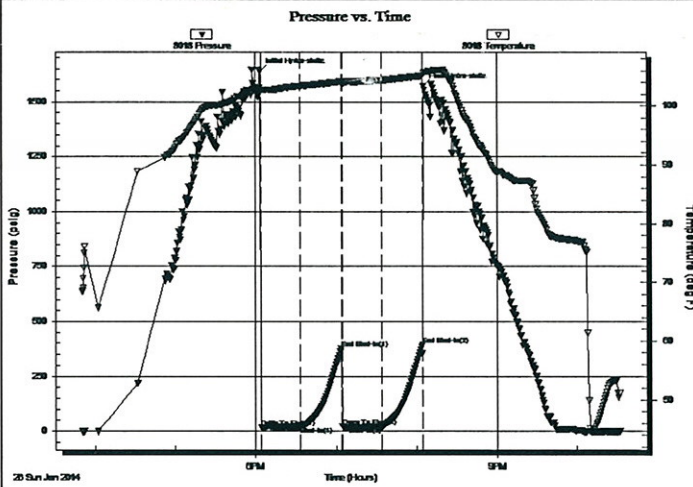
Formation: **Arb**
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole (Initial)**
 Time Tool Opened: **18:04:00** Tester: **Brett Dickinson**
 Time Test Ended: **22:32:30** Unit No: **59**
 Interval: **3232.00 ft (KB) To 3295.00 ft (KB) (TVD)** Reference Elevations: **1753.00 ft (KB)**
 Total Depth: **3295.00 ft (KB) (TVD)** **1740.00 ft (CF)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **13.00 ft**

Serial #: 8018

Outside

Press@RunDepth: **20.95 psig @ 3235.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2014.01.26** End Date: **2014.01.26** Last Calib.: **2014.01.26**
 Start Time: **15:50:05** End Time: **22:32:29** Time On Btm: **2014.01.26 @ 18:03:30**
 Time Off Btm: **2014.01.26 @ 20:05:00**

TEST COMMENT: IF-1in blow died in 23min
 ISI-No blow
 FF-No blow
 FSI-No blow



PRESSURE SUMMARY

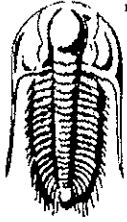
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1634.36	103.07	Initial Hydro-static
1	18.41	102.55	Open To Flow (1)
30	21.35	103.41	Shut-In (1)
60	375.31	104.11	End Shut-In (1)
61	21.73	103.99	Open To Flow (2)
91	20.95	104.39	Shut-In (2)
121	395.07	105.13	End Shut-In (2)
122	1569.35	105.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	SOCM	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

K&N Petroleum Inc.

13-19-10, Rice, KS

1105 Walnut
Greatbend KS 67530

Browning C #1-13

Job Ticket: 56202

DST#: 1

ATTN: Jim musgrove

Test Start: 2014.01.26 @ 15:50:00

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	SOCM	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

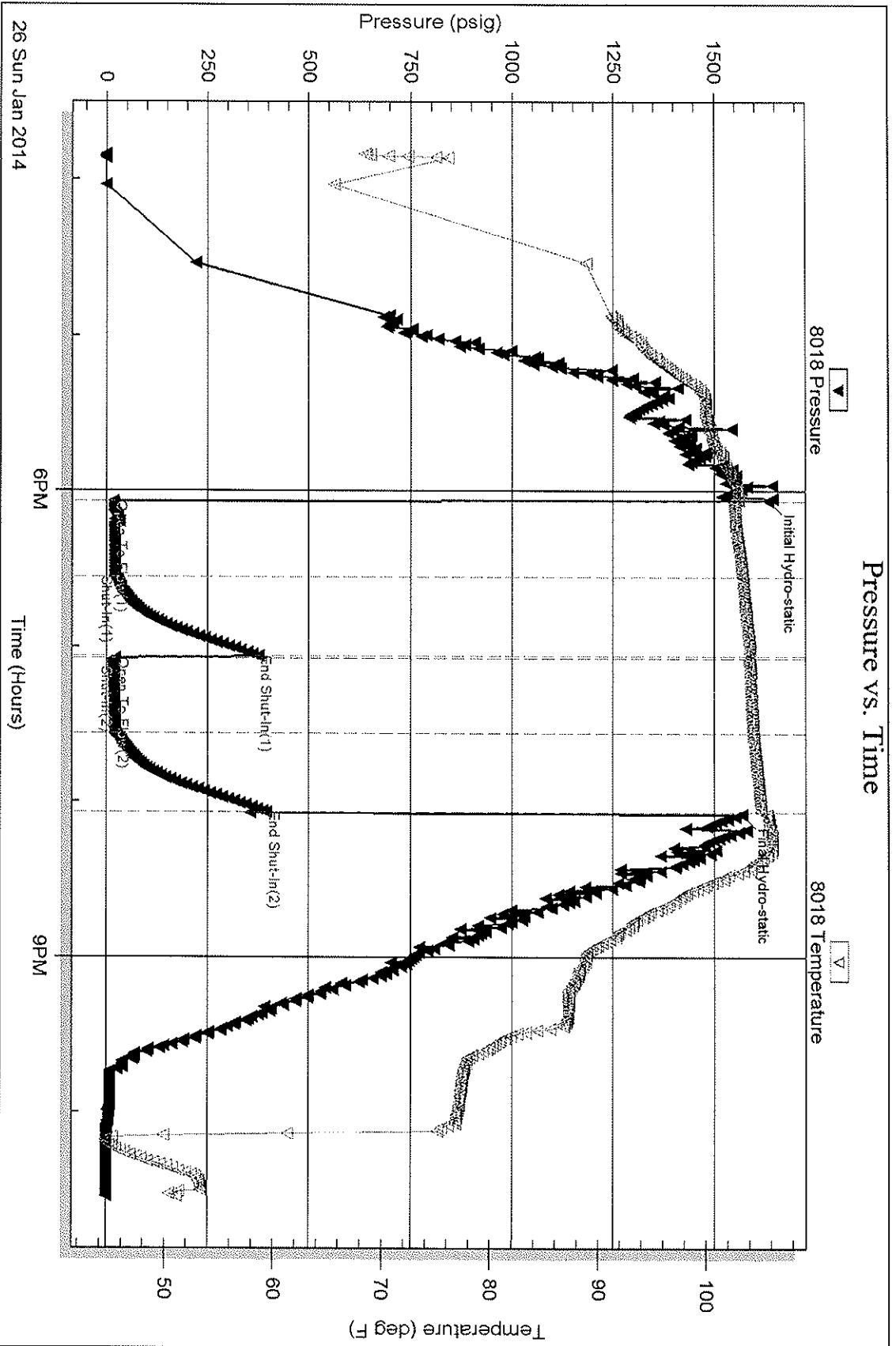
Recovery Comments:

