



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1094231
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: _____

1094231

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

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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Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	PENNER TRUST UNIT 1-15
Doc ID	1094231

All Electric Logs Run

CPI
DIL
Microresistivity Log
CDL/CNL
Sector Bond log
fracfinder

Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	PENNER TRUST UNIT 1-15
Doc ID	1094231

Tops

Name	Top	Datum
Herrington	1903	+81
Winfield	1955	+29
Towanda	2019	-35
Fort Riley	2061	-77
B/Florence	2164	-180
Council Grove	2236	-252
Cottonwood	2356	-372
Neva	2405	-421
Red Eagle	2466	-482
Stotler	2763	-779
Tarkio	2823	-839
Howard	2963	-979
Topeka	3039	-1055
Heebner	3297	-1313
Douglas Shale	3326	-1342
Brown Lime	3387	-1403
LKC	3395	-1411
BKC	3628	-1644
Conglomerate	3640	-1656
Arbuckle	3694	-1710
RTD	3850	-1866



DRILL STEM TEST REPORT

Prepared For: **F.G.Holl Company L.L.C.**

9431 East Central Suite 100
Wichita, Kansas 672

ATTN: Rene Husted

Penne Trut Unit#1-15

15-20s-15w

Start Date: 2012.07.25 @ 00:00:00

End Date: 2012.07.25 @ 00:00:00

Job Ticket #: 17781 DST #: 1

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2012.07.25 @ 09:26:55



DRILL STEM TEST REPORT

F.G.Holl Company L.L.C.

15-20s-15w

9431 East Central Suite 100
Wichita, Kansas 672

Penne Trut Unit#1-15

Job Ticket: 17781

DST#: 1

ATTN: Rene Husted

Test Start: 2012.07.25 @ 00:00:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 3335

Interval: 3696.00 ft (KB) To 3706.00 ft (KB) (TVD)

Reference Elevations: 1984.00 ft (KB)

Total Depth: 3706.00 ft (KB) (TVD)

1976.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8524 Inside

Press @ Run Depth: 1139.12 psia @ 3702.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.07.25

End Date: 2012.07.25

Last Calib.: 2012.07.25

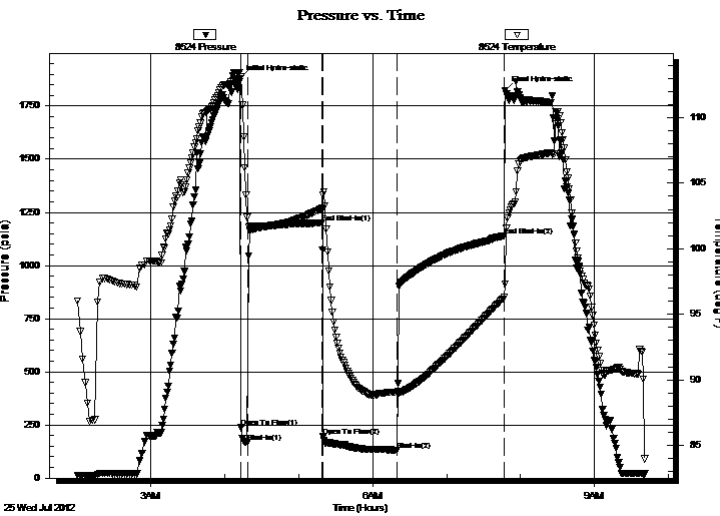
Start Time: 02:00:00

End Time: 09:41:00

Time On Btm: 2012.07.25 @ 04:12:00

Time Off Btm: 2012.07.25 @ 07:47:30

TEST COMMENT: 1ST Opening 5 Minutes Strong blow built to the bottom of a 5 gallon bucket in 1 minute
 1st Shut-In 60 Minutes fair blow back
 2nd Opening 60 Minutes-Strong blow gas to surface in 4 minutes see gas report
 2nd Shut-In 90 Minutes-Fair blow gack



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1876.86	113.42	Initial Hydro-static
2	239.07	113.15	Open To Flow (1)
7	168.08	102.40	Shut-In(1)
67	1200.27	103.08	End Shut-In(1)
68	194.92	104.11	Open To Flow (2)
128	130.35	89.03	Shut-In(2)
215	1139.12	96.28	End Shut-In(2)
216	1823.96	97.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	there was no recovery in the drill pipe	0.00

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.75	45.00	702.89
Last Gas Rate	0.75	33.00	515.46
Max. Gas Rate	0.75	45.00	702.89



DRILL STEM TEST REPORT

F.G.Holl Company L.L.C.

15-20s-15w

9431 East Central Suite 100
Wichita, Kansas 672

Penne Trut Unit#1-15

Job Ticket: 17781

DST#: 1

ATTN: Rene Hustedad

Test Start: 2012.07.25 @ 00:00:00

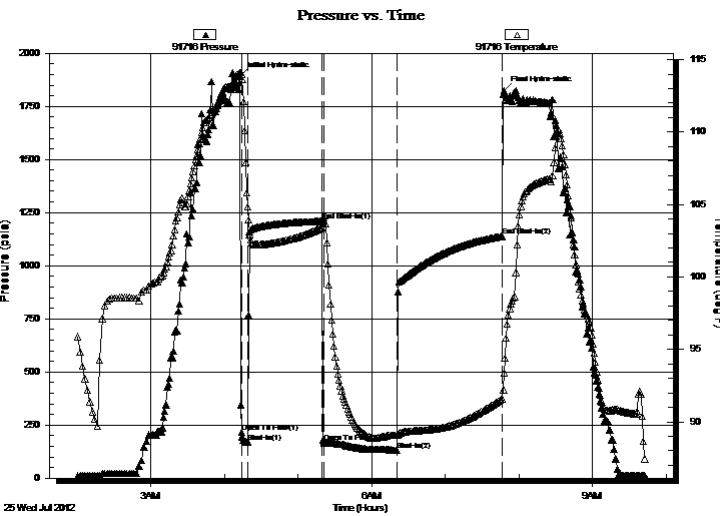
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:00:00
 Time Test Ended: 00:00:00
 Interval: **3696.00 ft (KB) To 3706.00 ft (KB) (TVD)**
 Total Depth: 3706.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gene Budig
 Unit No: 3335
 Reference Elevations: 1984.00 ft (KB)
 1976.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 91716 Outside

