



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1075398  
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: \_\_\_\_\_

1075398

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> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Brito Oil Company, Inc.
Well Name	Boyd-Ward 1-6
Doc ID	1075398

Tops

Name	Top	Datum
Anhy	2584	+481
B/Anhy	2607	+458
Heebner	4008	-943
Lansing	4044	-979
Stark	4268	-1203
BKC	4337	-1272
Marmaton	4374	-1309
Fort Scott	4524	-1459
Chero	4551	-1486
Miss	4644	-1579

# ALLIED CEMENTING CO., LLC. 034589

Federal Tax I.D.# 20-5975804

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

SERVICE POINT  
Oakley, Ks.

DATE <u>2-17-12</u>	SEC. <u>6</u>	TWP. <u>12</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION <u>8:30 Am</u>	JOB START <u>11:00 Am</u>	JOB FINISH <u>12:00 Am</u>
LEASE <u>Boyd (land)</u>	WELL# <u>1-6</u>	LOCATION <u>Oakley 55 - 3 3/4 W - 5 into</u>			COUNTY <u>Logan</u>	STATE <u>Ks.</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Mucfin #2

TYPE OF JOB PTA

HOLE SIZE 7 7/8 TD. 4750

CASING SIZE DEPTH

TUBING SIZE DEPTH

DRILL PIPE 4 1/2 DEPTH 2600

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT 33.42

EQUIPMENT

PUMP TRUCK CEMENTER LaRene

# 431 HELPER Darren - Dance

BULK TRUCK

# 347 DRIVER Steve

BULK TRUCK

# DRIVER

OWNER Same

CEMENT

AMOUNT ORDERED 220 SKS 6 1/4 4% Gel

1/4" Flo Seal

COMMON 130 SKS @ \$16.25 \$2112.50

POZMIX 90 SKS @ \$8.50 \$765.00

GEL 8 SKS @ \$21.25 \$170.00

CHLORIDE @

ASC @

Flo Seal 25 lbs @ \$2.70 \$148.50

HANDLING 230 @ \$2.25 \$517.50

MILEAGE 11 @ Per mile \$253.00

TOTAL 3966.00

REMARKS:

mix 25 sks Cement 2600 ft

mix 100 sks Cement 1200 ft

mix 40 sks Cement 275 ft

Mix 10 sks Cement 40 ft

Plug m # 15 sks

Plug RH 30 sks

*Thank You*

CHARGE TO: Brito Oil Co.

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB 2600 ~~\$2050.00~~

PUMP TRUCK CHARGE \$1250.00

EXTRA FOOTAGE @

MILEAGE 10 @ \$7.00 \$70.00

MANIFOLD @

LV mileage @ \$4.00 \$40.00

TOTAL \$1360.00

PLUG & FLOAT EQUIPMENT

1 Top Wooden Plug \$92.00

@

@

@

@

TOTAL \$92.00

To Allied Cementing Co., LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME

SIGNATURE 

# ALLIED CEMENTING CO., LLC. 034580

Federal Tax I.D.# 20-5975804

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

SERVICE POINT  
Oakley, KS

DATE <u>2-8-12</u>	SEC. <u>6</u>	TWP. <u>12</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION <u>9:00 PM</u>	JOB START <u>10:00 PM</u>	JOB FINISH <u>10:30 PM</u>
LEASE <u>Boyd-ahed</u>		WELL # <u>1-6</u>	LOCATION <u>Oakley 55-3 3/4 W-S into</u>		COUNTY <u>Logan</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Murfin #2

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 224

CASING SIZE 8 5/8 DEPTH 224

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15 ft

PERFS.

DISPLACEMENT 13.31

OWNER Same

CEMENT AMOUNT ORDERED 150 Com 3% CC  
2% Gel

COMMON	<u>150 SKs</u>	@ <u>\$16.25</u>	<u>\$2437.50</u>
POZMIX		@	
GEL	<u>3 SKs</u>	@ <u>\$21.25</u>	<u>\$63.75</u>
CHLORIDE	<u>5 SKs</u>	@ <u>\$58.20</u>	<u>\$291.00</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>158 SKs</u>	@ <u>2.25</u>	<u>\$355.50</u>
MILEAGE	<u>11¢ Per mile</u>		<u>\$173.90</u>
TOTAL			<u>\$3321.55</u>

REMARKS:

Mix 150 SKs Down Casing  
Displace with Water Cement  
Did Circulate

Thank You

CHARGE TO: Brito Oil Co.

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE

DEPTH OF JOB	<u>224</u>		<del>224</del>
PUMP TRUCK CHARGE			<u>\$1125.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>10</u>	@ <u>\$7.00</u>	<u>\$70.00</u>
MANIFOLD	<u>Swedge</u>	@	<u>\$325.00</u>
	<u>LV Mileage</u>	@ <u>\$4.00</u>	<u>\$40.00</u>
		@	
TOTAL			<u>\$1560.00</u>

PLUG & FLOAT EQUIPMENT

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

	@	
	@	
	@	
	@	
	@	

# M. Bradford Rine

## Consulting Geologist, Licensed and Certified

Scale 1:240 (5"=100') Imperial  
Measured Depth Log

Well Name: BOYD-WARD #1-6  
Location: SW-NW-NW-NE, Section 06-T12S-R32W  
License Number: API: 15-109-21069-0000  
Spud Date: February 08, 2012  
Surface Coordinates: 600' FNL & 2450' FEL  
of Section  
Bottom Hole Vertical Well  
Coordinates: Wildcat  
Ground Elevation (ft): 3054 Ft. K.B. Elevation (ft): 3065 Ft.  
Logged Interval (ft): 3700 Ft. To: 4750 Ft. Total Depth (ft): 4750 Ft.  
Formation: Mississippi  
Type of Drilling Fluid: Chemical

Region: Logan County, Kansas  
Drilling Completed: February 17, 2012

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://www.WellSight.com)

### Operator

Company: BRITO OIL COMPANY, INC.  
Address: 1700 North Waterfront PKWY  
Wichita, Kansas 67206

### Geologist

Name: M. Bradford Rine  
Company: Consulting Geologist, Kansas Lic. #204, Wyo #189, AAPG Cert. #2647  
Address: 100 South Main, Suite #415  
Wichita, Kansas 67202

### Remarks

Based on sample observations, drill stem test results, and electric log evaluation, it was the decision of the Operator, to .....