Serial #: 8018

Outside K&N Petroleum Inc.

Brownrig C#1-13

DST Test Number: 1





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

K&N Petroleum Inc.
1105 Walnut
Great Bend KS 67530
ATTN: Jim Musgrove

13-19-10, Rice, KS
Browning C #1-13
Job Ticket: 56203 **DST#: 2**
Test Start: 2014.01.27 @ 04:30:00

GENERAL INFORMATION:

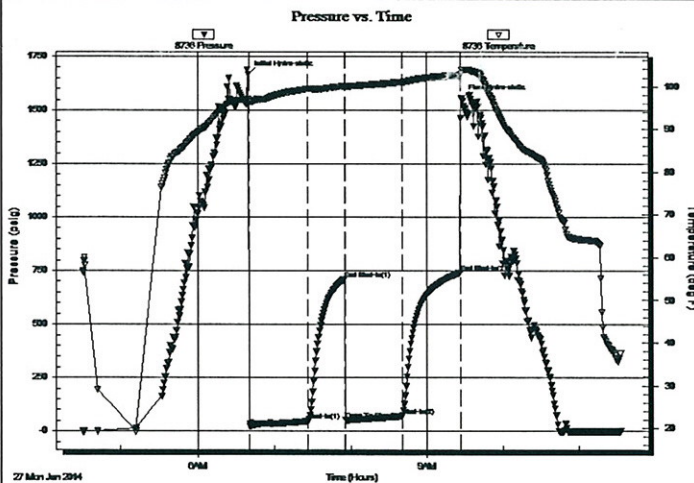
Formation: **Arb**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 06:40:45
Time Test Ended: 11:32:45
Test Type: **Conventional Bottom Hole (Reset)**
Tester: **Brett Dickinson**
Unit No: **59**
Interval: **3232.00 ft (KB) To 3302.00 ft (KB) (TVD)**
Total Depth: **3302.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Reference Elevations: **1753.00 ft (KB)**
1740.00 ft (CF)
KB to GR/CF: **13.00 ft**

Serial #: 8736

Inside

Press@RunDepth: **70.88 psig @ 3235.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2014.01.27** End Date: **2014.01.27** Last Calib.: **2014.01.27**
Start Time: **04:30:05** End Time: **11:32:44** Time On Btm: **2014.01.27 @ 06:40:00**
Time Off Btm: **2014.01.27 @ 09:28:00**

TEST COMMENT: IF-BOB in 22min
ISI-No blow
FF-BOB in 21min
FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1666.70	96.96	Initial Hydro-static
1	23.16	96.42	Open To Flow (1)
47	47.49	99.49	Shut-In(1)
75	713.12	100.07	End Shut-In(1)
76	51.59	99.97	Open To Flow (2)
121	70.88	101.05	Shut-In(2)
167	742.51	102.67	End Shut-In(2)
168	1556.33	103.87	Final Hydro-static

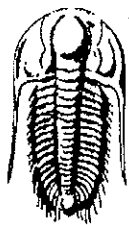
Recovery

Length (ft)	Description	Volume (bbl)
40.00	SGOCM 20%G 20%O 60%M	0.56
100.00	GO 20%G 80%O	1.40
0.00	450ft GIP	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

K&N Petroleum Inc.
1105 Walnut
Great Bend KS 67530
ATTN: Jim Musgrove

13-19-10,Rice,KS
Browning C #1-13
Job Ticket: 56203 **DST#: 2**
Test Start: 2014.01.27 @ 04:30:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	38 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	50.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	7.98 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
40.00	SGOCM 20%G 20%O 60%M	0.561
100.00	GO 20%G 80%O	1.403
0.00	450ft GiP	0.000