Press@RunDepth: 1138.31 psia @ 3703.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.07.25 End Date: 2012.07.25 Last Calib.: 2012.07.25
 Start Time: 02:00:00 End Time: 09:43:00 Time On Btm: 2012.07.25 @ 04:13:00
 Time Off Btm: 2012.07.25 @ 07:48:00

TEST COMMENT: 1ST Opening 5 Minutes Strong blow built to the bottom of a 5 gallon bucket in 1 minute
 1st Shut-In 60 Minutes fair blow back
 2nd Opening 60 Minutes-Strong blow gas to surface in 4 minutes see gas report
 2nd Shut-In 90 Minutes-Fair blow gack



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1889.90	114.11	Initial Hydro-static
1	214.83	114.01	Open To Flow (1)
6	170.37	104.84	Shut-In(1)
67	1209.04	103.42	End Shut-In(1)
68	170.70	104.10	Open To Flow (2)
128	131.25	89.06	Shut-In(2)
214	1138.31	91.60	End Shut-In(2)
215	1825.34	93.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	there was no recovery in the drill pipe	0.00

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.75	45.00	702.89
Last Gas Rate	0.75	33.00	515.46
Max. Gas Rate	0.75	45.00	702.89



DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G.Holl Company L.L.C.

15-20s-15w

9431 East Central Suite 100
Wichita, Kansas 672

Penne Trut Unit#1-15

Job Ticket: 17781

DST#: 1

ATTN: Rene Husted

Test Start: 2012.07.25 @ 00:00:00

Tool Information

Drill Pipe:	Length: 3699.00 ft	Diameter: 3.80 inches	Volume: 51.89 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 38000.00 lb
			<u>Total Volume: 51.89 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3696.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	38.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut-In Tool	5.00			3673.00	
Hydraulic Tool	5.00			3678.00	
Jars	6.00			3684.00	
Safety Joint	2.00			3686.00	
Packer	5.00			3691.00	28.00 Bottom Of Top Packer
Packer	5.00			3696.00	
Perforations	5.00			3701.00	
Recorder	1.00	8524	Inside	3702.00	
Recorder	1.00	91716	Outside	3703.00	
Bull Plug	3.00			3706.00	10.00 Bottom Packers & Anchor
Total Tool Length:	38.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

F.G.Holl Company L.L.C.

15-20s-15w

9431 East Central Suite 100
Wichita, Kansas 672

Penne Trut Unit#1-15

Job Ticket: 17781

DST#: 1

ATTN: Rene Husted

Test Start: 2012.07.25 @ 00:00:00

Mud and Cushion Information

Mud Type: Gel Chem
 Mud Weight: 9.00 lb/gal
 Viscosity: 50.00 sec/qt
 Water Loss: 8.39 in³
 Resistivity: ohm.m
 Salinity: 6000.00 ppm
 Filter Cake: inches

Cushion Type:
 Cushion Length: ft
 Cushion Volume: bbl
 Gas Cushion Type:
 Gas Cushion Pressure: psia

Oil API: deg API
 Water Salinity: ppm

Recovery Information

Recovery Table

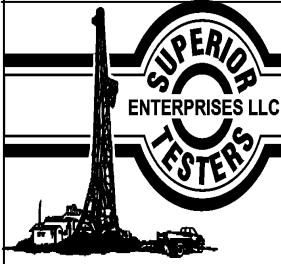
Length ft	Description	Volume bbl
0.00	there was no recovery in the drill pipe	0.000

Total Length: ft Total Volume: bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:



DRILL STEM TEST REPORT

GAS RATES

F.G.Holl Company L.L.C.

15-20s-15w

9431 East Central Suite 100
Wichita, Kansas 672

Penne Trut Unit#1-15

Job Ticket: 17781

DST#: 1

ATTN: Rene Husted

Test Start: 2012.07.25 @ 00:00:00

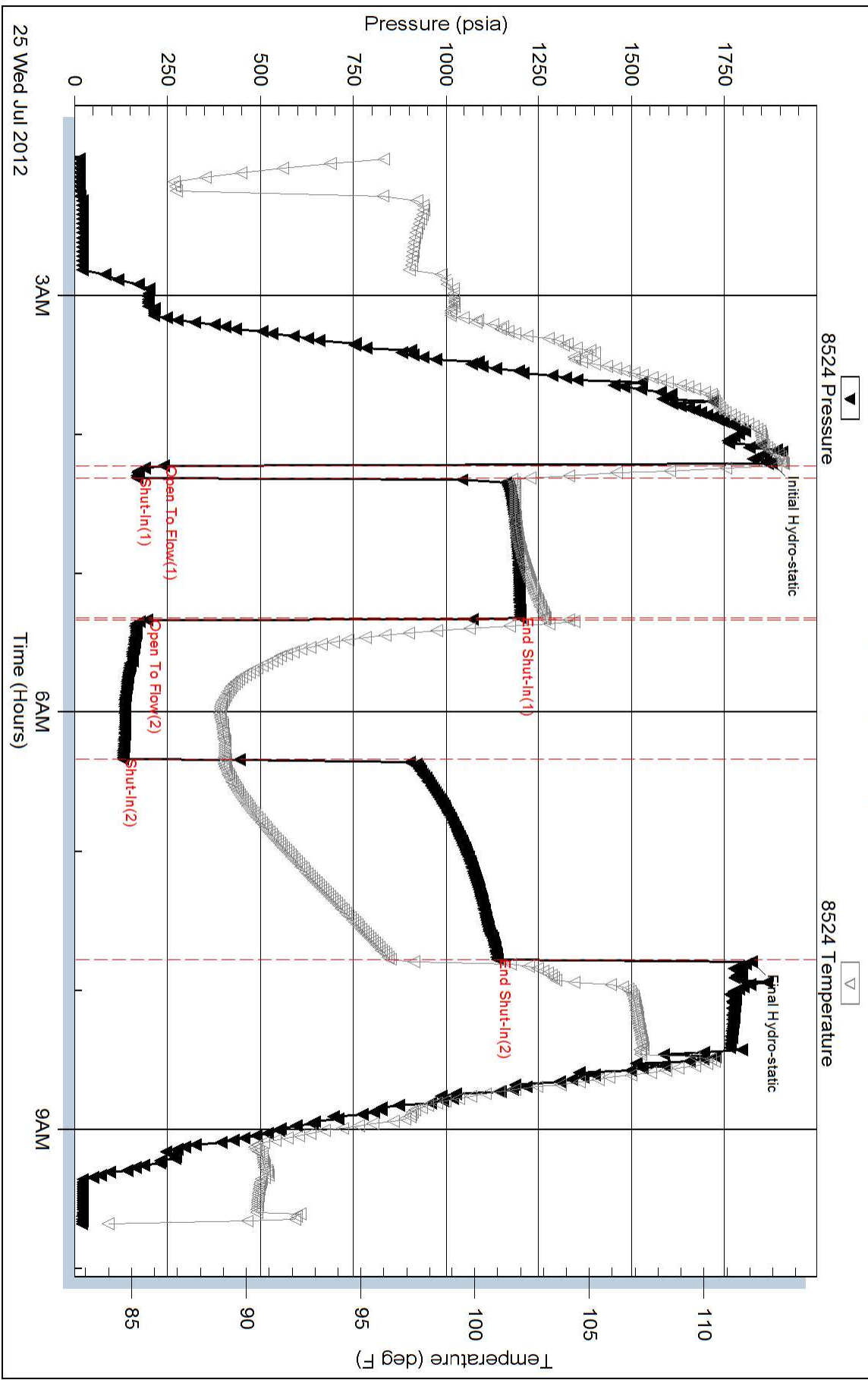
Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

