



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1228801
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: _____



1228801

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: 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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Bickle Energies LLC
Well Name	REKKER 19-1
Doc ID	1228801

Tops

Name	Top	Datum
ANHYDRITE	497	
HEEBNER	2763	-984
DOUGLAS	2793	-1014
BROWN LIME	2875	-1096
LANSING	2898	-1119
BKC	3176	-1397
ARBUCKLE	3216	-1437
RTD	3320	-1541
LTD	3319	-1540

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. 422

Date	Sec.	Twp.	Range	County	State	On Location	Finish
S-1-14	19	17	9	Ellsworth	KS	5:30 AM	9:00 AM

Lease	Well No.	Owner
REKKER	19-1	To Quality Oilwell Cementing, Inc.

Contractor	Type Job	Charge To
Boyer	Plug Job	Bickle energies

Hole Size	T.D.	Street
7 7/8	3314	Bickle energies

Csg.	Depth	City
Dill pipe		State

Tbg. Size	Depth	The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg.	Shoe Joint	Cement Amount Ordered
		210 60/40 496gel

Meas Line	Displace	Common

EQUIPMENT		Poz. Mix
Pumptrk	No.	Gel.

Bulktrk	No.	Calcium
3	Mich	

Bulktrk	No.	Hulls
pu	Doug	

JOB SERVICES & REMARKS		Salt
Remarks:		

Rat Hole	Flowseal
30 SAs	

Mouse Hole	Kol-Seal
15 SAs	

Centralizers	Mud CLR 48

Baskets	CFL-117 or CD110 CAF 38

D/V or Port Collar	Sand

1st	3300 ft	35 SAs	5/66	Mileage

FLOAT EQUIPMENT			
Waited	1 hour	Tag cement	
at	3100 ft		

2nd	1225 ft	35 SAs	CL 3/6	Guide Shoe

3rd	925 ft	35 SAs		Centralizer

4th	300 ft	35 SAs		Baskets

5th	25 SAs	60 ft		AFU Inserts

				Float Shoe

				Latch Down

				Wood plug

				Pumptrk Charge

				Mileage

				Tax

				Discount

				Total Charge

X Signature	
<i>[Signature]</i>	

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

No. 212

Date 4-25-14	Sec. 19	Twp. 17	Range 9	County Ellsworth	State KS	On Location	Finish 7:45 PM
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Location Cloflin E to 28 Rd, 3N, W n 2

Lease <u>Rekker</u>	Well No. <u>19-1</u>	Owner
Contractor <u>Royal 2</u>		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 <u>Surface</u>		Charge To <u>Bickel Energy</u>
Hole Size <u>12 1/4</u>	T.D. <u>249</u>	Street
Csg. <u>8 5/8</u>	Depth <u>249</u>	City
Tbg. Size	Depth	State
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg.	Shoe Joint <u>20</u>	Cement Amount Ordered <u>160 sx cam 3%cc, 2%gel</u>

Meas Line Displace 14 1/2 bbl

EQUIPMENT		Common
Pumptrk <u>17</u>	No. Cementer	Poz. Mix
	Helper <u>Lannie W</u>	
Bulktrk <u>9</u>	No. Driver	Gel.
	Driver <u>Claton</u>	
Bulktrk <u>Ph</u>	No. Driver	Calcium
	Driver <u>Travis</u>	

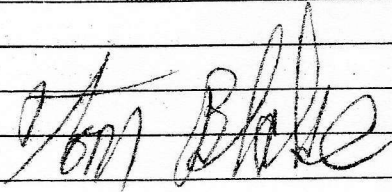
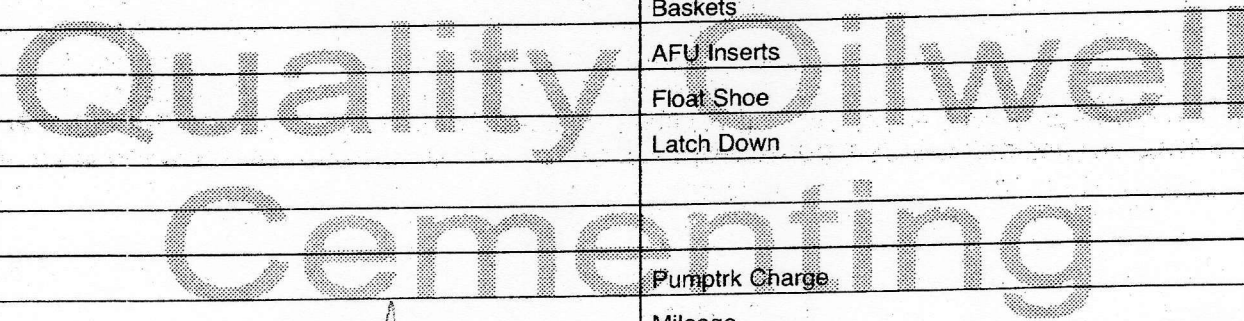
JOB SERVICES & REMARKS		Hulls
Remarks: <u>Cement did circulate</u>		Salt
Rat Hole		Flowseal
Mouse Hole		Kol-Seal
Centralizers		Mud CLR 48
Baskets		CFL-117 or CD110 CAF 38
D/V or Port Collar		Sand
		Handling
		Mileage

