



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1195775
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: _____

1195775

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No 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: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____					
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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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ALLIED OIL & GAS SERVICES, LLC 055165

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Russell Ks

DATE <u>3.17.14</u>	SEC. <u>36</u>	TWP. <u>7</u>	RANGE <u>20</u>	CALLED OUT	ON LOCATION	JOB START <u>8:30</u>	JOB FINISH <u>9:00</u>
LEASE <u>NIPPP</u>	WELL # <u>SW #2</u>	LOCATION <u>Stockton, Ks</u>	COUNTY <u>Rocks</u>	STATE <u>KS</u>			
OLD OR (NEW) (Circle one)			<u>w to rd to 13/4 e into</u>				

CONTRACTOR WW # 6 OWNER _____

TYPE OF JOB FTA

HOLE SIZE 2 7/8 T.D. _____

CASING SIZE _____ DEPTH _____

TUBING SIZE 4 1/2 DEPTH _____

DRILL PIPE 4 1/2 DEPTH 1475'

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

CEMENT AMOUNT ORDERED 240 sk

60/40 + 41.9 gal + 4/4 Flo-Seal

COMMON	<u>240 sk</u>	@ <u>153</u>	<u>\$3672.00</u>
POZMIX		@	
GEL		@	
CHLORIDE		@	
ASC		@	
	<u>4/4 Flo-Seal @ #50</u>	@ <u>2.97</u>	<u>\$148.50</u>
HANDLING	<u>240 #3</u>	@ <u>2.48</u>	<u>\$595.20</u>
MILEAGE	<u>384 T/m</u>	<u>2.60</u>	<u>\$998.40</u>
			TOTAL <u>\$5414.10</u>

EQUIPMENT

PUMP TRUCK CEMENTER Andy P

417 HELPER Nathan D

BULK TRUCK DRIVER Kevin R

473

BULK TRUCK DRIVER _____

REMARKS:

See Cementing Job Log

SERVICE

DEPTH OF JOB	<u>1475'</u>		
PUMP TRUCK CHARGE			<u>\$2249.84</u>
EXTRA FOOTAGE	@		
MILEAGE <u>Heavy Sum</u>	@ <u>7.70</u>		<u>\$616.50</u>
MANIFOLD <u>Light 40m</u>	@ <u>4.70</u>		<u>\$176.00</u>
			<u>3041.84</u>
			TOTAL <u>7265.84</u>

CHARGE TO: Brinker Enterprises

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
			TOTAL <u>-0-</u>

To: Allied Oil & Gas Services, 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.

SALES TAX (If Any) _____

TOTAL CHARGES \$ 8,455.94

DISCOUNT 845.59 IF PAID IN 30 DAYS

PRINTED NAME Mark Base

SIGNATURE Mark Base

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 7747

Date	Sec.	Twp.	Range	County	State	On Location	Finish
3-11-14	36	7	20	Rooks	KS		4:15 p.m.
				Location Webster + Hwy 24 SW Rd 6 3/4 S Einto			
Lease Knipp SW		Well No. 2		Owner			
Contractor WW#6		To Quality Oilwell Cementing, Inc.				You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Type Job Conductor		Charge To				Binker Enterprises	
Hole Size 17 1/2	T.D. 50						
Csg. 13 3/8	Depth 50		Street				
Tbg. Size	Depth		City State				
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg. 15'	Shoe Joint		Cement Amount Ordered 80 com 3 1/2 CC 2 1/2 GR				
Meas Line		Displace 5 1/2 BCL					
EQUIPMENT				Common 80			
Pumptrk 18 No.	Cementer		Poz. Mix				
	Helper		Gel. 2				
Bulktrk No.	Driver		Calcium 80 3				
	Driver						
Bulktrk 12 No.	Driver						
	Driver						
JOB SERVICES & REMARKS				Hulls			
Remarks:				Salt			
Rat Hole				Flowseal			
Mouse Hole				Kol-Seal			
Centralizers				Mud CLR 48			
Baskets				CFL-117 or CD110 CAF 38			
D/V or Port Collar				Sand			
13 3/8 on bottom Est Circulation Mix				Handling 85			
80 SIC + Displace				Mileage			
Cement Circulator				FLOAT EQUIPMENT			
				Guide Shoe			
				Centralizer			
				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				Pumptrk Charge Conductor Surface			
				Mileage 58			
				Tax			
				Discount			
X Signature Maul Rogge				Total Charge			

APP. # 15-163-24179-0000

GEOLOGICAL REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY Brinker Enterprises, LLC
 LEASE Kripp SW #2
 FIELD Wildcat
 LOCATION 2310'FSK+620'EWL
 SEC 36 TWP 7S RGE 20W
 COUNTY Boaks STATE Kansas
 CONTRACTOR WWD Drilling Rig #6
 SPUD 3-11-14 COMP 3-17-14
 SAMPLES SAVED FROM 2880' TO R.T.D.