Total Length: 140.00 ft Total Volume: 1.964 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

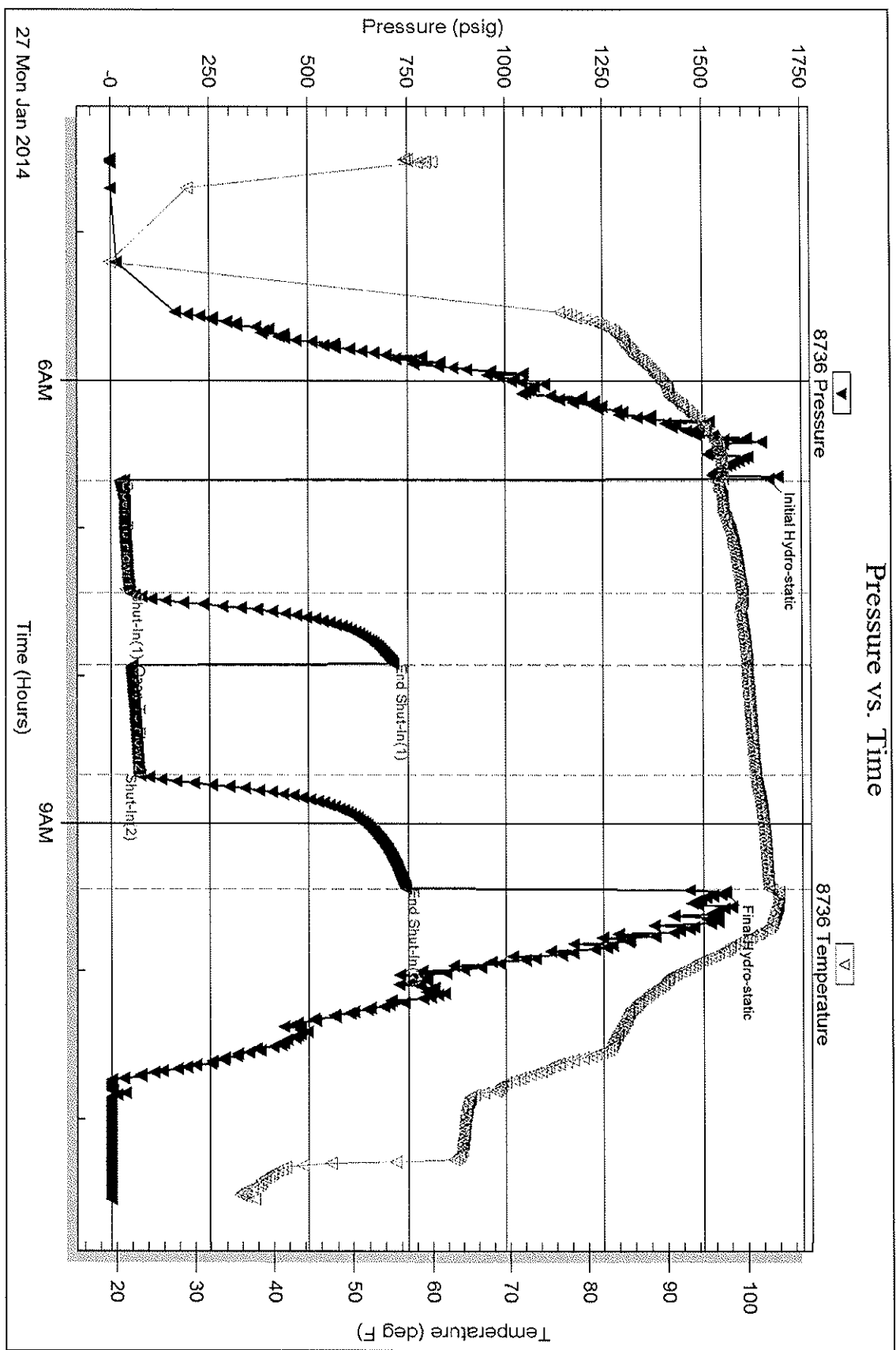
Serial #: 8736

Inside

K&N Petroleum Inc.

Browning C #1-13

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 56203

Printed: 2014.01.27 @ 13:01:31

D.S.&W. WELL SERVICING, INC.1822 24th Street
Great Bend, KS 67530Date: 02/03/14Lease: Browning "C"Company: K & N Petroleum, Inc.Well: #1-13 - New WellAddress: 1105 Walnut, Great Bend, KS 67530Invoice #: 70749