FLOAT EQUIPMENT

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

	Pumptrk Charge	
	Mileage	
		Tax
		Discount
		Total Charge

X Signature

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Cell 785-324-1041

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No. 422

Date	Sec.	Twp.	Range	County	State	On Location	Finish
S-1-14	19	17	9	Ellsworth	KS	5:30 AM	9:00 AM

Lease	Well No.	Owner
REKKER	19-1	To Quality Oilwell Cementing, Inc.

Contractor	Type Job	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Boyer	Plug Job		

Hole Size	T.D.	Charge To
7 7/8	3314	Bickle energies

Csg.	Depth	Street
Dill pipe		

Tbg. Size	Depth	City	State

Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.	

Cement Left in Csg.	Shoe Joint	Cement Amount Ordered
		210 60/40 496gel

Meas Line	Displace	Common

Pumptrk	No.	Cementer	Helper	
20		Mike		

Bulktrk	No.	Driver		
3		Mich		

Bulktrk	No.	Driver		
pu		Doug		

JOB SERVICES & REMARKS			
Remarks:			

Rat Hole	30 SKS	Flowseal
Mouse Hole	15 SKS	Kol-Seal

Centralizers	Mud CLR 48
Baskets	CFL-117 or CD110 CAF 38

D/V or Port Collar	Sand
	Handling

1st	3300 ft	35 SKS	5/66	Mileage

2nd	1225 ft	35 SKS	CL 3/6	Guide Shoe

3rd	925 ft	35 SKS		Centralizer

4th	300 ft	35 SKS		Baskets

5th	25 SKS	60 ft		AFU Inserts

Signature				Tax
				Discount
				Total Charge

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No. 212

Date 4-25-14	Sec. 19	Twp. 17	Range 9	County Ellsworth	State KS	On Location	Finish 7:45 PM
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Location Cloflin E to 28 Rd, 3N, W n 2

Lease Rekker	Well No. 19-1	Owner
Contractor Royal 2		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 Surface		Charge To Bickel Energy
Hole Size 12 1/4	T.D. 249	Street
Csg. 8 5/8	Depth 249	City
Tbg. Size	Depth	State
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg.	Shoe Joint 20	Cement Amount Ordered 160 sx cam 3%cc, 2%gel

Meas Line Displace 14 1/2 bbl

EQUIPMENT		Common
Pumptrk 17	No. Cementer	Poz. Mix
	Helper Lonnie W	
Bulktrk 9	No. Driver Claton	Gel.
Bulktrk Ph	No. Driver Travis	Calcium