ELEVATION
 KB 1934
 DF 1932
 GL 1929
 Depths Measured From Log KB Drilling KB

CASING
 Surface 13 3/8" @ 50'
 Production None


ELECTRIC LOGS
Nabors

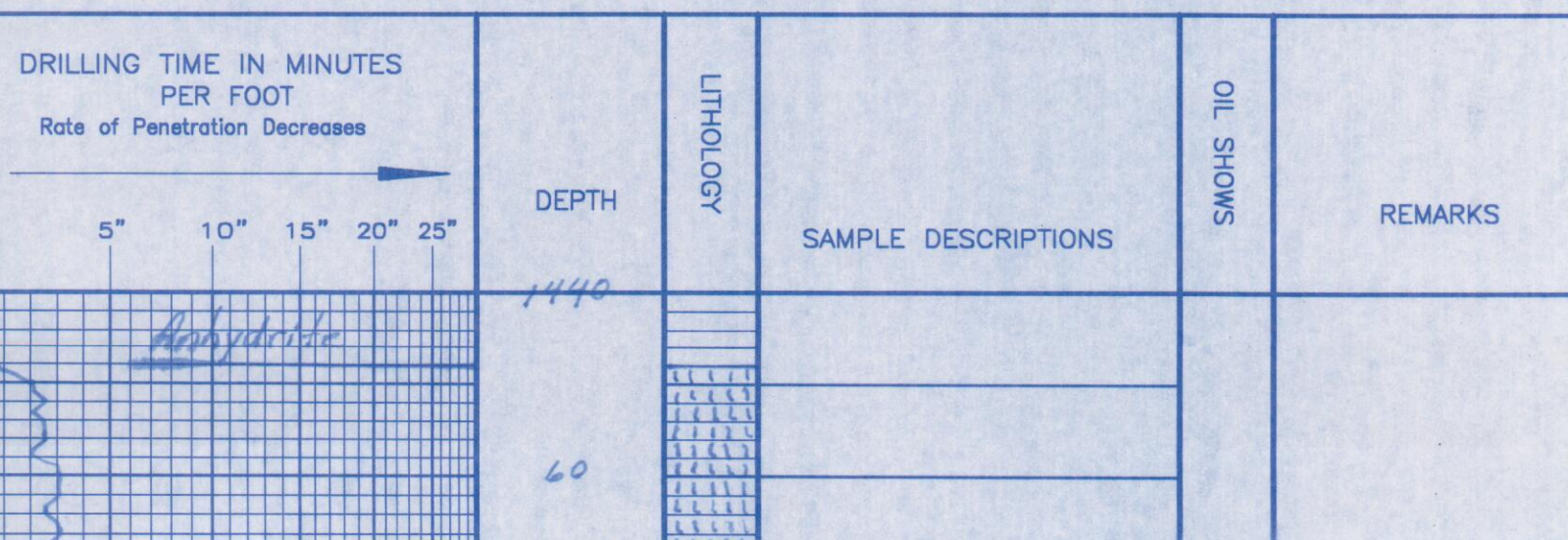
FORMATION	SAMPLE	E. LOG	DATUM Log	FORMATION TOPS AND STRUCTURAL POSITION			
				A	B	C	D
Anhydrite	1448	1447	+ 487	+ 484			
Base Anhydrite	1485	1483	+ 451	+ 450			
Topoka	2902	2900	- 966	- 972			
Hebner	3107	3105	- 1171	- 1178			
Taronta	3129	3127	- 1193	- 1200			
Lansing	3146	3144	- 1210	- 1217			
Base Kansas City	3355	3353	- 1419	- 1425			
Marmaton	3389	3387	- 1453	- 1460			
Arbuckle		Not Reached		- 1497			
Total Depth	3455	3454	- 1520	- 1620			

REFERENCE WELLS
 A Brinker Enterprises, LLC, Kripp SW #36-1, 1943'FSK+1628'EWL
 B SEC. 36-75-20W
 C

REMARKS
 This well ran 7 feet higher on the Lansing top than the reference well. After review of all pertinent information it was decided this well should be plugged and abandoned.
 Richard B. Bell
 3-17-14

LEGEND

-  Anhydrite
-  Salt
-  Sandstone
-  Shale
-  Carb sh
-  Limestone
-  Ool. Lime
-  Chert
-  Dolomite



-conn

Base Anhydrite

80

2800

20

-conn

40

sh: gry slty
LS: tn-gry fslf dns

-conn

60

LS: tn-gry fslf dns
sh: gry slty
LS: tn-gry fslf dns

80

sh: gry + yell slty

-conn

2900

LS: tn-gry fslf dns

sh: gry + brn

Topoka

LS: wh-tn-gry sli. cky. fslf
dns N.S.O.

LS: a.a. dns.

-conn

20

LS: wh-tn v. cky. fxl n Tr
PP Φ friable N.S.O.