### Drilling Information

Rig: Murfin Drilling Co. Inc. Rig #2  
Pump: Emsco D-375 6x14  
Drawworks: Ideco H-35  
Toolpusher: Jorge Tinoco

Mud: Mudco (Reid Atkins)  
Gas Detector: None  
Drill Stem Tests: Trilobite (Shane McBride)  
Logs: Log Tech (  
Water:

Company Representatives:  
Office: Raul Brito  
Field: None

### Daily Drilling Status

Date:	Operations/Depth/Comments
02-07-12	MIRT
02-08-12	Finish MIRT, RU, Spud @ 0'
02-09-12	Drilling @ 229'
02-10-12	Drilling @ 2510'
02-11-12	Drilling @ 3690'
02-12-12	CFS @ 4137', Prep for DST #1.
02-13-12	CFS @ 4243'
02-14-12	TOOH for DST #3 @ 4295'
02-15-12	Drilling @ 4490'
02-16-12	TBIH after DST #4 @ 4630', RTD @ 4:00 PM

### Casing Record, Bit Record, Deviation Surveys

#### CASING:

Conductor: None

Surface: Drilled 224 ft. Ran 5 jts, 8-7/8"-23#, set @ 224'. (Allied) cement with 165 sx comm, 3% CC-2% gel. Plug down 10:30 PM, February 08, 2012. Cement did circulate.

Production:

#### BITS:

No.	Size	Make	Model	Depth In	Depth Out	Hours
1	12/1/4	HTC	AH 7811	0'	224'	2
2	77/8	HTC	DP506F	224'	3662'	38-1/4
3	77/8	HTC	GX225	3662'		

#### DEVIATION SURVEYS:

Deviation:	Depth:	Deviation:	Depth:
1/2*	229'		
3/4*	3662'		
1/4*	4137'		



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Brilo Oil Corp, Inc  
1700N Waterfront PKWY  
BLDG #300 Suite C  
Wichita, Ks 67206  
ATTN: Brad Rine

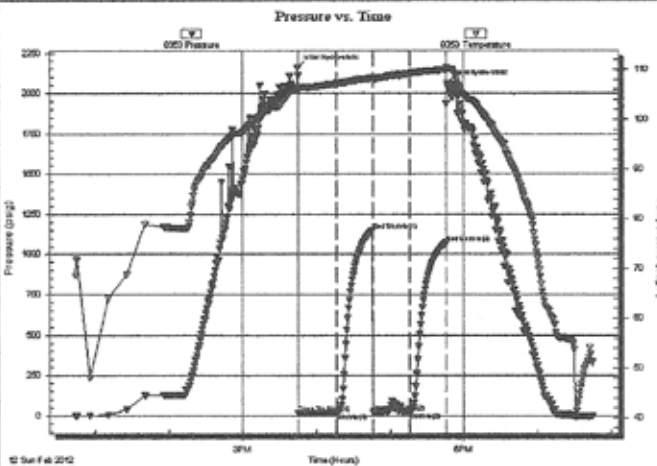
6-12s-33w  
Boyd-Ward #1-6  
Job Ticket: 44952 DST#: 1  
Test Start: 2012.02.12 @ 12:43:34

### GENERAL INFORMATION:

Formation: E  
Deviated: No Whipstock: 0.00 ft (KB)  
Time Tool Opened: 15:45:19  
Time Test Ended: 20:00:04  
Interval: 4114.00 ft (KB) To 4137.00 ft (KB) (TVD)  
Total Depth: 4137.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Shane McBride  
Unit No: 55  
Reference Elevations: 3065.00 ft (KB)  
3056.00 ft (CF)  
KB to GR/CF: 9.00 ft

Serial #: 8353 Outside  
Press@RunDepth: 22.04 psig @ 4115.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2012.02.12 End Date: 2012.02.12 Last Calib.: 2012.02.12  
Start Time: 12:43:34 End Time: 19:45:04 Time On Btm: 2012.02.12 @ 15:44:34  
Time Off Btm: 2012.02.12 @ 17:46:04

TEST COMMENT: 1/4" in blow died in 16 min  
No return  
No blow  
No return



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2158.61	106.00	Initial Hydro-static
1	13.34	105.96	Open To Flow (1)
32	17.91	107.19	Shut-In(1)
62	1148.54	108.35	End Shut-In(1)
62	19.27	108.20	Open To Flow (2)
92	22.04	109.32	Shut-In(2)
121	1072.31	110.05	End Shut-In(2)
122	2063.77	110.38	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100% m / oil spots	0.02

### Gas Rates

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





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Brito Oil Comp, Inc  
1700N Waterfront PKWY  
BLDG #300 Suite C  
Wichita, Ks 67206  
ATTN: Brad Rine

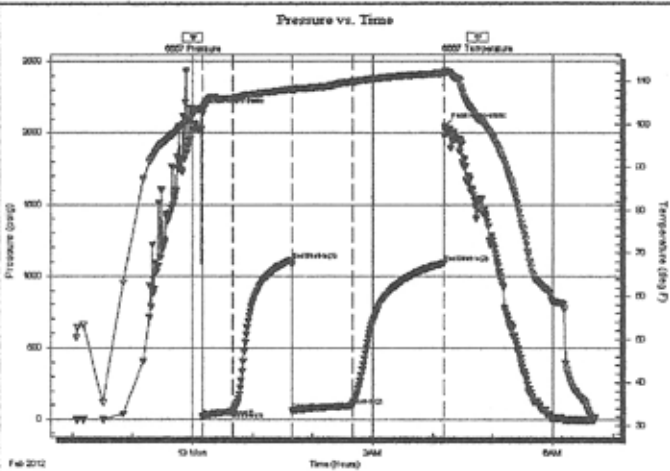
6-12s-33w  
**Boyd-Ward #1-6**  
Job Ticket: 44953      DST#: 2  
Test Start: 2012.02.12 @ 10:03:57

