

#### Kansas Corporation Commission Oil & Gas Conservation Division

#### 1061477

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

# WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R 🗌 East 🗌 West
Address 2:	Feet from North / South Line of Section
City:	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Oil         WSW         SWD         SIOW           Gas         D&A         ENHR         SIGW           OG         GSW         Temp. Abd.           CM (Coal Bed Methane)         Cathodic         Other (Core, Expl., etc.):	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: sx cmt.
If Workover/Re-entry: Old Well Info as follows:	
Operator: Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth: Deepening Re-perf. Conv. to ENHR Conv. to SWD Conv. to GSW	Chloride content: ppm Fluid volume: bbls  Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:  Dual Completion Permit #:  SWD Permit #:	Operator Name:
☐ ENHR         Permit #:           ☐ GSW         Permit #:	County: Permit #:
Spud Date or Date Reached TD Completion Date or Recompletion Date	

#### **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:										

Side Two

1061477

Operator Name:				_ Lease N	lame:			Well #:			
Sec Twp	S. R	East	West	County:							
INSTRUCTIONS: Sh time tool open and clo recovery, and flow rate line Logs surveyed. A	osed, flowing and shu es if gas to surface te	t-in pressures, st, along with f	whether sh inal chart(s	nut-in press	ure reach	ed static level,	hydrostatic pres	ssures, bottom h	ole temp	erature, fluid	
Drill Stem Tests Taker (Attach Additional S		Yes	No		Log	y Formation	n (Top), Depth a	nd Datum		Sample	
Samples Sent to Geo	logical Survey	Yes	No		Name			Тор	I	Datum	
Cores Taken Electric Log Run Electric Log Submitte (If no, Submit Copy	d Electronically	Yes Yes Yes	☐ No ☐ No ☐ No								
List All E. Logs Run:											
		Report all	CASING I		New	Used mediate, producti	on, etc.				
Purpose of String	Size Hole Drilled	Size Ca Set (In C	sing	Weigi Lbs. /	ht	Setting Depth	Type of Cement	# Sacks Used	, ,,	and Percent dditives	
		AI	DDITIONAL	CEMENTIN	G / SQUE	EZE RECORD					
Purpose:  Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Co	ement	# Sacks	Used		Type and	Percent Additives			
Shots Per Foot	PERFORATI Specify I	ON RECORD - Footage of Each	Bridge Plugs Interval Perfo	s Set/Type orated			cture, Shot, Cemei mount and Kind of N		d 	Depth	
TUBING RECORD:	Size:	Set At:		Packer At:		Liner Run:					
Date of First, Resumed	Production, SWD or EN		ducing Meth	od:		as Lift C	Yes No	0			
Estimated Production Per 24 Hours		Mcf						Gravity			
DISPOSITIO	ON OF GAS:		M	IETHOD OF	COMPLET	ION:		PRODUCTION INTERVAL:			
Vented Sold	Used on Lease	Open	Hole (Specify)	Perf.	Dually ( (Submit AC		nmingled mit ACO-4)				

Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	HAIR/WAGNER UNIT 1-27
Doc ID	1061477

## All Electric Logs Run

CDL/CNL/ML	
CPI	
BHCS	
Resistivity	
DIL	
Sector Bond/GR/CCL	

Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	HAIR/WAGNER UNIT 1-27
Doc ID	1061477

## Tops

Name	Тор	Datum				
Anhydrite	1700	+689				
Herrington	2481	-92				
Winfield	2532	-143				
Towanda	2613	-224				
Ft Riley	2660	-271				
Wrefold	2787	-398				
Neva	2980	-591				
Red Eagle	3049	-660				
Stotler	3329	-940				
Heebner	3783	-1394				
LKC	3823	-1434				
BKC	4086	-1697				
Pawnee	4185	-1796				
Ft. Scott	4280	-1891				
Cherokee Sh.	4293	-1904				
Cherokee Sand	4299	-1910				
Mississippi Cherty Dolo	4377	-1988				
RTD	4600	-2211				