40

LS: tn-gry fslf dns

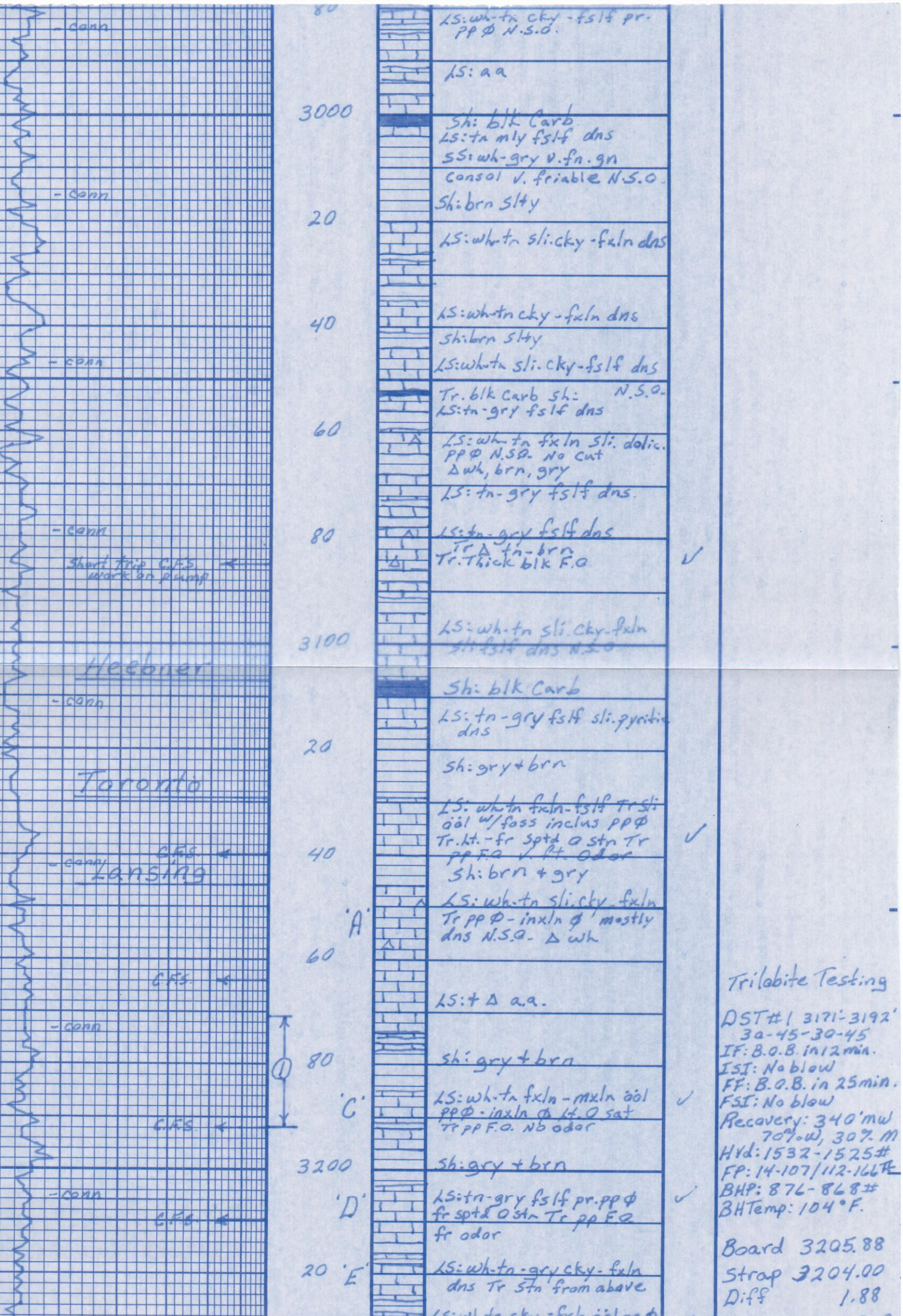
LS: a.a.

-conn

60

sh: gry + brn
LS: wh-tn sli. cky. fxl n
Tr. sli. Φ w/ foss inclus.
Tr PP Φ N.S.O.

LS: wh-tn cky. suc. fxl n
PP Φ - incls Φ N.S.O.



LS: wh-tn cky-fs lf pr.
ppφ N.S.O.

LS: a a

Sh: blk Carb.
LS: tn mly fs lf dns
SS: wh-gry v. fn. gn
consol v. friable N.S.O.
Sh: brn slty

LS: wh-tn sli.cky-fxln dns

LS: wh-tn cky-fxln dns
Sh: brn slty

LS: wh-tn sli.cky-fs lf dns

Tr. blk Carb sh: N.S.O.
LS: tn-gry fs lf dns

LS: wh-tn fxln sli. dotic.
ppφ N.S.O. No cut
Δ wh, brn, gry
LS: tn-gry fs lf dns.

LS: tn-gry fs lf dns
Tr Δ tn-brn
Tr. Thick blk F.O.

LS: wh-tn sli.cky-fxln
slty fs lf dns N.S.O.

Sh: blk Carb
LS: tn-gry fs lf sli. pyritic
dns

Sh: gry + brn

LS: wh-tn fxln-fs lf Tr sli
ool w/ foss inclus ppφ
Tr. ht.-fr sptd o strn Tr
pp F.O. v. Pt. odor
Sh: brn + gry

LS: wh-tn sli.cky-fxln
Tr ppφ-inxln φ mostly
dns N.S.O. Δ wh

LS: + Δ a.a.