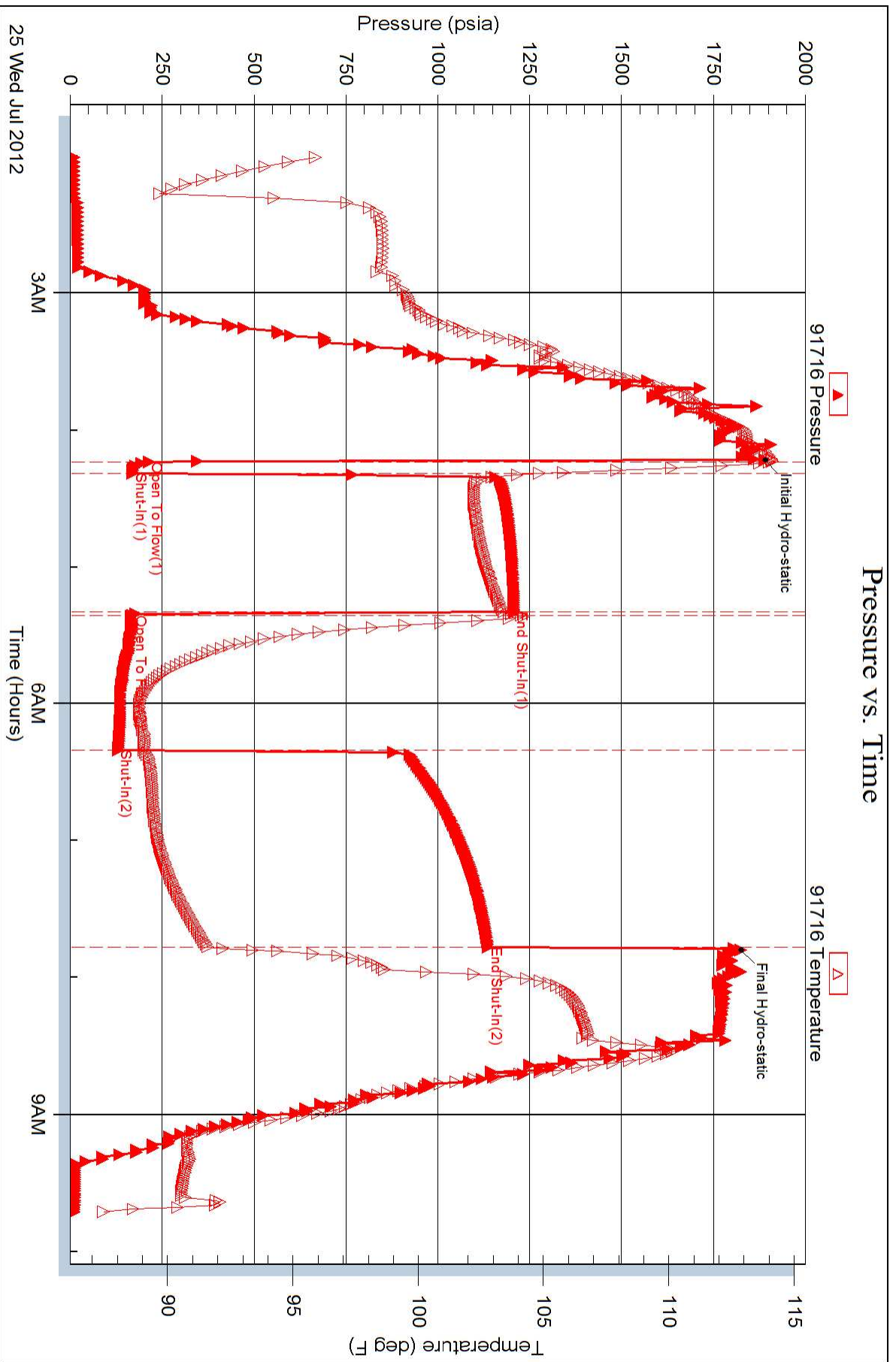
Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
2	10	0.75	45.00	702.89
2	20	0.75	45.00	702.89
2	30	0.75	39.00	609.17
2	40	0.75	38.00	593.55
2	50	0.75	36.00	562.32
2	60	0.75	33.00	515.46

Pressure vs. Time



Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **F.G.Holl Company L.L.C.**

9431 East Central Suite 100
Wichita, Kansas 672

ATTN: Rene Husted

Penne Trut Unit#1-15

15-20s-15w

Start Date: 2012.07.25 @ 00:00:00

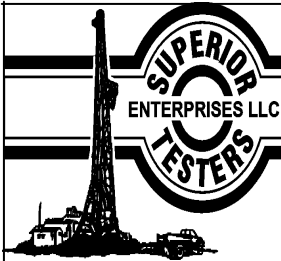
End Date: 2012.07.25 @ 00:00:00

Job Ticket #: 17782 DST #: 2

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2012.07.26 @ 11:06:42

F.G.Holl Company L.L.C.
15-20s-15w
Penne Trut Unit#1-15
DST # 2
Arbuckle
2012.07.25



DRILL STEM TEST REPORT

F.G.Holl Company L.L.C.