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/

Sam Brownback, Governor

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

August 15, 2011

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

Re: ACO1 API 15-135-25266-00-00 HAIR/WAGNER UNIT 1-27 SE/4 Sec.27-16S-22W Ness 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

# Mud-Co / Service Mud Inc.

Operato	r	FG H	əli				County	Ness		State	Kansas		Pump	_ 6	_ x	14	х	60	SPM	Casing	Program	8 5/8	<b>"@</b>	315
Well		Hairwa	agner L	Jnit #1.	-27										GPM			8.22	ВРМ					
Contrac	Or	Duke	Drilling		#9		Sec	27	TWP	18S	RNG	22W	D.P.	4.5	in.			203	FT/MIN R.A.					-
Stockpo	nt	Hays,	Kansa			4/2011			_						_				- _FT/MIN R.A.			Total Depth	_	
DATE	DEPTH	WEIGHT		VISC	OSITY	GELS	pН	FILTF	RATIONFILT	RATION AN	LALYSIS		SAND		RET	ORT	L.C.M.	Pump	CUMULATIVE					
	feet	llo/gal	Sec API	PV	Υp	10 sec /	Strip_	mi	Cake	Pres.	а	Ce	%	Solids	Oil	Water		Press.	COST		REMA	RKS AND TREAT	MENT	
			@F	<b>@</b> F		10 min.	Meter_	API	32nds	#/BBL	ppm	ppm		%	%	%		PSI						
6/13	0						·	<u> </u>							<u> </u>			L		RURT				
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6/16 6/17	2717		32				7.0 7.0	N/C N/C	<del> </del>		2,000 70m	860 2,280		5.6 5.1	-	94.4		-		Drlg.				
6/18	3423		63	14	20	17/35	10.5	9.6	1		4,200	60		3.4	<del> </del>	94.9 96.6		-		Drlg.	-	Displaced	@ 22	חמי
6/19	3872		52	12	14	15/44	9.5	12.0	1		6,300	60		7.5	-	92.5		-		Drlg. Drlg.		Displaced	@ 33	92
6/20	4240		47	12	13	8/20	9.5	8.8	1		4,400	10		7.5	<del> </del>	92.5	Tr	-		CTCH				
6/21	4370		53	15	15	10/35	9.0	10.0	1		4,800	20		6.8	<del>                                     </del>	93.2	Tr	-		Drig.		DST #1 @	1311	<b>)</b> '
6/22	4600		57	18	16	10/44	10.0	8.8	1		3,700	10		6.2	ļ <u> </u>	93.8	Tr	-		CFS		DST #2 @	4390	
6/23	4600						4.										$\vdash$	-			1/2 casing.		,	
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<u>.</u>	-										-				-	<del></del>					TOTAL CO	ST		

# BASIC 10244 NE Hwy. 61 P.O. Box 8613 Pratt, Kansas 67124

# FIELD SERVICE TICKET

1718 04403 A

Margania			SERVICES P	hone 620-672-1	1201			DATE	TICKET NO						
DATE OF JOB / _ <u>ź</u>	23//	DI	STRICT KONS	: A S		NEW 📈 🖔	OLD C F	ROD INJ	□ WDW		JSTOMER RDER NO.:				
	_		100210			LEASE HAIT WAGNET UNIT WELL NOT-27									
ADDRESS						COUNTY Ness-27-16-22 STATE KS									
CITY			STATE			SERVICE CREWATTEN, V									
AUTHORIZED B	BY					JOB TYPE:	1/2"	2-57/25	SP.39.	-J A C	Cot Jet will				
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products, and/or su	ipplies inclu	ides all o without t	secute this contract as a f and only those terms a the written consent of an	nd conditions appea officer of Basic Ene	ring on ergy Se	the front and back ervices LP.	of this do	GUMENT, No additional property (WELL OWN)	tional or substitute	CONTE	and/or conditions shall				
REF. NO.		M/	ATERIAL, EQUIPMEN	IT AND SERVICE	ES US	ED	UNIT	QUANTITY	UNIT PRIC	E	\$ AMOUNT				
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FIELD SERVICE ORDER NO.

