



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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- 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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

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



1069379

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

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

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> 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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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
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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	Empire Energy E&P, LLC
Well Name	KRANKENBERG 5-19
Doc ID	1069379

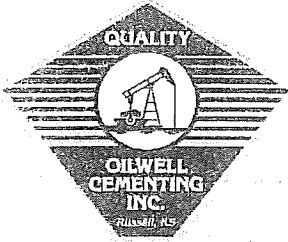
All Electric Logs Run

Dual Receiver CBL
Micro Log
Sonic Log
Compensated Density/Neutron Log
Dual Induction Log

Form	ACO1 - Well Completion
Operator	Empire Energy E&P, LLC
Well Name	KRANKENBERG 5-19
Doc ID	1069379

Tops

Name	Top	Datum
Anhydrite	679	1203
Base Anhydrite	701	1181
Heebner	3193	-1311
Toronto	3209	-1327
Douglas	3225	-1343
Brown Lime	3326	-1444
Lansing	3349	-1467
Base Kansas City	3571	-1689
Conglomerate	3621	-1739
Conglomerate Sand	3629	-1747
Viola	3638	-1756
Simpson Shale	3689	-1807
Arbuckle	3751	-1869



QUALITY OILWELL CEMENTING, INC.
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

Date: 8/10/2011
 Invoice # 5128

P.O.#:
 Due Date: 9/9/2011
 Division: Russell

Invoice

Contact:
 EMPIRE ENERGY
Address/Job Location:
 EMPIRE ENERGY
 PO Box 548
 Great Bend Ks 67530

Reference:
 KRANKENBERY 5-19
 Krankenberg 5-19 - AFE
Description of Work:
 LONG SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor							
Common-Class A	350						
Bulk Truck Mat-Material Service Charge	370						
Calcium Chloride	13						
Pump Truck Mileage-Job to Nearest Camp	23						
Bulk Truck Mileage-Job to Nearest Bulk Plant	23						
Premium Gel (Bentonite)	7						
8 5/8" Top Rubber Plug	1						
Baffle Plate Aluminum, 8 5/8"	1						

Invoice Terms:

Net 30

SubTotal:

Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice:

SubTotal for Taxable Items:

SubTotal for Non-Taxable Items:

Total:

Tax:

7.30% Stafford County Sales Tax

Thank You For Your Business!

Amount Due:

Applied Payments:

Balance Due:

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.

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9208
 ok.
 Kern
 8.10.11

APPROVED AUG 12 2011
 RJK



PAGE 1 of 1	CUST NO 1007035	INVOICE DATE 08/18/2011
INVOICE NUMBER 1718 - 90676192		

Pratt (620) 672-1201
 B EMPIRE ENERGY E&P LLC
 I PO BOX 548
 L GREAT BEND
 L KS US 67530
 T
 O ATTN:

J LEASE NAME Krankenberg 5-19 *ATE*
 O LOCATION
 B COUNTY Stafford
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T JOB CONTACT
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE		
40358092	19905		Net - 30 days	09/17/2011		
			QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 08/12/2011 to 08/12/2011</i>						
0040358092						
171804804A Cement-New Well Casing/Pi 08/12/2011 Longstring						
AA2 Cement			175.00	EA		
60/40 POZ			50.00	EA		
De-foamer (Powder)			33.00	EA		
Salt (Fine)			804.00	EA		
Gas-Blok			124.00	EA		
FLA-322			83.00	EA		
Gilsonite			875.00	EA		
CS-1L KCL Substitute			5.00	EA		
Mud Flush			500.00	EA		
Latch Down Plug & Baffle 5 1/2" (Blue)			1.00	EA		
Auto Fill Float Shoe 5 1/2" (Blue)			1.00	EA		
Turbolizer 5 1/2" (Blue)			10.00	EA		
5 1/2" Basket (Blue)			1.00	EA		
Unit Mileage Charge-Pickups, Vans & Cars			45.00	HR		
Heavy Equipment Mileage			90.00	MI		
Proppant and Bulk Delivery Charges			468.00	MI		
Depth Charge; 3001-4000'			1.00	HR		
Blending & Mixing Service Charge			225.00	MI		
Plug Container Utilization Charge			1.00	EA		
Casing Swivel Rental			1.00	EA		
Supervisor			1.00	HR		

*#9208
OK
Jim
8-23-11*

APPROVED AUG 26 2011
RSK

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL
BASIC ENERGY SERVICES, LP PO BOX 841903 DALLAS, TX 75284-1903	BASIC ENERGY SERVICES, LP PO BOX 10460 MIDLAND, TX 79702	TAX
		INVOICE TOTAL