### GENERAL INFORMATION:

Formation: H-I  
Deviated: No Whipstock: 0.00 ft (KB)  
Time Tool Opened: 00:09:57  
Time Test Ended: 19:00:12  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Shane McBride  
Unit No: 55  
Interval: 4180.00 ft (KB) To 4243.00 ft (KB) (TVD)  
Total Depth: 4243.00 ft (KB) (TVD)  
Reference Elevations: 3065.00 ft (KB)  
3056.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
KB to GR/CF: 9.00 ft

**Serial #: 6667**      Inside  
Press@RunDepth: 98.66 psig @ 4181.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2012.02.12      End Date: 2012.02.13      Last Calib.: 2012.02.13  
Start Time: 22:03:57      End Time: 06:42:12      Time On Btm: 2012.02.13 @ 00:09:12  
Time Off Btm: 2012.02.13 @ 04:11:57

**TEST COMMENT:** 2 3/4" in blow  
No return  
3" in blow  
No return



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2146.90	103.47	Initial Hydro-static
1	19.40	103.37	Open To Flow (1)
31	56.95	106.00	Shut-In(1)
90	1113.64	108.00	End Shut-In(1)
91	63.52	107.87	Open To Flow (2)
151	98.66	109.81	Shut-In(2)
242	1091.04	111.85	End Shut-In(2)
243	2045.45	112.35	Final Hydro-static

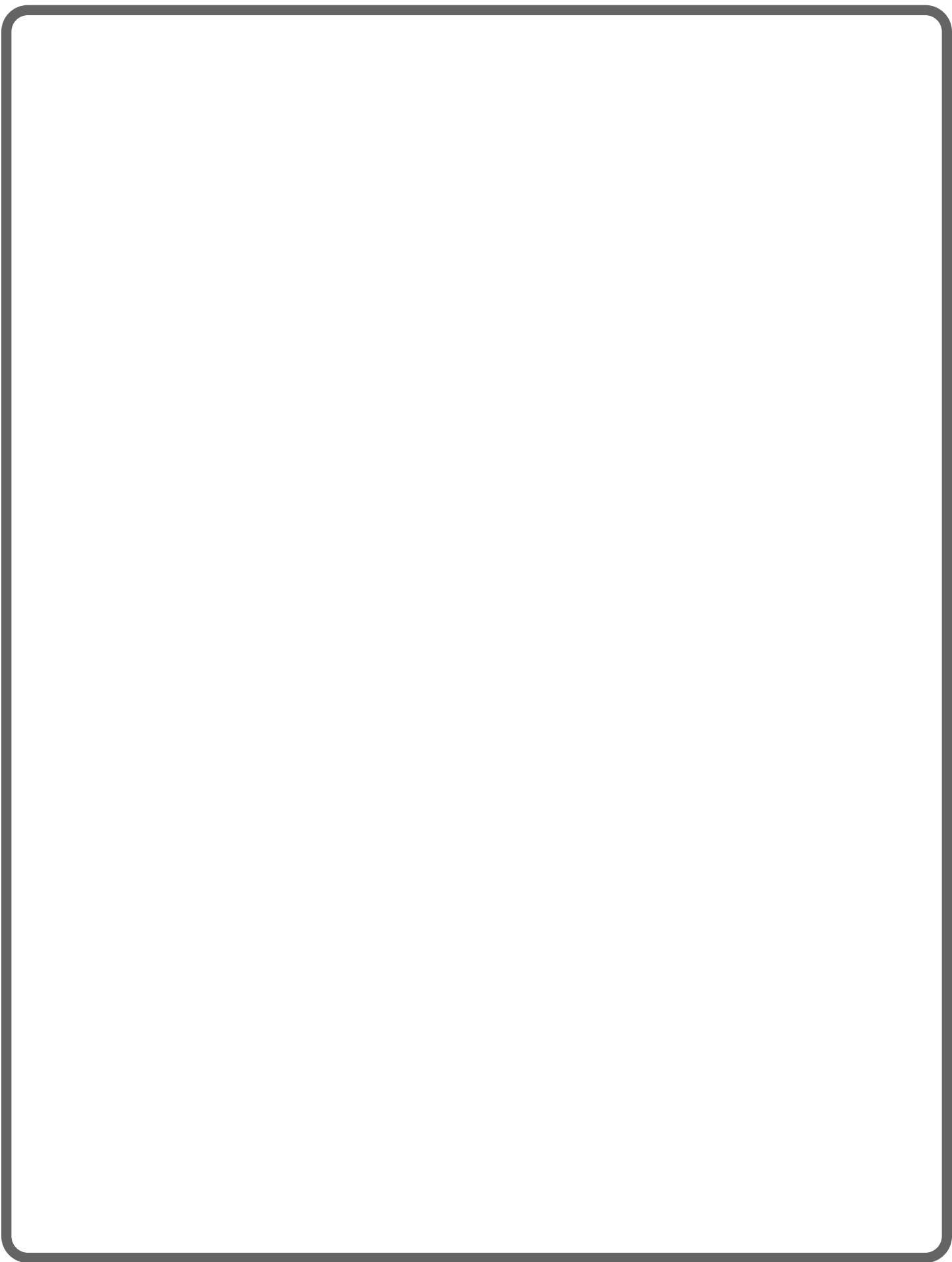
### Recovery

Length (ft)	Description	Volume (bbl)
180.00	o c m 30% o 70% m tr of gas	0.89
0.00	60' weak gas in pipe	0.00

\* Recovery from multiple tests

### Gas Rates

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





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Brilo Oil Comp, Inc  
1700N Waterfront PKWY  
BLDG #300 Suite C  
Wichita, Ks 67206  
ATTN: Brad Rine