CLOUD LITHO - Ablere, TX

REPRESENTATIVE

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

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

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

#### FIELD SERVICE TICKET

1718 04404 A

1	PRESSURE PUMPING & WIRELINE	20-072-1201			DATE	TICKET NO	044	<u>03A</u>			
DATE OF JOB ( -	23-11 DISTRICT KANSAS		MEN X W	LD □ F	ROD []INJ	☐ WDW	□ CUST ORDE	OMER ER NO.:			
CUSTOMER F	-GHOIL CO LLC		LEASE HA	10/0	WASNER	Unit	· w	ELL NO.	1-2		
ADDRESS	•		COUNTY Ness 27-16-22 STATE KANSAS								
CITY	STATE	-	SERVICE CREW Allen Keesen Bradle, BriAN								
AUTHORIZED B	Υ		JOB TYPE: 4	1/2"	2.5+ns	- 1.5.	741	CNU			
EQUIPMENT	# HRS EQUIPMENT# HI	RS EQU	IPMENT#	HRS	TRUCK CALL	ED 6-7	DATE 2-11		ME 了り		
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19889-198	842 71/2				RELEASED	6 · 2		PM 2	حېج		
* **	· L				MILES FROM	STATION TO	WELL / (	10-m	/ Les		
products, and/or su	CONTRACT CONDITIONS: (This contra d is authorized to execute this contract as an agent of pplies includes all of and only those terms and conditudes is contract without the written consent of an officer of	of the customer. As tions appearing on t	such, the undersi the front and back	igned agre of this doo	es and acknowle cument. No addit	edges that this co	terms and/	or condition	ns shall		
ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND	SERVICES USE	ED :	UNIT	QUANTITY	E	\$ AMOUN	NT			
CC154	super flush			911	500						
,	<b>*</b>			/			-				
E100	unit milenge Char	5e P	ckyp.	mi	700						
1-101	BUIL Daling Cha	nsp rsp		Tm	2440	•					
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SERVICE REPRESENTATIV	VE all I Were ORE	ABOVE MATER	RIAL AND SERV	- /ICE ECEIVEI	DBY: Ro	oh Rene					
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Customer-	5-1401	1 Co.L	<u></u>	_ease No	•				Date					
Lease / A		A GNEC		Vell# /	- 21	7			6	-23:-	11			
Field Order #	/ Station	Pra H	Ks			Casing	Depth	88	County Ve	5 <i>S</i>		State		
Type Job /		nse ke	۱۲ ک کار	ing		CNW	Formation	4598	,	Legal Des	scription スク・/(	6-72		
PIPI	E DATA	٧ ا	ORATING	v		FLUID (				TMENT R	IT RESUME			
Casing Size /	' Tubing Siz	ze Shots/F	it c	7551	Aci	60/40	Poz	SCAUE	RATE PRE		ISIP C			
Depth 588	Depth	From	То	10.05	Pre	Pad A - ~		Max / C		7	5 Min.			
Volume 3	Volume	From	То		Pac		<u> </u>	Min			10 Min.			
Max Press	Max Press	From	То	120	3 E 7	Super	flush	Avg <			15 <b>M</b> in.			
Well Connection		ol. From	То					HHP Used			Annulus Pr	essure		
Plug Depth	Packer De	epth From	То		Flu	sh Nac	4 mud	Gas Volun			Total Load			
Customer Rep	presentative	•	•	Statio	n Man	alar '	044		Treater /1 //	IN				
Service Units	0	19 889	19842	198	32	19862	, , , , , , , , , , , , , , , , , , ,					*		
Driver Names	werth	Bradle	mitche	/ 4				Jeff						
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		- · · · · · · · · · · · · · · · · · · ·					Pipe	0 45	88	TAgg	ed Bo	Home 459		
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100,9	200	Υ.	ک			5	Pump	5 BB	Ls N2	SPA	cer			
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			a	5/2			MIXY	pun	0 1005	Ks A	A2- 0	3 15 #/gal		
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		<del></del>					Pump	38,	3B/s A	4204	43	BBls mud.		
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Customer.	Koll Co	, 1 L C	_	Lease No.	7	- 0			Date				
Lease	/WAGN		ni+	Well # /	- J	'7	*		6	-2	3-1	/	
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PIPE	DATA	PERFO	DRATIN	G DATA		FLUID	USED				MENT F	RESUME	
Casing Size	' Tubing Size	Shots/Ft		350	Ac	id A	CON B	1-00	RATE P	RES	SS <sub>#</sub> //	ISIP	
Depth 764	Depth	From	То		Pre	e Pad		Max		<u> </u>		5 Min.	
Volume	Volume	From	То		Pa	d		Min				10 Min.	
Max Prèss of	Max Press	From	То		Fra	ac		Avg	-	•		15 Min.	
	n Annulus Vol.	From	То				·	HHP Used				Annulus P	'ressure
Plug Depth	Packer Depth	From	То		Flu	ush / Sp. /	420	Gas Volum				Total Load	1
Customer Rep	resentative L	مرج		Station	Mar	nager 2	0 49		Treater	11	1/00		
Service Units		V. I	19 x 4 .	2 /98	f3/	2101	<b>o</b> ′						
Driver Names		scad 1	Mitch	d/ J/	\ / /a	J Brun	ard t		<u></u>				
Time	Casing Pressure P	Tubing ressure	Bbls. Pu	ımped		Rate	1		S	ervi	e Log		
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10244 NE Hwy. 61 P.O. Box 8613 Pratt, Kansas 67124 Phone 620-672-1201