15-20s-15w

9431 East Central Suite 100
Wichita, Kansas 672

Penne Trut Unit#1-15

Job Ticket: 17782

DST#: 2

ATTN: Rene Husted

Test Start: 2012.07.25 @ 00:00:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 3335

Interval: 3707.00 ft (KB) To 3721.00 ft (KB) (TVD)

Reference Elevations: 1984.00 ft (KB)

Total Depth: 3721.00 ft (KB) (TVD)

1976.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 91716 Outside

Press @ Run Depth: 907.98 psia @ 3718.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.07.25

End Date: 2012.07.25

Last Calib.: 2012.07.25

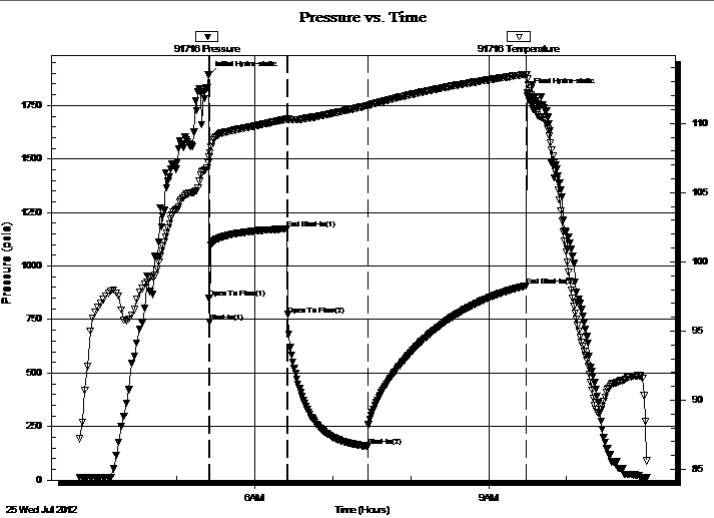
Start Time: 03:45:30

End Time: 11:02:00

Time On Btm: 2012.07.25 @ 05:24:29

Time Off Btm: 2012.07.25 @ 09:30:00

TEST COMMENT: 1st Opening 2 Minutes Strong blow gas to surface in 1 minute
 1st Shut-In 60 Minutes-Fair blow back
 2nd Opening 60 Minutes-Strong blow see gas report
 2nd Shut-In 120 Minutes- Fair blow back



PRESSURE SUMMARY

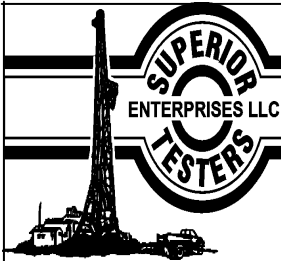
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1891.12	107.16	Initial Hydro-static
1	849.55	107.55	Open To Flow (1)
2	738.10	107.85	Shut-In(1)
61	1173.50	110.31	End Shut-In(1)
62	773.28	110.30	Open To Flow (2)
123	159.40	111.29	Shut-In(2)
245	907.98	113.53	End Shut-In(2)
246	1811.03	113.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	CLEAN OIL GRAVITY 38 CORRECTED	1.40
20.00	MUDDY OIL 20%OIL 80% MUD	0.28

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	1.00	81.74	2349.93
Last Gas Rate	1.00	22.75	654.04
Max. Gas Rate	1.00	81.74	2349.93



DRILL STEM TEST REPORT

F.G.Holl Company L.L.C.

15-20s-15w

9431 East Central Suite 100
Wichita, Kansas 672

Penne Trut Unit#1-15

Job Ticket: 17782

DST#: 2

ATTN: Rene Husted

Test Start: 2012.07.25 @ 00:00:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 3335

Interval: 3707.00 ft (KB) To 3721.00 ft (KB) (TVD)

Reference Elevations: 1984.00 ft (KB)

Total Depth: 3721.00 ft (KB) (TVD)

1976.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8524 Inside

Press @ Run Depth: 909.28 psia @ 3717.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.07.25 End Date: 2012.07.25

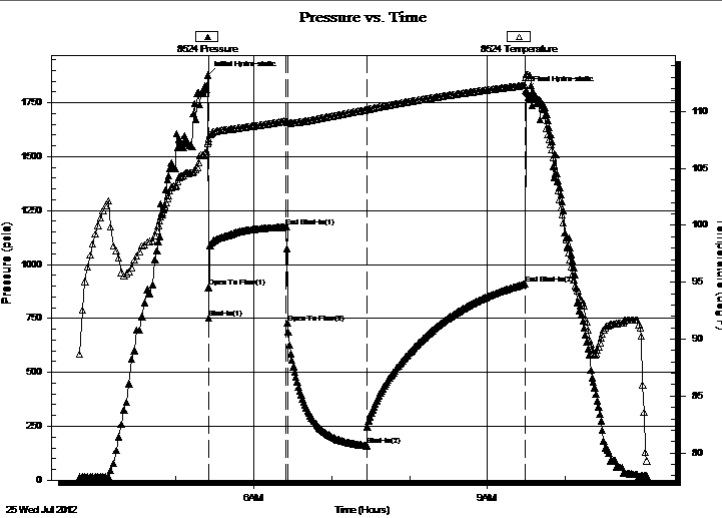
Last Calib.: 2012.07.25

Start Time: 03:46:00 End Time: 11:03:00

Time On Btm: 2012.07.25 @ 05:24:30

Time Off Btm: 2012.07.25 @ 09:30:00

TEST COMMENT: 1st Opening 2 Minutes Strong blow gas to surface in 1 minute
 1st Shut-In 60 Minutes-Fair blow back
 2nd Opening 60 Minutes-Strong blow see gas report
 2nd Shut-In 120 Minutes- Fair blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1877.86	107.21	Initial Hydro-static
1	893.74	107.37	Open To Flow (1)
1	750.84	107.61	Shut-In(1)
61	1173.72	109.17	End Shut-In(1)
62	727.07	109.03	Open To Flow (2)
123	159.46	110.15	Shut-In(2)
245	909.28	112.29	End Shut-In(2)
246	1804.46	113.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	CLEAN OIL GRAVITY 38 CORRECTED	1.40
20.00	MUDDY OIL 20%OIL 80% MUD	0.28

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	1.00	81.74	2349.93
Last Gas Rate	1.00	22.75	654.04
Max. Gas Rate	1.00	81.74	2349.93



DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G.Holl Company L.L.C.