Sh: gry + brn

LS: wh-tn fxln-mxln ool
ppφ-inxln φ lt. O sat
Tr pp F.O. No odor

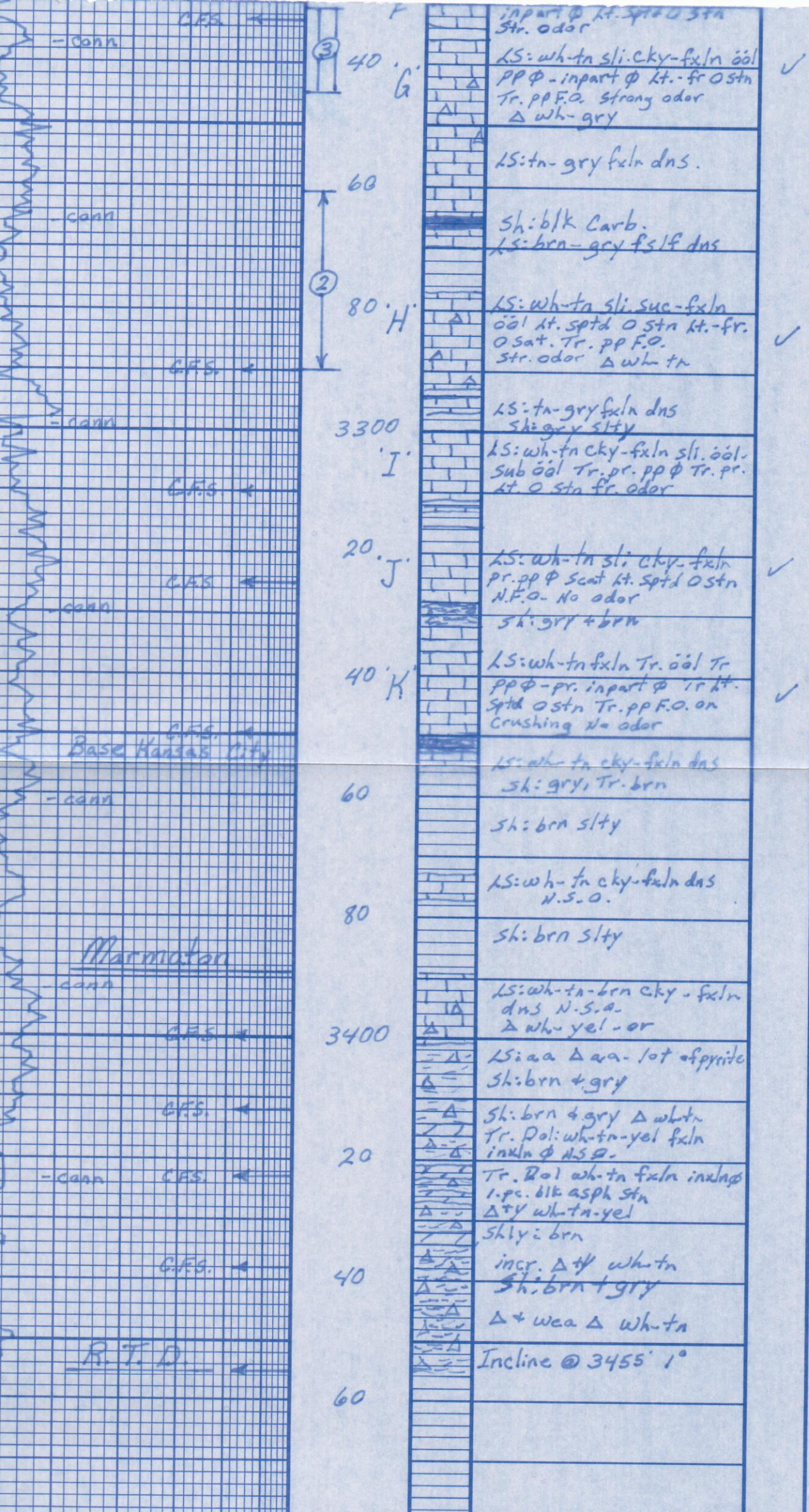
Sh: gry + brn

LS: tn-gry fs lf pr. ppφ
fr sptd o strn Tr pp F.O.
fr odor

LS: wh-tn-gry cky-fxln
dns Tr strn from above
LS: wh-tn cky-fxln ool

Trilobite Testing
DST#1 3171-3192
30-45-30-45
IF: B.O.B. in 12 min.
ISI: No blow
FF: B.O.B. in 25 min.
FSI: No blow
Recovery: 340' mw
70% w, 30% m
Hvd: 1532-1525#
FP: 14-107/112-166#
BHP: 876-868#
BH Temp: 104°F.

Board 3205.88
Strap 3204.00
Diff 1.88



DST # 2 3261-3290
45-45-45-45
IF: wk blow incr. to 6 1/4"
ISI: No blow
FF: wk blow incr. to 3"
FSI: No blow
Recovery: 165' Total
120' WM 30% W, 70% M
45' MW 90% W, 10% M
Hyd: 1577-1566 #
FP: 9-65/78-88 #
BHP: 1045-982 #
BH Temp: 104° F.
Chlorides: 28,000 ppm

Straddle Test
DST # 3 3231-3245
30-45-30-45
IF: B.O.B. in 11 min.
ISI: No blow
FF: B.O.B. in 13 min.
FSI: No blow
Recovery: 479' MW
90% W, 10% M
Hyd: 1592-1534 #
FP: 15-141/139-217 #
BHP: 735 734 #
BH Temp: 100° F.