# FIELD SERVICE TICKET

1718 **04401** A

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			Co. LLC			LEASE HA	IR/u	JAGNER	unit		WELL NO. /-27
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CITY			STATE						ens W		
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ITEM/PRICE REF. NO.		. Ň	MATERIAL, EQUIPMENT	AND SERVIC	ES USE		UNIT	QUANTITY	UNIT PRIC	E	\$ AMOUNT
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# BASIC 10244 NE Hwy. 61 P.O. Box 8613 Pratt, Kansas 67124 Phone 620-672-1201

### FIELD SERVICE TICKET 1718 **04711** A

ADDRESS  COUNTY No. STATE   SERVICE CREW Or   In the feet of the country of the c	PRESSURE PUMPING & WIRELINE	none 020-0/2-1201			DATE	TICKET NO		
ADDRESS  COUNTY No. STATE   SERVICE CREW Or   In the feet of the country of the c	8-8-11 DISTRICT Prat	+	NEW OLD PROD INJ WDW CUSTOMER WELL WELL ORDER NO.:					
ADDRESS  COUNTY	R F. G. HOLL		LEASE H	air /	Wagn	er Un:	+ 1	WELL NO. / . 27
AUTHORIZED BY  EQUIPMENT# HRS EQUIPMENT# HRS EQUIPMENT# HRS TRUCK CALLED  PATE TO THE 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 tor services, m 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 condition become a part of this contract without the written consent of an officer of Basic Energy Services LP.  SIGNED:  SIGNED:  WELL OWNER, OPERATOR, PONTRACTOR OR A SERVICES USED  UNIT QUANTITY UNIT PRICE \$ AMOU  CP 100 Common SK 25  CC125 C-HIP  CC125 CA 33 3 Lb 13  CE340 Common Service Charact SK 100  CE3			COUNTY Ness STATE /CS					
EQUIPMENT# HRS EQUIPMENT# HRS EQUIPMENT# HRS TRUCK CALLED PATE AND	STATE		SERVICE CR	EW (	Orlar Do	mitch.	c// <b>/</b>	ne Casmin
The undersigned is authorized to execute 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, m 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 conditional part of this contract without the written consent of an officer of Basic Energy Services LP.  SIGNED:  SIGNED:  WELL OWNER, OPERATOR, PONTRACTOR OR A CONTRACTOR	ZED BY		JOB TYPE:	6	A C N	1W-58		