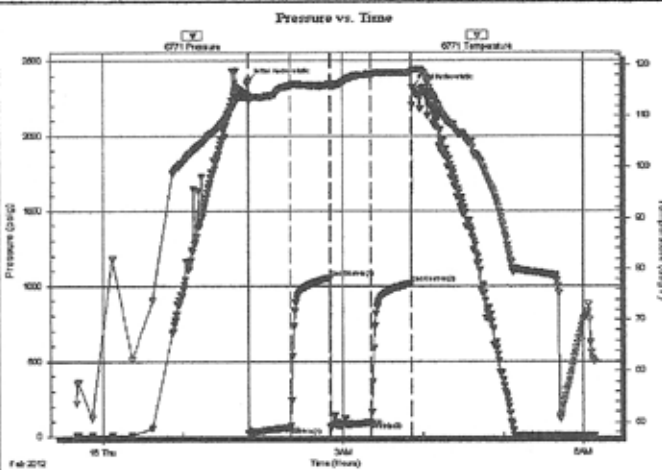
6-12s-33w  
Boyd-Ward #1-6  
Job Ticket: 44955 DST#: 4  
Test Start: 2012.02.15 @ 23:40:35

### GENERAL INFORMATION:

Formation: **Johnson**  
 Deviated: No Whipstock: 0.00 ft (KB)  
 Time Tool Opened: 01:49:20  
 Time Test Ended: 06:25:20  
 Interval: 4565.00 ft (KB) To 4630.00 ft (KB) (TVD)  
 Total Depth: 4630.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Shane McBride  
 Unit No: 55  
 Reference Elevations: 3065.00 ft (KB)  
 3056.00 ft (CF)  
 KB to GR/CF: 9.00 ft

Serial #: 6771 Outside  
 Press@RunDepth: 94.47 psig @ 4566.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.02.15 End Date: 2012.02.16 Last Calib.: 2012.02.16  
 Start Time: 23:40:35 End Time: 06:08:20 Time On Btm: 2012.02.16 @ 01:49:05  
 Time Off Btm: 2012.02.16 @ 03:51:50

TEST COMMENT: 1/2" in died back to 1/4" in  
 No return  
 No blow  
 No return



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2363.79	113.94	Initial Hydro-static
1	19.31	112.95	Open To Flow (1)
32	58.99	115.98	Shut-In(1)
61	1051.72	116.17	End Shut-In(1)
62	64.05	115.89	Open To Flow (2)
92	94.47	118.22	Shut-In(2)
122	1017.21	118.55	End Shut-In(2)
123	2318.78	118.93	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
65.00	mud 100% m	0.32

\* Recovery from multiple tests

### Gas Rates

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

### Rock Types

- Anhy
- Bent
- Brec
- Cht

- Clyst
- Coal
- Congl
- Dol

- Gyp
- Igne
- Lmst
- Meta

- Mrlst
- Salt
- Shale
- Shcol

- Shgy
- Sltst
- Ss
- Till

### Accessories

#### MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau

- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff

#### FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite

- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

#### STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst

- Sltstrg
- Ssstrg

#### TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

### Other Symbols

#### OIL SHOW

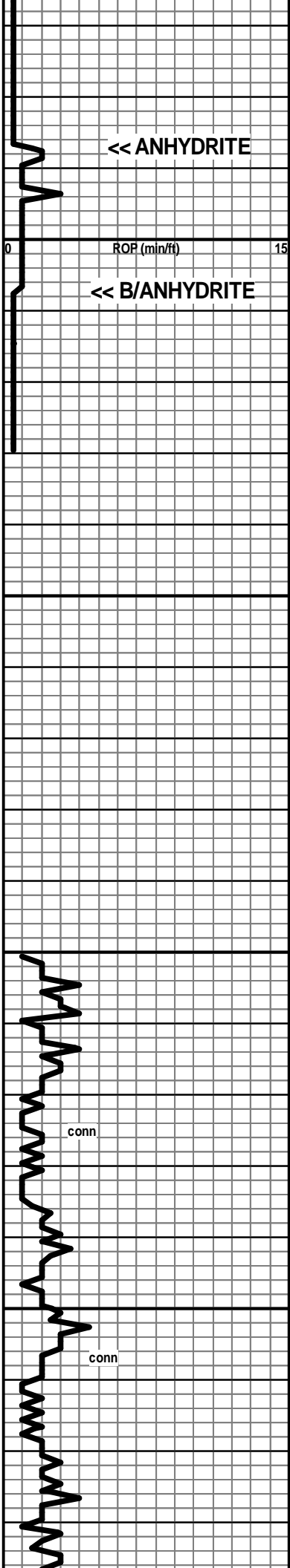
- Even
- Spotted

- Ques
- Dead
- Gas

#### INTERVAL

- Core
- Dst

ROP (min/ft)	Depth	Lithology	Shows	Geological Descriptions	Remarks
<p>ROP (min/ft) </p> <p>0      ROP (min/ft)      15</p>	<p>2500</p> <p>50</p>		Shows		



<< ANHYDRITE

<< B/ANHYDRITE

ROP (min/ft)

2600

3650

3700

3750



←----- 2587 (+478)

←----- 2607 (+458)

Displace & Mud up @  
3412 ft.

Pipe Strap @ Bit Trip at  
3662':  
Strap: 3662.00'  
Board: 3662.00'  
Differenc = 00.00