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Brinker Enterprises, LLC

36-07s-20w Rooks, KS

216 S Marshall St.
Glen Elder, KS 67446

Knipp SW #2

Job Ticket: 57501

DST#: 1

ATTN: Richard Bell

Test Start: 2014.03.14 @ 20:20:00

GENERAL INFORMATION:

Formation: **LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:15:30

Time Test Ended: 02:21:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Cody Bloedorn/Philli

Unit No: 73

Interval: 3171.00 ft (KB) To 3192.00 ft (KB) (TVD)

Reference Elevations: 1934.00 ft (KB)

Total Depth: 3192.00 ft (KB) (TVD)

1929.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6799

Inside

Press@RunDepth: 166.89 psig @ 3172.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.14

End Date:

2014.03.15

Last Calib.:

2014.03.15

Start Time: 20:20:05

End Time:

02:20:59

Time On Btm:

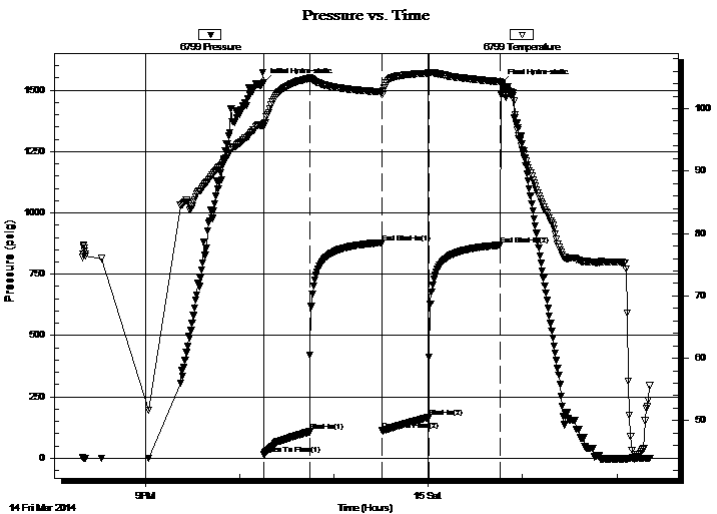
2014.03.14 @ 22:15:15

Time Off Btm:

2014.03.15 @ 00:46:30

TEST COMMENT: 30 - IF-B.O.B. in 12 minutes
45 - ISI-No Return
30 - FF- B.O.B. in 25 minutes
45 - FSI- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1532.60	97.58	Initial Hydro-static
1	14.10	97.19	Open To Flow (1)
30	107.85	104.81	Shut-In(1)
76	876.94	102.67	End Shut-In(1)
76	112.77	102.20	Open To Flow (2)
105	166.89	105.69	Shut-In(2)
151	868.76	104.29	End Shut-In(2)
152	1525.72	103.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
340.00	MW, 30%M, 70%W	3.68

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Brinker Enterprises, LLC

36-07s-20w Rooks, KS

216 S Marshall St.
Glen Elder, KS 67446

Knipp SW #2

Job Ticket: 57501

DST#: 1

ATTN: Richard Bell

Test Start: 2014.03.14 @ 20:20:00

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:

1400 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
340.00	MW, 30%M, 70%W	3.676