START OPERATION  START OPERATION  FINISH OPERATION  MILES FROM STATION TO WELL  OV  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, m 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 condition become a part of this contract without the written consent of an officer of Basic Energy Services LP.  SIGNED:  WELL OWNER, OPERATOR, PONTRACTOR OR A  SIGNED:  WELL OWNER, OPERATOR, PONTRACTOR OR A  SIGNED:  CONTRACTOR OR A  TEMPRICE  REF. NO.  MATERIAL, EQUIPMENT AND SERVICES USED  UNIT QUANTITY  UNIT PRICE  \$ AMOUNT  CONTRACTOR OR A  CONTRACTOR OR A  SIGNED:  C		HRS EQ	UIPMENT#	HRS	TRUCK CAL	LED 3		
START OPERATION  FINISH OPERATION  FINISH OPERATION  FINISH OPERATION  FINISH OPERATION  RELEASED  MILES FROM STATION TO WELL  OO  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, m 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 condition become a part of this contract without the written consent of an officer of Basic Energy Services LP.  SIGNED:  SIGNE				<del> </del>	ARRIVED AT	JOB		
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FIELD SERVICE ORDER NO.

REPRESENTATIVE

CLOUD LITHO - Abiene, TX

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: (WELL OWNER OPERATOR CONTRACTOR OR AGENT)



Customer (	<u> </u>	! \		- ~,	Lease N	0.				Date				' '
Lease /		د . الا ال			Well #	1	7				3	8-1	1	
Field Order	# Station		<b>)</b>	+ +		<u> </u>	Casing	Depth	1	County	ν· 	<u> </u>	:	State 🕢 🥇
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#### DRILL STEM TEST REPORT

F.G. Holl Company, LLC

Hair/Wagner unit 1-27

9431 E. Central STE 100 Wichita, KS 67206

27-18s-22w Ness, KS

Job Ticket: 43871

DST#:1

ATTN: Frank Greenbaum

Test Start: 2011.06.20 @ 17:18:00

#### GENERAL INFORMATION:

Time Tool Opened: 20:46:30

Time Test Ended: 02:27:30

Formation:

Cherokee Sand

Deviated:

No Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole

Tester:

Cody Bloedorn

Unit No:

2389.00 ft (KB)

Reference Bevations:

2376.00 ft (CF)

KB to GR/CF:

13.00 ft

Interval: Total Depth:

Hole Diameter:

Serial #: 6753

Press@RunDepth:

4270.00 ft (KB) To 4312.00 ft (KB) (TVD)

4312.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good

Inside

108.08 psig @

4271.00 ft (KB) End Date:

2011.06.21

Capacity:

8000.00 psig

Start Date: Start Time:

2011.06.20 17:18:05

End Time:

02:27:30

Last Calib.: Time On Btmt

2011.06.21 2011.06.20 @ 20:46:00

Time Off Btnt

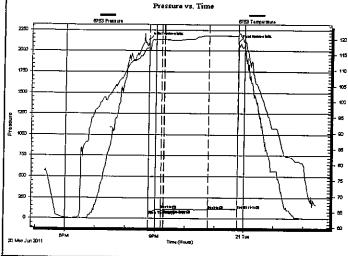
2011.06.20 @ 23:47:00

TEST COMMENT: 30 - IF- 4" blow in 15 Mn, died back to 2 3/4"