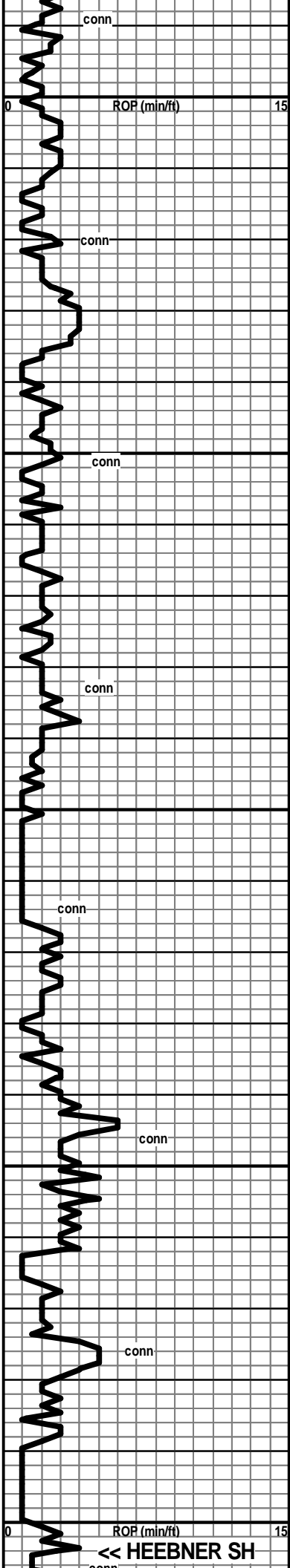
Ls wh-cr, fn xln, pr-fr xln por, chalky in pt, foss

Ls cr-tan, fn xln, pr-fr xln por, foss, some gy-blk shale

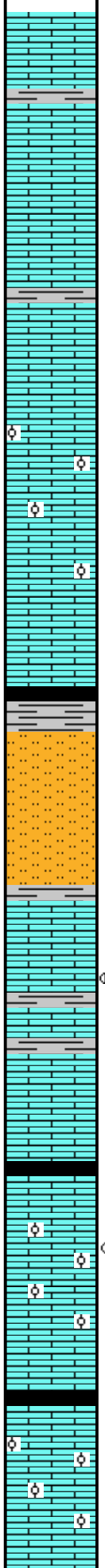
Ls cr-tan-pl gy, fn xln, dns-pr xln por, chalky in pt, foss, ool  
in pt

conn

conn



3800  
3850  
3900  
3950  
4000



Ls wh-cr-pl gy, fn xln, pr xln por to dns, foss

Sh gy-black, silty to calc

Ls wh-cr, pr-fr xln por, chalky in pt, foss

Sh gy-blk

Ls cr-tan, fn xln, pr-fr xln por in pt, dns in pt, foss to micro-ool in pt

Sh gy-black, carb in pt

Siltstone, gy, vfn grn, shaley in pt, calc in pt

Ls wh-cr, fn xln, scatt traces of pp por, foss  
[No Odor, Trace of Dull Spotty Flour, few pcs with Tr show of dk brn DO to NVL Oil, Rr scatt Dk spots of Stn]

Ls cr-pl gy, fn xln, pr-fr xln por, foss

Ls cr-pl gy, fn xln, subsucr to sucr text in pt, dolom in pt, pr-fr xln por, scatt pp por  
[No Show]

Ls cr, fn xln, dns to scatt pr inter-ool por, pr-fr crush  
[No Odor, Rr spots of V Dull Flour, Rr pcs with Spotty Stn and V Sii scatt show of black-dk brn D0 and NVL Oil]

Ls wh-cr-tan, fn xln, pr xln por to dns, foss in pt, scatt foss weath'd to dark

Sh gy-black

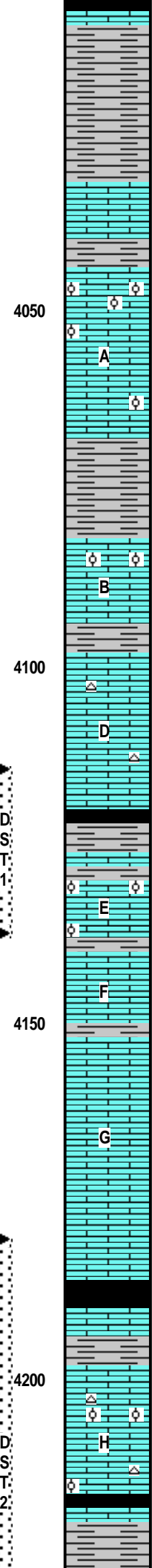
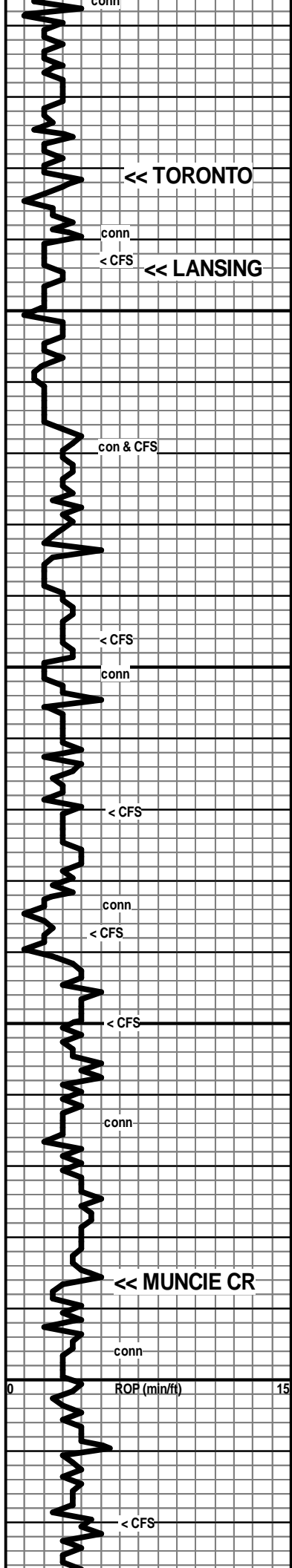
(much red beds in spls)

Ls wh-cr, fn xln, gd xln por, dol in pt, foss & ool

\* Very Tight Connections!

ROP (min/ft) 0 15  
HEEBNER SH

4004 (-939)



(Samples 90% red-gy-grn shales, Look like cavings from up-hole!)