Empire Energy E&P LLC
Krankenbergl #5-19
SE-NE-SE; Section 19-22s-12w
Stafford County, Kansas
Page 1

5 1/2" Production Casing Set

Contractor: Ninescag Drilling Company (Rig #1)
Commenced: August 6, 2011
Completed: August 11, 2011
Elevation: 1882' K.B; 1880 D.F; 1870' G.L.
Casing program: Surface; 8 5/8" @ 688'
Production; 5 1/2" @ 3879'
Sample: Samples saved and examined 2900' to the Rotary Total Depth.
Drilling time: One (1) foot drilling time recorded and kept 2900 ft to the Rotary Total Depth.
Measurements: All depths measured from the Kelly Bushing.
Drill Stem Tests: There was one (1) Drill Stem Test ran by Trilobite Testing.
Electric Log: By Superior Well Services; Dual Induction, Compensated Density/Neutron Log, Micro Log and Sonic Log.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	679	+1203
Base Anhydrite	701	+1181
Heebner	3193	-1311
Toronto	3209	-1327
Douglas	3225	-1343
Brown Lime	3326	-1444
Lansing	3349	-1467
Base Kansas City	3571	-1689
Conglomerate	3621	-1739
Conglomerate Sand	3629	-1747
Viola	3638	-1756
Simpson Shale	3689	-1807
Arbuckle	3751	-1869
Rotary Total Depth	3880	-1998
Log Total Depth	3876	-1994

(All tops and zones corrected to Electric Log measurements).

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

TOPEKA SECTION

3100-3130' Limestone; tan, finely crystalline, dolomitic, sucrosic in part, fair to good porosity, questionable brown stain and saturation, no show of free oil and no odor in fresh samples.

TORONTO SECTION

3200-3220' Limestone; cream, white, finely crystalline, chalky, poorly developed porosity, no shows.

LANSING SECTION

3349-3360' Limestone; cream, fine and medium crystalline, fossiliferous, chalky, trace brown stain, no show of free oil and no odor in fresh samples.

3369-3374' Limestone; tan, gray, oolitic, chalky, poor visible porosity, gray and brown stain, no show of free oil and faint odor in fresh samples.

3385-3400' Limestone; tan/brown, finely crystalline, chalky, scattered pinpoint type porosity, poor brown stain, no show of free oil and questionable odor in fresh samples.

3414-3421' Limestone; white, gray, finely crystalline, oolitic, chalky, trace brown stain, weak show of free oil and no odor in fresh samples.

3430-3440' Limestone; gray, white, cream, oolitic, oomoldic, fair oomoldic porosity, chalky, trace light brown stain, weak show of free oil and no odor in fresh samples.

3450-3470' Limestone; gray, white, yellow, finely crystalline, chalky, few cherty, (dense), plus gray chert.

3478-3486' Limestone; gray, oomoldic, good oomoldic porosity, fair light brown stain, fair show of free oil and fair to good odor in fresh samples.

3497-3504' Limestone; white, gray, oolitic, chalky, dark black stain, no show of free oil, no odor.

3511-3524' Limestone; gray, white, medium crystalline in part, oolitic/fossiliferous, chalky, scattered porosity, brown and gray stain, show of free oil and odor in fresh samples.

3540-3550' Limestone; gray, oolitic, chalky, fair porosity, brown stain, show of free oil and no odor, plus white chalk.

CONGLOMERATE SECTION

3621-3629' Chert; amber, orange, white and maroon black shale.

3629-3632' Sand; gray, very fine grained, calcareous, poorly developed, black stain, no show of free oil and no odor in fresh samples.

Drill Stem Test #1 **3613-3645'**

Times: 30-30-30-30
Blow: weak

Recovery: 15' mud
Pressures: ISIP 34 psi
FSIP 45 psi
IFP 17-22 psi
FFP 20-33 psi
HSH 1830-1791 psi

VIOLA SECTION

3638-3650' Chert; white, gray, cream, few semi-tripolitic, trace brown stain, show of free oil and gassy odor in fresh samples.

3650-3660' Chert; white, boney, trace brown black edge staining, no show of free oil and no odor in fresh samples.

3660-3679' Chert; white, cream, tan, boney, black staining, fair porosity, no show of free oil and no odor.

SIMPSON SECTION

3720-3726' Sand; white, clear, gray, dolomitic, poorly sorted, trace black stain, n show of fresh oil and no odor.

ARBUCKLE SECTION

3751-3760' Dolomite; tan, gray, finely crystalline, few medium crystalline, fair intercrystalline and vuggy porosity, dark brown stain, show of free oil and fair odor in fresh samples.