15-20s-15w

9431 East Central Suite 100
Wichita, Kansas 672

Penne Trut Unit#1-15

Job Ticket: 17782

DST#: 2

ATTN: Rene Hustedad

Test Start: 2012.07.25 @ 00:00:00

Tool Information

Drill Pipe:	Length: 3695.00 ft	Diameter: 3.80 inches	Volume: 51.83 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			Total Volume: 51.83 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3707.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	42.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3684.00	
Hydraulic Tool	5.00			3689.00	
Jars	6.00			3695.00	
Safety Joint	2.00			3697.00	
Packer	5.00			3702.00	28.00 Bottom Of Top Packer
Packer	5.00			3707.00	
Perforations	9.00			3716.00	
Recorder	1.00	8524	Inside	3717.00	
Recorder	1.00	91716	Outside	3718.00	
Bull Plug	3.00			3721.00	14.00 Bottom Packers & Anchor
Total Tool Length:	42.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

F.G.Holl Company L.L.C.

15-20s-15w

9431 East Central Suite 100
Wichita, Kansas 672

Penne Trut Unit#1-15

Job Ticket: 17782

DST#: 2

ATTN: Rene Husted

Test Start: 2012.07.25 @ 00:00:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 54.00 sec/qt
Water Loss: 9.19 in³
Resistivity: ohm.m
Salinity: 6000.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psia

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	CLEAN OIL GRAVITY 38 CORRECTED	1.403
20.00	MUDDY OIL 20%OIL 80% MUD	0.281

Total Length: 120.00 ft Total Volume: 1.684 bbl

Num Fluid Samples: 0

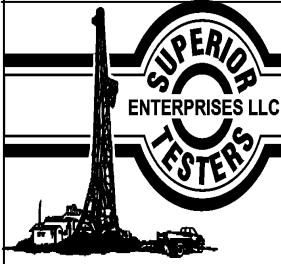
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



DRILL STEM TEST REPORT

GAS RATES

F.G.Holl Company L.L.C.