----- 4031 (-966)

Ls wh-cr, fn xln, pr vis xln por, foss  
[No Show]

----- 4044 (-979)

Ls cr, fn xln, pr vis por, ool to packed ool (fn)  
[No Show]

(samples 90% shales from up-hole)

Sh gy-red, arg

Ls wh-cr, mostly chalky and mushy, some fn xln, with pr vis xln por, Rr scatt pp por, foss to ool

[No Odor, Rr spots of Dull Flour, few pcs per tray with Spots of Dk Stn with Sli show of Dk Brn Hvy DO-Hvy FO (v sli gassy in Rr pt)]

Ls wh-cr, vfn-fn xln, chalky in pt, dns to pr xln por in pt, foss, cherty: fresh, cr, opa, foss

[No Show]

Ls cr fn xln, dns to pr vis xln por, foss

Sh gy-black, carb in pt

Ls wh-cr, fn xln, pr vis xln por, scatt to good pp and vug por, micro ool-ool, foss

[Strong Odor, Brt speckld-patchy-even Flour, mix pcs with pr-fr-gd show brn gassy FO, Patchy-even tan to lt brn Stn]

Ls wh-cr, fn xln, chalky in pt, dns with Rr scatt patches of pr xln por, foss

[No Odor, No Flour, found a few pcs with patches of stn, possibly from above?]

Ls wh-cr, vfn-fn xln, mostly dns, some scatt pr xln por, foss in pt

Ls cr-pl gy, vfn-fn xln, dns, sli foss in pt

----- 4186 (-1121)

Sh black, carb (poorly repres in 4200' spl)  
Ls cr-tan, fn xln, dns, foss

Sh gy-grn  
Ls wh-cr-tan, vfn-fn xln, dns, chalky in pt, sli foss, Rr ool pcs mostly well cem with scatt Rr inter-ool por, cherty: fresh, wh-pl gy, subopaq

[V Fnt Odor, V Rr pcs with show of Lt Tan oily scum to sli gassy tan FO, Rr Patches of Stn, (show arrived late)]

Ls wh-cr, vfn-fn xln, dns, sli foss in pt, Rr embedded pyrite patches

Sh gy-grnish

Conn Very Tight!

Mud Check, CFS @ 4096':

Vis	Wt	WL	LCM	PV	YP
59	9.4	9.6	1	16	19
Chl	Hd	pH			
3000	80	10.0			

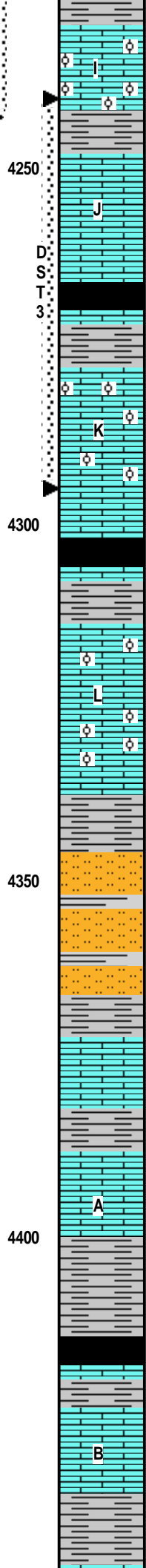
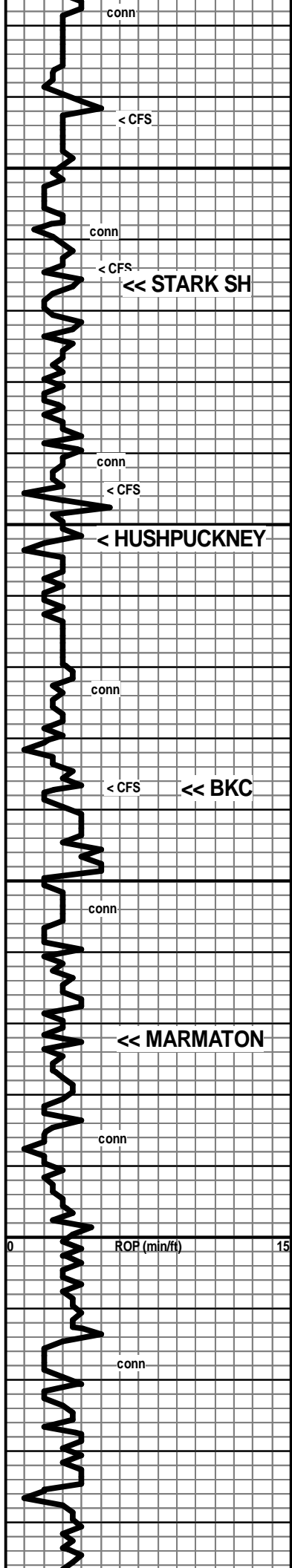
DST #1: 4114-4137 (LKC "E")  
Times: 30-30-30-30  
Initial Blow: V Wk, died 16 min.  
Final Blow: None  
Rec: 5' mud/oil spots  
IHP: 2158 FHP: 2063  
IFP: 13-17 FFP: 19-22  
ISIP: 1148 FSIP: 1072  
BHT: 110°F

7:00 AM, February 12, 2012

Mud Check, Drlg @ 4210':

Vis	Wt	WL	PV	YP
60	9.2	8.8	19	17
Chl	Hd	pH		
3500	120	10.0		

DST #2: 4180-4243 (LKC H,I)  
Times: 30-60-60-90  
Initial Blow: Wk, built to 2-3/4"  
Final Blow: Wk, built to 3"  
Rec: 60' gas in pipe  
180' OCM: Tr gas-30% oil-70% mud  
IHP: 2146 FHP: 2045



Ls wh-cr-tan, fn xln, ool in pt, foss in pt, dns in pt, scatt pp & sm vug por, ool pcs well-cem to loosely-cem with scatt interool pores  
[Fnt Odor, Abund Dull-Mod Flour, Where porous mixed pcs with pr-fr-gd show of oily scum to Lt Brn Gassy FO with patchy to even tan to Lt brn Stn]  
Sh gy-grn-black

Ls wh-cr-gy, fn xln, dns with scatt patches of pr vis xln por, chalky in pt, foss  
[No Odor, V Rr pcs with patches of dull flour and sm patches of brn stn, V Sli show of oily scum and tan FO on brk]  
**<----- 4266 (-1201)**  
Sh Black, carb (sli repres in 4280' spl, more in 4290' spl)  
Sh gy-dk gy