Total Length: 340.00 ft Total Volume: 3.676 bbl

Num Fluid Samples: 0

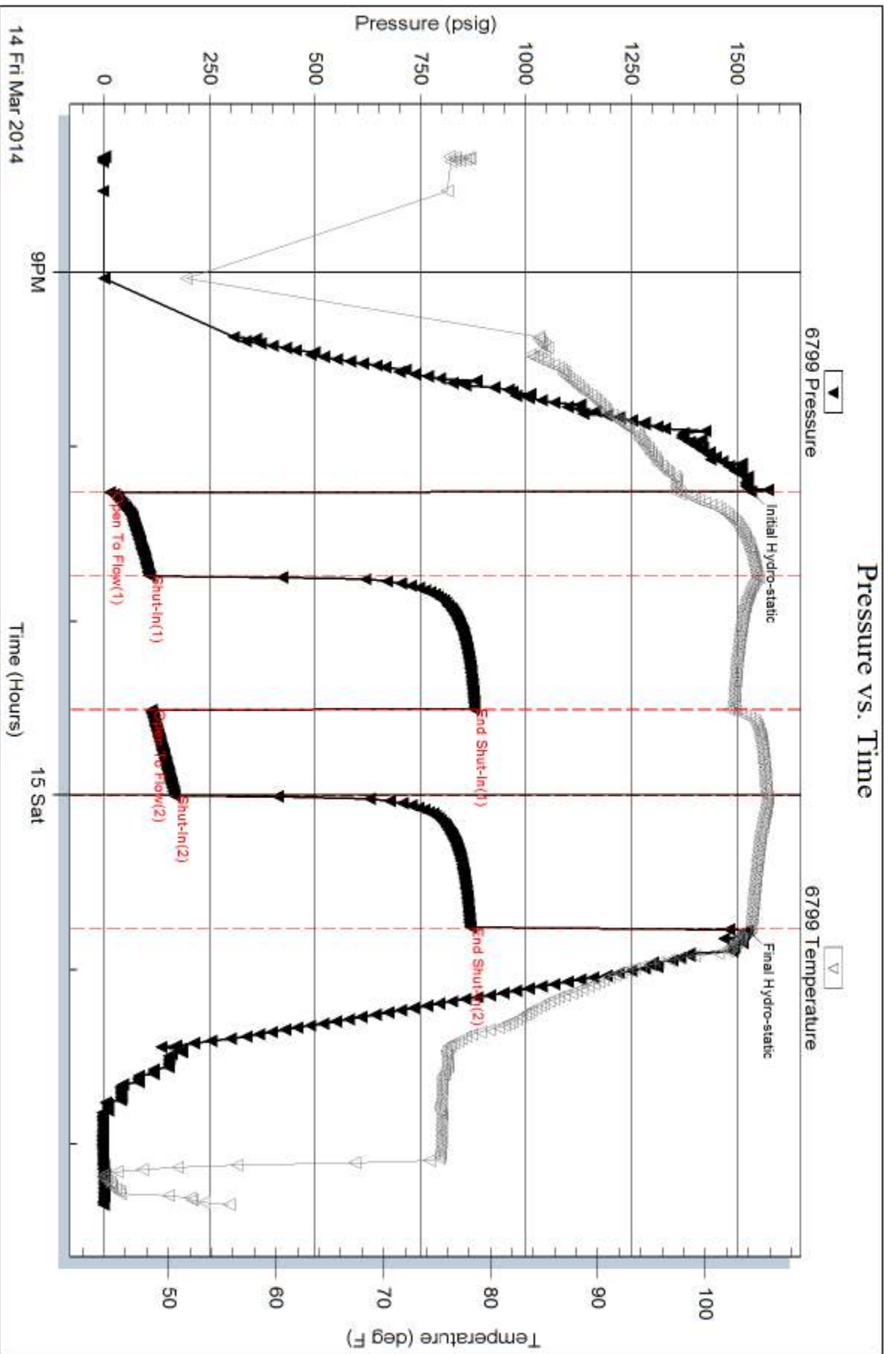
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Salinity: 6.2 @ 48 Degrees = 1400





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Brinker Enterprises, LLC

36-07s-20w Rooks, KS

216 S Marshall St.
Glen Elder, KS 67446

Knipp SW #2

Job Ticket: 57502

DST#: 2

ATTN: Richard Bell

Test Start: 2014.03.15 @ 12:40:00

GENERAL INFORMATION:

Formation: **LKC 'H'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:17:15

Time Test Ended: 19:08:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn/Philli

Unit No: 73

Interval: 3261.00 ft (KB) To 3290.00 ft (KB) (TVD)

Total Depth: 3290.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1934.00 ft (KB)

1929.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6799

Inside

Press@RunDepth: 88.06 psig @ 3262.00 ft (KB)

Start Date: 2014.03.15

End Date:

2014.03.15

Start Time: 12:40:05

End Time:

19:08:29

Capacity: 8000.00 psig

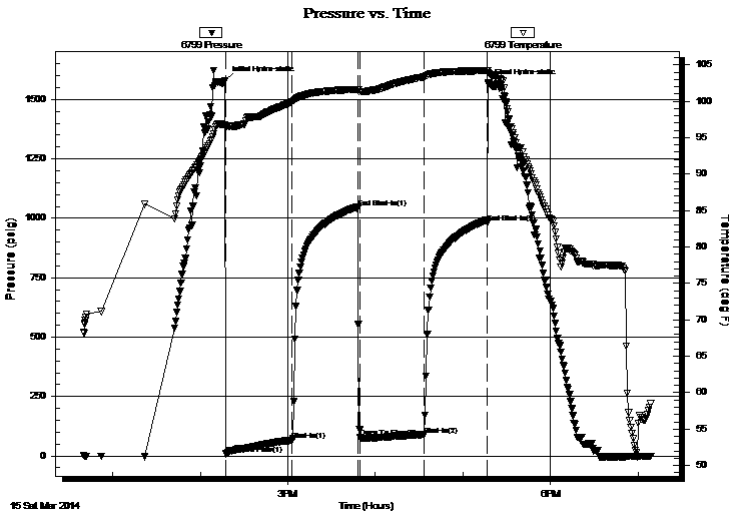
Last Calib.: 2014.03.15

Time On Btm: 2014.03.15 @ 14:17:00

Time Off Btm: 2014.03.15 @ 17:17:15

TEST COMMENT: 45 - IF- 6 1/4" blow
45 - IS- No blow back
45 - FF- 3" blow
45 - FS- No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1577.73	96.79	Initial Hydro-static
1	9.13	96.39	Open To Flow (1)
46	65.46	99.93	Shut-In(1)
91	1045.50	101.62	End Shut-In(1)
93	78.64	101.31	Open To Flow (2)
137	88.06	103.34	Shut-In(2)
180	982.57	104.22	End Shut-In(2)
181	1566.10	103.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MW 30%W 70%M	0.59
45.00	MW 90%W 10M	0.63