15-20s-15w

9431 East Central Suite 100
Wichita, Kansas 672

Penne Trut Unit#1-15

Job Ticket: 17782

DST#: 2

ATTN: Rene Husted

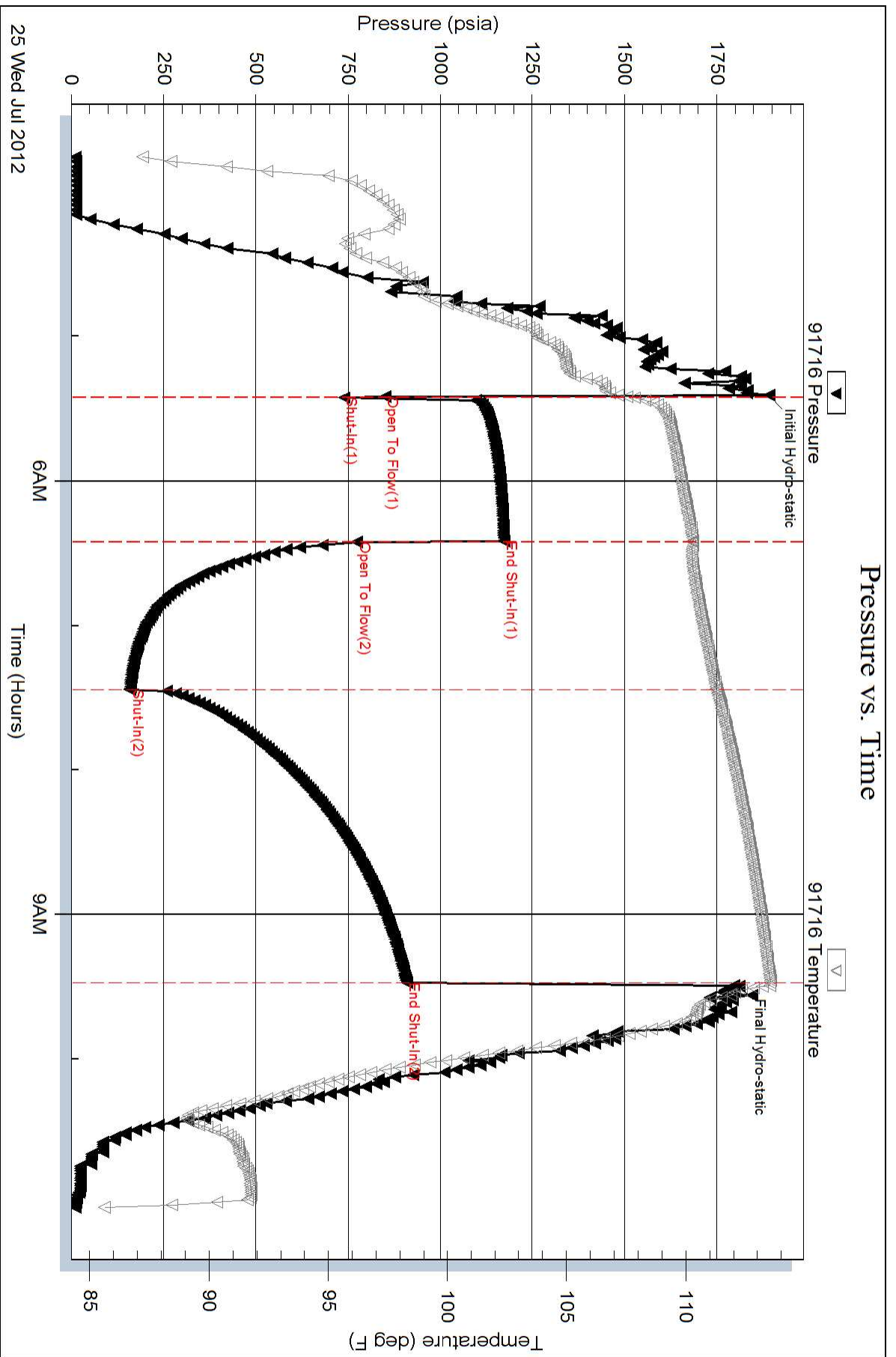
Test Start: 2012.07.25 @ 00:00:00

Gas Rates Information

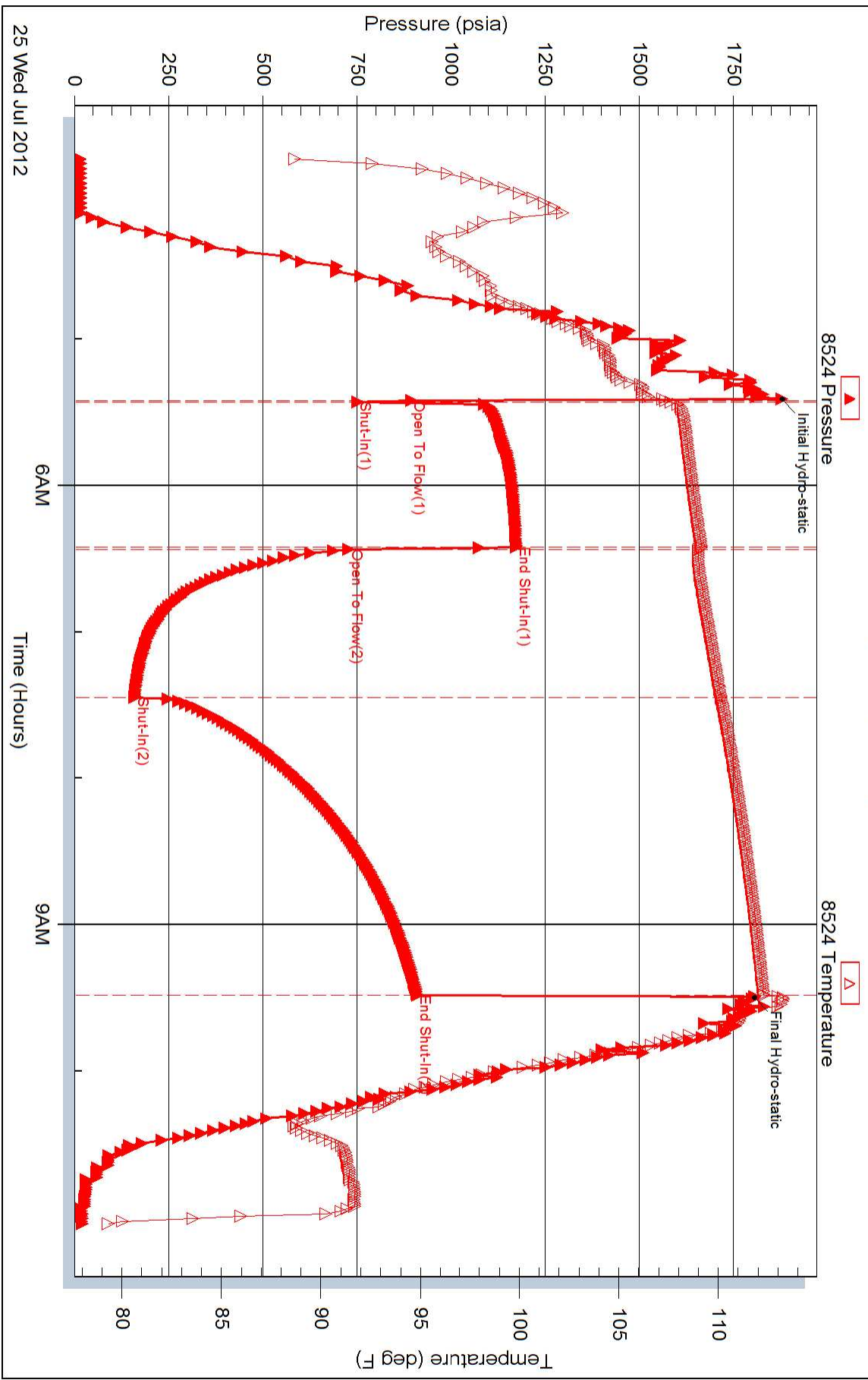
Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
2	10	1.00	81.74	2349.93
2	20	1.00	44.33	1274.43
2	30	1.00	39.00	1121.20
2	40	1.00	30.00	862.46
2	50	1.00	26.60	764.72
2	60	1.00	22.75	654.04



Pressure vs. Time



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
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

September 20, 2012

Franklin R. Greenbaum
F. G. Holl Company L.L.C.
9431 E CENTRAL STE 100
WICHITA, KS 67206-2563

Re: ACO1
API 15-009-25729-00-00
PENNER TRUST UNIT 1-15
NE/4 Sec.15-20S-15W
Barton 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,
Franklin R. Greenbaum



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 05940 A

DATE _____ TICKET NO. _____

DATE OF JOB 7-19-12 DISTRICT KANSAS				NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:			
CUSTOMER F.G. Holl Co. LLC				LEASE Penner Trust Unit #1-15 WELL NO.			
ADDRESS				COUNTY Barton 15-20-15 STATE KS.			
CITY STATE				SERVICE CREW Allen, Joe Mike			
AUTHORIZED BY				JOB TYPE: 8 5/8 Surface CNU			
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	7-19-12 AM 9:30
28443 P.U.	1 1/2					ARRIVED AT JOB	7-19-12 AM 11:15
22708-20920	1 1/2					START OPERATION	7-19-12 AM 2:00
19826-19902	1 1/2					FINISH OPERATION	7-19-12 AM 3:30
						RELEASED	7-19-12 AM 4:00
						MILES FROM STATION TO WELL	5.5 miles