60 - ISI- No blow back

30 - FF- No blow back for 26 Min. 1/4" blow

60 - FSI- No blow back



	PRESSURE SUMMARY									
	Time	Pressure	Temp	Annotation						
20	(Min.)	(psig)	(deg F)							
15	0	2138.95	117.30	Initial Hydro-static						
10	1	41.94	116.72	Open To Flow (1)						
5	25	109.05	11 <del>9</del> .75	Shut-In(1)						
0	31	102.50	120.01	End Shut-In(1)						
, d	31	106.24	119.97	Open To Flow (2)						
Terroperature	120	108.08	120.99	Shut-In(2)						
ž	180	111.04	121.00	End Shut-in(2)						
	181	2108.91	121.66	Final Hydro-static						
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	Recovery	
Length (ft)	Description	Volume (bbl)
62.00	5%G, 5%O, 10%W, 80%M	0.30
62.00	20%G, 40%O, 50%M	0.30
62.00	2%O, 98%M	0.30
10.00	2%O, 3%G, 90%M	0.14
	· · · · · · · · · · · · · · · · · · ·	

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



#### DRILL STEM TEST REPORT

F.G. Holl Company, LLC

Hair/Wagner unit 1-27

9431 E Central STE 100

27-18s-22w Ness,KS

Wichita, KS 67206

Job Ticket: 43872

DST#: 2

ATTN: Frank Greenbaum

Test Start: 2011.06.21 @ 12:22:00

#### GENERAL INFORMATION:

Formation:

Mississippi

Deviated: No ft (KB)

Test Type: Conventional Bottom Hole

Whipstock:

Time Tool Opened: 15:02:00 Time Test Ended: 20:18:00

Tester: Unit No: Cody Bloedorn

47

4379.00 ft (KB) To 4390.00 ft (KB) (TVD)

Reference Bevations:

2389.00 ft (KB)

Interval: Total Depth:

4390.00 ft (KB) (TVD)

2376.00 ft (CF)

Hole Diameter:

7.88 inches Hole Condition: Good

KB to GR/CF:

13.00 ft

Serial #: 6753 Press@RunDepth: Inside

40.38 psig @

4380.00 ft (KB)

Capacity:

8000.00 psig

Start Date:

2011.06.21

End Date:

2011.06.21

Last Calib.:

Start Time:

End Time:

Time On Btn:

2011.06.21

12:22:05

20:17:59

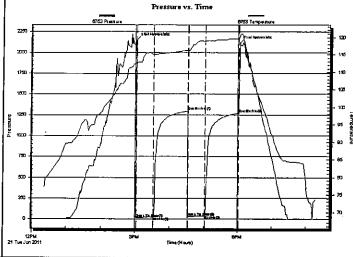
2011.06.21 @ 15:01:30

Time Off Btm:

2011.06.21 @ 18:03:00

TEST COMMENT: 30 - IF- Weak surface blow dying

60 - ISI- No blow back 30 - FF- No blow back 60 - FSI- No blow back



	PRESSURE SUMMARY										
	Time	Pressure	Temp	Annotation							
D	(Mn.)	(psig)	(deg F)								
ő	0	2154.15	112.56	Initial Hydro-static							
0	1	16.18	111.07	Open To Flow (1)							
	31	27.53	115.04	Shut-In(1)							
	90	1297.71	116.36	End Shut-In(1)							
, d	91	30.64	115.93	Open To Flow (2)							
Temperature	120	40.38	119.04	Shut-In(2)							
2	180	1273.08	119.77	End Shut-In(2)							
	182	2116.72	120.58	Final Hydro-static							
		1									
		ĺ									

#### Recovery

Length (ft)	Description	Volume (bbf)
62.00	30%O, 70%M	0.30
10.00	10%M, 90%O	0.05
	"	

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

Trilobite Testing, Inc.

Ref. No: 43872

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