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Brinker Enterprises, LLC

36-07s-20w Rooks, KS

216 S Marshall St.
Glen Elder, KS 67446

Knipp SW #2

Job Ticket: 57502

DST#: 2

ATTN: Richard Bell

Test Start: 2014.03.15 @ 12:40:00

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:

28000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	MW 30%W 70%M	0.590
45.00	MW 90%W 10M	0.631

Total Length: 165.00 ft Total Volume: 1.221 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Salinity : 3.0 at 60 degrees=28000

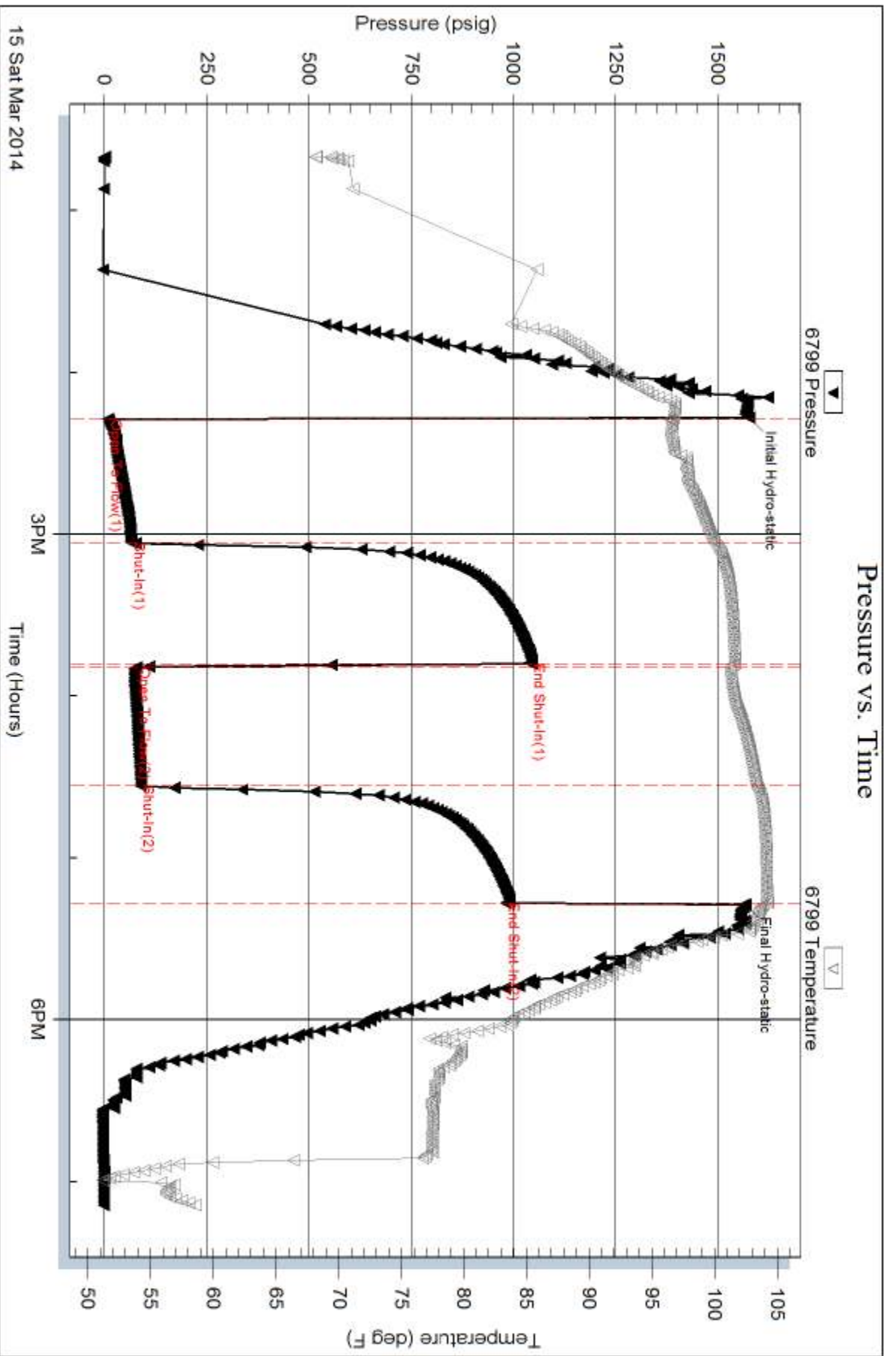
Serial #: 6799

Inside

Brinker Enterprises, LLC

Knipp SW #2

DST Test Number: 2





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Brinker Enterprises, LLC

36-07s-20w Rooks, KS

216 S Marshall St.
Glen Elder, KS 67446

Knipp SW #2

Job Ticket: 57503

DST#: 3

ATTN: Richard Bell

Test Start: 2014.03.16 @ 19:09:00

GENERAL INFORMATION:

Formation: **LKC "G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:01:30

Time Test Ended: 01:29:45

Test Type: Conventional Straddle (Reset)

Tester: Cody Bloedorn/Philli

Unit No: 73

Interval: 3231.00 ft (KB) To 3245.00 ft (KB) (TVD)

Reference Elevations: 1934.00 ft (KB)