CONTINUATION SHEET #1

01/27/14 - 8 Winch trk.w/trailer hrs. - Hauled 5-1/2" casing to location. Removed thread protectors and tallied casing.01/29/14 - 4.5 Backhoe hrs. - Drove to location. Cleaned up mess on location. Backfilled water pit cellar. Put riser on braiden head.01/30/14 - 4.5 Backhoe hrs. - Drove to South shop and loaded 108 joints of 2-7/8". Hauled to location and stacked on seals. Loaded 1 joint of casing and took to Smith Supply.01/30/14 - 5.5 Winch trk.w/trailer hrs. - Drove to K & N's Ellinwood yard and loaded 108 joints of 2-7/8" tubing. Hauled to location and unloaded. Racked out on seals. Loaded 1 joint of 5-1/2" casing and hauled to Smith Supply and unloaded.01/31/14 - 2 Backhoe hrs. - Drove to location and spread sand. Picked up casing and racks.01/31/14 - 2 Winch trk.hrs. - Hauled swab tank to location and unloaded. Returned to yard.01/31/14 - 2 Winch trk.w/trailer hrs. - Drove to location and picked up 3 joints of 5-1/2" casing, 1 landing joint and casing racks.01/31/14 - 2 Rig hrs. - Drove to location. Have tailgate safety meeting. Move in and rig up. Shut down for the day.02/03/14 - 5 Rig hrs. - Drove to location. Have tailgate safety meeting. Rig up casing swab. Tag fluid @ surface. Swab down to 3320'. Swabbed into pit. Rig down casing swab. Rig up Copeland Acid to dump 250 gallons of MOD 202. Load casing w/75 barrels of KCL water. Rig down Copeland Acid. Rig up Log-Tech of Kansas to perforate @ 3294'-3300'. Rig down Log-Tech. Rig up Copeland to displace acid @ 0.5 bbl./min. @ 100#. Rig down Copeland. Shut down for the day.02/04/14 - 6 Rig hrs. - Drive to location. Have tailgate safety meeting. Check on fill-up. Rig up casing swab. Tag fluid @ 1400'. Swab steady on. Swabbed down to 3200'. Recovered 9.1 bbls.w/8% oil cut. Start 15-minute tests: (1) tag fluid @ 2800', 400' fill-up, show of oil (2) tag fluid @ 2750', 450' fill-up, show of oil (3) tag fluid @ 2750', 450' fill-up, 5% oil (4) tag fluid @ 2750', 450' fill-up, 5% oil, 26.1 bbls./hr. Rig down casing swab. Shut down for the day.02/05/14 - 3.5 Rig hrs. - Drive to location. Have tailgate safety meeting. Check on fill-up. Rig up casing swab. Tag fluid @ 1450'. Pull 200' of fluid, 100' free oil on top. Rig down casing swab. Shut down for the day.02/07/14 - 4 Backhoe hrs. - Drove to location. Cleaned lease roads and tank battery. Cleaned new location for rig and cement truck to get in/out.02/07/14 - 6 Rig hrs. - Drive to location. Have tailgate safety meeting. Rig up Log-Tech of Kansas to perforate @ 3330'-3331'. Rig down Log-Tech. Trip in hole w/5-1/2" packer and 101 jts.of 2-7/8". Set packer @ 3227'. Shut down for the day.02/11/14 - 3.5 Backhoe hrs. - Drove to location. Cleaned snow and pulled cementers into location.02/11/14 - 8 Rig hrs. - Drive to location. Have tailgate safety meeting. Rig up Copeland to squeeze w/35 sacks of cement w/C-12 and 25 sacks of common. Reversed out. Rig down Copeland. Release packer. Pull 101 jts.of 2-7/8" w/5-1/2" packer. Rig down and move off.**NOTE: SWAB TANK STILL ON LOCATION**

D.S.&W. WELL SERVICING, INC.1822 24th Street
Great Bend, KS 67530Date: 03/03/14Lease: Browning "C"Company: K & N Petroleum, Inc.Well: #1-13 - New WellAddress: 1105 Walnut, Great Bend, KS 67530Invoice #: 70792

CONTINUATION SHEET #1

Sales Tax - Rice County 7.15% - New Well

\$ -

Total Due

\$ 17,247.85

02/21/14 - 2 Winch trk.w/operator hrs. - Hauled swab tank to location and drove back to the shop.

02/21/14 - 3 Rig hrs. - Drive to location. Have tailgate safety meeting. Move in and rig up. Trip in hole w/bit sub and 4-7/8" bit, 102 jts.of 2-7/8" tubing. Tag up @ 3240'. Shut down for the day.

02/24/14 - 2.5 Winch trk.w/operator hrs. - Loaded mud tank and hauled to location. Unloaded and returned to Hoisington yard.

02/24/14 - 12 Rig hrs. & 8 MPPS hrs. - Hauled MPPS to location. Ran hoses. Drive rig to location. Have tailgate safety meeting. Rig up MPPS. Break circulation. Start drilling @ 3240'. Drill down to 3379'. Circulate hole clean. Pressure up @ 300# - held. Rack out MPPS and haul MPPS to shop. Pull tubing as follows: 106 jts.of 2-7/8", bit sub and 4-7/8" bit. Shut down for the day.

02/25/14 - 5 Rig hrs. - Drive to location. Have tailgate safety meeting. Rig up Log-Tech of Kansas to run strip bond log. Rig down Log-Tech. Rig up casing swab. Tag fluid @ 300'. Swab down to 3350'. Swabbed into pit. Rig down casing swab. Rig up Copeland to dump 250 gallons of MOD-202. Load 5-1/2" casing. Rig down Copeland. Rig up Log-Tech to perforate @ 3312'-3314'. Rig down Log-Tech. Shut down for the day.