Ls wh-cr-tan, fn xln, mostly dns, rr patches of pr xln por, ool, mostly well-cem with some scatt sli inter-ool pores  
[Fnt Odor, Abund Brt speckled-patchy Flour, Scatt sli shows of Lt Brn FO, sli gassy in pt]  
**<----- 4302 (-1237)**  
Sh gy-black, carb in pt

Ls wh-cr-pl gy, fn xln, mostly dns, some chalky, foss, ool in pt  
[No Show]  
Ls wh-cr, fn xln, ool, mostly well-cem with some scatt inter-ool pores, abund chalky limestone, foss  
[No Odor, Few pcs with Mod-Brt patchy flour, Few pcs with Brn spotted stn in inter-ool pores with sli show of brn FO, \* Poss caving from K zn?]  
**<----- 4337 (-1272)**  
Sh gy-grn, calc in pt

Shaley Siltstone - Silty Shale, gy-grn

Sh gy-dk gy  
**<----- 4372 (-1307)**  
Ls wh-cr-gy, vfn-fn xln, dns, sli foss in pt  
[No Show]  
Sh gy-grnish

Ls wh-cr-pl gy, vfn-fn xln, dns, foss to abund foss  
[No Show]  
Shaley siltstone, gy-grnish

Sh grnish to Rr pcs of black carb shale

Ls wh-cr, vfn-fn xln, mostly dns and firm to some softer and chalky, foss  
[No Show]  
Sh gy-grnish

IFP: 19-56 FFP: 63-98  
ISIP: 1113 FSIP: 1091  
BHT: 112°F

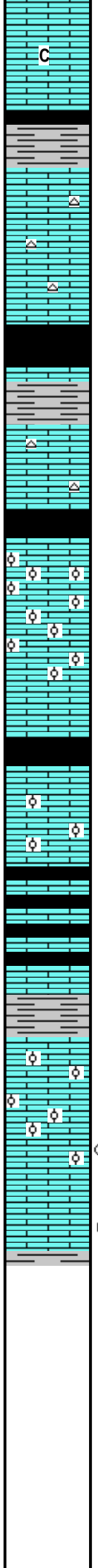
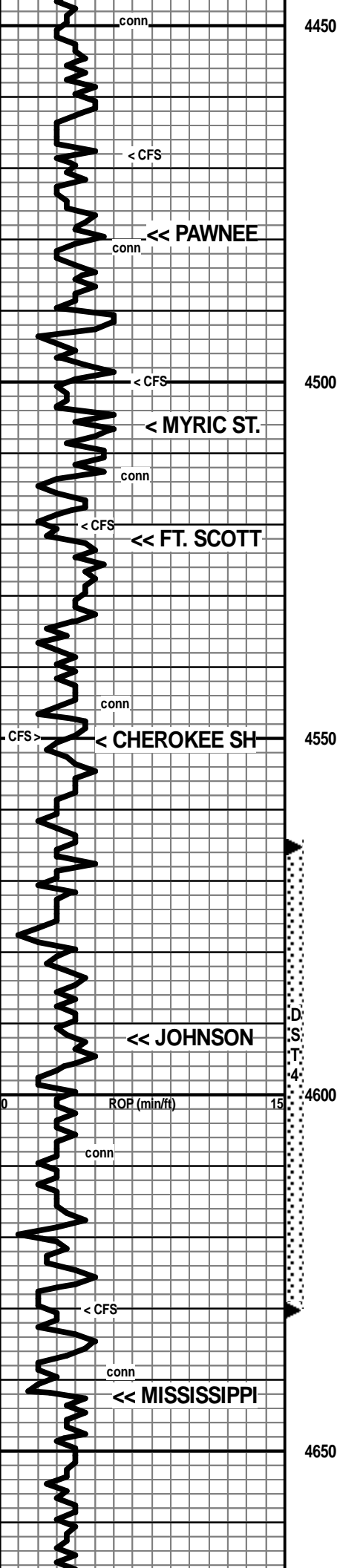
7:00 AM, February 13, 2012

DST #3: 4240-4295 (LKC J,K)  
Times: 30-60-60-90  
Inital Blow: Fr, built to 4"  
Final Blow: Fr, built to 4"  
Rec: 150' gas in pipe  
40' OCM, Tr gas-15% oil-85% mud  
120' GOCM, 02% gas-33% oil-65% mud  
IHP: 2123 FHP: 2083  
IFP: 18-50 FFP: 57-85  
ISIP: 1097 FSIP: 1091  
BHT: 112°F

7:00 AM, February 14, 2012



63 9.2 7.6 2 16 20  
 Chl Hd pH  
 3800 60 10.0



4450  
 Ls wh-cr-tan, vfn-fn xln, dns and firm, some softer and chalky pcs, Rr foss, some pyritic limestone  
 [No Show]  
 Sh black, carb  
 Sh gy-dk gy  
 <----- 4472 (-1407)

< CFS

<< PAWNEE  
 conn  
 Ls wh-cr-tan, vfn-fn xln, dns and hard to some softer and chalky, abund chert:fresh-grainy, wh-gy, foss in pt, subopaq  
 [No Show]  
 Sh black, carb (v abund in 4500' 20 min spl)  
 Sh gy-dk gy  
 <----- 4506 (-1441)

< CFS

< MYRIC ST.

conn  
 Ls wh-cr-tan, vfn-fn xln, dns, sli foss in pt, Abund chert: fresh, cr-tan-gy, subopaq, foss  
 [No Show]  
 Sh black, carb  
 <----- 4522 (-1457)

< CFS

<< FT. SCOTT

< CFS >

conn  
 Ls cr-tan-brn, fn xln, dns and hard to chalky and softer, foss, abund ool: md-crs, well-cem with mostly dns hard cem, some softer inter-ool cem with possibly some pr inter-ool por.  
 [No Show]  
 Ls cr-tan, vfn-fn xln, dns, ool, foss  
 [No Show]

< CFS >

< CHEROKEE SH

4550  
 Ls cr-tan-pl gy, vfn-fn xln, dns, scatt calcite patches, ool in pt-mostly well-cem  
 [No Show]  
 Interbedded Limestone & shale: Ls cr-tan, fn xln, dns, some wh chalky pcs, foss Sh black, carb in pt

<< JOHNSON  
 D  
 S  
 T  
 4  
 <----- 4592 (-1527)

4600  
 Ls cr-tan with some wh chalky edges, fn xln, dns, foss  
 [No Show]  
 Ls wh-cr-tan, fn xln, mostly dns, some micro-ool pcs with Rr inter-ool pores, foss, scatt calcite patches  
 [V Fnt Odor, Scatt Dull-Mod Flour, Rr spotted Lt Brn Stn with Sli show of lt brn gassy FO on brk]  
 Ls cr, fn xln, dns, chalky in pt, foss  
 [No Odor, No Flour, V Rr trace of DO Stn]  
 Sh gy-grn-yellow, waxy in pt, silty to sdy in pt

< CFS

conn  
 80% Shale red-gy-dk gy-grn-yellow, waxy to silty 20% Ls wh-cr-tan, fn xln, dns Tr silty to sdy clusters (no show)  
 <-----

<< MISSISSIPPI

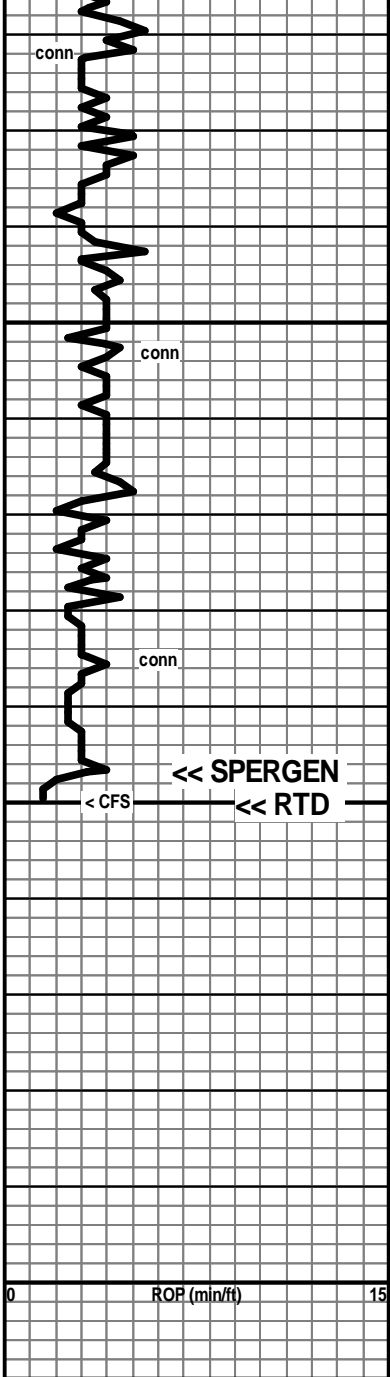
4650  
 70% Shale red-gy-dk gy-grn-yellow, waxy to silty 30% Ls wh-cr-tan, fn xln, dns, sdy in pt Tr silty to sdy clusters (no show)  
 40% Shale red-gy-dk gy-grn-yellow, waxy to silty 60% Ls wh-cr-tan, fn xln, dns, sdy in pt, cherty Tr silty to sdy clusters (no show)

7:00 AM, February 15, 2012

DST #4: 4565-4630 (Johnson)  
 Times: 30-30-30-30  
 Initial Blow: V Wk, built to 1/2"-died to 1/4"  
 Final Blow: None  
 Rec: 65' mud (no show)  
 IHP: 2363 FHP: 2318  
 IFP: 19-58 FFP: 64-94  
 ISIP: 1051 FSIP: 1017  
 BHT: 119°F

7:00 AM, February 16, 2012

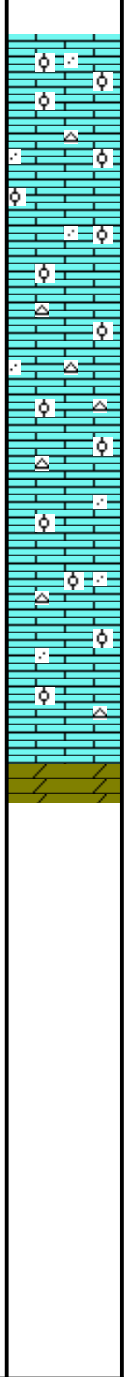
Mud Check, Circ @ 4630':  
 Vis Wt WL LCM PV YP  
 45 9.4 6.8 2 12 20  
 Chl Hd pH  
 3500 40 9.5



4700

4750

4800



Ls cr-tan, fn xln, mostly dns and firm, some chalky and softer, sdy in pt, ool in pt, pr-fr crush, Rr scatt glauc specks (spls 20% shales)

[No Show]

Ls wh-cr-tan, fn xln, dns and firm to soft and chalky, ool in pt, sdy in pt, scatt glauc specks, pr-gd crush

Ls wh-cr fn xln, ool, sdy in pt, chalky to dns, pr-gd crush, chert: fresh, gy-tan, spic, subopaq

Ls wh-cr, fn xln, dns and firm to soft and chalky, mostly ool, some sdy, Rr scatt glauc specks and spots, Rr foss, chert: fresh, tan-gy, sbutransl, foss

Ls mostly as above, with some tan vfn xln, dns, vitreous text pcs

Dol cr-tan, fn xln, sucrosic, fr-gd xln por, scatt vugs, pr-gd crush

[No Show]

<----- 4750 (-1685)

<----- 4747 (-1682)

RTD 4750 Ft. at 4:00 PM,  
February 16, 2012

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

February 28, 2012

Raul F. Brito  
Brito Oil Company, Inc.  
1700 N WATERFRONT PKWY  
Bldg. 300, Suite C  
WICHITA, KS 67206

Re: ACO1  
API 15-109-21069-00-00  
Boyd-Ward 1-6  
NE/4 Sec.06-12S-32W  
Logan County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Raul F. Brito