Total Depth: 3454.00 ft (KB) (TVD)

1929.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8655 Outside

Press @ Run Depth: 217.38 psig @ 3231.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.16

End Date:

2014.03.17

Last Calib.:

2014.03.17

Start Time:

19:09:05

End Time:

01:29:44

Time On Btm:

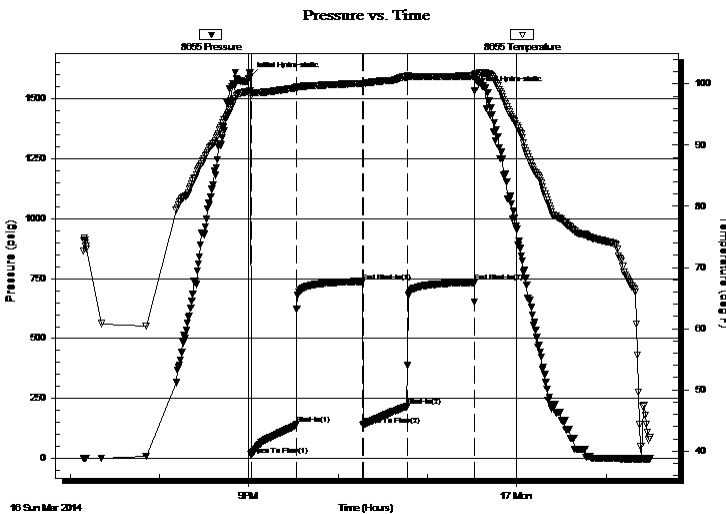
2014.03.16 @ 21:01:15

Time Off Btm:

2014.03.16 @ 23:31:45

TEST COMMENT: 30 - IF- B.O.B. in 11 minutes
45 - IS- No return
30 - FF-B.O.B in 13 minutes
45 - FS- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1592.71	98.93	Initial Hydro-static
1	15.50	98.04	Open To Flow (1)
31	141.41	99.38	Shut-In(1)
76	735.67	100.12	End Shut-In(1)
76	139.99	99.87	Open To Flow (2)
105	217.38	101.20	Shut-In(2)
150	734.55	101.31	End Shut-In(2)
151	1534.16	101.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
479.00	MW 10% m 90% w	5.63

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Brinker Enterprises, LLC

36-07s-20w Rooks, KS

216 S Marshall St.
Glen Elder, KS 67446

Knipp SW #2

Job Ticket: 57503

DST#: 3

ATTN: Richard Bell

Test Start: 2014.03.16 @ 19:09:00

GENERAL INFORMATION:

Formation: **LKC "G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:01:30

Time Test Ended: 01:29:45

Test Type: Conventional Straddle (Reset)

Tester: Cody Bloedorn/Philli

Unit No: 73

Interval: 3231.00 ft (KB) To 3245.00 ft (KB) (TVD)

Reference Elevations: 1934.00 ft (KB)

Total Depth: 3454.00 ft (KB) (TVD)

1929.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8875 Below (Straddle)

Press@RunDepth: psig @ 3454.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.16 End Date: 2014.03.17

Last Calib.: 1899.12.30

Start Time: 19:09:05 End Time: 01:30:44

Time On Btm:

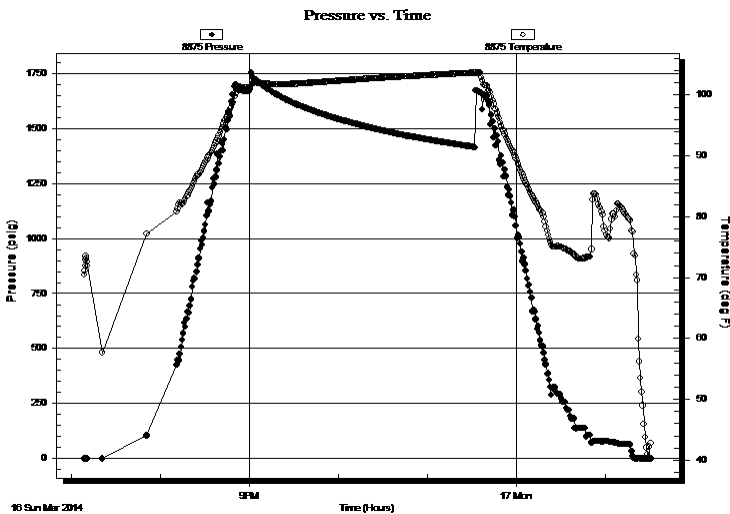
Time Off Btm:

TEST COMMENT: 30 - IF- B.O.B. in 11 minutes

45 - IS- No return

30 - FF-B.O.B in 13 minutes

45 - FS- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
479.00	MW 10% m 90% w	5.63

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Brinker Enterprises, LLC

36-07s-20w Rooks, KS

216 S Marshall St.
Glen Elder, KS 67446

Knipp SW #2

Job Ticket: 57503

DST#: 3

ATTN: Richard Bell

Test Start: 2014.03.16 @ 19:09:00

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:

1900 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
479.00	MW 10% m 90% w	5.626

Total Length: 479.00 ft Total Volume: 5.626 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Salinity : 6 at 36 degrees = 1900