02/26/14 - 10.5 Rig hrs. - Drive to location. Have tailgate safety meeting. Check pressure @ 10#. Check on overnight fill-up. Rig up casing swab. Tag fluid @ 900'. Swab down to 3250'. Recovered 62.9 bbls. Wait 15 minutes. Tag fluid @ 3200'. Show of oil. Start 30-minute tests: (1) tag fluid @ 3200', 50' fill-up (2) tag fluid @ 3200', 75' fill-up, 2% oil, 3.0 bbls./hr. (1) tag fluid @ 3190', 60' fill-up, 2% oil (2) tag fluid @ 3210', 40' fill-up, show of oil, 2.8 bbls./hr. (1) tag fluid @ 3200', 50' fill-up, show of oil (2) tag fluid @ 3200', 50' fill-up, show of oil, 2.6 bbls./hr. (1) tag fluid @ 3200', 100' fill-up, show of oil (2) tag fluid @ 3250', 50' fill-up, 7% oil, 3.9 bbls./hr. (1) tag fluid @ 3250', 50' fill-up, 7% oil (2) tag fluid @ 3250', 50' fill-up, 5% oil, 2.8 bbls./hr. (1) tag fluid @ 3260', 40' fill-up, 12% oil. Tag fluid @ 3250', 100' fill-up, 6% oil, 4.7 bbls./hr. Rig down casing swab. Rig up Copeland to dump 500 gallons of Mod-202. Load 5-1/2" casing. Rid down Copeland. Shut down for the day.

02/27/14 - 11 Rig hrs. - Drive to location. Have tailgate safety meeting. Check on fill-up. Rig up casing swab. Tag fluid @ 1300'. Swab down to 3250'. Recovered 59.2 bbls.w/show of oil. Wait 15 minutes. Tag fluid @ 3200'. Swab down to 3300' w/show of oil. Recovered 2.2 bbls. Start 15-minute tests: (1) tag fluid @ 3200', 100' fill-up, 6% oil (2) tag fluid @ 3200', 100' fill-up, 5% oil (3) tag fluid @ 3225', 75' fill-up, 5% oil (4) tag fluid @ 3225', 75' fill-up, 7% oil, 9.4 bbls./hr. (1) tag fluid @ 3210', 90' fill-up, 5% oil (2) tag fluid @ 3225', 75' fill-up, 6% oil (3) tag fluid @ 3225', 75' fill-up, 5% oil (4) tag fluid @ 3225', 75' fill-up, 7% oil, 8.4 bbls./hr. (1) tag fluid @ 3225', 75' fill-up, 5% oil (2) tag fluid @ 3236', 60' fill-up, 6% oil (3) tag fluid @ 3235', 60' fill-up, 5% oil (4) tag fluid @ 3235', 60' fill-up, 6% oil, 6.5 bbls./hr. Rig down casing swab. Rig up Log-Tech

D.S.&W. WELL SERVICING, INC.

1822 24th Street
Great Bend, KS 67530

Date: 03/03/14

Lease: Browning "C"

Company: K & N Petroleum, Inc.

Well: #1-13 - New Well

Address: 1105 Walnut, Great Bend, KS 67530

Invoice #: 70792

CONTINUATION SHEET #2

of Kansas to perforate @ 3294'-3300'. Rig down Log-Tech. Trip in hole w/5-1/2" packer and plug, 106 jts.of 2-7/8". Pull 2 jts.of 2-7/8". Set plug @ 3306'. Pull 1 jt.of 2-7/8". Set packer @ 3275'. Rig up tubing swab. Tag fluid @ 2750'. Swab down to 3270'. Recovered 2.4 bbls., no show of oil. 2nd pull: dry run. Wait 30 minutes. Tag fluid @ 3225', 50' fill-up, show of oil. Rig down tubing swab. Release packer. Run 8' - 2-7/8" sub. Rig up tubing swab. Tag fluid @ 3150'. Rig down tubing swab. Rig up Copeland to spot 2.0 bbls. Rig down Copeland. Pull 8' - 2-7/8" sub. Set packer @ 3275'. Rig up Copeland to treat w/250 gallons of MOD-202. Rig down Copeland. Shut down for the day.

02/28/14 - 10.5 Rig hrs. - Drive to location. Have tailgate safety meeting. Check pressure @ 10#. Check on fill-up. Rig up tubing swab. Tag fluid @ 300'. Swab down to 3270'. Recovered 15.9 bbls. Wait 15 minutes. Tag fluid @ 3250', 20' fill-up, no show of oil. Wait 30 minutes. Tag fluid @ 3245', 30' fill-up, no show of oil. Rig down tubing swab. Rig up Copeland to treat w/500 gallons of 15% NeFe. Rig down Copeland. Wait 1 hour. Rig up tubing swab. Tag fluid @ 1300'. Swab down to 3275'. Recovered 21.1 bbls.w/show of oil. Start 15-minute tests: (1) tag fluid @ 2425', 850' fill-up, show (2) tag fluid @ 3425', 850' fill-up, show (3) tag fluid @ 2425', 850' fill-up, show (4) tag fluid @ 2425', 850' fill-up, show, 17.8 bbls./hr. (1) tag fluid @ 2425', 850' fill-up, show (2) tag fluid @ 2450', 825' fill-up, show (3) tag fluid @ 2450', 825' fill-up, show (4) tag fluid @ 2450', 825' fill-up, show, 16.4 bbls./hr. (1) tag fluid @ 2450', 825' fill-up, show (2) tag fluid @ 2450', 825' fill-up, show (3) tag fluid @ 2275', 1000' fill-up, show (4) tag fluid @ 2275', 1000' fill-up, show, 19.2 bbls./hr (1) tag fluid @ 2425', 850' fill-up, show (2) tag fluid @ 2425', 850' fill-up, show (3) tag fluid @ 2425', 850' fill-up, show (4) tag fluid @ 2425', 850' fill-up, show, 17.8 bbls./hr. Rig down tubing swab. Shut down for the day.

03/03/14 - 6 Rig hrs. - Drive to location. Have tailgate safety meeting. Check on overnight fill-up. Rig up tubing swab. Tag fluid @ 1500'. Pull 1000' of fluid - 50' free oil on top. Rig down tubing swab. Release packer. Run 1 jt.of 2-7/8". Release plug. Pull tubing as follows: 104 jts.of 2-7/8" w/5-1/2" packer and plug. Rig down and move off.

03/07/14 - 7 Rig hrs. - Drive to location. Have tailgate safety meeting. Move in and rig up. Ran new mud anchor, barrel (chrome i.d.), 3 jts.of 2-7/8" tubing, 5-1/2' anchor catcher and 101 jts.of 2-7/8" tubing. Set anchor catcher 15,000 over. Tubing is 15' off bottom. Ran in used rods, new 8' and 2' - 7/8" subs w/new polish rod and liner. Longstroke. Tore down and moved off.

03/10/14 - 4 Winch truck w/operator hrs. - Picked up mud tank, drain into pit and hauled back to the shop. Picked up swab tank and hauled back to the shop.

KIN Petroleum Inc
Browning #1-13 (C")

Chase - Sibica

13 NW-me-se-nw (1509 FNL
19s 2305' FNL)
10w

1750

Rice Kansas

- KB -

Minnesota Drilling Co (rig #1)

8/8/11e 39%
5/12/11e 33%

1/22/14
3400

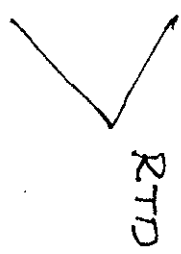
1/28/14
3400

chemical
displaced

By Pioneer,
OIL/CNL/CDL, MCB

2700
2700
2700
2850

Jim Musgrove

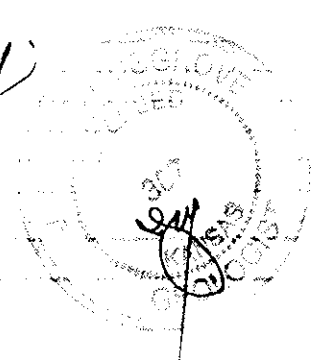


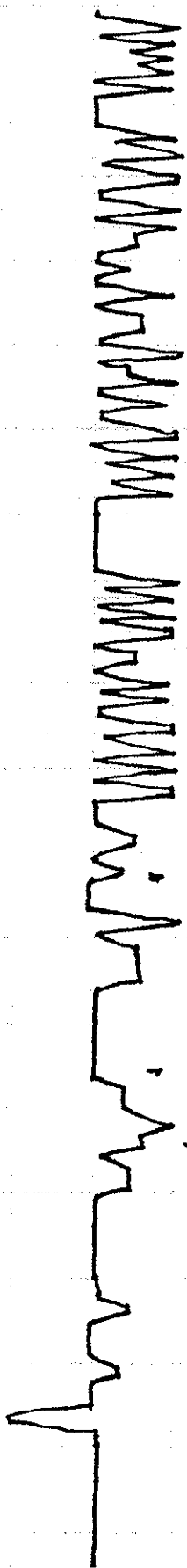
RTD

anhydrite	406	+1344
Basal anhydrite	429	+1321
Heebner	2800	-1050
Toronto	2821	-1071
Douglas	2830	-1080
Brown Lime	2924	-1174
Mansting	2935	-1205
Base Kansas City	3235	-1485
Arbuckle	3290	-1540
RTD	3400	-1540

5 1/2" production casing was set & cemented on the Browning #1-13.

Respectfully Submitted:
James C. Musgrove
Petroleum Geologist





20
40
60
80
2800
20
40
60
80

Heebner
2803 (-1053)

Toronto
Douglas

ls, com, (fx-l), sub com, chky
poor d, Jr. brown stn
nsfo, no odor

31

Jr. gry Δ

~ blk carb. sh.