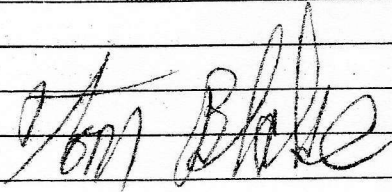
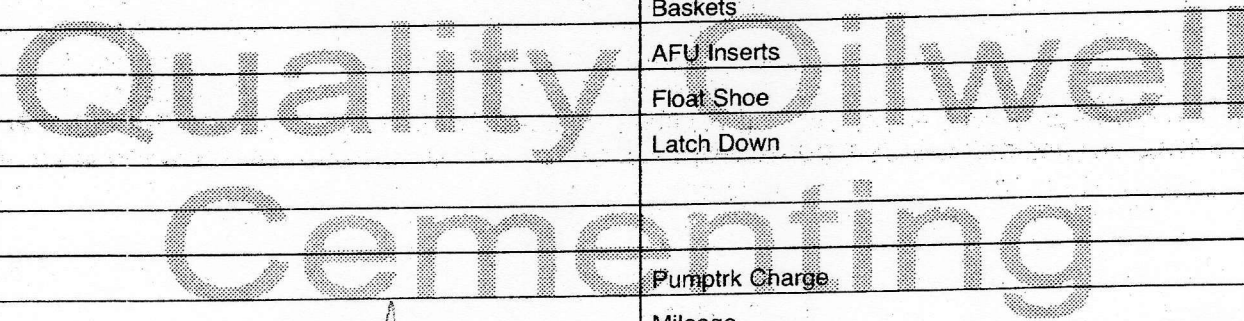
JOB SERVICES & REMARKS		Hulls
Remarks: Cement did circulate		Salt
Rat Hole		Flowseal
Mouse Hole		Kol-Seal
Centralizers		Mud CLR 48
Baskets		CFL-117 or CD110 CAF 38
D/V or Port Collar		Sand
		Handling
		Mileage

FLOAT EQUIPMENT

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

	Pumptrk Charge	
	Mileage	
		Tax
		Discount
		Total Charge

X Signature

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No. 422

Date	Sec.	Twp.	Range	County	State	On Location	Finish
S-1-14	19	17	9	Ellsworth	KS	5:30 AM	9:00 AM
Lease				Location			
REKKER				Clavin E to RS 3N Winto			

Well No.	Owner
19-1	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.
Contractor	Type Job
Boyer	Plug Job
Hole Size	T.D.
7 7/8	3314
Csg.	Depth
Dill pipe	
Tbg. Size	Depth
Tool	Depth
Cement Left in Csg.	Shoe Joint
Meas Line	Displace

EQUIPMENT		Charge To	
Pumptrk	No.	Bickle energies	
20			
Bulktrk	No.	City	
3		State	
Bulktrk	No.	The above was done to satisfaction and supervision of owner agent or contractor.	
pu		Cement Amount Ordered	
		210 60/40 496gel	
JOB SERVICES & REMARKS		Xa flow	
Remarks:		Common	
Rat Hole		Poz. Mix	
30 SAs		Gel.	
Mouse Hole		Calcium	
15 SAs		Hulls	
Centralizers		Salt	
Baskets		Flowseal	
D/V or Port Collar		Kol-Seal	
1st		Mud CLR 48	
3300 ft		CFL-117 or CD110 CAF 38	
35 SAs 5/66		Sand	
waited 1 hour tag cement		Handling	
at 3100 ft		Mileage	

FLOAT EQUIPMENT	
2nd	Guide Shoe
1225 ft	Centralizer
35 SAs CL 3/6	Baskets
tag 110 ft	AFU Inserts
3rd	Float Shoe
925 ft	Latch Down
35 SAs	Wood plug
4th	Pumptrk Charge
300 ft	Mileage
35 SAs CL 60 ft	

Signature	Tax
	Discount
	Total Charge

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No. 212

Date 4-25-14	Sec. 19	Twp. 17	Range 9	County Ellsworth	State KS	On Location	Finish 7:45 PM
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Location Cloflin E to 28 Rd, 3N, W n 2

Lease <u>Rekker</u>	Well No. <u>19-1</u>	Owner
Contractor <u>Royal 2</u>		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 <u>Surface</u>		Charge To <u>Bickel Energy</u>
Hole Size <u>12 1/4</u>	T.D. <u>249</u>	Street
Csg. <u>8 5/8</u>	Depth <u>249</u>	City
Tbg. Size	Depth	State
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg.	Shoe Joint <u>20</u>	Cement Amount Ordered <u>160 sx cam 3%cc, 2%gel</u>

Meas Line Displace 14 1/2 bbl

EQUIPMENT		Common
Pumptrk <u>17</u>	No. Cementer	Poz. Mix
	Helper <u>Lannie W</u>	
Bulktrk <u>9</u>	No. Driver	Gel.
	Driver <u>Claton</u>	
Bulktrk <u>Ph</u>	No. Driver	Calcium
	Driver <u>Travis</u>	