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP101	A-CON Blend Common	SK	200		
CP100C	Common	SK	175		
CC102	cell FLAKE	lb	94		
CC109	calcium chloride	lb	894		
CF105	Top Rubber Cement Plug 8 5/8'	EA	1		
CF1253	Cent 8 5/8 Blue	EA	3		
E100	unit mileage chg. P.U.	mi	55		
E101	Heavy Equip mileage	mi	110		
E113	Bulk Del. Chg.	Tm	971		
CF201	Depth Charge 501-1000'	4-hr	1		
CF240	Blending + mixing service chg.	SK	375		
CF504	Plug container utilization chg.	Job	1		
S003	service Supervisor first 8hrs onlv	EA	1		

SUB TOTAL *VC*

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$		
MATERIALS	%TAX ON \$		
TOTAL			

SERVICE REPRESENTATIVE <i>Allen F Ward</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>[Signature]</i>
FIELD SERVICE ORDER NO.	(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

BASIC

energy services, L.P.

TREATMENT REPORT

Customer F.G. Holl Co. LLC	Lease No.	Date 7-19-12
Lease Penner Trust Unit # 1-15	Well #	
Field Order # 05940A	Station Pratt KS	Casing 8 5/8"
Type Job 8 5/8" surface	Formation CNW	Depth 964'
		County Bartow
		State KS
		Legal Description 15-20-15

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 8 5/8"	Tubing Size	Shots/Ft	200	Acid	12 #	RATE	PRESS #	ISIP
Depth 964'	Depth	From	To 175	Pre Pad	Max	1/4"	C.F.	5 Min.
Volume 60 bbl	Volume	From	To	Pad	Min			10 Min.
Max Press 500 #	Max Press	From	To	Frac	Avg			15 Min.
Well Connection PC	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth 999	Packer Depth	From	To	Flush Disp N ² O	Gas Volume			Total Load

Customer Representative Steve TP	Station Manager Scotty	Treater Allen
-------------------------------------	---------------------------	------------------

Service Units	22443	33708	20920	19826	19908			
Driver Names	Allen	Joe	Melton	Mike	Lawrence			

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
11:15 AM					ON Loc. Discuss Safety, Setup, Plan Job
					Rig CIR. @ 964' After Short TRIP.
12:00 pm					Start out of Hole w/ Drill Pipe.
1:00					Start 8 5/8" csg. 24 #
					Cent. 900' - 500' - 40'
2:00					Casing @ 964' CIR. w/ Rig.
2:20	200 #		88	5	Start cmt; 200 SKS A-Cow w/
					3% CC, 1/4" C.F. 12 #/gal
2:45			37	5	175 SKS Com. w/ 2% CC, 1/4" C.F. 15 #
					Finish cmt. Drop Top Rubber
				5	Plug, + Start Disp.
3:00	300 #		60	2	Plug down.
	300 #				Shut in @ well
	0 #				Release PSI
					Wash up Equip. + Rack up.
4:00					Job Complete
					Cmt to Pit.
					thanks
					Allen, Joe, Mike



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

1718 06734 A

15-205-15W

DATE _____ TICKET NO. _____

DATE OF JOB: 7-27-12		DISTRICT: Pratt, Kansas		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:					
CUSTOMER: F.G. Holl Company, LLC		LEASE: Penner Trust Unit		WELL NO.: 1-15					
ADDRESS:		COUNTY: Barton		STATE: Kansas					
CITY:		STATE:		SERVICE CREW: C. Messick; M. Mattal; S. Young					
AUTHORIZED BY:		JOB TYPE: C.N.W. - Longstring							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
37216	1.25						7-26-12	AM	10:30
						ARRIVED AT JOB	7-27-12	AM	3:00
19903-19905	1.25					START OPERATION		AM	7:15
						FINISH OPERATION		AM	8:30
19960-21010	1.25					RELEASED	7-27-12	AM	9:00
						MILES FROM STATION TO WELL			55

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
P CP105	AA2 Cement	sh	125		
P CP103	60/40 Poz Cement	sh	75		
P CC102	Cellflite	Lb	32		
P CC105	Defoamer	Lb	30		
P CC111	Salt	Lb	562		
P CC115	C-44	Lb	118		
P CC129	FLA-322	Lb	118		
P CC201	Gilsonite	Lb	1625		
P CF607	Latch Down Plug and Baffle, 5 1/2"	ea	4		
P CF1251	Auto Fill Float Shoe, 5 1/2"	ea	4		
P CF1651	Turbolizer, 5 1/2"	ea	8		
P CF1901	Basket, 5 1/2"	ea	4		
P CF2002	Rotating Scratchers	ea	40		
P CC154	Super Flush	Gal	500		

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$		
MATERIALS	%TAX ON \$		
TOTAL			

SERVICE REPRESENTATIVE: *Erin R. Modid* THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *[Signature]*
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

15-205-15W

FIELD SERVICE TICKET

1718 ~~00705~~ A

Continuation

DATE TICKET NO. 6.734

DATE OF JOB: 7-27-12 DISTRICT: Pratt, Kansas		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:	
CUSTOMER: F.G. Hall Company, LLC		LEASE: Penner Trust Unit WELL NO.: 1-15	
ADDRESS:		COUNTY: Barton STATE: Kansas	
CITY: STATE:		SERVICE CREW: Messick: M. Mattal: S. Young	
AUTHORIZED BY:		JOB TYPE: C.N.W. - Long string	

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
						ARRIVED AT JOB				
						START OPERATION				
						FINISH OPERATION				
						RELEASED				
						MILES FROM STATION TO WELL				

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: Rob [Signature]
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
P E 100	Pick up Mileage	mi	55		
P E 101	Heavy Equipment Mileage	mi	110		\$
P E 113	Bulk Delivery	tm	503		
P CE 204	Cement Pump: 3,000 Feet To 4,000 Feet	hrs	4		
P CE 240	Blending and Mixing Service	sh	200		\$
P CE 501	Casing Skivel	Job	1		\$
P CE 504	Plug Container	Job	1		\$
P 5003	Service Supervisor	hrs	8		

SUB TOTAL

DLCS

CHEMICAL / ACID DATA:		

