

Kansas Corporation Commission Oil & Gas Conservation Division

1053705

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
Address 2:	Feet from North / South Line of Section
City: State: Zip: +	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	Amount of Surface Pipe Set and Cemented at: Feet
☐ Gas ☐ D&A ☐ ENHR ☐ SIGW	Multiple Stage Cementing Collar Used? Yes No
☐ OG ☐ GSW ☐ Temp. Abd.	If yes, show depth set: Feet
CM (Coal Bed Methane)	If Alternate II completion, cement circulated from:
Cathodic Other (Core, Expl., etc.):	feet depth to:w/sx cmt
If Workover/Re-entry: Old Well Info as follows:	·
Operator:	Drilling Fluid Management Plan
Well Name:	(Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:	Chloride content:ppm Fluid volume: bbls
☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD	Dewatering method used:
Conv. to GSW	
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	Quarter Sec Twp S. R
ENHR Permit #:	County: Permit #:
GSW Permit #:	County remit #
Spud Date or Date Reached TD Completion Date or Recompletion Date 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 Approved by: Date:

Side Two



Operator Name:			Lease	Name:			Well #:		
Sec Twp	S. R	East West	County	/:					
INSTRUCTIONS: Show time tool open and close recovery, and flow rates ine Logs surveyed. Atta	ed, flowing and shut- if gas to surface tes	in pressures, whether t, along with final char	shut-in pres	sure reach	ed static level,	hydrostatic press	sures, bottom h	ole tempe	erature, fluid
Drill Stem Tests Taken (Attach Additional Sh	eets)	Yes No		Log	Formation	n (Top), Depth an	d Datum	□ s	ample
Samples Sent to Geolog	,	☐ Yes ☐ No		Name			Тор	D	atum
Cores Taken Electric Log Run Electric Log Submitted (If no, Submit Copy)		Yes No Yes No							
List All E. Logs Run:									
		CASIN Report all strings se	G RECORD	New	Used	on, etc.			
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Wei	ight	Setting Depth	Type of Cement	# Sacks Used		nd Percent
	Diffied	Set (III O.D.)	LDS.	/ I t.	Берит	Cement	Osed	Ac	luitives
		ADDITION	AL CEMENTI	NG / SQUE	EZE RECORD				
Purpose: —— Perforate —— Protect Casing —— Plug Back TD	Depth Top Bottom	Type of Cement	# Sacks	s Used		Type and F	Percent Additives		
Plug Off Zone									
Shots Per Foot	PERFORATIO Specify Fo	N RECORD - Bridge Plootage of Each Interval P	ugs Set/Type erforated			cture, Shot, Cement nount and Kind of Ma		d	Depth
TUBING RECORD:	Size:	Set At:	Packer A	At:	Liner Run:	Yes No			
Date of First, Resumed Pr	roduction, SWD or ENH	R. Producing Me	ethod:	ng Ga	as Lift	ther (Explain)			
Estimated Production Per 24 Hours	Oil B	bls. Gas	Mcf	Water	Bk	ols. (Gas-Oil Ratio		Gravity
DISPOSITION	N OF GAS:		METHOD OF				PRODUCTIO	ON INTERV	AL:
Vented Sold	Used on Lease	Open Hole	Perf.	Dually C (Submit AC		nmingled mit ACO-4)			
(If vented, Subm	nit ACO-18.)	Other (Specify)							

Form	ACO1 - Well Completion	
Operator	F. G. Holl Company L.L.C.	
Well Name	HETZKE/DIRKS 'A' 1-6	
Doc ID	1053705	

All Electric Logs Run

DIL	
CNL/CDL	
BHCS	
Micro Log	
CPI	

Form	ACO1 - Well Completion	
Operator	F. G. Holl Company L.L.C.	
Well Name	HETZKE/DIRKS 'A' 1-6	
Doc ID	1053705	

Tops

Name	Тор	Datum
Anhydrite	872	+1051
Herrington	1786	+137
Winfield	1838	+85
Towanda	1907	+16
Fort Riley	1940	-17
B/Florence	2048	-125
Kinney LS	2066	-143
Wrefold	2098	-175
Council Grove	2119	-196
Crouse	2158	-235
Neva	2294	-371
Red Eagle	2356	-433
Onaga Shale	2505	-582
Wabaunsee	2530	-607
Stotler	2652	-729
Tarkio	2710	-787
Howard	2850	-927
Severy Shale	2946	-1023
Topeka	2953	-1030
Heebner	3192	-1269
Toronto	3208	-1285
Douglas Shale	3223	-1300
Brown Lime	3282	-1359
Lansing	3292	-1369

Form	ACO1 - Well Completion	
Operator	F. G. Holl Company L.L.C.	
Well Name	HETZKE/DIRKS 'A' 1-6	
Doc ID	1053705	

Tops

Name	Тор	Datum
ВКС	3526	-1603
Arbuckle	3598	-1675
RTD	3829	-1906

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/

Thomas E. Wright, Chairman Ward Loyd, Commissioner Corporation Commission

Sam Brownback, Governor

April 11, 2011

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

Re: ACO1 API 15-009-25518-00-00 HETZKE/DIRKS 'A' 1-6 SW/4 Sec.06-20S-14W

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



F.G.Holf Company L.L.C.

Hetzke-Dirks "A" #1-6

9431 East Central Suite 100 Wichita, Kansas 67206

6-20s-14w Barton

Job Ticket: 16029

DST#: 1

ATTN: ReneHustead

Test Start: 2011.03.17 @ 06:30:00

GENERAL INFORMATION:

Formation:

Herrington-Krider

Deviated:

No

Whipstock:

ft (KB)

Time Tool Opened: 00:00:00 Time Test Ended: 00:00:00

1736.00 ft (KB) To 1796.00 ft (KB) (TVD)

Interval: Total Depth:

1796.00 ft (KB) (TVD)

Hole Diameter:

7.88 inchesHole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Unit No:

Gene Budig

3325-20

Reference Bevations:

1923.00 ft (KB)

1915.00 ft (CF)

KB to GR/CF:

8.00 ft

Serial #: 8525

Press@RunDepth: Start Date:

Start Time:

Outside

143.39 psia @

2011.03,17

06:31:00

1792.61 ft (KB) End Date: End Time:

2011.03.17

10:10:00

Capacity:

5000.00 psia

Last Calib.: Time On Blm:

2011.03.17 @ 07:44:00

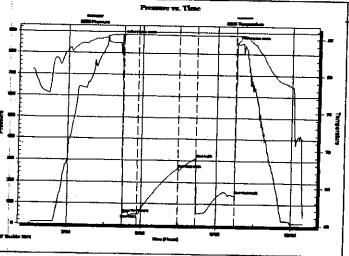
2011.03.17

Time Off Blm:

2011.03.17 @ 09:16:00

TEST COMMENT: 1st Opening 15 Minutes Weak blow for 12 minutes and died

1st Shut-In 30 Minutes no blow back 2nd Opening 15 Minutes-No blow 2nd Shut-in 30 Minutes-No blow back



	<u> </u>	P	RESSU	RE SUMMARY	
	Time	Pressure	Temp	Annotation	·
	(Min.)	(psia)	(deg F)		
	0	874.42	85.53	Initial Hydro-static	
	[1]	55.94	85.34	Open To Flow (1)	
	13	48.86	85.52	Shut-In(1)	
	45	263.05	85.48	End Shut-In(1)	
	60	310.80	85.46	Shut-In(2)	
	91	143.39	85.42	End Shut-in(2)	
3	92	850.35	85.45	Final Hydro-static	
		l			
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		1			
-		- 1			
1					

Description	Volume (bbl)
Drilling mud	0.14

Gas Rates Choic (inches) Pressure (pela)

Gas Rate (Mct/d)

Superior Testers Enterprises LLC

Ref. No: 16029

Printed: 2011.03.25 @ 15:22:21



F.G.Holf Company L.L.C.

Hetzke-Dirks "A" #1-6

9431 East Central Suite 100 Wichita, Kansas 67206

6-20s-14w Barton

Job Ticket: 16030

DST#:2

ATTN: ReneHustead

Test Start: 2011.03.18 @ 06:45:00

GENERAL INFORMATION:

Formation:

Herrington-Winfield

Deviated:

No Whipstock ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 00:00:00 Time Test Ended: 00:00:00

Tester:

Gene Budig

Unit No:

3325-20

Interval:

1798.00 ft (KB) To 1860.00 ft (KB) (TVD)

Reference Bevations:

1923.00 ft (KB)

Total Depth: Hole Diameter: 1860.00 ft (KB) (TVD)

1915.00 ft (CF) 8.00 ft

7.88 inchesHole Condition: Fair

KB to GR/CF:

Serial #: 8524

Press@RunDepth:

Inside

1855.61 ft (KB)

Capacity:

5000.00 psia

Start Date:

519.69 psia @ 2011.03.18

End Date:

2011.03.18

Last Calib.:

2011.03.18

Start Time:

06:46:00

End Time:

12:34:00

Time On Blat.

2011.03.18 @ 07:39:00

2011.03.18 @ 11:33:00

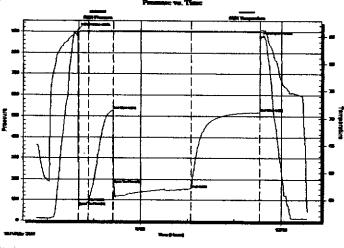
Time Off Btm:

TEST COMMENT: 1st Opening 30 Minutes-Fairf blow built to 5 inches and decreased to a weak blow 60 Minutes-No blow back

1st Shut-In

2nd Opening 90 Minutes-Good blow-Gas to surface in 10 minutes see gas report

2nd Shut-In 90 Minutes-Good blow back



PRESSURE SUMMARY

	}	I RESSURE SCIAINIAN					
•	Time	Pressure	Temp	Annotation			
ı	(Min.)	(psia)	(deg F)				
	0	908.29	85.78	Initial Hydro-static			
ı	1	68.69	85.81	Open To Flow (1)			
	14	89.10	86.01	Shut-In(1)			
	45	527.08	86.04	End Shut-In(1)			
뤃.	46	177.31	86.04	Open To Flow (2)			
-	146	153.74	86.02	Shut-In(2)			
3	234	519.69	86.00	End Shut-In(2)			
	234	869.51	86.02	Final Hydro-static			
- 1	i .	I					

Recovery

Length (ft)	Description	Volume (bbl)
150.00	Muddy water 60%mud 40% water	2.10
120.00	Muddy water 40%Mud 60% water	1.68
0.00	Chlorides 48000	0.00
 		

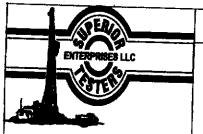
Gas Rates

	Choice (inches)	Pressure (peia)	Gas Rate (Mct/d)
First Gas Rate	0.25	6.75	10.71
Last Gas Rate	0.25	13.60	21.57
Max. Gas Rate	0.25	14.45	22.92

Superior Testers Enterprises LLC

Ref. No: 16030

Printed: 2011.03.25 @ 15:21:39



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

Hetzke-Dirks "A" #1-6

9431 East Central Suite 100 Wichita, Kansas 67206

6-20s-14w Barton

Job Ticket: 16031

DST#: 3

ATTN: ReneHustead

Test Start: 2011.03.19 @ 01:30:00

GENERAL INFORMATION:

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Formation:

Interval:

Total Depth:

Hole Diameter:

Council Grove

Deviated:

No Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Tester:

Gene Budig

Unit No:

3325-20

KB to GRYCF:

Reference Bevations:

1923.00 ft (KB)

1915.00 ft (CF) 8.00 ft

7.88 inchesHole Condition: Fair

2393.00 ft (KB) (TVD)

2356.00 ft (KB) To 2393.00 ft (KB) (TVD)

Serial #: 8524 Press@RunDepth:

inside

798.37 psia @

2389.00 ft (KB)

2011.03.19

Capacity:

5000.00 psia

Start Time:

Start Date:

2011.03.19 01:31:00

End Date: End Time:

05:27:00

Last Calib :

2011.03.19

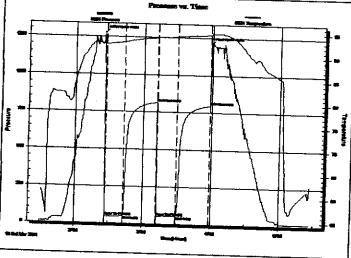
Time On Btm: Time Off Btm:

Pressure

2011.03.19 @ 02:26:00 2011.03.19 @ 03:59:00

TEST COMMENT: 1st Opening 15 Minutes-Weak blow for 1 minute and died

1st Shut-in 30 Minutes-No blow back 2nd Opening 15 Minutes-No blow 2nd Shut-In 30 Minutes-No Blow back



	(Min.)	(psia)	(deg F)	·.
ı	0	1277.45	92.69	Initial Hydro-static
ı	1	46.36	92.53	
ı	17	48.70	92.95	
Į	46	815.41	93.92	
I	47	51.39	93.85	
ļ	64	54.51	94.17	
I	93	798.37	94.61	End Shut-In(2)
i	93	1211.05	94.72	
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PRESSURE SUMMARY

Annotation

Temp

Recovery Longth (R) Description Volume (bbl) 25.00 Drilling Mud 0.35

Gas Rates Choice (inches) Pressure (psia) Gas Rate (Micto)

Superior Testers Enterprises LLC

Ref. No: 16031

Printed: 2011.03.25 @ 15:21:25



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

9431 East Central Suite 100 Wichita Kansas 67206

ATTN: ReneHustead

Hetzke-Dirks "A" #1-6

6-20s-14w Barton

Job Ticket: 16032

DST#:4

Test Start: 2011.03.22 @ 01:15:00

GENERAL INFORMATION:

Formation:

Conglomerate Sand

Deviated:

Whipstock: No

ft (KB)

Time Tool Opened: 00:00:00 Time Test Ended: 00:00:00

Interval:

3500.00 ft (KB) To 3570.00 ft (KB) (TVD)

Inside

Total Depth:

3570.00 ft (KB) (TVD)

Hole Diameter:

7.88 inchesHole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester:

Gene Budig

Unit No:

2225-20

Reference Elevations:

1923.00 ft (KB) 1915.00 ft (CF)

KB to GR/CF:

8.00 ft

Serial #: 26180

Press@RunDepth:

83.10 psia @ 2011.03.22

3565.73 ft (KB) End Date:

2011.03.22

Capacity: Last Calib.: 5000.00 psia

Time On Btm:

2011.03.22

Start Date: Start Time:

01:15:30

End Time:

06:03:00

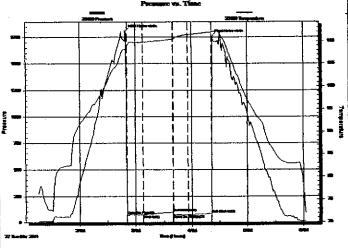
Time Off Btm:

2011.03.22 @ 02:49:00 2011.03.22 @ 04:22:30

TEST COMMENT: 1st Opening 15 Minutes-Weak blow for 13 minutes and died

30 Minutes-no blow back 1st Shut-In

2nd Opening 15 Minutes-No blow 2nd Shut-in 30 Minutes-No blow back



1	PRESSURE SUMMARY				
1	Time	Pressure	Temp	Annotation	
_	(Min.)	(psia)	(deg F)	•	
	0	1806.77	108.24	Initial Hydro-static	
-	2	68.70	108.51	Open To Flow (1)	
_	19	70.80	109.77	Shut-In(1)	
	51	96.64	110.40	End Shut-In(1)	
- 4	52	72.44	110.42	Open To Flow (2)	
n named and	67	74.93	111.42	Shut-in(2)	
- ≨	93	83.10	112.01	End Shut-In(2)	
-	94	1758.20	112.13	Final Hydro-static	
-					
_					
			1		

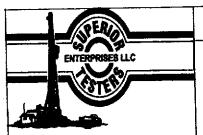
Recovery Length (ft) Description Volume (bbl) 15.00 0.21 **Drilling Mud**

Gas Rates			
	Chole (inches)	Pressure (peia)	Ges Rate (Mct/d)

Superior Testers Enterprises LLC

Ref. No: 16032

Printed: 2011.03.25 @ 15:18:43



F.G.Holt Company L.L.C.

9431 East Central Suite 100 Wichita, Kansas 67206

ATTN: ReneHustead

Hetzke-Dirks "A" #1-6

6-20s-14w Barton

Job Ticket: 16033

DST#: 5

Test Start: 2011.03.22 @ 03:40:00

GENERAL INFORMATION:

Formation:

arbuckle

Deviated:

No Whipstock: ft (KB)

Time Tool Opened: 00:00:00 Time Test Ended: 00:00:00

interval:

3498.00 ft (KB) To 3590.00 ft (KB) (TVD)

Total Depth: Hole Diameter: 3590.00 ft (KB) (TVD)

7.88 inchesHole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester:

Gene Budig

Unit No:

3325-20

Reference Bevations:

1923.00 ft (KB) 1915.00 ft (CF)

KB to GR/CF:

8.00 ft

Serial #: 29636

Press@RunDepth:

Outside

135.74 psia @

3586.75 ft (KB)

2011.03.22

Capacity:

5000.00 psia

Start Date: Start Time:

2011.03.22 03:40:30 End Date: End Time:

08:38:30

Last Calib.:

2011.03.22

Time On Btm: Time Off Btm: 2011.03.22 @ 04:46:29 2011.03.22 @ 07:17:00

TEST COMMENT: 1st Opening 15 Minutes-Weak blow for 13 minutes and died

60 Minutes-No blow back

1st Shut-In 2nd Opening 15 Minutes-Weak blow for 6 minutes and died 2nd Shut-in 60 Minutes-No blow back

T	PRESSURE SUMMARY					
1	Time	Pressure	Temp	Annotation		
1	(Min.)	(psia)	(deg F)			
- 1	0	1807.52	104.61	Initial Hydro-static		
-	2	70.22	105.18	Open To Flow (1)		
	18	75.02	106.66	Shut-in(1)		
-	78	146.61	107.47	End Shut-In(1)		
ᇕ┃	78	75.92	107.49	Open To Flow (2)		
Termentalin	93	90.46	109.07	Shut-In(2)		
5	150	135.74	110.14	End Shut-In(2)		
]	151	1768.53	110.19	Final Hydro-static		
]			
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Recovery

Langth (ft)	Description	Volume (bbi)
25.00	Drilling mud	0.35

Gas Rates

Choke (inches) Pressure (psis) Gas Rate (Mct/d)

Superior Testers Enterprises LLC

Ref. No: 16033

Printed: 2011.03.25 @ 15:18:29



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

9431 East Central Suite 100 Wichita, Kansas 67206

ATTN: ReneHustead

Hetzke-Dirks "A" #1-6

6-20s-14w Barton

Job Ticket: 15787

DST#: 6

Test Start: 2011.03.23 @ 08:45:00

GENERAL INFORMATION:

Time Test Ended: 00:00:00

Formation:

Arbuckle

Deviated: Time Tool Opened: 00:00:00

No Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Tester:

Gene Budig

Unit No:

3325-20

3590.00 ft (KB) To 3600.00 ft (KB) (TVD)

Interval: Total Depth:

3600.00 ft (KB) (TVD)

Hole Diameter:

7.88 inchesHole Condition: Fair

Reference Bevations:

1923.00 ft (KB) 1915.00 ft (CF)

KB to GR/CF:

8.00 ft

Serial #: 26180

Press@RunDepth:

Inside 1500.42 psia @

3596.00 ft (KB)

Capacity:

5000.00 psia

Start Date:

2011.03.23

End Date:

2011.03.23

Last Calib.:

2011.03.23

Start Time:

08:45:30

End Time:

13:58:30

Time On Btm:

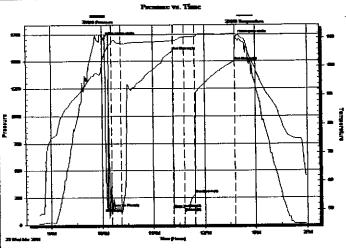
2011.03.23 @ 10:01:00

Time Off Btm:

2011.03.23 @ 12:36:00

TEST COMMENT: 1st Opening 15 Minutes weak blow for 15 minutes

1st Shut-In 60 Minutes-No blow back 2nd Opening 15 Minutes-No blow 2nd Shut-In 60 Minutes-No blow back



١	PRESSURE SUMMARY			
1	Time	Pressure	Temp	Annotation
١	(Min.)	(psia)	(deg F)	
-	0	1710.47	103.19	Initial Hydro-static
-	10	157.50	108.28	Open To Flow (1)
ı	21	151.18	108.08	Shut-in(1)
	82	1598.23	109.03	End Shut-In(1)
₫	83	151.66·	109.05	Open To Flow (2)
Terraperature	96	154.07	110.31	Shut-In(2)
5	108	283.39	110.55	End Shut-In(2)
	155	1500.42	111.45	End Shut-In(3)
	155	1724.21	111.44	Final Hydro-static
		}		
			ļ	
į		}		
,				
				İ

Recovery			
Description	Volume (bbl)		
Drilling mud no shows	3.23		
	Description		

Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d
CHOIC (ELCHO)	1 totals (baiet	C.2 : 11 (/-1-1-1

Superior Testers Enterprises LLC

Ref. No. 15787

Printed: 2011.03.25 @ 15:18:15



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

Hetzke-Dirks "A" #1-6

9431 East Central Suite 100 Wichita, Kansas 67206

6-20s-14w Barton Job Ticket: 15788

DST#: 7

ATTN: ReneHustead

Test Start: 2011.03.23 @ 08:00:00

GENERAL INFORMATION:

Formation:

Arbuckle

Deviated: No

Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 00:00:00 Time Test Ended: 00:00:00

Tester: Gene Budig Unit No: 2225-20

Interval:

3595.00 ft (KB) To 3610.00 ft (KB) (TVD)

Reference Bevations:

1923.00 ft (KB)

Total Depth:

1915.00 ft (CF)

3610.00 ft (KB) (TVD)

KB to GR/CF:

8.00 ft

Hole Diameter:

7.88 inchesHole Condition: Fair

Serial #: 26180 Press@RunDepth:

Inside

165.39 psia @

3616.00 ft (KB)

Capacity:

5000.00 psia

Start Date:

2011.03.24

End Date:

2011.03.24

Last Calib.:

2011.03.24

Start Time:

08:00:30

End Time:

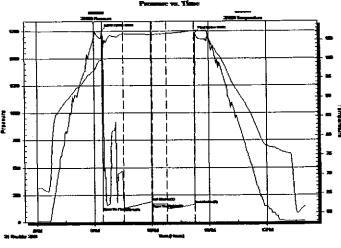
12:39:30

Time On Btm: Time Off Btm: 2011.03.24 @ 10:45:30

2011.03.24 @ 09:08:30

TEST COMMENT: 1st Opening 15 Minutes-weak blow for 15 minutes

1st Shut-In 30 Minutes no blow back 2nd Opening 15 Minutes-No blow 2nd Shut-in 30 Minutes-No blow back



PRESSURE SUMMARY				
t	Time	Pressure	Temp	Annotation
١	(Min.)	(psia)	(deg F)	
ļ	0	1757.50	100.05	Initial Hydro-static
ı	1 1	98.32	100.48	Open To Flow (1)
-	22	133.24	106.50	Shut-In(1)
	51	190.27	106.46	End Shut-In(1)
₫	52	165.36	106.47	Open To Flow (2)
Tampareture	67	169.89	106.60	Shut-In(2)
2	96	165.39	107.39	End Shut-In(2)
	97	1732.55	107.50	Final Hydro-static
	1	ļ		
		İ	ļ	
		l	i	

DDECCLIDE CUMMARY

Recovery				
Length (ft)	Description	Volume (bbl)		
275.00	Drilling mud	3.86		

Gas Ra	162	
 Challe (inches)	Pressure (psia)	Gas Rate (Mict/d)

Superior Testers Enterprises LLC

Ref. No: 15788

Printed: 2011.03.25 @ 15:16:13



F.G.Holi Company L.L.C.

Hetzke-Dirks "A" #1-6

9431 East Central Suite 100 Wichita, Kansas 67206

6-20s-14w Barton

Job Ticket: 15789

DST#: 8

ATTN: ReneHustead

Test Start: 2011.03.24 @ 08:30:00

GENERAL INFORMATION:

Formation:

Arbuckle

Deviated:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 00:00:00 Time Test Ended: 00:00:00

Tester:

Gene Budig

Unit No:

3325-20

Interval:

3610.00 ft (KB) To 3620.00 ft (KB) (TVD)

1923.00 ft (KB)

Total Deoth:

ft (KB) (TVD)

Reference Bevations:

1915.00 ft (CF)

Hole Diameter:

KB to GR/CF:

8.00 ft

Serial #: 29636

Press@RunDepth:

7.88 inchesHole Condition: Fair

Outside

Capacity:

5000.00 psia

Start Date:

961.14 psia @

2011.03.24

End Date:

2011.03.24 Last Calib.:

Start Time:

08:30:30

End Time:

3617.00 ft (KB)

12:30:30

Time On Btm:

2011.03.24

Time Off Btm:

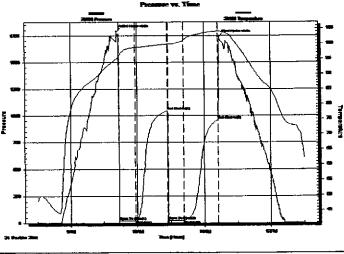
2011.03.24 @ 09:42:00 2011.03.24 @ 11:14:00

TEST COMMENT: 1st Opening 15 Minutes-Weak blow for 8 minutes and died

1st Shut-in- 30 Minutes-No blow back

2nd Opening 15 Minutes-No blow

2nd Shut-In 30 Minutes-No blow back



		PI	RESSUR	E SUMMARY
1	Time	Pressure	Temp	Annotation
- 1	(Min.)	(psia)	(deg F)	
١	0	1789.42	94.96	Initial Hydro-static
	2	21.11	96.13	Open To Flow (1)
	17	25.39	98.75	Shut-In(1)
	45	1044.79	99.90	End Shut-In(1)
3	46	24.04	99.93	Open To Flow (2)
Lighted	60	25.58	101.23	Shut-In(2)
5	91	961.14	104.21	End Shut-In(2)
	92	1740.16	104.25	Final Hydro-static
				•
		<u> </u>		
		<u> </u>		·
		1		

Recovery

Description	Volume (bbl)
Driling Mud	0.14

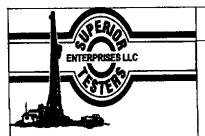
Gas Rates

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

Superior Testers Enterprises LLC

Ref. No: 15789

Printed: 2011.03.25 @ 15:15:59



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

Hetzke-Dirks "A" #1-6

9431 East Central Suite 100 Wichita Kansas 67206

6-20s-14w Barton Job Ticket: 15790

D\$T#: 9

ATTN: ReneHustead

Test Start: 2011.03.25 @ 09:30:00

GENERAL INFORMATION:

Formation:

Arbuckle

Deviated:

No Whipstock: ft (KB)

Test Type:

Conventional Bottom Hole (Initial)

Time Tool Opened: 00:00:00

Tester:

Gene Budig

Time Test Ended: 00:00:00

Unit No:

3325-20

interval:

3620.00 ft (KB) To 3640.00 ft (KB) (TVD)

Reference Bevations:

1923.00 ft (KB)

Total Depth:

3640.00 ft (KB) (TVD)

1915.00 ft (CF)

Hole Diameter:

7.88 inchesHole Condition: Fair

KB to GR/CF:

8.00 ft

Serial #: 26180

Press@RunDepth:

Inside

3636.00 ft (KB)

Capacity:

5000.00 psia

Start Date:

2011.03.25

End Date:

2011.03.25

Last Calib.:

2011.03.25

Start Time:

09:30:30

623.97 psia @

End Time:

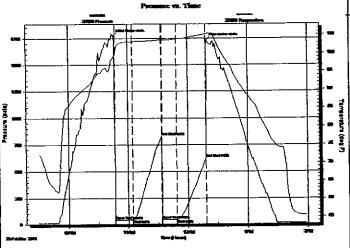
13:58:30

Time On Btm: Time Off Btm: 2011.03.25 @ 10:45:30 2011.03.25 @ 12:19:00

TEST COMMENT: 1st Opening 15 Minutes-Weak blow for 8 minutes and died

1st Shut-in __30_Minutes=No blow back

2nd Opening 15 Minutes-No blow 2nd Shut-In 30 Minutes-No blow back



		PI	RESSUR	E SUMMARY
1	Time	Pressure	Temp	Annotation
	(Min.)	(psia)	(deg F)	
1	0	1772.49	99.00	Initial Hydro-static
	2	40.53	99.59	Open To Flow (1)
	19	41.26	103.27	Shut-h(1)
	48	827.69	103.76	End Shut-In(1)
9	49	41.51	103.77	Open To Flow (2)
THE STATE OF	63	43.51	103.94	Shut-In(2)
Temperature (deg F)	93	623.97	105.28	End Shut-In(2)
3	94	1729.82	105.39	Final Hydro-static
			ĺ	

Recovery Volume (bbl) Description Length (ft) 0.21 15.00 Drilling Mud

Gas Rates Choke (inches) | Pressure (psia) Gas Rate (Mct/d)

Superior Testers Enterprises LLC

Ref. No: 15790

Printed: 2011.03.25 @ 15:15:26

Mud-Co / Service Mud Inc.

Operator	Ā	FG Holl				County	Barton		State	State Kansas	Pump	ص . و	×	4	×	8 09	SPM	Casing Program	8 5/8	.a 862 ft.
Well	ľΫ́	Hetzke Dirks A #1-6	(S A #1-€	()				1919 E	EGL .				GPM				₹			
Contractor		Duke #2				8	9	TWP.	208	RNG	RNG 14W D.P.	4.5	. <u>≓</u> 		•	191 F	191 FT/MINR.A.			(a)
Stockpoint	'	Pratt, Ks.	Date .		3/15/2011	Engineer		Rick H	Hughes		Collar	ar 6.25	,⊊ 	495	≠.	348	348 FT/MIN R.A.		Total Depth	3829' ft.
DATE	DEPTH WE	WEIGHT	NSK	VISCOSITY	SELS	¥	FILTR	ATTORNI,TR	FILTRATIONALTRATION ANALYSIS	LYSIS	SAND	ا		RETORT	LC.M.	Pump	CUMULATIVE			
	feet T	Ib/gal Sec API	\$ E	œ,	10 sec/	Strip _	mt AP	Calce	Pres.	ت ا	* 8	Solids &	₹ 5	Water		Press.	COST	Œ	REMARKS AND TREATMENT	ENT
3/15	0	Ш	4			1						-				- -		RURT		
⊢	862											_				1		WOC	Displace at	Displace at 1700/starch
	1775 8	8.9 59	10	28	22/44	7.0	9.2	2		Н	N/C	2.8		97.2		F		Drlg.	DST #1 @ 1796	1796
3/18		8.9 42	Н	14	16/24	7.0	12.4	2		Н	Hvy	2.3	Ц	97.7				TI w/DST #2	DST #3 @ 2393	2393
3/19		9.8 45	\dashv	56	31/54	7.0	10.4	2		-	Ηχ	8.8		91.2				CFS	Displace at 2584	2584
-				12	13/44	11.0	8.8	1			20	5.0		95.0				Drlg.	DST #4 @ 3570	3570
3/21	3429 9	9.6 45		13	14/76	10.0	12.2	1		5,900	50	8.4		91.6				Drlg.	DST #5 @ 3590	
				11	17/89	10.0	9.2	1		6,500	20	8.1		91.9				CFS	Influx of sa	Influx of salt after DST 5?
_		9.1 44	01 1	10	11/23	11.0	8.6	1	-	5,800	40	5.4		94.6				MOO	causing hic	causing high vis, carrying
_		Ļ	12	6	12/41	11.0	8.0	1		8,100	40	5.6		94.4				9# LSC	rocks to pump and bit	mp and bit
_		8.8 48	6	13	7/32	9.5	8.8	-		8,200	80	3.2		96.8	3			Drig.	Dump and	Dump and add 180 bbls
_													L			r		RDRT	to recondition	on
	_	L														_			DST #6 @ 3600	3600
																·			DST #7 @ 3610	3610
																	ļ .		DST #8 @ 3620	3620
																			DST #9 @ 3640	3640
											_		L					FINAL: Ran 9 DST's, Logs OK, Plugged well	ST's, Logs OK	Plugged well
	H	_	_								:	_								
			_							-								Reserve Pit, Chl content ppm:	content ppm:	0006
																		Estimated Volume.	ne:	800 bbts
																		Offsite reserve pit with steel pits and	oit with steel pits	and
					-						-							centrifugal transfer pump	fer pump	
						Materials		Sacks	ks	Amount		×	Materials		Sa	Sacks	Amount	+		Amount
=	ND-CO/	MUD-CO / SERVICE MUD INC.	MI QOM :	<u>0</u>	C/S HNLLS	LIS			46				•		L	┢				
					CAUST	CAUSTIC SODA	, T		22	ľ			•							
	100 S.	100 S. Main Suite #310	ite #310		DESCO				-	l			•							I
	Wich	Wichita, Ks. 67202	7202		DRILL PAK	λK			80	l			•							
'n	16/264-28	316/264-2814 Fax: 316/264-5024	316/264-5	1024	MIL-GUARD	ARD			7	l			•					Total Mud Cost	1 Cost	1
					PREMIUM GE	JM GEL			445									Trucking Cost	3 Cost	ı
					SALT CLAY	ΙΑΥ			78									Trucking	Trucking Surcharge	1 1
	DRILL	DRILLING MUD RECAP	RECAP		SODA ASH	HS\			24									Taxes		
					DRLG STARCH	TARCH			79											1
					SUPER	FIG			138	.								TOTAL COST	COST	ı



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

FIELD SERVICE TICKET 1718 03633 A

ECEIVED BY Share Substantial (WELL OWNER OPERATOR CONTRACTOR OR AGENT)

*****	PHESSUF	KE PUIVIF	ING & WIRELINE				DATE	TICKET NO		
DATE OF JOB 3 - /	L - 11	D	ISTRICT KANSA	LS	NEW X	NETT :	PROD []INJ	□ WDW [CUSTON	ÆR NO.:
, , , , , , , , , , , , , , , , , , , ,		011	Co. LLC.		LEASE //c	42e	- Dick	۶ ۶	#A/- WEL	L NO.
ADDRESS	•				COUNTY		,	STATE	ANLS.	
CITY			STATE	٠	SERVICE CF	REW/	Werth	Imelso	ببر	
AUTHORIZED E	3Y				JOB TYPE: 8	5/5/1	Surface	•	, e.	nu
EQUIPMENT	Т#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALL		DATE AN	TIME
28443	P.U.	1					ARRIVED AT	<u>3-76</u>	- // 🔊	<u> </u>
33708-2	20920	7					START OPER	3-/6		
19826-198									6-// AN	• >
							FINISH OPER	ATION 7-/	6-11 PN	1 /050
							RELEASED	3-/		1/30
							MILES FROM	STATION TO V	- کک ^{VELL}	mil-s
become a part of the ITEM/PRICE	his contrac	t without	of and only those terms and the written consent of an o	officer of Basic Ener	gy Services LP.	s	SIGNED:(WELL OWNE	R, OPERATOR, C	ONTRACTO	R OR AGENT)
REF. NO.		M	ATERIAL, EQUIPMEN	T AND SERVICES	S USED	UNIT	QUANTITY	UNIT PRICE	\$ A	MOUNT-
101	A.C	0~1	Blend Con	nmon		SK	200			
CP100 "	co	mm	ion			SK	200			
	-	, ,				11	15.5	,		
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CC/09	CAIC	140	Chloride			1 <u>/b</u>	77 2 2	_		
CC 200	Cen	ien	7 (36)			16	376			
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CF 1753	100	11 F	8-5/01 131	, <u>, , , , , , , , , , , , , , , , , , </u>	7.2/0	5A				
	<u>C</u>									
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E1/3	Bul	K/	Defivers "	Chaise		In	1034			
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CE 504	Plu	<u>ډ </u>	ontainer	Ut. Lizz	tion chis	Job				
5003	509	ي زر	e Superui	sorfirst	Shrs on Luc	. <i>EA</i>	/			
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CHI	EMICAL /	ACID DAT	^A:	-	Ŧ			SUB TOT	AL	
] [SERVICE & EQUIP	MENT	%TAX	ON \$		
	-			-	MATERIALS	-	%TAX			
							· .	тот	AL	
					9			DUS		

THE ABOVE MATERIAL AND SERVICE

ORDERED BY CUSTOMER AND RECEIVED BY

FIELD SERVICE ORDER NO.

SERVICE

REPRESENTATIVE



TREATMENT REPORT

Lease et 2e - Dirks Well # Al - 6 Field Order # A Station A # S Casing Depth County / 0 ru Stator A	Customer	, ,			 	Lease N	Ω				Date			
Fined Order & A Station of the Country of the Count	<u> </u>	- 140	<u>//</u>			i								
PIPE DATA PERFORATING DATA PIPE DATA PERFORATING DATA PENDING Size Tubing Treatment RESUME TREATMENT RESUME TREATMENT RESUME TREATMENT RESUME TREATMENT RESUME TREATMENT RESUME THE PRESSYLY TIPE TUBING TO Max Min 10 Min 10 Min 10 Min 10 Min 10 Min Min 10 Min 10 Min To Min To Min To Min To Min To Min Treatment To Min To Min To Min Tubing To Min Treatment Tubing To Min Tubing Treatment Tubing Treatment Tubing Treatment Tubing Tubing Treatment Tubing Tu	110+	2e- L	<u>/:/</u>	<u> </u>		/	'\ 	Casing	Denth	1			1 /	State
PIPE DATA PERFORATING DATA FLUID USED TREATMENT RESUME Casing Size Tubig Syrs, Shots/Ft 180 Agys, 60/40 Paz, 48ATE, PRESS/4 MISSE, F. 0 13.8 Daph Daph Daph From To Pre Pad Min 10 Min Max Press From To Prom To Prom To Prom To Prom To From T		A	U_	A +/	15			Caomy	1		13A7 10	✓ Lenal De	escription	I KANSAS
Casing Size Tubing Syrs, Shots/Ft 180 Acty 60/40 Paz 45/6 PEESS/4 HSp. F. 0/3.8 Depin Depth From To Pre Pad Max V 5 Mm. Volume Volume From To Pad Min 10 Mm. MAX Press Max Press From To Frac Avg 15 Min. Well Connection Annulus Vol. From To Frac Avg 15 Min. Well Connection Annulus Vol. From To Flush Gas Volume Total Load Customer Representative Arm Dr. 15 er Station Manager Co Hy Sentee Units 2 x 4 x 3 2 7 x 3 x 5 x 0 x 0 x 0 x 1 x 1 x 1 x 1 x 1 x 1 x 1	Type-3000P+	M			···			NW	775	3829		6-	20-19	
Depth Depth From To Pré Pad Max / SMM. Volume Volume From To Pad Min 10 Min. Max Press Max Press From To Frac Avg 15 Min. Well Connection Annulus Vol. From To From To HHP Used Annulus Pressure Plug Depth Packer Depth From To Flush Gas Volume Total Load Customer Representation Annulus Vol. From To Flush Gas Volume Treater Allow Service Units 2 x 4 x 3 3 x 3 x 3 x 2 x 2 x 2 x 2 x 4 x 4 x 4 x 4 x 4 x 4	PIPE	DATA		PERF	FORATI	NG DATA	۱	FLUID (JSED		TREA	TMENT	RESUME	
Depth Depth From To Pré Pad Max / SMM. Volume Volume From To Pad Min 10 Min. Max Press Max Press From To Frac Avg 15 Min. Well Connection Annulus Vol. From To From To HHP Used Annulus Pressure Plug Depth Packer Depth From To Flush Gas Volume Total Load Customer Representation Annulus Vol. From To Flush Gas Volume Treater Allow Service Units 2 x 4 x 3 3 x 3 x 3 x 2 x 2 x 2 x 2 x 4 x 4 x 4 x 4 x 4 x 4	Casing Size	Tubing Si	2	Shots/F	it	/5	ک م	idks 60	140 P	7.4	RATE PRE	88 _{1/47}	451P. /	T. 0 13.87
Volume Volume From To Pad Min 10 Min. Max Press From To Frac Ang 15 Min. Max Press From To Frac Ang 15 Min. Well Connection Annulus Vol. From To Flush Gas Volume Total Load Customer Representation Annulus Vol. From To Flush Gas Volume Total Load Customer Representation Annulus Pressure Service Units 25 4 43 23704 30520 19860 198	Depth	_	~	From	1	•			/ - - 	Max	79	/		
Max Press Max Pr	Volume	Volume			Т	ō	Pa	d		Min			10 Min.	
Well Connection Annulus Vol. From To Flush Gas Volume Treater Annulus Pressure Plug Depth Packer Depth From To Flush Gas Volume Total Load Customer Representation of the Arm Oxister Station Manager Coffy Service Units 75 443 33708 20 520 19826 19860 Service Units 75 443 33708 20 520 19826 19860 Service Units 75 443 33708 20 520 19826 19860 Service Units 75 443 33708 20 520 19826 19860 There Passure Pressure Biblis Pumped Rate Service Log Duke 42 1830 Am. Service Log Duke 42 Service Log Duke 42 Oxfor Ascure Safety Service Hands Service Log Duke 42 Oxfor Ascure Safety Service Log Duke 42 In 1830 Am. Service Log Duke 42 Oxfor Ascure Safety Service Log Duke 42 In 1830 Am. Service Log Duke 42 Oxfor Ascure Safety Service Log Duke 42 In 1830 Am. Service Log Duke 42 Oxfor Ascure Safety Service Log Duke 42 In 1830 Am. Service Log Duke 42 Oxfor Ascure Safety Service Log Duke 42 In 1840 Am. Service Log	Max Press	Max Press	s				Fra	ac		Avg		1 1 10	15 Min.	
Pilg Depth Packer Depth From To Flush Gase Volume Total Load Customer Representation Arm Drister Station Managers coffy Treater Allen Service Units 2 x y 43 33708 20520 19826 19860 Driver Warth Toe Melson M.K. McGurr Remose Warth Toe Melson M.K. McGurr Time Pressure Tubing Bibs. Pumped Rate Service Log Duke 42 1830 MM. Pressure Bibs. Pumped Pate ON Loc. A scuce Safety Set up Plan So Survice Log Duke 42 Mix y Pump 205 Ks 60/40 Po 213. Mix y Pump 3 Bbbs H 20 Boh ind can't Dispus 19 Boh ind can't 1900 1910 1911 Prill Ripe 1910 3 4 3cd Plus 200 pump 3 Bbbs H 20 1911 Prill Prill Ripe 400 3 4 3cd Plus 260 pump 3 Bbbs H 20 1911 Prill Prill Ripe 400 3 4 3cd Plus 260 pump 3 Bbbs H 20 1911 Prill Prill Ripe 415 415 416 417 418 418 418 418 419 419 411 Prill Prill Ripe 515 517 517 518 519 519 510 510 510 510 510 510	Well Connection	Annulus V	ol.							HHP Used	1		Annulus F	Pressure
Customer Representation A/m Drister Station Managers Cotty Service Units 2443 33708 20720 19826 19860 Service Units 2443 33708 20720 19826 19860 Driver Mannes Worth Joe Melson M. Ke McGure 1230 Am Tubing Trubing Pressure Bbis. Pumped Rate Service Log Pluke 42 1230 Am Tubing Trubing Pressure Bbis. Pumped Rate Service Log Pluke 42 1230 Am Tubing Trubing Pressure Bbis. Pumped Rate Service Log Pluke 42 1245 Sharp Robbis H 20 Schind Cont 144 District Plus 357 125 Sharp Robbis H 20 Schind Cont 144 District Plus 357 126 Sharp Robbis H 20 Schind Cont 144 Drill Pre 200 pump 15 KBGS H 20 1272 Sharp Robbis H 20 pump 15 KBGS H 20 1272 Sharp Robbis H 20 pump 25 KBGS H 20 1273 Sharp Robbis H 20 pump 25 KBGS H 20 1274 Sharp Robbis H 20 pump 25 KBGS H 20 1275 Sharp Robbis H 20 pump 25 KBGS H 20 1275 Sharp Robbis H 20 pump 25 KBGS H 20 1275 Sharp Robbis H 20 pump 25 KBGS H 20 1275 Sharp Robbis H 20	Plug Depth	Packer De	epth			<u> </u>				Gas Volur	ne		Total Load	
Service Units 25.443 33708 20.920 19826 19860 1 Diver MAH. To e Melson M. Ke McCourre Time Pressure Blis. Pumped Rate Service Log Duke 12 1830 Am. ONLOW. A. SCHUE SARCH, Set up Plan So 145 5 Pump 20 6616 H20 15+ Plan 25 S MIX 1 PUmp 205Ks 60/40 POZIS. 3 Pump 3664 H20 Bohind cmt 44 Disp W144 Bbls MUD Pull Drill Ripe 32 Sud Plus 900° pump 15 6615 N20 34 Tump 36815 N20 34 Tump 36815 N20 34 Tump 36815 N20 34 Tump 36815 N20 400 3 4 Toll Drill Ripe 400 3 4 Toll Drill Ripe 400 3 4 Toll Drill Ripe 515 7 2/2 4 Mix 4 Pump 505Ks 60/40 poz a 138 Full Drill Pipe 515 7 2/2 4 Harling 40 To surface 10 sts 520 Ret Hole 305Ks 60/40 poz 13.84 Washup 4 Rackup Lagrip. 630 Mouse Hole 155Ks 60/40 13.84 Washup 4 Rackup Lagrip.	Customer Repre	esentative		A		Stati	on Mar	nager	11 .,	<u> </u>	Treater	11/00	,	,
Diver west Joe melson m Ke mclivier Time Pressure Pressure Bbls. Pumped Rate Service Log Duke N2 1830 Am. 145 5 fump 20 BBls. H20 15+ 8 lu 357 5 mix + pump 20 SKs 60/40 802 13. 145 100 1145 100 1145 100 1145 100 100			,						7		1			
Time Pressure Pressure Bbls. Pumped Rate Service Log Duke #2 1830 AM ONLOW DISCUSS SACRY SETUP Plan SO 145 SERVICE LOG DUKE #2 ONLOW DISCUSS SACRY SETUP Plan SO 145 SERVICE LOG DUKE #2 145 SERVICE LOG DUKE #2 ONLOW DISCUSS SACRY SETUP Plan SO SERVICE LOG DUKE #2 INTERPOLITION SETUP PLAN SO PUMP 30 BBLS H30 IST BBLS MUD PUMP 30 BBLS H20 PUMP 30 BBLS MUD PUMP 30 BBLS MUD PUMP 30 BBLS MUD 12/2 SERVICE LOG DUMP 30 BBLS M20 PUMP Driver	Α .		_				_							
1830 Am. 145 5 Pump 20 BBIS H20, 15t Plu 357 5 MIX 1 Pump 205KS 60/40 POZIS. 3 Pump 3BBIS H20 Bohindont 144 159 W/4 BBIS MUD 150 320 15 5 ZNDP Pus 900° pump 15 BBIS N20 12/2 5 MIX + Pump 505KS 60/40 POZE 138 3 5 Pump 3 BBIS N20 400 3 4 3rd Plus 260° pump 3BBIS H20 12/2 4 MIX + Pump 505KS 60/40 POZE 138 2 4 Pump 2 BBIS N20 12/2 4 MIX + Pump 505KS 60/40 POZE 138 415 2 4 Pump 2 BBIS N20 415 517 2/2 4th Plus 40 To surface 10 Sts 820 8AH Pole 305K 60/40 POZ 138 H 530 Mouse Hole 155KS 60/40 138 H Washup 4 Rackup Lquip. 630 Tole Complete.	4.7	Casing	T	ubing						La.	Serv	ice Loa	Duke	, H2
145 5 Cump 20 bbls N26 15+ Plu 357 5 Mix 1 Pump 205Ks 60/40 POZIS. 3 Pump 3BBL H20 Behindent 144 Disp w/ 44 Bbls MVO 200 Pull Prill Ripe 330 15 S ZNOPPLE GOO PUMP 15 BBLS N20 12/2 5 mix + Pump 505Ks 60/40 POZE 138 3 S Pump 3 BBLS N20 3 4 3 rol Plus 260 pump 3BBLS N20 12/2 4 mix x pump 505Ks 60/40 poze 138 2 4 pump 2 BBLS N20 415 2/2 4 mix x pump 505Ks 60/40 poze 138 515 2/2 4 h Plus 40 To Surface 10 sts 520 Ret Hole 305Ks 60/40 POZ 138 K 530 Mouse Hole 155Ks 60/40 POZ 138 K Mouse Hole 155Ks 60/40 POZ 138 K Mouse Hole 155Ks 60/40 POZ 138 K Mouse Hole 155Ks 60/40 POZ 138 K Mouse Hole 155Ks 60/40 POZ 138 K Mouse Hole 155Ks 60/40 POZ 138 K Mouse Hole 155Ks 60/40 POZ 138 K Mouse Hole 155Ks 60/40 POZ 138 K Mouse Hole 155Ks 60/40 POZ 138 K Mouse Phole 155Ks 60/40 POZ 138 K			<u> </u>	essure	00.0.1	ипрос			00//00	0.0	C	a Codi		
3 Pump 3BB s H.20 Bohindomt 144 Qisp w/ 44 Bb s MVO 100 Rull Prill Ripe 330 15 S 2Nd Plus 900° pump 15 BBls N20 13/2 S mix + Rump 505Ks 60/40fore 138 3 S Pump 3 BBls N 20 345 Rull Orill Ripe 400 3 4 3rd Plus 260° pump 3BBIS H20 13/2 4 mix + pump 505Ks 60/40fore 138 2 4 pump 2 BBIS H20 415 Rull Orill Pipe 515 J/2 4 H flus 40° To surface 10 sts 520 Ret Hole 305Ks 60/40 poz 138 K 530 Mouse Hole 155Ks 60/40 138 K 530 Mouse Hole 155Ks 60/40 138 K 630 Longlete								<u> </u>	Parent	D. 70	163/c	· Nato	/ , ' , '	/ 21
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10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • (620) 672-1201 - Fax (620) 672-5383		<u></u>)		(000)	270 5000



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

FIELD SERVICE TICKET 1718 03643 A

Phone 620-672-1201

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FIELD SERVICE ORDER NO.

WELLSITE GEOLOGIST'S REPORT

J. R. Hustead Consulting Geologist



Scale 1:240 (5"=100") Imperial

Well Name: HETZKE/DIRKS "A' NO. 1-6

Location: SEC 6-T20S-R14W

Licence Number: 15-009-25,518-0000 Region: BARTON
Spud Date: MARCH 15-2011 Drilling Completed: MARCH 26-2011

Spud Date: MARCH 15-2011 Surface Coordinates: 150' N. OF W/2 W/2 SW

Surface Cooldinates. 100 N. Of 102 102 Of

Bottom Hole Coordinates: Vertical Hole

Ground Elevation (ft): 1915' K.B. Elevation (ft): 1923' Logged Interval (ft): 1650' To: 3829' Total Depth (ft): 3829'

Formation: LANSING/KC, ARBUCKLE

Type of Drilling Fluid: Starch, Chemical Premix (Displaced)

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR:

Company: F.G. HOLL COMPANY LLC
Address: 9431 E. CENTRAL STE 100

WICHITA, KANSAS 67206-2563

DRILLING CONTRACTOR:

Duke Drilling Company, Rig #2

Drill Pipe 4.5 X H; DRILL COLLARS 6.25 x 2.25, 496' BHA

BIT #2: 7-7/8" JZ QX20 (3-16);WOB: 32-36; RPM 60-65;KELLY BUSHING 8' ABOVE GROUND

LEVEL-MIRT-MARCH 15-2011

CIRCULATION SYSTEM:

MUD-PUMP: EWCO-14W-400, DUPLEX, 6.0 x 14, 60 SPM, 266GPM (85%); SPP: 600 PSI; EARTH PITS; MUD-CO/

SERVICE MUD, INC.;RICK HUGHES

GAS DETECTION SYSTEM:

MBC WELL LOGGING AND LEASING

ANALOG HOTWIRE AND CHROMATOGRAPH

OPEN HOLE LOGS:

DN (PE), DI (SP), ML: Sonic; . LogTech, Hays, KS, K Bange. Log total depth (3829') matched rotary depth.

COMPLETION:

ABANDONED

WELLSITE GEOLOGIST:

Rene Hustead 600 N. WINWOOD ST GARDNER, KS 66030 (913) 908-3390

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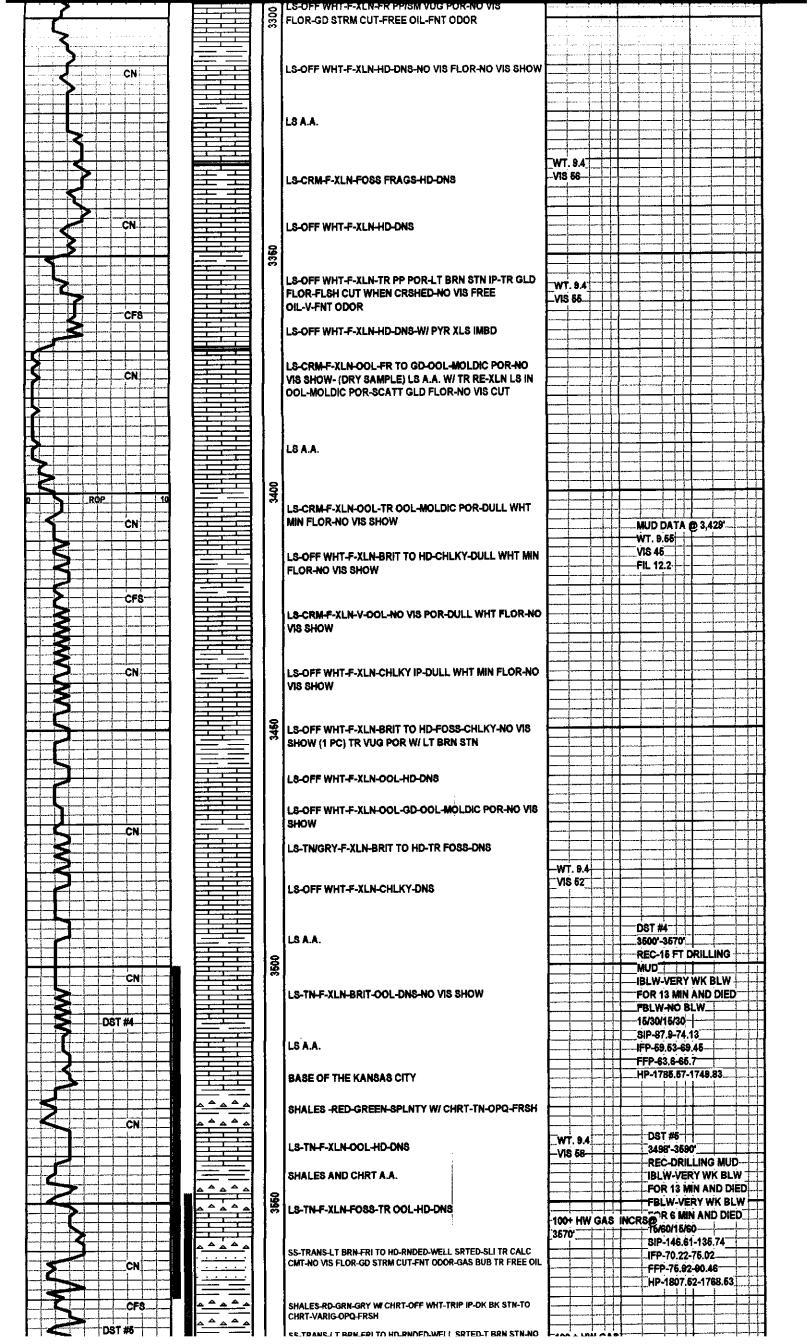
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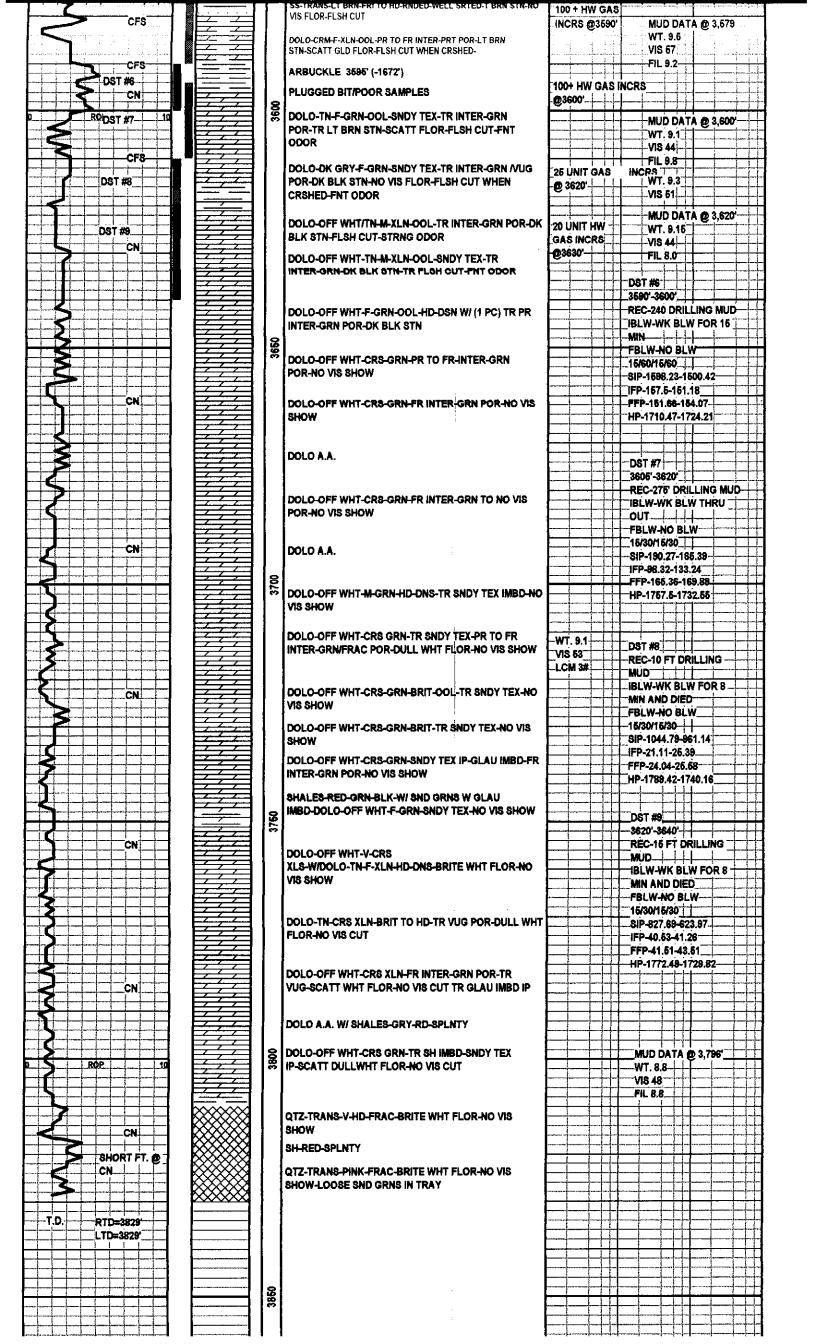
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