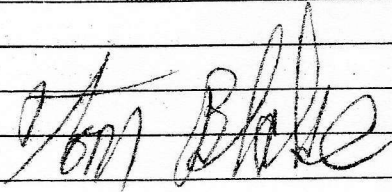
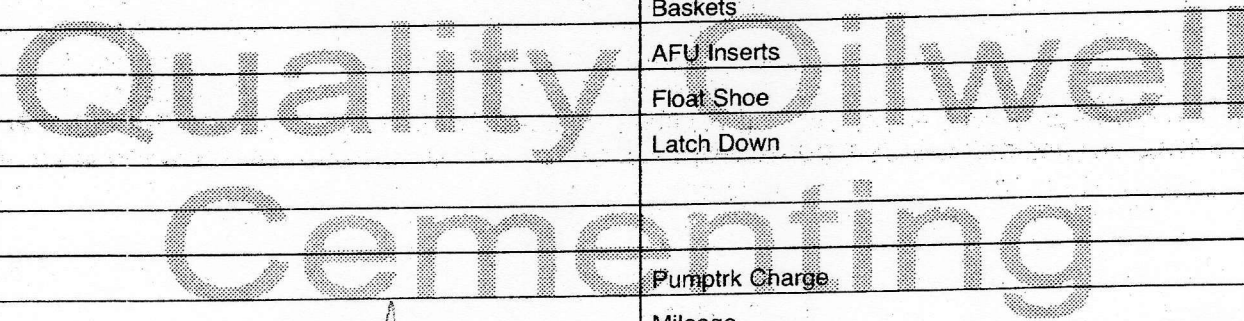
JOB SERVICES & REMARKS		Hulls
Remarks: <u>Cement did circulate</u>		Salt
Rat Hole		Flowseal
Mouse Hole		Kol-Seal
Centralizers		Mud CLR 48
Baskets		CFL-117 or CD110 CAF 38
D/V or Port Collar		Sand
		Handling
		Mileage

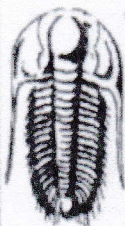
FLOAT EQUIPMENT

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

	Pumptrk Charge	
	Mileage	
		Tax
		Discount
		Total Charge

X Signature



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Bickle Energies

19-17S-9W Ellsworth

2052 250th Ave
Hays, KS 67601

Rekker 19-1

Job Ticket: 58985

DST#: 2

ATTN: Eli Felts/Keaton Jon

Test Start: 2014.04.30 @ 11:55:54

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:03:54

Time Test Ended: 16:57:24

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 74

Interval: 3237.00 ft (KB) To 3256.00 ft (KB) (TVD)

Reference Elevations: 1779.00 ft (KB)

Total Depth: 3256.00 ft (KB) (TVD)

1774.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6798

Inside

Press@RunDepth: 1129.99 psig @ 3238.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.30

End Date:

2014.04.30

Last Calib.:

2014.04.30

Start Time: 11:55:54

End Time:

16:57:24

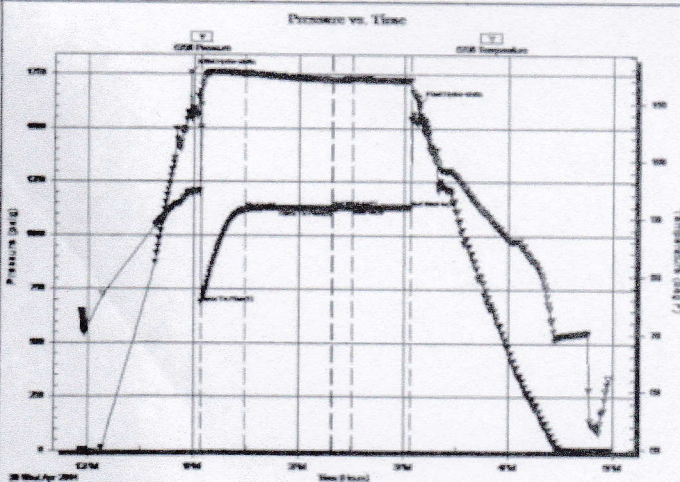
Time On Btm:

2014.04.30 @ 12:58:09

Time Off Btm:

2014.04.30 @ 15:08:24

TEST COMMENT: IF: Strong Blow, BOB in 30 seconds
 IS: No Blow Back
 FF: Fair to Weak Blow, Built to 10 inches, Died Off to 4 inches
 FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1755.79	94.57	Initial Hydro-static
6	683.08	105.66	Open To Flow (1)
31	1119.40	115.01	Shut-in(1)
81	1129.67	114.02	End Shut-in(1)
81	1121.36	114.01	Open To Flow (2)
93	1129.99	114.11	Shut-in(2)
126	1130.40	113.89	End Shut-in(2)
131	1611.98	109.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
868.00	Water	12.18
1736.00	SOCW 1%O 99%W	24.35
268.00	MCW 32%M 68%W	3.76