SERVICE & EQUIPMENT	%TAX ON \$
MATERIALS	%TAX ON \$

TOTAL

SERVICE REPRESENTATIVE: [Signature]

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:

Rob [Signature]

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

Customer F.G. Holl Company, LLC	Lease No.	Date 7-27-12
Lease Penner Trust Unit	Well # 1-15	
Field Order # 6734	Station Pratt, Kansas	Casing" 5 1/2
Type Job C.N.W. - Longstring	Depth 14 Lb. 384 FT.	County Barton
	Formation	State Kansas
		Legal Description 15-205-15W

PIPE DATA		PERFORATING DATA		CEMENT USED		TREATMENT RESUME		
Casing Size 5 1/2 Lb.	Tubing Size	Shots/Ft	25 sac	60/40 Poz		RATE	PRESS	ISIP
Depth 3847 Feet	Depth	From	To	25 sac	FS AA-2 with 18" Max	Fluid Loss	.258	5 Min. Friction Reducer,
Volume 95.8 Bbl.	Volume	From	To	18 Gas	Blot, 108 salt,	Min	10 Lb./st. Gilsonite,	10 Min. 25 Lb./st. cell plate
Max Press 500 PSI	Max Press	From	To	15 Lb. Gallon,	5.37 Gallon	Avg	1/3 st. 1.43 cu. ft. 15 st.	15 Min.
Well Connection Plug Container	Annulus Vol.	From	To	50 sac	60/40 Poz to plug Rat	HHP Used	305 sac	Annulus Pressure
Plug Depth 3833.5 Feet	Packer Depth	From	To	Flush	93.5 Bbl. Fresh	Gas Volume	Water	Total Load

Customer Representative Rob Long	Station Manager David Scott	Treater Clarence R. Messich
-------------------------------------	--------------------------------	--------------------------------

Service Units	37,216	19,903	19,905	19,960	21,010
Driver Names	Messich	Mattal	Young		

Time	A.M.	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
3:00						Trucks on location and hold safety meeting.
3:40						Down Drilling start to run Auto-Fill Guide Shoe, Shoe Joint with Latch Down Baffle screwed into collar and a total of 92 Joints new 14 Lb./ft. 5 1/2 casing. A Turbolizer was installed on Collars #1, 2, 3, 4, 5, 6, 7, and #8. A Basket was installed above collar #5.
5:15						Casing in Well. Circulate and Rotate for 2 hours.
7:20			2,500			Shut in well. Pressure Test. Open Well.
7:28		400			6	Start Fresh Water Pre-Flush.
				20	6	Start Super Flush II.
				32	5	Start Fresh water spacer.
				35	5	Start mixing 25 sacs 60/40 Poz cement.
		400		40	5	Start mixing 125 sacs AA-2 cement.
		-0-		72		Stop pumping. Shut in well. Wash pump and lines. Release Latch Down Plug, Open Well.
7:47		100			6.5	Start Fresh Water Displacement.
					5	Start to lift cement.
8:03		600		93.5		Plugdown.
		1,500				Pressure up.
						Release pressure. Float Shoe held.
		-0-		7-5	3	Plug Rat and Mouse holes.
						Wash up pump truck.
9:00						Job complete.

Mud-Co / Service Mud Inc.

Operator **FG Holl** County **Barton** State **Kansas** Pump **6** X **14** X **60** SPM Casing Program **8 5/8** " @ **964** ft.
 Well **Penner Trust Unit #1-15** Location **1982 EGL** GPM **7.75** BPM " @ _____ ft.
 Contractor **Duke #8** Sec **15** TWP **20S** RNG **15W** D.P. **4.5** in. **191** FT/MIN R.A. " @ _____ ft.
 Stockpoint **Pratt, Ks.** Date **7/18/2012** Engineer **Rick Hughes** Collar **6.25** in. **495** ft. **348** FT/MIN R.A. Total Depth **3850** ft.

DATE	DEPTH	WEIGHT	VISCOSITY			GELS	pH	FILTRATION/RILTRATION ANALYSIS					SAND	RETORT			L.C.M.	Pump Press. psi	CUMULATIVE COST	REMARKS AND TREATMENT
			feel	lb/gal	Sec API @ ___ F			PV @ ___ F	Yp	10 sec / 10 min.	Strip Meter	ml API		Cake 32nds	Pres. #/BBL	Cl ppm				
7/18		0																		RURT
7/20	1032																			Drig. Displace @ 1700' w/starch
7/21	1952	9.1	44	7	21	21/32	7.0	16.8	4		39m	Hvy		3.4		96.6			Drig. Displace @ 2574' w/chem	
7/22	2749	8.8	41	10	8	3/12	11.5	8.8	1		3,500	20		3.4		96.6			Drig.	
7/23	3133	9.2	47	15	13	9/34	10.5	8.8	1		5,500	20		6.1		93.9			Drig.	
7/24	3542	9.1	50	18	15	11/37	10.5	8.4	1		6,000	20		5.4		94.6			Drig.	
7/25	3706	9.4	54	14	12	12/42	10.0	9.2	1		6,000	40		7.5		92.5			On Bank w/DST 1 DST #2 @ 3721	
7/26	3814	9.1	57	16	12	19/62	11.0	8.8	1		5,500	20		5.4		94.6	1		Drig.	
7/27	3850																		Final: 2 DST's. Logged. Run Casing.	
																				Reserve Pit, Chl content ppm: 57,000
																				Estimated Volume: 300 bbls

MUD-CO / SERVICE MUD INC.

100 S. Main Suite #310
 Wichita, Ks. 67202
 316/264-2814 Fax: 316/264-5024

DRILLING MUD RECAP

Materials	Sacks	Materials	Sacks	Amount	Amount
C/S HULLS	34	SUPER LIG	13	371.80	
CAUSTIC SODA	22	X-CIDE 102W	2	670.00	
DESCO	2				
DRILL PAK	6				
LIME	1				
MIL-GUARD	2				
PREMIUM GEL	372				
SALT CLAY	3				
SODA ASH	24				
STARCH	71				
				Total Mud Cost	
				Trucking Cost	
				Trucking Surcharge	
				Taxes	
				TOTAL COST	