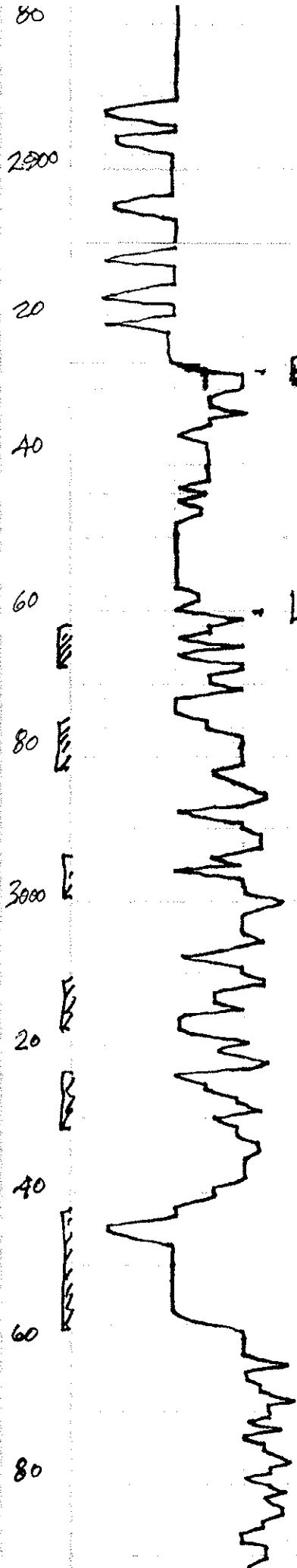
~ gry/green sh.
+ Jr. tan, dense ls,

ls, wh/gry; fx-l; few foss;
Spiky brown stn, nsfo; no odor

~ gry/greyish green
silty mica sh + Jr.
sd/gry; vfg; mica, scatt d
???/stn

~ Sand; gry/greyish green.
vfg; subrounded mica
friable, fr-good brown-blk
stn, nsfo, no odor.

150 KB



tan, info, no odor.

32
 gry / tan gry silty sh

31

LS, tan / brown; fr. ool; dense
 fr. fcs

~ v.c. silty sh.

LS, wh / gry; fr. ool; cherty
 scatter ms ??? odor

32

~ LS, gry; ool; dense
 no shows

32

LS, crm / wh; sub-room; cherty
 poorly dev'd ms

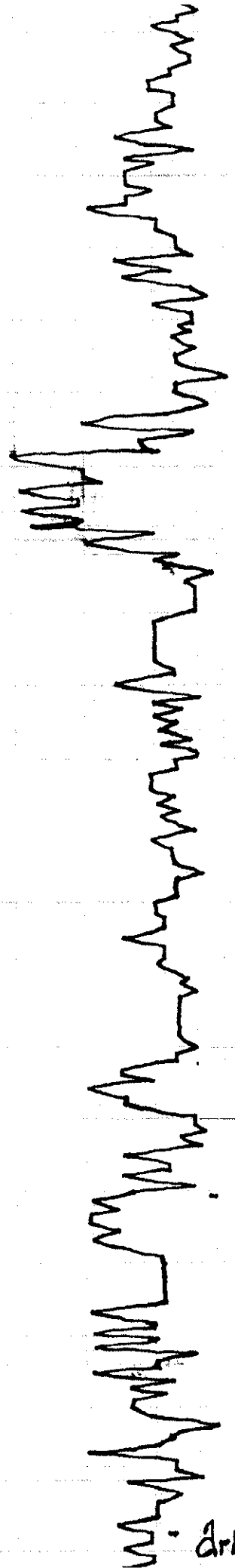
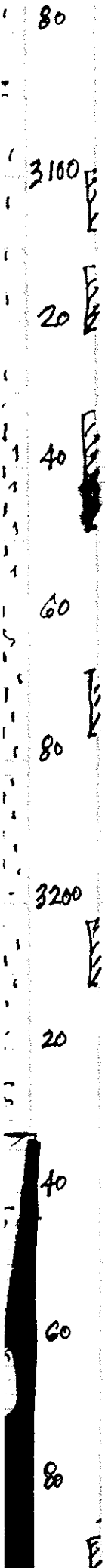
~ LS, gry / tan; ool; dense
 fr. ool

~ aa

~ 1750 KB

LS, tan; ool; fr. ool;
 cherty in part; few ool
 ms

LS, tan / gry; fr. ool; cherty
 few ms



few dy

~ blk sh.

ls; tan, (xh) few foss /
dy in part (dense)

~ ls; gry / tan, foss / coll
slightly dy (dsc)

ls; tan / gry; poi; finely oom / oom
fr d' (barren)

~ gry / green sh
ls; tan, finely ool, dense - poor g

~ ls; tan, gry; fr-l; few
gran (!??) cherty - dense

fr blk sh; fr. foss

ls; wh / gry; (xh) + wh dy
dense

~ mar gry sh
fr. ambr A + fr. tan foss; dense
ls.

~ v. c sh.
silty in part
ls; tan / foss; dense; fr. foss

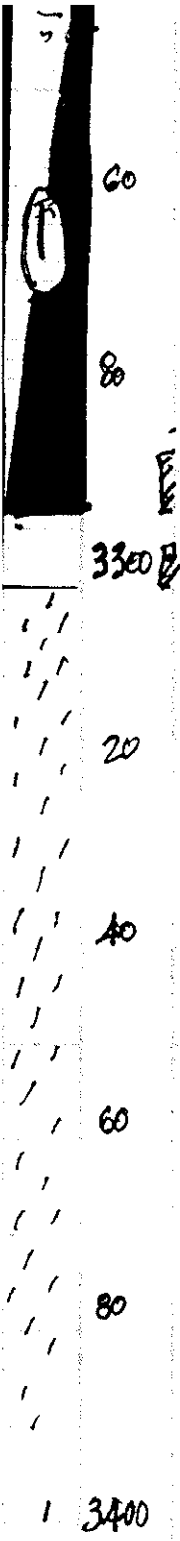
~ mar purple gry sh
+ fr. mar / yellow limbed ls.