3760-3780' Dolomite; tan, cream, fine and medium crystalline, fair intercrystalline type porosity, brown stain, show of free oil and faint to fair odor in fresh samples.

3780-3800' Dolomite; cream, finely crystalline, few cherty, poor visible porosity, trace brown stain, show of free oil and questionable odor in fresh samples.

3800-3820' Dolomite; clear, finely crystalline, few medium crystalline, fair intercrystalline and vuggy type porosity, trace stain, no show of free oil and no odor.

3840-3850' Dolomite; gray, finely crystalline, few oomoldic, fair vuggy/oomoldic type porosity, dark brown stain, trace of free oil (2 pieces) faint odor.

3850-3860' Dolomite; cream, tan, finely crystalline, sucrosic in part, dense, plus white boney chert.

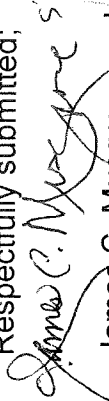
3860-3880' Dolomite and chert; as above, no shows.

Rotary Total Depth 3880 (-1998)
Log Total Depth 3876 (-1994)

Recommendations:

5 1/2" production casing was set and cemented.

Respectfully submitted;


James C. Musgrove and
Joshua R. Austin,
Petrofeum Geologists

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. 5128

Date	8-7-11	Sec.	19	Twp.	22	Range	12	County	Stafford	State	Ks	On Location		Finish	5:15 AM
Lease	Krankenbergy	Well No.	S-19			Location 281-K-19 Jct, 4E, 2 1/2 S, W 1/4									
Contractor	Winnescan Rig # 101							Owner							
Type Job	Surface							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.							
Hole Size	12 1/4"		T.D.		693'		Charge To Empire energy								
Csg.	8 5/8"		Depth		688'		Street								
Tbg. Size			Depth				City								
Tool			Depth				State								
Cement Left in Csg.	41.23'		Shoe Joint		41.23'		The above was done to satisfaction and supervision of owner agent or contractor.								
Meas Line			Displace		41 BLS		Cement Amount Ordered 350 sx Common 3% CC								

EQUIPMENT

Pumptrk	1	No.	Cementer	Cisco	Mike	2% Gel	
			Helper			Common	350
Bulktrk	13	No.	Driver	Co #		Poz. Mix	
Bulktrk	p.u.	No.	Driver	Rick		Gel.	7
			Driver			Calcium	13

JOB SERVICES & REMARKS

Remarks:	Cement did Circulate.	Hulls	
Rat Hole		Salt	
Mouse Hole		Flowseal	
Centralizers		Kol-Seal	
Baskets		Mud CLR 48	
D/V or Port Collar		CFL-117 or CD110 CAF 38	
		Sand	
		Handling	370
		Mileage	

FLOAT EQUIPMENT

	Guide Shoe	
	Centralizer	
	Baskets	
	AFU Inserts	
	Float Shoe	
	Latch Down	
	1- Baffle plate	
	1- Rubber plug	
	Pumptrk Charge	Long Surface
	Mileage	23

	Tax	
	Discount	
	Total Charge	

X Signature *Terry J. Cimino*

Customer E. M. Pfe Energy Field P.L.L.C.		Lease No.		Date 8-12-11	
Lease Krantenberg		Well # 5-19			
Field Order # 4804	Station Pratt, Kansas	Casing 5 1/2 14 1/2	Depth 3976 Ft.	County Stafford	State Kansas
Type Job C.N.W. - Longstring			Formation	Legal Description 19-225-12W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2 14 1/2	Tubing Size 6 1/2	Shots/Ft 175 sacks	Acid AA2 with	Rate 58 FPM	Press 2800	ISIP 7586		
Depth 3976 Feet	Depth	From Blot To 1085 ft	Pre Pad 5 Lb./sk. G	Max 1500	Min 50	5 Min.		
Volume 97.6 Bbl.	Volume	From To	Pad 15.3 Lb./Gal.	Avg 50 Gal/sk	1.36	10 Min.		
Max Press 1500 PSI	Max Press	From To	Frac				15 Min.	
Well Connection Pump Out	Annulus Vol.	From 50 sacks To 60/40 Poz to Plug Rat and Mouse holes	HHP Used				Annulus Pressure	
Plug Depth 725 Feet	Packer Depth	From To	Flush 93.5 Bbl. 29	Gas Volume				Total Load

Customer Representative Rick Popp	Station Manager David Scott	Treater Clarence R. Messick
--------------------------------------	--------------------------------	--------------------------------