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Bickle Energies
 2052 250th Ave
 Hays, KS 67601
 ATTN: Eli Felts/Keaton Jon

19-17S-9W Ellsworth
Rekker 19-1
 Job Ticket: 58984 DST#: 1
 Test Start: 2014.04.29 @ 22:06:05

GENERAL INFORMATION:

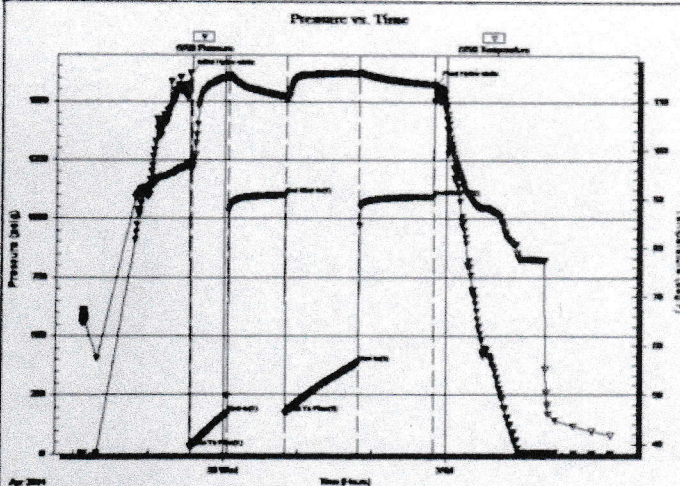
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:33:20
 Time Test Ended: 05:23:50
 Interval: **3190.00 ft (KB) To 3226.00 ft (KB) (TVD)**
 Total Depth: 3226.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Leal Cason
 Unit No: 74
 Reference Elevations: 1779.00 ft (KB)
 1774.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6798

Inside

Press@RunDepth: 385.91 psig @ 3191.00 ft (KB)
 Start Date: 2014.04.29 End Date: 2014.04.30
 Start Time: 22:06:05 End Time: 05:23:50
 Capacity: 8000.00 psig
 Last Calib.: 2014.04.30
 Time On Btm: 2014.04.29 @ 23:32:20
 Time Off Btm: 2014.04.30 @ 02:50:50

TEST COMMENT: F: Fair Blow, BOB in 9 minutes
 IS: No Blow Back
 FF: Fair Blow, BOB in 11 minutes
 FS: No Blow Back



PRESSURE SUMMARY

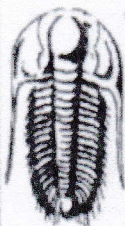
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1619.49	97.01	Initial Hydro-static
1	25.99	96.53	Open To Flow (1)
31	169.98	114.86	Shut-in(1)
78	1101.14	110.83	End Shut-in(1)
78	172.39	110.31	Open To Flow (2)
137	385.91	115.56	Shut-in(2)
198	1094.86	113.33	End Shut-in(2)
199	1574.91	112.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
431.00	MCW 5%M 95%W	6.05
325.00	MCW 48%M 52%W	4.56

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Bickle Energies

19-17S-9W Ellsworth

2052 250th Ave
Hays, KS 67601

Rekker 19-1

Job Ticket: 58985

DST#: 2

ATTN: Eli Felts/Keaton Jon

Test Start: 2014.04.30 @ 11:55:54

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:03:54

Time Test Ended: 16:57:24

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 74

Interval: 3237.00 ft (KB) To 3256.00 ft (KB) (TVD)

Reference Elevations: 1779.00 ft (KB)

Total Depth: 3256.00 ft (KB) (TVD)

1774.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6798

Inside

Press@RunDepth: 1129.99 psig @ 3238.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.30

End Date:

2014.04.30

Last Calib.:

2014.04.30

Start Time: 11:55:54

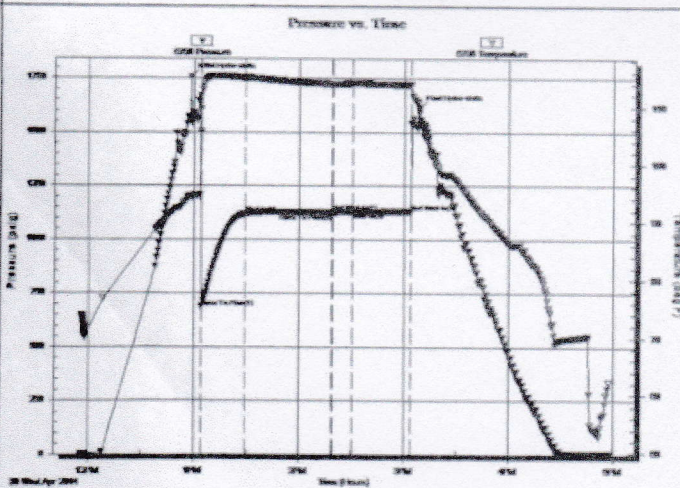
End Time:

16:57:24

Time On Btm: 2014.04.30 @ 12:58:09

Time Off Btm: 2014.04.30 @ 15:08:24

TEST COMMENT: IF: Strong Blow, BOB in 30 seconds
 IS: No Blow Back
 FF: Fair to Weak Blow, Built to 10 inches, Died Off to 4 inches
 FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1755.79	94.57	Initial Hydro-static
6	683.08	105.66	Open To Flow (1)
31	1119.40	115.01	Shut-in(1)
81	1129.67	114.02	End Shut-in(1)
81	1121.36	114.01	Open To Flow (2)
93	1129.99	114.11	Shut-in(2)
126	1130.40	113.89	End Shut-in(2)
131	1611.98	109.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
868.00	Water	12.18
1736.00	SOCW 1%O 99%W	24.35
268.00	MCW 32%M 68%W	3.76

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Bickle Energies
2052 250th Ave
Hays, KS 67601
ATTN: Eli Felts/Keaton Jon

19-17S-9W Ellsworth
Rekker 19-1
Job Ticket: 58984 DST#: 1
Test Start: 2014.04.29 @ 22:06:05

GENERAL INFORMATION:

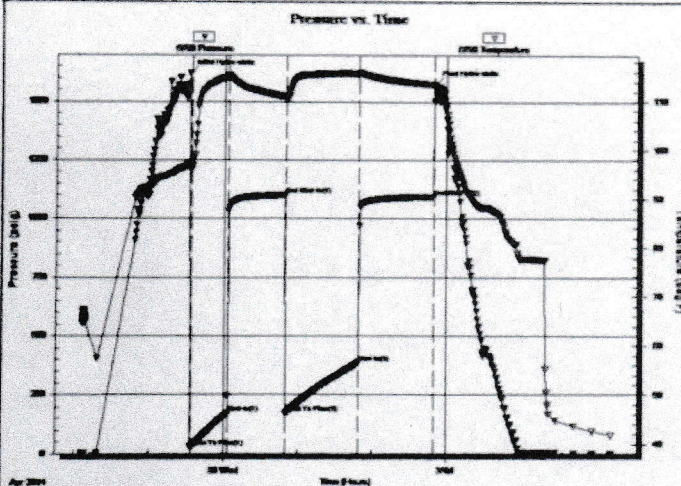
Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:33:20
Time Test Ended: 05:23:50
Interval: **3190.00 ft (KB) To 3226.00 ft (KB) (TVD)**
Total Depth: 3226.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Leal Cason
Unit No: 74
Reference Elevations: 1779.00 ft (KB)
1774.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6798

Inside

Press@RunDepth: 385.91 psig @ 3191.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.04.29 End Date: 2014.04.30 Last Calib.: 2014.04.30
Start Time: 22:06:05 End Time: 05:23:50 Time On Btm: 2014.04.29 @ 23:32:20
Time Off Btm: 2014.04.30 @ 02:50:50

TEST COMMENT: F: Fair Blow, BOB in 9 minutes
IS: No Blow Back
FF: Fair Blow, BOB in 11 minutes
FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1619.49	97.01	Initial Hydro-static
1	25.99	96.53	Open To Flow (1)
31	169.98	114.86	Shut-in(1)
78	1101.14	110.83	End Shut-in(1)
78	172.39	110.31	Open To Flow (2)
137	385.91	115.56	Shut-in(2)
198	1094.86	113.33	End Shut-in(2)
199	1574.91	112.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
431.00	MCW 5%M 95%W	6.05
325.00	MCW 48%M 52%W	4.56

Gas Rates

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