~ lime green cal sand
+ mar / purple gry
brick red sh.

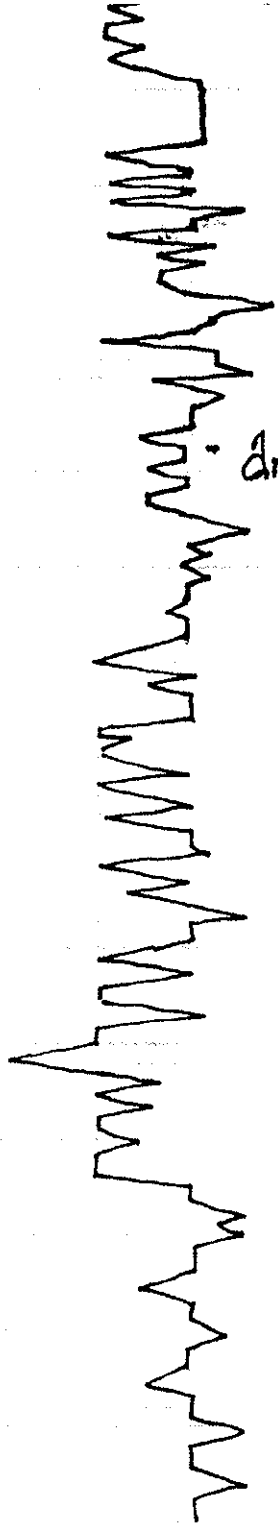
- Base Kansas
City 3241

- Arbuckle

Dst #1 3232-3295
30-30-30-30
Blow, weak (died
23 mins)
2nd opening - no
blow
Rec; 10' slightly off
cut mud
(5900 lb; 95% mud)
pressures: Isip 375 ps
fsip 395
Isp 18-21
fsip 22-21



Lease R 1130
City 3241



Arbuckle
3287 (-153T)

RTD 3400

v. c sh.
silly in part
ls tan / foss; dense; Jr. FeS₂

max purple gray sh
+ 2 max yellow lim bed ls.

lime green cal sand
+ max purple gray
brick red sh.

dol; tan / crm; f-x-l; snc; scatt; s
fr sh; sfo; odor

dol; aa; fr. scatt; snc; sfo;
fr. odor

aa; scatt; s; brown sh; scatt
sfo; odor fr. gray / dse-dol.

dol; tan / crm; f-med x l;
scatt; vuggy / pp; brown sh
sfo; odor fr. gray wh.
dol / page A

dol; gray / crm; f-x-l; vuggy /
sub oolite; fr. wh; ool A

dol; aa / gray - wh; f-x-l; snc
few Δ; fr. s + wh / gray bony
A

aa; inc sandy
+ wh Δ s, wh chnk

DSE#1 3622-2690
30-30-30-30
Blow, weak (died
23 mins)
2nd opening - no
blow

rec; 10' slightly oil
cut mud
(5900 lb; 9590 mud)

pressures: Isip 375 psi
fsip 395
lfp 18-21
ffp 22-21
1634
- 1569 psi

DSE#2

LOG-TECH OF KANSAS, INC.

P.O. BOX 885
GREAT BEND, KANSAS 67530
(620) 792-2167

INVOICE

7811

Date 1-31-2014

CHARGE TO: K&N Petroleum, Inc.
 ADDRESS _____
 R/A SOURCE NO. _____ CUSTOMER ORDER NO. _____
 LEASE AND WELL NO. Brown "C" #1-13 FIELD Chase - Silica
 NEAREST TOWN Chase COUNTY Rice STATE KS
 SPOT LOCATION NW-NE-SE-NW SEC. 13 TWP. 19s RANGE 10W
 ZERO 10' AGL CASING SIZE 5 1/2 WEIGHT _____
 CUSTOMER'S T.D. 3367' LOG TECH #53 FLUID LEVEL Full
 ENGINEER Lance Gregg OPERATOR J. Welcher

PERFORATING					
Description	No. Shots	Depth		Amount	
		From	To		
<u>Titan (4000-3277)</u>	<u>24</u>	<u>3294</u>	<u>3300</u>	<u>2170</u>	<u>00</u>

DEPTH AND OPERATIONS CHARGES							
Description	From	Depth		Total No. Ft.	Price Per Ft.	Amount	
			To				
<u>Run GR/CL/CBL</u>		<u>0</u>	<u>3367</u>	<u>3367</u>	<u>.31</u>	<u>1043</u>	<u>77</u>
<u>" " "</u>		<u>3367</u>		<u>11.7</u>	<u>.29</u>	<u>580</u>	<u>00</u>

MISCELLANEOUS			
Description	Quantity	Amount	
<u>Service Charge</u>	<u>1</u>	<u>550</u>	<u>00</u>

PRICES SUBJECT TO CORRECTION BY BILLING DEPARTMENT

RECEIVED THE ABOVE SERVICES ACCORDING TO THE TERMS AND CONDITIONS SPECIFIED ON THE REVERSE SIDE TO WHICH WE HEREBY AGREE.

Sub Total		<u>4303</u>	<u>77</u>
Code Ref. Tool Insurance			
..... Tax			
		<u>3443</u>	<u>00</u>

Customer Signature _____ Date _____