Service Units 37.216	19.903	19.905	19.826	19.860					
Driver Names Messick	Mattal	Mc	Grow						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
5:30					Trucks on location and hold safety meeting
9:30					Winnesch Drilling start to run Auto Fill Float Shoe, Shoe Joint with 1 latch and a total of 92 Joints new 14 Lb/ft 5 1/2" A Basket was installed above collar # 13 Turbolizers were installed on collars # 1, 3, 5, 7, 9, 11, 13, 15, 17 and # 19
11:45					Casing in well. Rotate and Circulate for 2 hrs
2:05					Shut in well. Pressure Test Open Well.
	300			6	Start 28 HCL Pre-Flush.
			20	6	Start Mud Flush.
			32	5	Start 28 HCL Spacer
2:14	300		37	5	Start mixing 175 sacks AA2 cement
	-0-		79		Stop pumping Shut in well. Wash pump and line Release Latch Down Plug. Open Well.
2:27	100			6.5	Start 28 HCL Displacement
				5	Start to lift cement.
2:43	1100		93.5		Plug down.
	1500				Pressure up.
					Release pressure Insert hold.
	-0-		7-5	3	Plug Rat and Mouse holes Washup pump truck.
3:30					Job Complete



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Empire Energy E&P LLC
 17 Arentzen Blvd.Ste.203
 Charleroi Pa.15022
 ATTN: Musgrove/ Austin

Krankenbergn#5-19
19-22s-12w Stafford
 Job Ticket: 43954 **DST#: 1**
 Test Start: 2011.08.10 @ 15:17:03

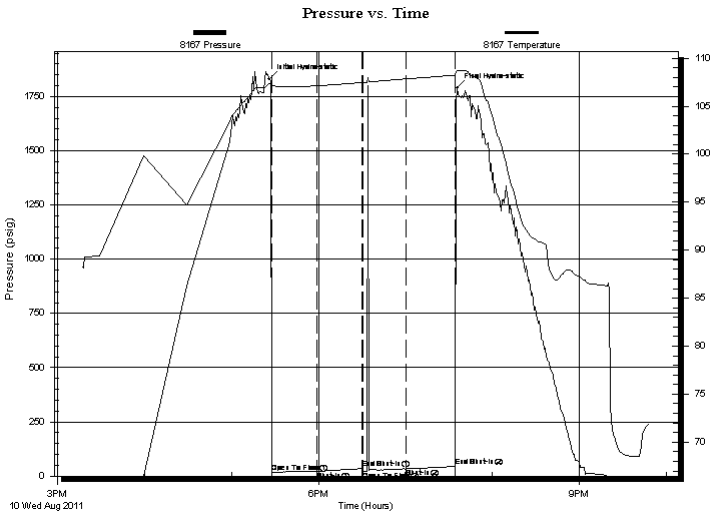
GENERAL INFORMATION:

Formation: **Conglomerate**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:27:33
 Time Test Ended: 21:49:03
Interval: 3613.00 ft (KB) To 3645.00 ft (KB) (TVD)
 Total Depth: 3645.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole
 Tester: Gary Pevoteaux
 Unit No: 56
 Reference Elevations: 1883.00 ft (KB)
 1870.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 8167 Inside
 Press @ Run Depth: 33.47 psig @ 3614.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.08.10 End Date: 2011.08.10 Last Calib.: 2011.08.10
 Start Time: 15:17:08 End Time: 21:49:02 Time On Btm: 2011.08.10 @ 17:26:03
 Time Off Btm: 2011.08.10 @ 19:35:48

TEST COMMENT: IF:Weak blow . 1/4" or less.
 IS:No blow .
 FF:No blow . Flushed tool 5 mins.in FFP. No blow .
 FS:No blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1830.33	107.39	Initial Hydro-static
2	17.15	106.92	Open To Flow (1)
33	21.90	107.13	Shut-In(1)
65	34.48	107.47	End Shut-In(1)
65	19.87	107.47	Open To Flow (2)
95	33.47	107.86	Shut-In(2)
128	44.53	108.22	End Shut-In(2)
130	1790.70	108.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Drig.mud	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Empire Energy E&P LLC
17 Arentzen Blvd.Ste.203
Charlerol Pa.15022
ATTN: Musgrove/ Austin

Krankenbergn#5-19
19-22s-12w Stafford
Job Ticket: 43954 **DST#: 1**
Test Start: 2011.08.10 @ 15:17:03

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	5000 ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.99 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Drig.mud	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
Laboratory Name: Laboratory Location:
Recovery Comments:

