

Confidentiality Requested:

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1208725

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 #	API No. 15
Name:	Spot Description:
Address 1:	S. R East West
Address 2:	Feet from Dorth / South Line of Section
City: State: Zip:	+ Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	
Name:	(e.g. xx.xxxx) (e.gxxx.xxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Wo	Field Name:
	Producing Formation:
	SIOW Elevation: Ground: Kelly Bushing:
	SIGW Total Vertical Depth: Plug Back Total Depth:
OG GSW CM (Coal Bed Methane)	Temp. Abd. Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	
Well Name:	
Original Comp. Date: Original Total Dep	
Deepening Re-perf. Conv. to ENHR	
	Conv. to SWD Drilling Fluid Management Plan Conv. to Producer (Data must be collected from the Reserve Pit)
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls
Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	
ENHR Permit #:	
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Comp	Quarter Sec TwpS. R East West
· · · · · · · · · · · · · · · · · · ·	mpletion Date 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:						

	Page Two	1208725		
Operator Name:	_ Lease Name:	Well #:		
Sec TwpS. R East West	County:			
INCTDUCTIONS: Chave important tang of formations panetrated. De	tail all aaroa Bapart all final	anning of drill stome tools giving interval tooled, time tool		

Depth

Gravity

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 Yes No (Attach Additional Sheets)				og Formatic	on (Top), Depth an	d Datum	Sample
Samples Sent to Geolog	gical Survey	Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		CASING Report all strings set-o	RECORD Ne		on, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.			Type and Percent Additives	
		ADDITIONAL	CEMENTING / SQU	JEEZE RECORD			
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used		Type and Pe	ercent Additives	
Protect Casing							
Plug Off Zone							
Did you perform a hydraulic	fracturing treatment of	on this well?		Yes	No (If No, skip	o questions 2 an	d 3)
		raulic fracturing treatment ex				o question 3)	

Per 24 Hours

Vas the hydraulic fractu	uring treatn	nent inform	ation submitted	I to the chemica	al disclosure re	egistry?	Yes	No	(If No, fill out Page Three of	the ACO-1)
			D - Bridge Plugs Set/Type Each Interval Perforated			Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)				
TUBING RECORD:	Size	e:	Set At:		Packer A	.t:	Liner Run:	Yes	No	
Date of First, Resumed	d Productio	on, SWD oi	r ENHR.	Producing Me	ethod:	ig	Gas Lift	Other (Ex	plain)	
Estimated Production		Oil	Bbls.	Gas	Mcf	Wat	er	Bbls.	Gas-Oil Ratio	G

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
Vented Sold Used on Lease	Open Hole Perf. Dually Comp. Commingled (Submit ACO-5) (Submit ACO-4)	
(If vented, Submit ACO-18.)	Other (Specify)	

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion		
Operator	Shelby Resources LLC		
Well Name	Nancy 3-17		
Doc ID	1208725		

All Electric Logs Run

Dual Induction
Compensated Nuetron
Micro
Sonic
Segmented Bond

Form	ACO1 - Well Completion		
Operator	Shelby Resources LLC		
Well Name	Nancy 3-17		
Doc ID	1208725		

Tops

Name	Тор	Datum
HEEBNER SHALE	3129	-1151
LKC	3219	-1241
MUNCIE CREEK	3344	-1366
STARK SHALE	3402	-1424
ВКС	3428	-1450
RE-WORKED ARB	3436	-1458
ARBUCKLE	3455	-1477
LTD	3528	-1550

Form	ACO1 - Well Completion	
Operator	Shelby Resources LLC	
Well Name	Nancy 3-17	
Doc ID	1208725	

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
Surface	12.25	8.625	23	944	60/40 Poz	2% gel, 3% cc
Production	7.875	5.5	14	3511	60/40 - AA2	2% gel, 3% cc



Prepared For: She

Shelby Resources LLC

2717 Canal Boulevard Suite C Hays, Kansas 67601

ATTN: Jeremy Schwartz

Nancy 3-17

17/17S/13W/Barton

Start Date:	2014.05.06	@ 21:37:00	
End Date:	2014.05.07	@ 04:43:30	
Job Ticket #:	18253	DST #:	1

REAL	DRILL STEM TES	TREP	ORT			
	Shelby Resources LLC		17/17	7S/13V	V/Barton	
	2717 Canal Boulevard		Nano	су 3-17	,	
	Suite C Hays, Kansas 67601		Job T	icket: 18	3253	DST#:1
	ATTN: Jeremy Schwartz		Test S	Start: 20)14.05.06 @	21:37:00
GENERAL INFORMATION:						
Formation:Lansing/Kansas CiDeviated:NoWhipstock:Time Tool Opened:23:37:30Time Test Ended:04:43:30	ty ft (KB)		Test∃ Teste Unit N	r:	Conventiona Ken Sw inne 3325 Great B	
Interval:3213.00 ft (KB) To32Total Depth:3260.00 ft (KB) (THole Diameter:7.80 inches Hole			Refer		evations: to GR/CF:	1978.00 ft (KB) 1965.00 ft (CF) 13.00 ft
1ST Shut In 2ND Open	 ft (KB) End Date: End Time: 15 Minutes/Good blow /Blow built to 45 Minutes/No blow back 60 Minutes/Strong blow /Blow built to 1/4 the 	o bottom of b	ucket in 30 se	:m: 2 tm: 2 utes	2014.05.06 (2014.05.07 (@ 03:08:00
Pressure vs. 7	líme		PRI	ESSUF	RESUMM	ARY
000 Prosure 100 P	6768 Temperature 19 10 10 10 10 10 10 10 10 10 10	Time (Min.) 0 2 16 62 63 121 211 211 212		Temp (deg F) 107.69 107.23 106.83 107.35 107.18 107.44 107.91 108.10	Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir	o-static low (1) n(1) low (2) n(2)
Recovery	1				s Rates	I
Length (ft) Description 120.00 Oily Mud/Oil 20% Mud 80	Volume (bbl) 0% 0.59			Choke (i	inches) Pressu	re (psig) Gas Rate (Mcf/d)
0.00 180 feet of gas in pipe	0.00					
Superior Testers Enterprises LLC	Ref. No: 18253				2014.05.07	

HT		Shelby Resources LLC				17S/13V	V/Barton	
EN1		-						
	STER	2717 Canal Boulevard Suite C				ncy 3-17		
		Hays, Kansas 67601				Ticket: 18		DST#:1
		ATTN: Jeremy Schwartz	Z		Tes	t Start: 20)14.05.06 @	21:37:00
GENERAL I	NFORMATION:							
Formation:	Lansing/Kansas Cit	•			т	4 T	0	
	No Whipstock: ned: 23:37:30 ed: 04:43:30	ft (KB)			Tes	ter: I	Ken Swinne 3325 Great I	-
n terval: Total Depth:	3213.00 ft (KB) To 32 3260.00 ft (KB) (TV				Ref	erence Ele	evations: o GR/CF:	1978.00 ft (KB) 1965.00 ft (CF)
Hole Diameter:	7.80 inches Hole	e Condition: Fair				KB t	0 GR/CF:	13.00 ft
Serial #: 8					0			5000 00 m
Press@RunDe Start Date:	epth: 791.11 psig 2014.05.06	@ 3257.00 ft (KB) End Date:		2014.05.07	Capacity Last Cali			5000.00 psig 2014.05.07
Start Time:	21:37:00	End Time:		04:43:00	Time On Time Off	Btm: 2	2014.05.06 (2014.05.07 (@ 23:35:30
	2ND Shut In 9	0 Minutes/Blow back built to			ucket in 30 s minutes			
	2ND Shut In 9 Pressure vs. T			en died in 15 i	minutes Pl	RESSUF	RESUMM	ARY
1270	Pressure vs. T	ime		n died in 15 Time (Min.) 0 2 16	minutes Pl Pressure (psig) 1595.54 50.30 62.72	RESSUF Temp (deg F) 107.89 107.84 107.77	RE SUMM/ Annotatio Initial Hydro Open To Fl Shut-In(1)	ARY on o-static low (1)
1220	Pressure vs. T	ime	0 1/4 the	rn died in 15 Time (Min.) 0 2 16 62 62 121	Pi Pressure (psig) 1595.54 50.30 62.72 769.77 60.69 98.22	RESSUR Temp (deg F) 107.89 107.84 107.77 108.13 107.93 108.12	E SUMM Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2)	ARY on o-static low (1) n(1) low (2)
	Pressure vs. T	ime	0 1/4 the	n died in 15 Time (Min.) 0 2 16 62 62	Pi Pressure (psig) 1595.54 50.30 62.72 769.77 60.69	RESSUR Temp (deg F) 107.89 107.84 107.77 108.13 107.93	E SUMM Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl	ARY on o-static low (1) n(1) low (2) n(2)
1239 779 500 239 0	Pressure vs. T	ime	0 1/4 the 1 100 1 100	Time (Min.) 0 2 16 62 62 121 211	Pl Pressure (psig) 1595.54 50.30 62.72 769.77 60.69 98.22 791.11	RESSUF Temp (deg F) 107.89 107.84 107.77 108.13 107.93 108.12 108.61	E SUMM Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir	ARY on o-static low (1) n(1) low (2) n(2)
1279 1000 1	Pressure vs. T	SIDE 503 Tempenkee Failure state Failure state	0 1/4 the 1 100 1 100	Time (Min.) 0 2 16 62 62 121 211	Pl Pressure (psig) 1595.54 50.30 62.72 769.77 60.69 98.22 791.11	RESSUF Temp (deg F) 107.89 107.84 107.77 108.13 107.93 108.12 108.61 108.83	E SUMM Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir	ARY on o-static low (1) n(1) low (2) n(2)
1279 1000 779 500 279 0 2 279 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Pressure vs. T	Sinc 533 Terponkre 533 Terponkre 534 Terponkre 535 Terponkre	0 1/4 the 1 100 1 100	Time (Min.) 0 2 16 62 62 121 211	Pl Pressure (psig) 1595.54 50.30 62.72 769.77 60.69 98.22 791.11	RESSUF Temp (deg F) 107.89 107.84 107.77 108.13 107.93 108.12 108.61 108.83	E SUMM/ Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir Final Hydro	ARY on o-static low (1) n(1) low (2) n(2)
rza 1000 700 200 200 2014 Length (ft) 120.00	Pressure vs. T #00 Pressure #00 Pressure	Sime Sist Temperature Biss Temperature Image: Sist Temperature Image: Sist Temperature	0 1/4 the 1 100 1 100	Time (Min.) 0 2 16 62 62 121 211	Pl Pressure (psig) 1595.54 50.30 62.72 769.77 60.69 98.22 791.11	RESSUF Temp (deg F) 107.89 107.84 107.77 108.13 107.93 108.12 108.61 108.83	E SUMM/ Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir Final Hydro	ARY on o-static low (1) n(1) low (2) n(2) o-static
1220 1000 770 500 2230 0 2244	Pressure vs. T	Sinc 533 Terponkre 533 Terponkre 534 Terponkre 535 Terponkre	0 1/4 the 1 100 1 100	Time (Min.) 0 2 16 62 62 121 211	Pl Pressure (psig) 1595.54 50.30 62.72 769.77 60.69 98.22 791.11	RESSUF Temp (deg F) 107.89 107.84 107.77 108.13 107.93 108.12 108.61 108.83	E SUMM/ Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir Final Hydro	ARY on o-static low (1) n(1) low (2) n(2) o-static
rza 1000 700 200 200 2014 Length (ft) 120.00	Pressure vs. T #00 Pressure #00 Pressure	Sime Sist Temperature Biss Temperature Image: Sist Temperature Image: Sist Temperature	0 1/4 the 1 100 1 100	Time (Min.) 0 2 16 62 62 121 211	Pl Pressure (psig) 1595.54 50.30 62.72 769.77 60.69 98.22 791.11	RESSUF Temp (deg F) 107.89 107.84 107.77 108.13 107.93 108.12 108.61 108.83	E SUMM/ Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir Final Hydro	ARY on o-static low (1) n(1) low (2) n(2) o-static
229 1000 709 500 209 209	Pressure vs. T #00 Pressure #00 Pressure	Sime Sist Temperature Biss Temperature Image: Sist Temperature Image: Sist Temperature	0 1/4 the 1 100 1 100	Time (Min.) 0 2 16 62 62 121 211	Pl Pressure (psig) 1595.54 50.30 62.72 769.77 60.69 98.22 791.11	RESSUF Temp (deg F) 107.89 107.84 107.77 108.13 107.93 108.12 108.61 108.83	E SUMM/ Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir Final Hydro	ARY on o-static low (1) n(1) low (2) n(2) o-static
220 770 550 550 550 550 550 550 550 550 55	Pressure vs. T #00 Pressure #00 Pressure	Sime Sist Temperature Biss Temperature Image: Sist Temperature Image: Sist Temperature	0 1/4 the 1 100 1 100	Time (Min.) 0 2 16 62 62 121 211	Pl Pressure (psig) 1595.54 50.30 62.72 769.77 60.69 98.22 791.11	RESSUF Temp (deg F) 107.89 107.84 107.77 108.13 107.93 108.12 108.61 108.83	E SUMM/ Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir Final Hydro	ARY on o-static low (1) n(1) low (2) n(2) o-static

	ERIO		DRI	LL STE	M TEST	REPO	RT	TOOL DIAGRAM
		;	Shelby	Resources LI	LC		17/17S/13W/Barton	
	STER ST		-	anal Boulevar	d		Nancy 3-17	
	Y		Suite C	Kansas 67601			Job Ticket: 18253	DST#:1
			1 2 1	Jeremy Schv			Test Start: 2014.05.06 @	21:37:00
Tool Informatio	on		ļ					
Drill Pipe:	Length:	2867.00 ft	Diameter:	3.80 ind	ches Volume:	40.22 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 ind	ches Volume:	0.00 bbl	Weight set on Packer	20000.00 lb
Drill Collar:	Length:	328.07 ft	Diameter:	2.25 inc	ches Volume:	1.61 bbl	Weight to Pull Loose:	80000.00 lb
Drill Pipe Above k	ZD-	10.07 ft			Total Volume:	41.83 bbl		0.00 ft
Depth to Top Pac		3213.00 ft					String Weight: Initial	70000.00 lb
Depth to Bottom I		5215.00 ft					Final	70000.00 lb
Interval between		47.00 ft						
Tool Length:		75.00 ft						
Number of Packe	ers:	2	Diameter:	6.75 ind	ches			
Tool Comments:								
Tool Description	on	Le	ngth (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
			5.00			3190.00		
Shut-in 1001								
			5.00			3195.00		
Hydraulic tool			5.00 6.00			3195.00 3201.00		
Hydraulic tool Jars								
Hydraulic tool Jars Safety Joint			6.00			3201.00		
Hydraulic tool Jars Safety Joint Top Packer			6.00 2.00			3201.00 3203.00	28.00	Bottom Of Top Packer
Hydraulic tool Jars Safety Joint Top Packer Packer			6.00 2.00 5.00			3201.00 3203.00 3208.00	28.00	Bottom Of Top Packer
Shut-In Tool Hydraulic tool Jars Safety Joint Top Packer Packer Anchor Recorder			6.00 2.00 5.00 5.00	6749	Inside	3201.00 3203.00 3208.00 3213.00	28.00	Bottom Of Top Packer

3260.00

47.00

Total Tool Length:

Bullnose

3.00

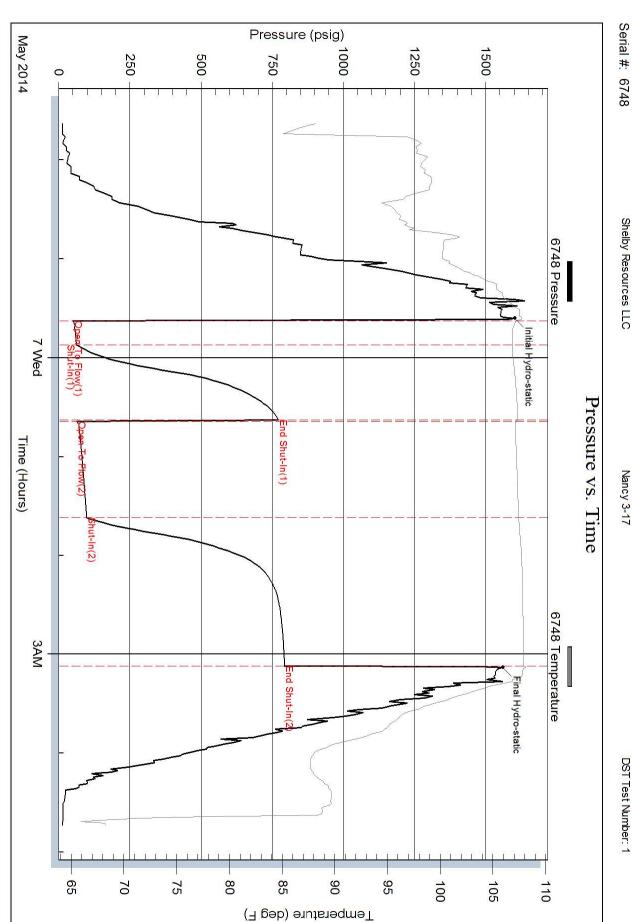
75.00

Anchor Tool

	DR	ILL STEM TEST REPORT	Г		FLUID SI	JMMAR
ENTERPRISES LLC	Shelby	Resources LLC	17/17S/13	W/Barton		
		Canal Boulevard	Nancy 3-1	17		
	Suite C	C Kansas 67601	Job Ticket: 18253		DST#:1	
		Jeremy Schwartz	Test Start: 2	2014.05.06 @ 2	1:37:00	
lud and Cushion Info	rmation					
lud Type: Gel Chem		Cushion Type:		Oil A PI:		deg API
ud Weight: 9.00 lk	-	Cushion Length:	ft	Water Salinity:		ppm
iscosity: 52.00 s		Cushion Volume:	bbl			
/ater Loss: 8.00 ir		Gas Cushion Type:				
	hm.m	Gas Cushion Pressure:	psig			
alinity: 2800.00 p Iter Cake: 1.00 ir						
ecovery Information						
	·	Recovery Table	1	7		
	Length ft	Description	Volume bbl			
	120.00	Oily Mud/Oil 20% Mud 80%	0.59			
	0.00	180 feet of gas in pipe	0.00	이		
Tot	al Length: 120	0.00 ft Total Volume: 0.590 bbl				
Lat	m Fluid Samples: 0 poratory Name:	Num Gas Bombs: 0 Laboratory Location:	Serial #	ŧ		
Red	covery Comments:					

Printed: 2014.05.07 @ 04:55:39

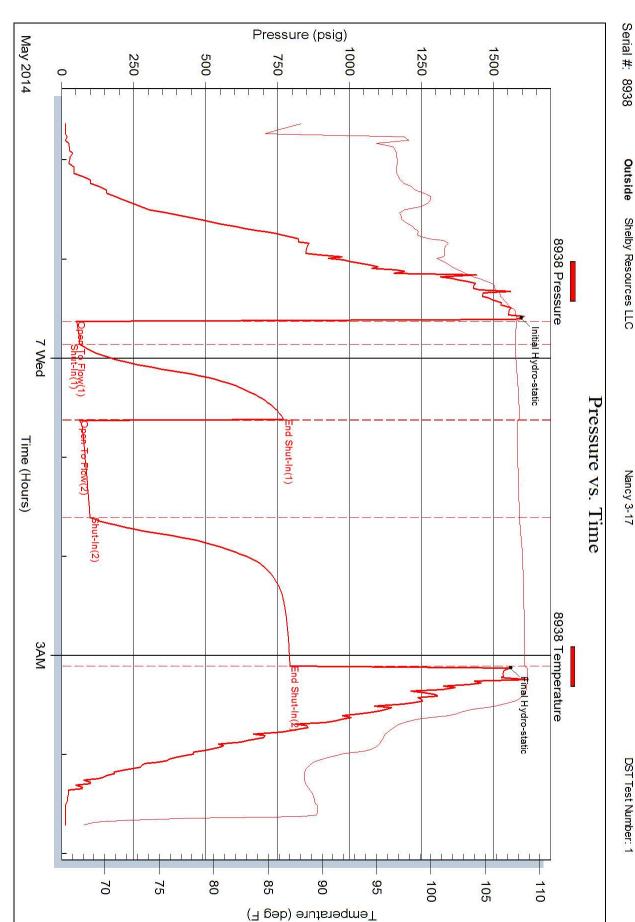
Superior Testers Enterprises LLC Ref. No: 18253



Nancy 3-17

Printed: 2014.05.07 @ 04:55:39

Superior Testers Enterprises LLC Ref. No: 18253





Prepared For: She

Shelby Resources LLC

2717 Canal Boulevard Suite C Hays, Kansas 67601

ATTN: Jeremy Schwartz

Nancy 3-17

17/17S/13W/Barton

Start Date:	2014.05.07 @	13:10:00	
End Date:	2014.05.07 @	16:59:00	
Job Ticket #:	18254	DST #:	2

REAL	DRILL STEM TES	T REP	ORT				
ENTERPRISES LLC	Shelby Resources LLC		17/	17S/13V	V/Barton		
	2717 Canal Boulevard		Naı	ncy 3-17	,		
	Suite C Hays, Kansas 67601		Job	Ticket: 18	3254	DST#	:2
	ATTN: Jeremy Schwartz		Test	Start: 20)14.05.07 @) 13:10:00	
GENERAL INFORMATION:	ŀ						
Formation:Lansing/Kansas CDeviated:NoWhipstock:Time Tool Opened:14:17:30Time Test Ended:16:59:00	i ty ft (KB)		Test Test Unit	ter: I	Conventiona Ken Sw inne 3325 Great	ey (lole (Initial)
Interval:3260.00 ft (KB) To3Total Depth:3283.00 ft (KB) (THole Diameter:7.80 inches Hole			Refe	erence Ele KB t	evations: o GR/CF:		0 ft (KB) 0 ft (CF) 0 ft
1ST Shut In 4	•	-		o.: Btm: 2	2014.05.07 2014.05.07	-	7 0
Pressure vs.	Time		PF	RESSUR	RESUMM	ARY	
Cooperative states of the stat	Crée Temponare 0749 Temponare 0549 Temponare 055 055 055 055 055 055 055 05	Time (Min.) 0 1 2 61 61 73 74	Pressure (psig) 1608.27 41.03 42.77 94.43 50.71 56.21 1575.92	Temp (deg F) 104.39 104.12 104.77 106.69	Annotatio	o-static ilow (1) n(1) ilow (2)	
Recovery		Gas Rates					
Length (ft) Description 30.00 Mud 100%	Volume (bbl) 0.00			Choke (i	nches) Pressu	ıre (psig)	Gas Rate (Mcf/d)
Superior Testers Enterprises LLC					2014 05 07		

		17S/13V	V/Barton		
			V/Darton		
	Na	ncy 3-17	,		
	Job	Ticket: 18	3254	DST#: 2	
	Tes	t Start: 20	014.05.07 @) 13:10:00	
	Tes	ter: I	Ken Sw inne	ey .	(Initial)
	Ref			1965.00 f	t (CF)
-	Last Cali Time On Time Off did not build	b.: Btm: 2	2014.05.07	2014.05.07 @ 14:16:00	osig
	PI	RESSUR		ARY	
Time (Min.) 0 1 12 61 61 73 74	Pressure (psig) 1602.70 37.31 41.69 94.15 49.81 54.35 1593.97	Temp (deg F) 108.06 107.57 107.53 107.80	Annotation Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2)	on o-static dow (1) n(1) dow (2)	
	Gas Rates				
		Choke (i	inches) Pressu	ure (psig) Gas	Rate (Mcf/d)
	16:58:30 no help/Pull tes Time (Min.) 0 1 12 61 61 73	Tes Tes Unit Ref 2014.05.07 Last Cali 16:58:30 Time On Time Off oughout/Blow did not build no help/Pull test Pl Time Pressure (Min.) (psig) 0 1602.70 1 37.31 12 41.69 61 94.15	Test Type: Tester: Unit No: Reference Ed KB 1 2014.05.07 16:58:30 Time On Btm: Time Off Btm: 16:58:30 Time Off Btm: 10 0 1602.70 108.06 1 37.31 107.57 12 41.69 107.53 61 94.15 107.80 61 49.81 107.78 73 54.35 107.86 74 1593.97 108.29 Ga	Test Type: Conventiona Tester: Ken Swinne Unit No: 3325 Great Reference Elevations: KB to GR/CF: 2014.05.07 Last Calib.: 16:58:30 Time On Btm: 2014.05.07 Time Off Btm: 2014.05.07 oughout/Blow did not build no help/Pull test Time Pressure Temp Annotation (Min.) (psig) (deg F) 0 1602.70 108.06 Initial Hydr 1 37.31 107.57 Open To F 12 41.69 107.53 Shut-In(1) 61 94.15 107.80 End Shut- 1 137.31 107.78 Open To F 12 41.69 107.53 Shut-In(1) 61 94.15 107.80 End Shut- 161 49.81 107.78 Open To F 73 54.35 107.86 Shut-In(2) 74 1593.97 108.29 Final Hydr Gas Rates Chole (inches) Press	Tester: Ken Swinney Unit No: 3325 Great Bend/32 Reference Elevations: 1965.00 f 1965.00 f KB to GR/CF: 13.00 f 2014.05.07 Last Calib.: 2014.05.07 @ 14:16:00 16:58:30 Time On Btm: 2014.05.07 @ 14:16:00 Time Off Btm: 2014.05.07 @ 15:29:30 Nughout/Blow did not build no help/Pull test PRESSURE SUMMARY 1 37.31 107.57 0 1602.70 108.06 Initial Hydro-static 1 37.31 107.57 Open To Flow (1) 12 41.69 107.53 Shut-In(1) 61 49.81 107.78 Open To Flow (2) 73 54.35 107.86 Shut-In(2) 74 1593.97 108.29 Final Hydro-static Gas Rates

	ERIO		DRI	LL STE	M TEST	REPO	RT	TOOL DIAGRAM
		;	Shelby	Resources L	LC		17/17S/13W/Barton	
	STER		-	anal Boulevar	d		Nancy 3-17	
	Y		Suite C	ansas 67601			Job Ticket: 18254	DST#:2
			1	Jeremy Sch			Test Start: 2014.05.07 @	0 13:10:00
Tool Informatio	on		ļ					
Drill Pipe:	Length:	2932.00 ft	Diameter:	3.80 in	ches Volume:	41.13 bb	I Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 in	ches Volume:	0.00 bb	Weight set on Packer	20000.00 lb
Drill Collar:	Length:	328.07 ft	Diameter:	0.00 in	ches Volume:	0.00 bb	Weight to Pull Loose:	80000.00 lb
Drill Dina Abaya I		27.07 ft		-	Total Volume:	41.13 bb		0.00 ft
Drill Pipe Above I Depth to Top Pac		3260.00 ft					String Weight: Initial	68000.00 lb
Depth to Bottom		5200.00 ft					Final	68000.00 lb
Interval between		23.00 ft						
Tool Length:	r donoro.	50.00 ft						
Number of Packe	ers:	2	Diameter:	6.75 in	ches			
Tool Comments:								
Tool Description	on	Le	ngth (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut-In Tool			5.00			3238.00		
Hydraulic tool			5.00			3243.00		
Jars			5.00			3248.00		
			2.00			3250.00		
Safety Joint			5.00			3255.00		
•								
Top Packer			5.00			3260.00	27.00	Bottom Of Top Packer
Top Packer Packer			5.00 18.00			3260.00 3278.00	27.00	Bottom Of Top Packer
Safety Joint Top Packer Packer Anchor Recorder				6749	Inside		27.00	Bottom Of Top Packer

Total Tool Length:

Bullnose

3.00

50.00

23.00

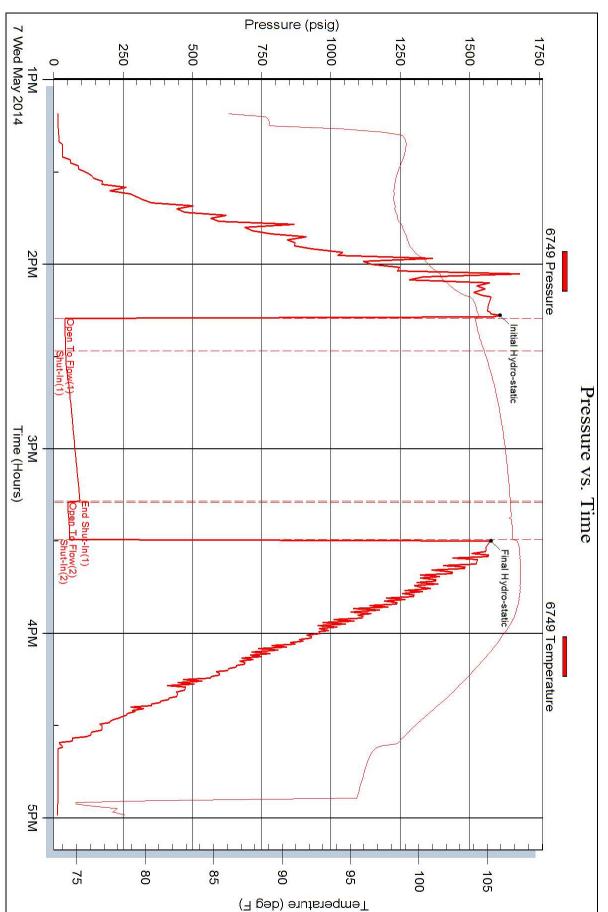
3283.00

Anchor Tool

	RID		DRI	LL S	TEM TEST REF	PORT	-		FLUID	SUMMAR
			Shelby	Resource	ces LLC		17/17S/13	W/Barto	n	
			2717 C	Canal Bou	ulevard		Nancy 3-	17		
			Suite C		2204		Job Ticket:	18254	DST#	#:2
	L.			Kansas (Jeremy	Schwartz		Test Start:	2014.05.07	@ 13:10:00	
lud and Cush	ion Info	ormation								
lud Type: Gel C	hem				Cushion Type:			Oil API:		deg API
lud Weight:	9.00 lk	o/gal			Cushion Length:		ft	Water Sali	inity:	ppm
iscosity:	62.00 s	ec/qt			Cushion Volume:		bbl			
later Loss:	8.80 ir	1 ³			Gas Cushion Type:					
esistivity:	0	hm.m			Gas Cushion Pressure:		psig			
	4200.00 p	pm								
lter Cake:	1.00 ir	nches								
ecovery Info	rmation	l								
				1	Recovery Table			-		
		Leng ft	th		Description		Volume bbl			
			30.00	Mud 10	00%		0.00	0		
	Tot	al Length:	30	.00 ft	Total Volume:	bbl				
	Nur	m Fluid Samp	oles: 0		Num Gas Bombs: 0		Serial #	# :		
		boratory Nan			Laboratory Location:					
		covery Comr								
		Sovery com	nonto.							

Printed: 2014.05.07 @ 17:08:48

Superior Testers Enterprises LLC Ref. No: 18254



Nancy 3-17

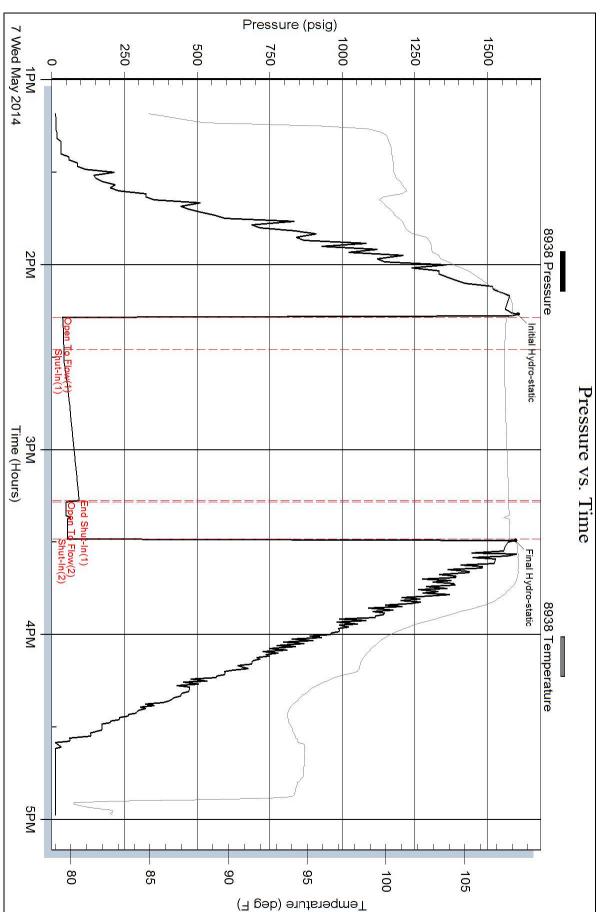
Serial #: 6749

Inside

Shelby Resources LLC

Printed: 2014.05.07 @ 17:08:48

Superior Testers Enterprises LLC Ref. No: 18254



Serial #: 8938

Outside

Shelby Resources LLC

Nancy 3-17



Prepared For: Sh

Shelby Resources LLC

2717 Canal Boulevard Suite C Hays, Kansas 67601

ATTN: Jeremy Schwartz

Nancy 3-17

17/17S/13W/Barton

Start Date:	2014.05.08 @	08:09:00	
End Date:	2014.05.08 @	12:00:30	
Job Ticket #:	18255	DST #:	3

RERIA	DRILL STEM TES	TREP	ORT				
ENTERPRISES LLC	Shelby Resources LLC		17/17	'S/13W/	/Barton		
	2717 Canal Boulevard		Nanc	y 3-17			
	Suite C Hays, Kansas 67601		Job Tie	cket: 182	55	DST#:	3
	ATTN: Jeremy Schwartz		Test S	itart: 201	4.05.08 @	08:09:00	
GENERAL INFORMATION:							
Formation:ArbuckleDeviated:NoWhipstock:Time Tool Opened:09:16:0∪Time Test Ended:12:00:3∪	ft (KB)		Test T Tester Unit No	: Ke	onventiona en Sw inne 325 Great I	-	ole (Initial)
Total Depth: 3455.00 ft (KB) (T	455.00 ft (KB) (TVD) VD) e Condition: Fair		Refere	ence Elev KB to	ations: GR/CF:) ft (KB)) ft (CF)) ft
		2014.05.08 12:00:30 3/4 inch	Capacity: Last Calib.: Time On Btr Time Off Bt	m: 20)14.05.08 (5000.00 2014.05.08 @ 09:15:00 @ 10:30:30	}
2ND Open 1 Pressure vs. 1	0 Minutes/Dead no blow/Flush tool i		PRE		ESUMM		
1720 1720	Udvi imposare 100 100 100 100 100 100 100 10	Time (Min.) 0 1 17 61 62 74 76	(psig) (1687.79 43.33 56.70 929.45 56.85 59.42	107.81 (108.19 (109.37 109.18 (109.26 (Annotatic Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) Final Hydro	o-static ow (1) n(1) ow (2)	
Recovery		Gas Rates					
Length (ft) Description	Volume (bbl)			Choke (inc	hes) Pressu	re (psig)	Gas Rate (Mcf/d)
15.00 Oily Mud/Oil 30% Mud 70 15.00 Mud cut Oil/Mud 5% Oil 9							
Superior Testers Enterprises LLC	Ref. No: 18255					@ 12:13:1	

PERIO	DRILL STEM TES	TREP	ORT				
	Shelby Resources LLC		17/17	7S/13W	//Barton		
	2717 Canal Boulevard		Nand	cy 3-17			
	Suite C Hays, Kansas 67601		Job Ti	cket: 18	255	DST#::	3
	ATTN: Jeremy Schwartz		Test S	Start: 20	14.05.08 @	08:09:00	
GENERAL INFORMATION:	ł						
Formation:ArbuckleDeviated:NoWhipstock:Time Tool Opened:09:16:00Time Test Ended:12:00:30	ft (KB)		Test T Tester Unit N	r: K	Conventiona Ken Sw inne 3325 Great	-	le (Initial)
Interval:3424.00 ft (KB) ToTotal Depth:3455.00 ft (KB) (Hole Diameter:7.80 inches He			Refere		vations: o GR/CF:	1978.00 1965.00 13.00	ft (CF)
	End Date:		Capacity: Last Calib.: Time On Bt Time Off Bt	m: 2	014.05.08	5000.00 2014.05.08 @ 09:15:00 @ 10:29:30	
Pressure vs	. Time		PRE	ESSUR	E SUMM	ARY	
5.55 Presure 1759 1799 1990	533 Temporature 100 100 100 100 100 100 100 10	Time (Min.) 0 1 16 60 61 73 75	Pressure (psig) (1704.69 42.50 48.30 931.19 51.75 55.82	Temp (deg F) 110.44 110.00 109.98 110.49 110.25 110.23	Annotation Initial Hydr Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) Final Hydro	on o-static īlow (1) n(1) īlow (2)	
Recovery	/			Gas	s Rates		
Length (ft) Description	Volume (bbl)			Choke (ir	nches) Pressu	ure (psig) Ga	as Rate (Mcf/d)
15.00 Oily Mud/Oil 30% Mud 15.00 Mud cut Oil/Mud 5% Oi							
	Ref. No: 18255					@ 12:13:14	

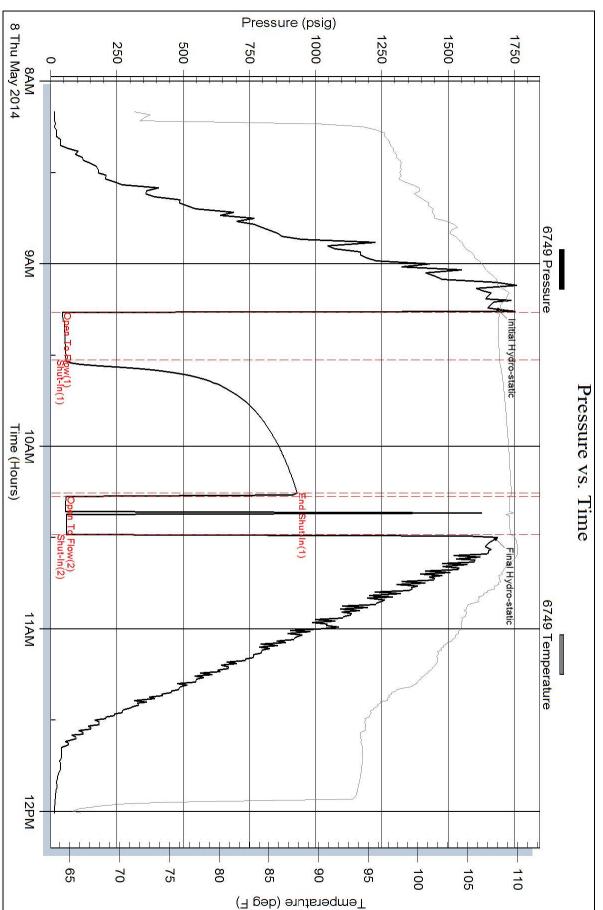
_ _/\\	PERIO			LL STE	M TEST	REPO	RT	TOOL DIAGRA
	RPRISES LLC	;	Shelby	Resources L	LC		17/17S/13W/Barton	
	CTER		-	anal Boulevar	d		Nancy 3-17	
			Suite C	Kansas 67601			Job Ticket: 18255	DST#:3
				Jeremy Sch			Test Start: 2014.05.08 @	08:09:00
Tool Information	on		ļ					
Drill Pipe:	Length:	3091.00 ft	Diameter:	3.80 in	ches Volume:	43.36 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 in	ches Volume:	0.00 bbl	Weight set on Packer	: 20000.00 lb
Drill Collar:	Length:	328.07 ft	Diameter:	2.25 in	ches Volume:	1.61 bbl	Weight to Pull Loose:	75000.00 lb
Drill Pipe Above I	VD.	22.07 ft		-	Total Volume:	44.97 bbl		0.00 ft
Depth to Top Pac		22.07 ft 3424.00 ft					String Weight: Initial	70000.00 lb
Depth to Bottom		5424.00 ft					Final	70000.00 lb
Interval between		31.00 ft						
Tool Length:	Truckero.	58.00 ft						
Number of Packe	ers:	2	Diameter:	6.75 in	ches			
Tool Comments:								
Tool Descripti	ion	Le	ngth (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
			5.00			3402.00		
Shut-In Tool			5.00			3407.00		
						3412.00		
Hydraulic tool			5.00			0412.00		
Shut-In Tool Hydraulic tool Jars Safety Joint			5.00 2.00			3414.00		
Hydraulic tool Jars Safety Joint								
Hydraulic tool Jars Safety Joint Top Packer			2.00			3414.00	27.00	Bottom Of Top Packer
Hydraulic tool Jars Safety Joint Top Packer Packer			2.00 5.00			3414.00 3419.00	27.00	Bottom Of Top Packer
Hydraulic tool Jars Safety Joint Top Packer Packer Anchor			2.00 5.00 5.00	6749	Inside	3414.00 3419.00 3424.00	27.00	Bottom Of Top Packer
Hydraulic tool Jars			2.00 5.00 5.00 26.00	6749 8938	Inside Outside	3414.00 3419.00 3424.00 3450.00	27.00	Bottom Of Top Packer

Total Tool Length: 58.00

	RI	DRI	LL STEM TEST F	REPORT	Г	I	FLUID SL	MMAR
ENTERP	RISES LLC	Shelby	Resources LLC		17/17S/13	W/Barton		
	TEN .		Canal Boulevard		Nancy 3-1	7		
		Suite C Havs	; Kansas 67601		Job Ticket: 1	8255	DST#: 3	
	è		Jeremy Schwartz		Test Start: 2	2014.05.08 @ 08	3:09:00	
lud and Cush	ion Information	- I						
ud Type: Gel C			Cushion Type:			Oil API:		deg API
ud Weight:	9.00 lb/gal		Cushion Length:		ft	Water Salinity:		ppm
iscosity: /ater Loss:	61.00 sec/qt 7.60 in³		Cushion Volume: Gas Cushion Type:		bbl			
esistivity:	ohm.m		Gas Cushion Pressure		psig			
-	4500.00 ppm				poig			
lter Cake:	1.00 inches							
ecovery Info	rmation							
			Recovery Table) (aluma	Г		
	Ler	t	Description		Volume bbl			
		15.00	Oily Mud/Oil 30% Mud 70%		0.074	-		
		15.00	Mud cut Oil/Mud 5% Oil 95%		0.074	<u>1</u>		
	Total Length:		.00 ft Total Volume:	0.148 bbl	_			
	Num Fluid Sar		Num Gas Bombs:	0	Serial #	÷.		
	Laboratory Na Recovery Cor		Laboratory Location	n:				
	Nectively Col	ninents.						

Printed: 2014.05.08 @ 12:13:14

Superior Testers Enterprises LLC Ref. No: 18255



Serial #: 6749

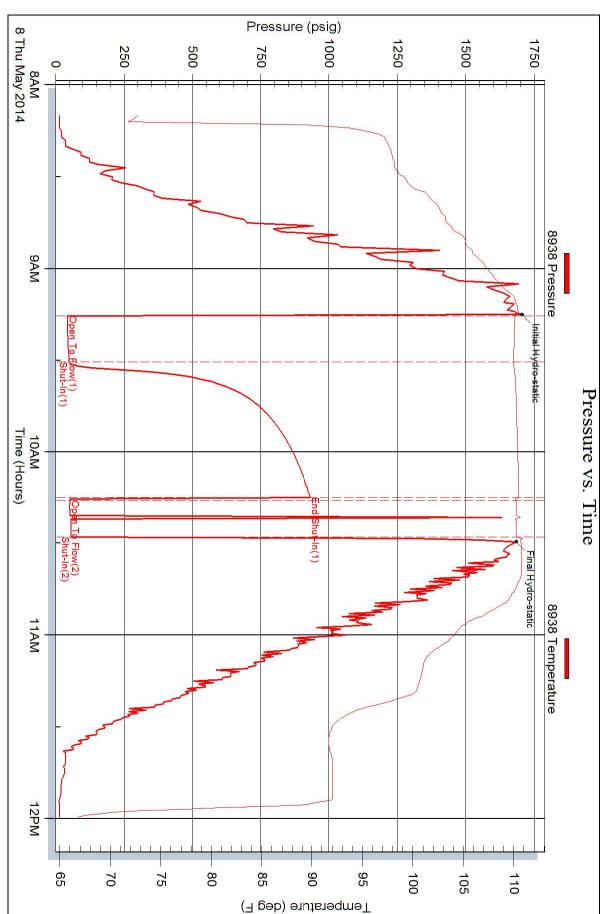
Shelby Resources LLC

Inside

Nancy 3-17

Printed: 2014.05.08 @ 12:13:15

Superior Testers Enterprises LLC Ref. No: 18255



Nancy 3-17

Serial #: 8938

Outside

Shelby Resources LLC



Prepared For: St

Shelby Resources LLC

2717 Canal Boulevard Suite C Hays, Kansas 67601

ATTN: Jeremy Schwartz

Nancy 3-17

17/17S/13W/Barton

Start Date:	2014.05.08 @	0.18:10:00	
End Date:	2014.05.09 @	00:37:00	
Job Ticket #:	18256	DST #:	4

keviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial) ime Tool Opened: 1927:30 Tester: Ken Swinney ime Tool Opened: 1927:30 Unit No: 3325 Great Bend/32 ime Tool Opened: 3450.00 ft (KB) To 3462.00 ft (KB) (TVD) Reference Elevations: 1976.000 ft (KB) iotal Depth: 3462.00 ft (KB) (TVD) 1965.00 ft (KB) 1965.00 ft (KB) iotal Depth: 3462.00 ft (KB) (TVD) 1965.00 ft (KB) 1965.00 ft (KB) iotal Depth: 3462.00 ft (KB) End Date: 2014.05.09 Last Calib.: 2014.05.09 istart Date: 2014.05.08 End Date: 2014.05.08 @ 19.26:30 Time On Btm: 2014.05.08 @ 19.26:30 EST COMMENT: 1ST Open 15 Minutes/Fair blow/Blow built to 6 inches 2ND Shut h 45 Minutes/Mo blow back 2ND Shut h 90 Minutes/Mo blow back Image: Substant Date: 2ND Shut h 90 Minutes/Mo blow back 102.16 Open To Flow (1) if if is 7.32 if is 7.35 EST COMMENT: IST Shut h 45 Minutes/Mo blow Blow	SPERIO	DRILL STEM	TES	T REP	ORT				
Subject Subject Justifield Hays, Kansas 67601 ATTN: Jeremy Schwartz Job Ticket: 18256 DST#:4 ATTN: Jeremy Schwartz Test Start: 2014.05.08 @ 18:10.00 SENERAL INFORMATION: Immediate Schwartz Test Start: 2014.05.08 @ 18:10.00 Seneration: Arbuckle keviated: No Whipstock: ft (KB) Immediate: Xato Schwartz Test Type: Conventional Bottom Hole (Initial) Tester: Min Tool Opened: 19:27:30 Test Type: Conventional Bottom Hole (Initial) Tester: Min Tool Opened: 19:27:30 Test Type: Conventional Bottom Hole (Initial) Tester: Min Tool Opened: 19:27:30 Test Type: Conventional Bottom Hole (Initial) Interval: 24:62.00 ft (KB) (TVD) Gala Lepth: 19:65.00 0ft (KB) Ideal Lepth: 3:45:00 ft (KB) (TVD) Gala Lepth: 20:40.05.08 @ 19:26:30 Time: 20:14:05:08 @ 10:26:30 Time On Btm: 20:14:05:08 @ 19:26:30 Time: 15:00.00 ft (MB) Houses/No blow back 20:14:05:08 @ 19:26:30 ZNO Open 60 Minutes/No blow back 11:00:09 ZNO Open to Flow (1) 10:01 ft (Ft Hydro-static 10:02 ft (1) 10:02 ft (1) 10:03 ft (3:01:01; 11:02 ft (1) 10:02 ft (1) 10:02 ft (1)	ENTERPRISES LLC	Shelby Resources LLC			17/	17S/13V	V/Barton		
Hays, Kanasa 67601 Job Indext 18296 DSTR:4 ATTN: Jarreny Schwartz Test Start: 2014.05.08 @ 18:10.00 SENERAL INFORMATION: formation: Arbuckle beviated: No Minpstock: ft (KB) Test Type: Conventional Bottom Hole (Initial) Tester: Ken Swinney Ime Test Ender beviated: No No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial) Tester: Ken Swinney Ime Test Ender beviated: No No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial) Tester: Ken Swinney Ime Test Ender beviated: 7.80 incheshole Condition: Poor Reference Eevations: 1978.00 ft (KB) 1965.00 ft (CF) 1965.00 ft (CF) 1965.00 ft (CF) Start Time: 2014.05.08 gt 10.20 Eduation: 2014.05.08 gt 19.28.30 Time Off Bim: 2014.05.08 gt 19.28.30 Time Off Bim: 2014.05.08 gt 19.28.30 Time Off Bim: 2014.05.08 gt 19.28.30 EST COMMENT: 155 Thuit 45 Minutes/Rob blow back 2ND Open: 60 Minutes/Rob blow back Time Off Bim: 2014.05.08 gt 19.28.30 Time Off Bim: 2014.05.08 gt 22.56.30 Test Comment: Time Time Off Bim: 2014.05.08 gt 22.56.30 Time Off Bim: 2014.05.08 gt 22.56.30 Test Comment: Time 155 Minutes/Rob blow back Time Off Bim: 2014.05.08 gt 22.56.30 Test Comment: Time 155 Minutes/Rob blow back Time Off Bim: 2014.05.08 gt 22.56.30 Test Comment: Time <					Nai	ncy 3-17	,		
ATN: Jeremy Schwarz Test Start: 2014 05 08 @ 18:10:00 SENERAL INFORMATION: immation: Arbuckle immation: Arbuckle beviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial) imma Tool Opened: 19:27:30 Tester: Xen Swinney Unit No: 3325 Great Bend322 imma Tool Opened: 19:37:30 Tester: Xen Swinney Unit No: 3325 Great Bend322 therval: 3450.00 ft (KB) (TVD) Gapacity:: S000.00 psig 1965:00 ft (KB) start Time: 18:10:00 End Date: 2014.05:08 Capacity:: 5000.00 psig start Time: 18:10:00 End Time: 00:37:00 Time Off Btm: 2014.05:08 @ 19:28:30 Time Off Btm: 2014.05:08 @ 10:28:00 Time Off Btm: 2014.05:08 @ 22:56:30 Time Off Btm: 2014.05:08 @ 22:56:30 TEST COMMENT: 15:Touries 15:Minutes/No blow back Time Off Btm: 2014.05:08 @ 22:56:30 ZND Open to Bow 00:Minutes/No blow back 10:07:11 10:07:11 10:03:10					Job	Ticket: 18	3256	DST#:	4
Armation: Arbuckle beviated: No Whipstock: ft (KB) me Tool Opende: 1927:30 ime Tool Opende: 1927:30 ime Tool Opende: 3450.00 ft (KB) (TVD) ical Depth: 3450.00 ft (KB) (TVD) ical Depth: 7.80 inches/ble Condition: 7.80 inches/ble Condition: Poor Start Date: 2014.05.08 End Date: 2014.05.08 End Date: 2014.05.08 End Date: 2014.05.08 End Date: 2014.05.08 @ 19:26:30 Time: 18:10:00 End Time: 195 Tool Depth: 155 7th ping @ 18:10:00 End Time: 2014.05.08 @ 19:26:30 Time: 18:10:00 End Time: 195 Tool Int: 45 Minutes/No blow back 2ND Open @ 60 Minutes/No blow back 2ND Open @ 60 Minutes/No blow back 1102.16 (Minutes/No blow back 110:26 1102.16 (Minutes/No blow back 110:216			tz		Test	t Start: 20)14.05.08 @	0 18:10:00	
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial) ime Tool Opened: 19:27:30 Test Type: Conventional Bottom Hole (Initial) ime Tool Opened: 19:27:30 Test Type: Conventional Bottom Hole (Initial) ime Tool Opened: 19:27:30 Test Type: Conventional Bottom Hole (Initial) interval: 3450.00 ft (KB) To 3462.00 ft (KB) (TVD) Test Type: Conventional Bottom Hole (Initial) iotal Depth: 3456.00 ft (KB) (TVD) Test Type: Conventional Bottom Hole (Initial) Serial #: 6749 Inside Federate Ben/32 Serial #: 6749 Inside Capacity: 3000 ft (KB) Serial #: 6749 Inside Capacity: 2014.05.08 @ 22.50:30 Time On Btm: 2014.05.08 @ 22.56:30 Time Orlf Btm: 2014.05.08 @ 22.56:30 Time Orlf Btm: 2014.05.08 @ 0140:01 Time Orlf Btm: 2014.05.08 @ 22.56:30 Time Orlf Btm: 2014.05.08 @ 0140:01 Time Orlf Btm: 2014.05.08 @ 22.56:30 Time Orlf Btm: 2014.05.08 @ 0140:01 Time Orlf Btm: 2014.05.08 @ 126:30 Time Orlf Btm:<	GENERAL INFORMATIO	۱. ۱:							
Optimized Depth: 3462.00 ft (KB) (TVD) 1965.00 ft (KB) (TVD) 1965.00 ft (KB) Serial #: 7.80 incheshole Condition: Poor KB to GR/CF: 13.00 ft Serial #: 6749 Inside Capacity: 5000.00 psig Sart Date: 2014.05.08 End Date: 2014.05.09 Time On Btm: 2014.05.08 g1 226.30 Time Off Btm: 2014.05.08 Ed 3000 v/Blow built to 6 inches 15T Shut In 45 Minutes/Pair blow/Blow built to 6 inches 15T Shut In 45 Minutes/No blow back Time Off Btm: 2014.05.08 @ 22:56:30 TEST COMMENT: 1ST Open 15 Minutes/Fair blow/Blow built to 11 inches 10 Minutes/No blow back Time Off Btm: 2014.05.08 @ 22:56:30 TEST COMMENT: 1ST Open 15 Minutes/No blow back Time Off Btm: 2014.05.08 @ 12:26:30 Time Off Btm: 2014.05.08 @ 12:26:30 Time Off Btm: 2014.05.08 @ 12:26:30 Time Off Btm: 2014.05.08 @ 12:26:30 Time Off Btm: 2014.05.08 @ 12:26:30 Time Off Btm: 10 Station 10 Station 10 Station 10 Station 10:33		ipstock: ft (KB)			Test	ter: I	Ken Sw inne	әу	le (Initial)
Press@RunDepth: 155.71 psig Q 3458.00 ft (KB) Capacity: 5000.00 psig isart Date: 2014.05.08 End Date: 2014.05.09 Time On Bitm: 2014.05.08 @ 19:26:30 isart Time: 18:10:00 End Time: 00:37:00 Time On Bitm: 2014.05.08 @ 19:26:30 EST COMMENT: 1ST Open 15 Mnutes/Fair blow/Blow back 2014.05.08 @ 19:26:30 Time On Bitm: 2014.05.08 @ 19:26:30 EST COMMENT: 1ST Shut In 45 Mnutes/No blow back 11 inches 2014.05.08 @ 19:26:30 Image: Source vs: Time 60 Mnutes/Cool blow /Blow built to 11 inches 11 inches 2014.05.08 @ 19:26:30 Image: Source vs: Time Image: No blow back Image: No blow back 15 Mnutes/No blow back Image: Source vs: Time Image: No blow back Image: No blow back Image: No blow line vs: No blow back Image: Source vs: Time Image: No blow back Image: No blow line vs: No blow back Image: No blow line vs: No blow back Image: Source vs: Time Image: No blow line vs: No blow back Image: No blow line vs:	Total Depth: 3462.00 f	t (KB) (TVD)			Refe			1965.00	ft (CF)
2ND Shut h 90 Minutes/No blow back Pressure vs. Tare Pressure vs. Tare Time Pressure Tomp Annotation 0 0 102.42 Initial Hydro-static 0 107.11 End Shut-In(1) 6 6 7.29 107.11 End Shut-In(1) 0	Press@RunDepth: 155 Start Date: 20 Start Time: TEST COMMENT: 1ST Op 1ST Sh	71 psig @ 3458.00 ft (KB) 4.05.08 End Date: 8:10:00 End Time: 9en 15 Minutes/Fair blow /Blow b 10 ut In 45 Minutes/No blow back	uilt to 6 i	00:37:00	Last Calit Time On I	o.: Btm: 2		2014.05.09 @ 19:26:30	
Image: Note of the second o	2ND S	ressure vs. Time							
Length (ft) Description Volume (bbl) 60.00 Oily Mud/Oil 30% Mud 70% 0.30 60.00 Muddy Oil/Mud 40% Oil 60% 0.30 195.00 Clean Oil 100% 0.96			1005 1005 1005 1005 1005 1005 1005 1005	(Min.) 0 1 16 61 61 121 210	(psig) 1676.95 39.13 67.35 1102.99 74.29 155.71 1077.81	(deg F) 102.42 102.16 103.83 107.11 106.91 109.06 110.33	Initial Hydr Open To F Shut-In(1) End Shut- Open To F Shut-In(2) End Shut-	ro-static Flow (1) In(1) Flow (2) In(2)	
60.00 Oily Mud/Oil 30% Mud 70% 0.30 60.00 Muddy Oil/Mud 40% Oil 60% 0.30 195.00 Clean Oil 100% 0.96	Re	ecovery				Ga	s Rates		
60.00 Muddy Oil/Mud 40% Oil 60% 0.30 195.00 Clean Oil 100% 0.96						Choke (i	inches) Press	ure (psig) G	as Rate (Mcf/d)
195.00 Clean Oil 100% 0.96			_						
			_						
U.UU Corrected Grav. Oil 32 U.UU			_						
	U.UU Corrected Grav	0.00							

	DRILL STEM TES						
ENTERPRISES LLC	Shelby Resources LLC		17/1	17S/13W	V/Barton		
CSTER?	2717 Canal Boulevard		Nar	1cy 3-17	•		
	Suite C Hays, Kansas 67601		Job	Ticket: 18	3256	DST#:4	
	ATTN: Jeremy Schwartz		Test	Start: 20)14.05.08 @) 18:10:00	
GENERAL INFORMATION:							
Formation: Arbuckle Deviated: No Whipstock: Time Tool Opened: 19:27:30 Time Test Ended: 00:37:00	ft (KB)		Test Test Unit	er: ł	Conventiona Ken Sw inne 3325 Great	•	e (Initial)
Interval:3450.00 ft (KB) ToTotal Depth:3462.00 ft (KB) (Hole Diameter:7.80 inches He			Refe	erence Ele KB te	evations: o GR/CF:	1978.00 1965.00 13.00	ft (CF)
1ST Shut In	End Date:		Capacity: Last Calib Time On E Time Off I	o.: 3tm: 2	2014.05.08	5000.00 2014.05.09 @ 19:26:00 @ 22:56:00	psig
2ND Shut In S	90 Minutes/No blow back		PR	RESSUR	RESUMM	ARY	
503 Pressure	503 Terpordure 193 - 193 - 193 - 195 - 195	Time (Min.) 0	Pressure (psig) 1676.39	Temp (deg F) 106.57	Annotatio		
C20 C20 C20 C20 C20 C20 C20 C20	99 99 99 99 99 99 99 99 99 99 99 99 99	1 16 60 61 121 209 210	46.15 66.92 1101.94 74.02 155.61 1076.78 1647.76		Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I	īlow (1) in(1) īlow (2) in(2)	
		1 16 60 61 121 209	46.15 66.92 1101.94 74.02 155.61 1076.78	106.03 107.25 106.77 108.33 110.49 110.65	Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I	īlow (1) in(1) īlow (2) in(2)	
520 520 500 500 500 500 500 500		1 16 60 61 121 209	46.15 66.92 1101.94 74.02 155.61 1076.78	106.03 107.25 106.77 108.33 110.49 110.65	Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I Final Hydro	Tow (1) In(1) Tow (2) In(2) o-static	s Rate (Mct/d)
true de la construcción de la co	95 95 95 95 95 95 95 95 95 95 95 95 95 9	1 16 60 61 121 209	46.15 66.92 1101.94 74.02 155.61 1076.78	106.03 107.25 106.77 108.33 110.49 110.65	Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I Final Hydro	Tow (1) In(1) Tow (2) In(2) o-static	s Rate (Mcf/d)
1 1		1 16 60 61 121 209	46.15 66.92 1101.94 74.02 155.61 1076.78	106.03 107.25 106.77 108.33 110.49 110.65	Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I Final Hydro	Tow (1) In(1) Tow (2) In(2) o-static	s Rate (Mcf/d)
220 300 700 300 700 300 200 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 Muddy Oil/Mud 40% Oil 195.00 Clean Oil 100%	vers vers vers vers vers vers vers vers	1 16 60 61 121 209	46.15 66.92 1101.94 74.02 155.61 1076.78	106.03 107.25 106.77 108.33 110.49 110.65	Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I Final Hydro	Tow (1) In(1) Tow (2) In(2) o-static	s Rate (Mcf/d)
1 1		1 16 60 61 121 209	46.15 66.92 1101.94 74.02 155.61 1076.78	106.03 107.25 106.77 108.33 110.49 110.65	Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I Final Hydro	Tow (1) In(1) Tow (2) In(2) o-static	s Rate (Mcf/d)

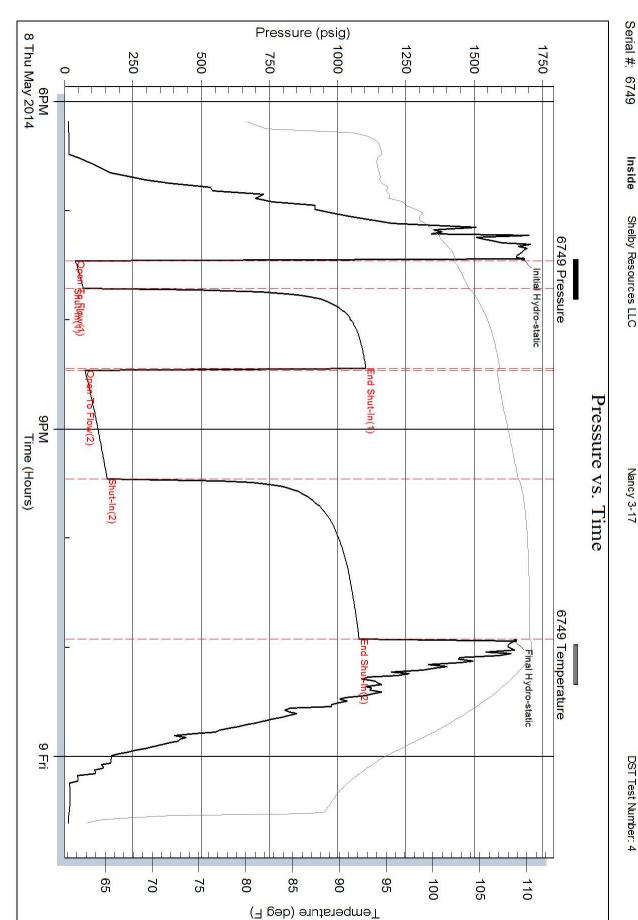
	PERIO			LL STE	MTEST	REPO	RT	TOOL DIAGRAI
	RPRISES LLC	;	Shelby	Resources LI	LC		17/17S/13W/Barton	
	CTCN/		-	anal Boulevar	d		Nancy 3-17	
			Suite C	Kansas 67601			Job Ticket: 18256	DST#:4
				Jeremy Schu			Test Start: 2014.05.08 @	18:10:00
Tool Information	on		<u> </u>					
Drill Pipe:	Length:	3121.00 ft	Diameter:	3.80 in	ches Volume:	43.78 bb	I Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 in	ches Volume:	0.00 bb	Weight set on Packer	: 20000.00 lb
Drill Collar:	Length:	328.07 ft	Diameter:	2.25 in	ches Volume:	1.61 bb	Weight to Pull Loose:	80000.00 lb
		00.07.0		-	Total Volume:	45.39 bb	Tool Chased	0.00 ft
Drill Pipe Above I		26.07 ft					String Weight: Initial	73000.00 lb
Depth to Top Pac Depth to Bottom		3450.00 ft ft					Final	74000.00 lb
Interval between		12.00 ft						
Tool Length:	I FACKEIS.	39.00 ft						
Number of Packe	ers.	2	Diameter:	6.75 ind	ches			
Tool Comments:								
	on	Le	ngth (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Tool Description								
•			5.00			3428.00		
Shut-In Tool			5.00 5.00			3428.00 3433.00		
Shut-In Tool Hydraulic tool								
Shut-In Tool Hydraulic tool Jars			5.00			3433.00		
Shut-In Tool Hydraulic tool Jars Safety Joint			5.00 5.00			3433.00 3438.00		
Shut-In Tool Hydraulic tool Jars Safety Joint Top Packer			5.00 5.00 2.00			3433.00 3438.00 3440.00	27.00	Bottom Of Top Packer
Shut-In Tool Hydraulic tool Jars Safety Joint Top Packer Packer			5.00 5.00 2.00 5.00			3433.00 3438.00 3440.00 3445.00	27.00	Bottom Of Top Packer
Shut-In Tool Hydraulic tool Jars Safety Joint Top Packer Packer Anchor			5.00 5.00 2.00 5.00 5.00	6749	Inside	3433.00 3438.00 3440.00 3445.00 3450.00	27.00	Bottom Of Top Packer
Tool Description Shut-In Tool Hydraulic tool Jars Safety Joint Top Packer Packer Packer Anchor Recorder Recorder			5.00 5.00 2.00 5.00 5.00 7.00	6749 8938	Inside Outside	3433.00 3438.00 3440.00 3445.00 3450.00 3457.00	27.00	Bottom Of Top Packer

Total Tool Length: 39.00

RERIA		DRI	LL STEM TEST REF	PORT	-		FLUID S	JMMAR
ENTERPRISES		Shelby	Resources LLC		17/17S/13	W/Barton		
		2717 C	anal Boulevard		Nancy 3-1	7		
Rever		Suite C			Job Ticket: 1	8256	DST#:4	
			Kansas 67601				-	
		ATTN:	Jeremy Schwartz		Test Start: 2	2014.05.08 @ 1	18:10:00	
lud and Cushion I	nformation							
lud Type: Gel Chem			Cushion Type:			Oil API:		deg API
-	00 lb/gal		Cushion Length:		ft	Water Salinity	:	ppm
-	00 sec/qt		Cushion Volume:		bbl			
	60 in³		Gas Cushion Type:					
-	ohm.m 00 ppm 00 inches		Gas Cushion Pressure:		psig			
ecovery Informat	ion							
			Recovery Table			-		
	Leng ft	th	Description		Volume bbl			
		60.00	Oily Mud/Oil 30% Mud 70%		0.29	5		
		60.00	Muddy Oil/Mud 40% Oil 60%		0.29	5		
		195.00	Clean Oil 100%		0.959	9		
		0.00	Corrected Grav. Oil 32		0.000	2		
	Total Length:	315	.00 ft Total Volume: 1	.549 bbl				
	Num Fluid Samp	oles: 0	Num Gas Bombs: 0		Serial #	÷		
	Laboratory Nam		Laboratory Location:					
	Recovery Com		-					

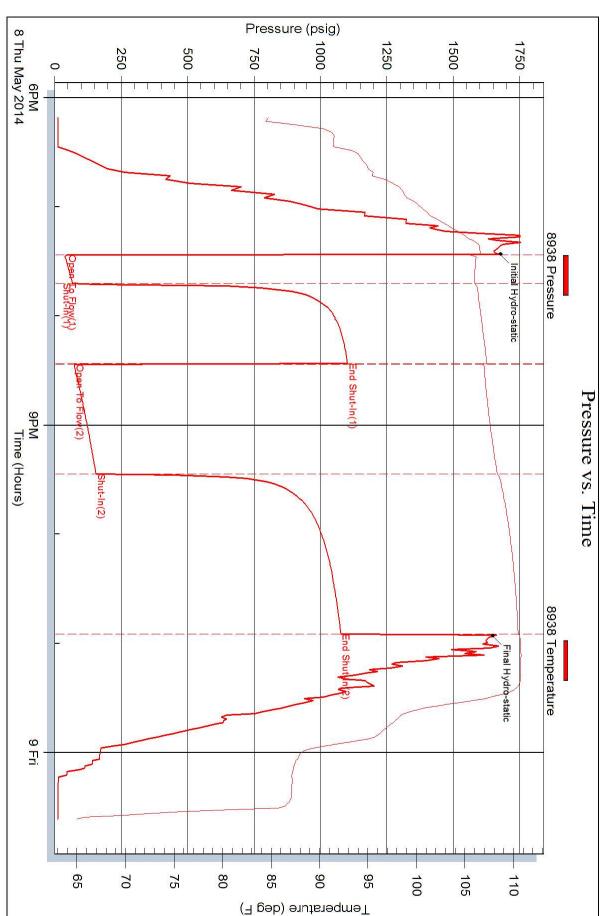
Printed: 2014.05.09 @ 00:59:35

Superior Testers Enterprises LLC Ref. No: 18256



Printed: 2014.05.09 @ 00:59:35

Superior Testers Enterprises LLC Ref. No: 18256



Nancy 3-17

Serial #: 8938

Outside

Shelby Resources LLC



Prepared For: St

Shelby Resources LLC

2717 Canal Boulevard Suite C Hays, Kansas 67601

ATTN: Jeremy Schwartz

Nancy 3-17

17/17S/13W/Barton

Start Date:	2014.05.09 @	06:24:00	
End Date:	2014.05.09 @	13:08:30	
Job Ticket #:	18257	DST #:	5

	PERIO	DRILL STEM T	ES	T REPO	ORT				
	RPRISES LLC	Shelby Resources LLC			17/	'17S/13V	V/Bartor	ı	
	COTTE NO	2717 Canal Boulevard			Na	ncy 3-17	7		
		Suite C Hays, Kansas 67601			Job	Ticket: 18	3257	DST	#:5
TT AND		ATTN: Jeremy Schwartz			Tes	t Start: 20	014.05.09	@ 06:24:00	D
GENERAL IN	FORMATION:								
Formation: Deviated: Time Tool Opene Time Test Endeo		ft (KB)			Tes	ster:	Conventior Ken Sw inr 3325 Grea	ney	Hole (Initial)
Interval: Total Depth: Hole Diameter:	3468.00 ft (KB) (TV	6 8.00 ft (KB) (TVD) /D) e Condition: Fair			Ref	erence Ele	evations: to GR/CF:	1965.	00 ft(KB) 00 ft(CF) 00 ft
Serial #: 67 Press@RunDep Start Date: Start Time: TEST COMM	th: 328.99 psig 2014.05.09 06:24:00 IENT: 1ST Open 15 1ST Shut In 45 2ND Open 60	 @ 3464.00 ft (KB) End Date: End Time: Minutes/Good blow /Blow built Minutes/Very w eak surface to Minutes/Good blow /Blow built Vinutes/No blow back 	It to bo	back		ib.: Btm: Btm: utes		5000. 2014.05. 9 @ 07:49: 9 @ 11:20:	30
	Pressure vs. T	ime			P	RESSUE	RE SUMI	MARY	
2000 1750	949 Prosue 	0/9 Tropperture	- 116 - 100 5 Temperature (dec T) - 70 55	Time (Min.) 0 1 15 60 61 120 210 211	Pressure (psig) 1698.18 39.85 146.77 1147.19 159.41 328.99 1148.35 1663.88	Temp (deg F) 102.49 106.35 111.18 110.20	Annota Initial Hyd Open To Shut-In(1 End Shut Open To Shut-In(2 End Shut	tion Flow (1)) -In(1) Flow (2) ?) -In(2)	
·	Recovery		т			Ga	s Rates		,
Length (ft)	Description	Volume (bbl)	4			Choke (inches) Pres	sure (psig)	Gas Rate (Mcf/d)
	Slighly Mud cut Water wi Mud 2% Water 98%	th show of Oil 5.71 0.00	+						
	Clean Oil 100%	1.30	+						
	Corrected Grav. Oil 31	0.00	+						
	Recov. Resist21 ohms		1						
	Recov. Chlorides 19,000		†						
↓↓	,	··· .	4						

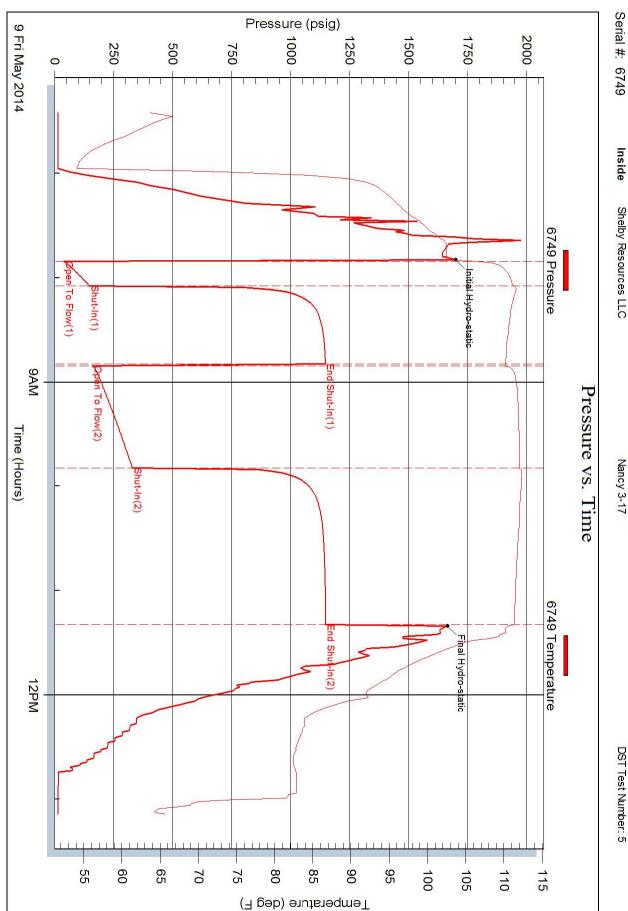
		DRILL STEM	TES	T REPO	ORT				
ENTI	ERPRISES LLC	Shelby Resources LLC			17/	17S/13V	V/Bartor	I	
	Correst .	2717 Canal Boulevard			Na	ncy 3-17	,		
		Suite C Hays, Kansas 67601			Job	Ticket: 18	3257	DST#	#: 5
		ATTN: Jeremy Schwartz	<u>z</u>		Tes	t Start: 20)14.05.09 (@ 06:24:00)
GENERAL IN	NFORMATION:								
Formation: Deviated: Time Tool Open Time Test Ende		ft (KB)			Tes Tes Unit	ter: I	Conventior Ken Sw inr 3325 Grea	iey	Hole (Initial)
Interval: Total Depth:	3468.00 ft (KB) (TV	,			Refe	erence Ele		1965.0	00 ft (KB) 00 ft (CF)
Hole Diameter:	7.80 inches Hole	e Condition: Fair				KBt	:o GR/CF:	13.0	DO ft
Serial #: 89 Press@RunDep Start Date: Start Time:	pth: 1147.53 psig 2014.05.09 06:24:00	@ 3465.00 ft (KB) End Date: End Time: Minutes/Good blow /Blow bit		2014.05.09 13:08:00	Capacity Last Calil Time On Time Off	b.: Btm: 2 Btm: 2		5000.0 2014.05.0 @ 07:48:3 @ 11:20:3	30
	2ND Open 60	Minutes/Very weak surface Minutes/Good blow/Blow bu Minutes/No blow back					RESUM	MARY	
	ST& Pressure	5935 Temperature							
2000			115	Time	Pressure	Temp	Annota	tion	
2000			- 110	(Min.)	(psig)	(deg F)			
1750			- 110	-		•	Initial Hyc	Iro-static	
-			- 110	(Min.) 0 1 16	(psig) 1675.21 35.67 146.53	(deg F) 103.05 103.01 111.88	Initial Hyc Open To Shut-In(1	lro-static Flow (1))	
1770			- 110 - 105 - 105 - 55 - 59 - 9	(Min.) 0 1 16 61	(psig) 1675.21 35.67 146.53 1146.23	(deg F) 103.05 103.01 111.88 112.22	Initial Hyc Open To Shut-In(1 End Shut	Iro-static Flow (1)) -In(1)	
1730			- 110 - 105 - 105 - 55 - 59 - 9	(Min.) 0 1 16	(psig) 1675.21 35.67 146.53	(deg F) 103.05 103.01 111.88 112.22	Initial Hyc Open To Shut-In(1 End Shut Open To	Iro-static Flow (1)) -In(1) Flow (2)	
1730			- 110 	(Min.) 0 1 16 61 62	(psig) 1675.21 35.67 146.53 1146.23 158.14	(deg F) 103.05 103.01 111.88 112.22 111.57	Initial Hyc Open To Shut-In(1 End Shut Open To Shut-In(2 End Shut	Iro-static Flow (1)) -In(1) Flow (2)) -In(2)	
1750			110 110 105 100 105 100 100 100 100 100	(Min.) 0 16 61 62 121 211	(psig) 1675.21 35.67 146.53 1146.23 158.14 328.02 1147.53	(deg F) 103.05 103.01 111.88 112.22 111.57 112.80 112.75	Initial Hyc Open To Shut-In(1 End Shut Open To Shut-In(2 End Shut	Iro-static Flow (1)) -In(1) Flow (2)) -In(2)	
1750 1500 1500 1500 100 1000 1	Sector() Des Ta Fac()		110 100 1005 1005 1005 1005 1005 1005 1	(Min.) 0 16 61 62 121 211	(psig) 1675.21 35.67 146.53 1146.23 158.14 328.02 1147.53	(deg F) 103.05 103.01 111.88 112.22 111.57 112.80 112.75	Initial Hyc Open To Shut-In(1 End Shut Open To Shut-In(2 End Shut	Iro-static Flow (1)) -In(1) Flow (2)) -In(2)	
			1110 1110 105 100 105 100 100 100 100 10	(Min.) 0 16 61 62 121 211	(psig) 1675.21 35.67 146.53 1146.23 158.14 328.02 1147.53	(deg F) 103.05 103.01 111.88 112.22 111.57 112.80 112.75	Initial Hyc Open To Shut-In(1 End Shut Open To Shut-In(2 End Shut	Iro-static Flow (1)) -In(1) Flow (2)) -In(2)	
1773) 1773) 1250) 1250) 1250) 10000 10000 10000 100000 10000 10000 10000 10000 10000 10000 1	944		1110 1110 105 100 105 100 100 100 100 10	(Min.) 0 16 61 62 121 211	(psig) 1675.21 35.67 146.53 1146.23 158.14 328.02 1147.53	(deg F) 103.05 103.01 111.88 112.22 111.57 112.80 112.75 112.93	Initial Hyc Open To Shut-In(1 End Shut Open To Shut-In(2 End Shut	Iro-static Flow (1)) -In(1) Flow (2)) -In(2)	
	Seal		1110 1110 105 100 105 100 100 100 100 10	(Min.) 0 16 61 62 121 211	(psig) 1675.21 35.67 146.53 1146.23 158.14 328.02 1147.53	(deg F) 103.05 103.01 111.88 112.22 111.57 112.80 112.75 112.93	Initial Hyc Open To Shut-In(1 End Shut Open To Shut-In(2 End Shut Final Hyd	Iro-static Flow (1)) -In(1) Flow (2)) -In(2)	Gas Rate (Mcf/d)
1759 1759 1759 1759 1759 1000 100 1000 1	Recovery Description Slighly Mud cut Water w	Volume (bbl) ith show of Oil 5.71	1110 1110 105 100 105 100 100 100 100 10	(Min.) 0 16 61 62 121 211	(psig) 1675.21 35.67 146.53 1146.23 158.14 328.02 1147.53	(deg F) 103.05 103.01 111.88 112.22 111.57 112.80 112.75 112.93	Initial Hyc Open To Shut-In(1 End Shut Open To Shut-In(2 End Shut Final Hyd	Iro-static Flow (1)) -In(1) Flow (2)) -In(2) iro-static	Gas Rate (Mcf/d)
1759 179 17	Seaf Terre (Haars) Period Terre (Haars) Seaf Terre (Haars) Recovery Description Slighly Mud cut Water w Mud 2% Water 98%	Volume (bbl) ith show of Oil 5.71 0.00	1110 1110 105 100 105 100 100 100 100 10	(Min.) 0 16 61 62 121 211	(psig) 1675.21 35.67 146.53 1146.23 158.14 328.02 1147.53	(deg F) 103.05 103.01 111.88 112.22 111.57 112.80 112.75 112.93	Initial Hyc Open To Shut-In(1 End Shut Open To Shut-In(2 End Shut Final Hyd	Iro-static Flow (1)) -In(1) Flow (2)) -In(2) iro-static	Gas Rate (Mcf/d)
1739 1300	Recovery Description Slighly Mud cut Water w Mud 2% Water 98% Clean Oil 100%	Volume (bbl) ith show of Oil 5.71 0.00 1.30	1110 1110 105 100 105 100 100 100 100 10	(Min.) 0 16 61 62 121 211	(psig) 1675.21 35.67 146.53 1146.23 158.14 328.02 1147.53	(deg F) 103.05 103.01 111.88 112.22 111.57 112.80 112.75 112.93	Initial Hyc Open To Shut-In(1 End Shut Open To Shut-In(2 End Shut Final Hyd	Iro-static Flow (1)) -In(1) Flow (2)) -In(2) iro-static	Gas Rate (Mcf/d)
1729 1730	Recovery Description Slighly Mud cut Water w Mud 2% Water 98% Clean Oil 100% Corrected Grav. Oil 31	Volume (bbl) ith show of Oil 5.71 0.00 1.30 0.00	1110 1110 105 100 105 100 100 100 100 10	(Min.) 0 16 61 62 121 211	(psig) 1675.21 35.67 146.53 1146.23 158.14 328.02 1147.53	(deg F) 103.05 103.01 111.88 112.22 111.57 112.80 112.75 112.93	Initial Hyc Open To Shut-In(1 End Shut Open To Shut-In(2 End Shut Final Hyd	Iro-static Flow (1)) -In(1) Flow (2)) -In(2) iro-static	Gas Rate (Mcf/d)
1729 1229 1000 100 1000 1	Recovery Description Slighly Mud cut Water w Mud 2% Water 98% Clean Oil 100%	Volume (bbl) ith show of Oil 5.71 0.00 1.30 0.00 @75 deg 0.00	1100 1005 1005 1005 1005 1005 1005 1005	(Min.) 0 16 61 62 121 211	(psig) 1675.21 35.67 146.53 1146.23 158.14 328.02 1147.53	(deg F) 103.05 103.01 111.88 112.22 111.57 112.80 112.75 112.93	Initial Hyc Open To Shut-In(1 End Shut Open To Shut-In(2 End Shut Final Hyd	Iro-static Flow (1)) -In(1) Flow (2)) -In(2) iro-static	Gas Rate (Mct/d)

	ERI		DRI	LL STE	M TEST	REPO	RT	TOOL DIAGRA
		;	Shelby	Resources L	LC		17/17S/13W/Barton	
	CTCR		2717 C	anal Boulevar	ď		Nancy 3-17	
			Suite C	Kansas 67601	1		Job Ticket: 18257	DST#:5
				Jeremy Sch			Test Start: 2014.05.09 @	06:24:00
Tool Informatio	on		ļ					
Drill Pipe:	Length:	3121.00 ft	Diameter:	3.80 in	ches Volume:	43.78 bbl	I Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 in	ches Volume:	0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length:	328.07 ft	Diameter:	2.25 in	ches Volume:	1.61 bbl	Weight to Pull Loose:	80000.00 lb
Drill Pipe Above I		9.07 ft			Total Volume:	45.39 bbl	Tool Chased	0.00 ft
Depth to Top Pac		9.07 ft 3462.00 ft					String Weight: Initial	71000.00 lb
Depth to Bottom		5402.00 ft					Final	73000.00 lb
Interval between		6.00 ft						
Tool Length:	rackers.	28.00 ft						
Number of Packe	ers.	1	Diameter:	6.75 in	ches			
Tool Comments:								
Tool Description	on	Le	ngth (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut-In Tool			5.00			3445.00		
Hydraulic tool			5.00			3450.00		
Jars			5.00			3455.00		
Safety Joint			2.00			3457.00		
Packer			5.00			3462.00	22.00	Bottom Of Top Packer
Anchor			1.00			3463.00		
			1.00	6749	Inside	3464.00		
Recorder			1.00	8938	Outside	3465.00		
Recorder Recorder Bullnose			3.00			3468.00	6.00	Anchor Tool

	DRI	LL STEM TEST REPOR	Т	F	LUID SUMMAR
	Shelby	Resources LLC	17/17S/13	W/Barton	
	2717 0	Canal Boulevard	Nancy 3-1	7	
	Suite C		Job Ticket: 1		DST#:5
		Kansas 67601			
		Jeremy Schwartz	Test Start: 2	2014.05.09 @ 06	.24.00
lud and Cushion Info	rmation				
lud Type: Gel Chem		Cushion Type:		Oil A PI:	deg API
lud Weight: 9.00 lb/	-	Cushion Length:	ft	Water Salinity:	ppm
iscosity: 68.00 se		Cushion Volume:	bbl		
Ater Loss: 7.20 in ³		Gas Cushion Type:			
	nm.m	Gas Cushion Pressure:	psig		
alinity: 4400.00 pp Iter Cake: 1.00 inc					
ecovery Information					
		Recovery Table			
	Length ft	Description	Volume bbl		
-	620.00	Slighly Mud cut Water with show of Oil	5.708	3	
-	0.00	Mud 2% Water 98%	0.000		
ļ	93.00	Clean Oil 100%	1.30		
	0.00	Corrected Grav. Oil 31	0.000		
Γ	0.00	Recov. Resist21 ohms @75 deg	0.000	ס	
[0.00	Recov. Chlorides 19,000 ppm	0.000	ס	
	al Length: 713	.00 ft Total Volume: 7.013 bb	I		
Tota					
		Num Gas Bombs: 0	Serial #	-	
Num	n Fluid Samples: 0		Serial #	t	
Num Labo	n Fluid Samples: 0 oratory Name:	Num Gas Bombs: 0 Laboratory Location:	Serial #		
Num Labo	n Fluid Samples: 0		Serial #	t	
Num Labo	n Fluid Samples: 0 oratory Name:		Serial #	:	
Num Labo	n Fluid Samples: 0 oratory Name:		Serial #	:	
Num Labo	n Fluid Samples: 0 oratory Name:		Serial #	:	
Num Labo	n Fluid Samples: 0 oratory Name:		Serial #	<u>.</u>	
Num Labo	n Fluid Samples: 0 oratory Name:		Serial #	÷	
Num Labo	n Fluid Samples: 0 oratory Name:		Serial #	÷	
Num Labo	n Fluid Samples: 0 oratory Name:		Serial #	Ξ.	
Num Labo	n Fluid Samples: 0 oratory Name:		Serial #	Ξ.	
Num Labo	n Fluid Samples: 0 oratory Name:		Serial #	÷	
Num Labo	n Fluid Samples: 0 oratory Name:		Serial #	÷	
Num Labo	n Fluid Samples: 0 oratory Name:		Serial #	Ξ.	
Num Labo	n Fluid Samples: 0 oratory Name:		Serial #	Ξ.	
Num Labo	n Fluid Samples: 0 oratory Name:		Serial #	Ξ.	
Num Labo	n Fluid Samples: 0 oratory Name:		Serial #	Ξ.	
Num Labo	n Fluid Samples: 0 oratory Name:		Serial #	÷	
Num Labo	n Fluid Samples: 0 oratory Name:		Serial #	Ξ	
Num Labo	n Fluid Samples: 0 oratory Name:		Serial #	Ξ	
Num Labo	n Fluid Samples: 0 oratory Name:		Serial #	Ξ	
Num Labo	n Fluid Samples: 0 oratory Name:		Serial #	Ξ	
Num Labo	n Fluid Samples: 0 oratory Name:		Serial #	Ξ	

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Superior Testers Enterprises LLC Ref. No: 18257



Inside

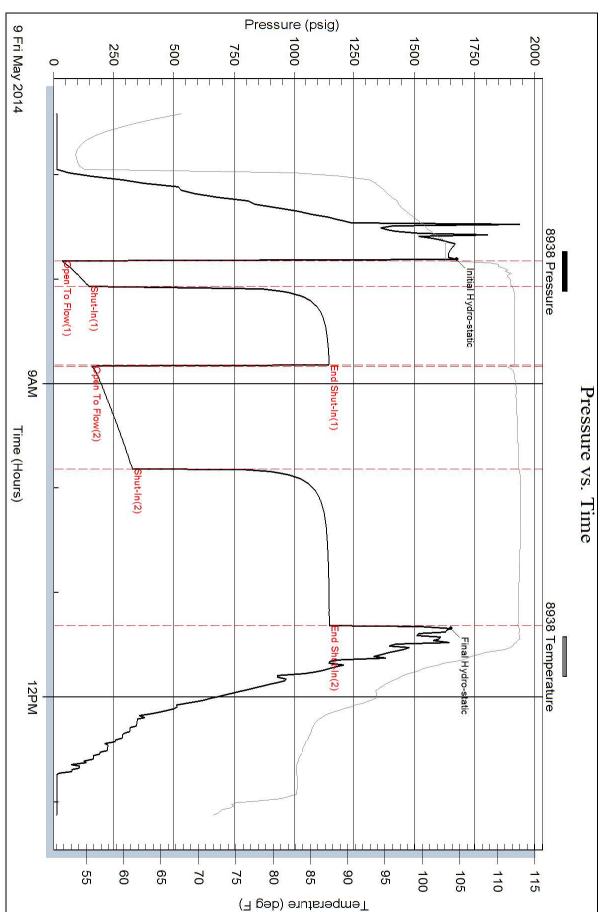
Shelby Resources LLC

Nancy 3-17

DST Test Number: 5

Printed: 2014.05.09 @ 13:29:16

Superior Testers Enterprises LLC Ref. No: 18257



Nancy 3-17

Serial #: 8938

Outside

Shelby Resources LLC

DST Test Number: 5



	▼	
	Scale 1:240 Imperial	
Well Name: Surface Location: Bottom Location: API: License Number:	Nancy #3-17 2146' FNL_1701' FWL Sec 17-17S-13W 15-009-25969-00-00	
Spud Date:	5/2/2014 Time:	7:45 PM
Region: Drilling Completed: Surface Coordinates: Bottom Hole Coordinates:	Barton County 5/9/2014 Time: Y = 694524 & X = 1917760	6:50 PM
Ground Elevation: K.B. Elevation: Logged Interval: Total Depth: Formation: Drilling Fluid Type:	1965.00ft 1978.00ft 2800.00ft To: 3525.00ft Lansing-Kansas City Chemical/Fresh Water Gel	3525.00ft
Company: Address:	OPERATOR Shelby Resources, LLC 445 Union Blvd, Suite 208 Lakewood, CO 80228	
Contact Geologist: Contact Phone Nbr: Well Name: Location:	Janine Sturdavant 303-907-2209 / 720-274-4682 Nancy #3-17 2146' FNL 1701' FWL Sec 17-17S-13WAPI:	15-009-25969-00-00

	LOGGED BY		
	$\mathbf{\forall}$		
Company: Address:	Shelby Resources, LLC 445 UNION BLVD. Suite 208 LAKEWOOD, CO. 80228		
Phone Nbr: Logged By:	203-671-6034 Geologist	Name:	Jeremy Schwartz

Field:

Country:

Trapp

USA

NOTES

The Shelby Resources Nancy #3-17 was drilled to a total depth of 3525', bottoming in the Arbuckle. A TookeDaq gas detector was employed in the drilling of said well.

5 DST's were conducted throughout the Lansing Kansas-City and Arbuckle Zones. The DST reports can be found at the bottom of this log.

Due to the DST results, sample shows, gas kicks, and log analysis it was determined by all parties involved to furthur test the well through production pipe. The dry samples were saved and will be available for furthur review at the Kansas Geological Society Well Sample Library, located in Wichita, KS.

Respectfully Submitted, Jeremy Schwartz Geologist Pool:

State:

Kansas

Longitude: N/S Co-ord: Y = 694524 Latitude:

E/W Co-ord:	X = 1917760
	CONTRACTOR
Contractor:	Sterling Drilling Co
Rig #:	5
Rig Type:	mud rotary
Spud Date:	5/2/2014
TD Date:	5/9/2014

Time: 7:45 PM Time: Time:

6:50 PM

ELEVATIONS

1978.00ft 13.00ft K.B. Elevation: K.B. to Ground:

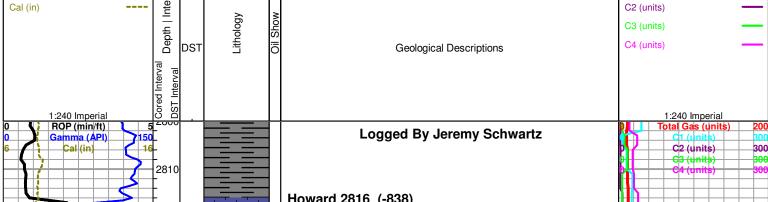
Rig Release:

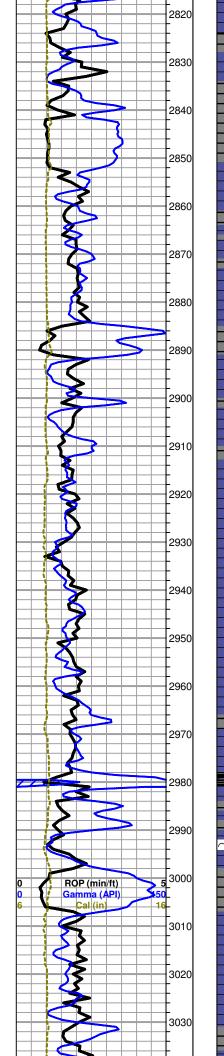
Ground Elevation: 1965.00ft

DATE	DEPTH	ΑCΤΙVITY
Tuesday, May 06, 2014	3050'	Geologist Jeremy Schwartz on location @ 0700hrs, DRLG ahead through King Hill,
		Queen Hill, Heebner, Toronto, Douglas, Brown Lime, LKC, CFS @ 3250', DRLG ahead
		CFS @ 3260, Short Trip, Strap Out, Drop Survey, Conduct DST #1
Wednesday, May 07, 2014	3260'	Successful Test, DRLG ahead, CFS @ 3278', DRLG ahead, CFS @ 3283'
	3283'	Conduct DST #2 In LKC "D-F', Successful Test, DRLG ahead
Thursday, May 08, 2014	3345'	DRLG ahead through LKC, CFS @ 3455', Conduct DST #3 in the Arbuckle
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	3455'	Successful test, DRLG ahead, CFS @ 3462', Conduct DST #4 in the Arbuckle,
Friday, May 09, 2014	3462'	Successful Test, DRLG ahead, CFS @ 3468', Conduct DST #5 in the Arbuckle,
	3468'	Successful Test, DRLG ahead, TD @ 3525' reached at 1850hrs, Conduct Logging Ops
Saturday, May 10, 2014	3525'	Logging Operations Complete @ 0245hrs
		Geologist Jeremy Schwartz off location @ 0330hrs

CLIENT:	5	SHELBY RES		.C																		
WELL NAME:		NANCI	V 610933 (2023)																			
LEGAL:	2146'	FNL & 1701'		7S-13W																		
COUNTY:		BAR	TON																			
API :		15-009-25	5969-0000																			
DRLG CONTRACTOR:		STERLING D	RILLING CC	).																		
RIG #:			5	7																		
DOGHOUSE #:		620-38	8-5433																			
TOOLPUSHER:		ALAN	LOFTIS																			
CELL #:		620-38	8-2736																			
																		1				
						SHELBY RESOURCES, LLC			-	SHELBY RES	SOUR	ES. LL	C	_		HELBY RES	OURC	ES, LLC		-		
		NANC	(#3-17				CY #2-:					and the second second second	Y #1-1		1505			HOFFM				_
		NE SW	SE NW		(	SW SW N	N 17-	175-13	w			N/2 SW N		COLUMN TWO IS NOT	W	-		C 5/2 NE 1	8-175	13W		_
	КВ		1978		КВ		1	997			КВ		19	992			КВ		1	945		
	LOG	TOPS	SAMPL	E TOPS	COM	. CARD	LC	G	SM	IPL.	COMP	. CARD	LC	)G	SN	IPL.	COMP.	CARD	L	06	SM	IPL.
FORMATION	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CO	RR.	CO	RR.	DEPTH	DATUM	CO	RR.	CO	RR.	DEPTH	DATUM	CO	RR.	CO	RR.
ANHYDRITE TOP	916	1062	916	1062	939	1058	+	4	+	4	928	1064	12	2		2	890	1055	+	7	+	7
BASE	944	1034	945	1033	965	1032	+	2	+	1	956	1036	-	2	1	3	917	1028	+	6	+	5
KING HILL	2978	-1000	2978	-1000	2994	-997	-	3	÷	3	2986	-994	-	6	×	6	2942	-997	-	3	-	3
QUEEN HILL	3042	-1064	3043	-1065	3059	-1062	-	2	5	3	3050	-1058	-	6	=	7	3005	-1060	-	4	-	5
HEEBNER SHALE	3129	-1151	3130	-1152	3146	-1149	-	2	-	3	3138	-1146	-14	5	1	6	3092	-1147	- 2	4	-	5
TORONTO	3144	-1166	3148	-1170	3163	-1166	+	0	2	4	3156	-1164	-	2	Ξ.	6	3109	-1164	-	2	-	6
DOUGLAS SHALE	3157	-1179	3155	-1177	3173	-1176	-	3	4	1	3166	-1174	-	5	¥.	3	3119	-1174	-	5	-	3
BROWN LIME	3212	-1234	3210	-1232	3229	-1232	-	2	+	0	3218	-1226	-	8	=	6	3173	-1228	-	6	-	4
LKC	3219	-1241	3218	-1240	3238	-1241	+	0	+	1	3228	-1236	- 25	5	-	4	3182	-1237	-	4	-	3
LKC G	3292	-1314	3292	-1314	3309	-1312	14	2	2	2	3300	-1308	-	6	2	6	3250	-1305	-	9	-	9
MUNCIE CREEK	3344	-1366	3344	-1366	3365	-1368	+	2	+	2	3354	-1362	-	4	×.	4	3309	-1364	-	2	-	2
LKC H	3349	-1371	3349	-1371	3372	-1375	+	4	+	4	3361	-1369	-	2	-	2	3316	-1371	+	0	+	0
STARK SHALE	3402	-1424	3403	-1425	3425	-1428	+	4	+	3	3413	-1421	-21	3	-	4	3369	-1424	+	0	-	1
BKC	3428	-1450	3426	-1448	3452	-1455	+	5	+	7	3438	-1446	-	4	-	2	3397	-1452	+	2	+	4
RE-WORKED ARB	3436	-1458	3436	-1458	- arreaceanal	-						-				1	anna bhla.	and a second				
ARBUCKLE	3455	-1477	3455	-1477	3473	-1476	-	1	-	1	3476	-1484	+	7	+	7	3412	-1467	-	10	-	10
RTD			3525	-1547							3539	-1547			+	0	3525	-1580			+	33
LTD	3528	-1550	0.50003400		3476	-1479	-	71			3537	-1545	-	5			3526	-1581	+	31		
					Carallel Patrices	TE	STED		-	-		TE	TED			-	0.0000000	TES	TED		_	
					DS	T #1 (3236-	-	LKC "A	A-D"		D	ST #1 (3228	-	) LKC	A-D		DS	T #1 (3176-		LKC A	-D	_
PROGNO	SIS				15-60-60-120							15-60							06 2 M			
ANHYDRITE TOP	920	1058				Good Blow BOB 3:45SEC				15				MIN			FF - BC					
HEEBNER SHALE	3125	-1147				Good Blow BOB 3:45SEC 1ST OPEN STRONG - BOB 3MIN BB built to 6IN BB BOB 7MIN																
	0010					RR DAILY CO PINY CONTRACTOR CONTRACT					BOB BLO BKS											

BKC 3425 -1 ARBUCKLE 3464 -1	.447 .486 .572 6	od Blow BOB SMIN, G IS 45MIN BB BOB 6MIN 864' CGO (70%O, 30%G) SIP: 566-567 OST #2 (3297-3321) LKC "F-G" 15-60-60-120 Good Blow BOB 9MIN No BB Godd Blow BOB 9MIN No BB Godd Blow BOB 10:30SEC No BB 30' GIP, 437' CGO, 63' OMCW SIP: 513-511 OST #3 (3355-3455) LKC "H-K" 15-45-60-90 Fair Blow built to 2.5IN No BB Fair Blow built to 5.IN No BB 97' Mud SIP: 735-711 DST #4 (3449-3485) Arbuckle 15-45-20 Weak Surface Blow No BB	BB BOB 4MIN BB BOB 4MIN 504' MCOG (G 50%, O 40%, M 10%) 300' MCGO (O 75%, G 20%, M 5%) SIP: 639 - 664 DST #2 (3287 - 3312) LKC F-G 15-60-60-120 1ST OPEN STRONG - BOB 9MIN BB BUILT TO 1IN 2ND OPEN STRONG - BOB 2MIN BB BUILT TO 3IN 156' CGO (O 75%, G 30%) 126' GMO (0 40%, M 40%, G 20%) SIP: 640 - 636 DST #3 (3335 - 3452) LKC H-K 15-60-10 1ST OPEN WEAK - BUILT TO 1/2IN NO BB 2ND OPEN DEAD 15'M SIP: 936 - N/A	982# / 1038# 982# / 1038# DST #2 (3238-3261) LKC F-G IF BOB 1M, BL BK BOB 970' CGO, 60' OCM 780# / 718# DST #3 (3300-3390) IF FAIR TO BOB 3M, BOB BL BK FF - BOB 1M, GTSD 55M FSI BOB BL BK 1380' CO, 120'OCM 1113# / 1122# DST #4 (3388-3422) ARBUCKLE IF WK TO 7", WK BLO BK FF - WK TO 10" - NO BLO BK 230' CO, 90'OCM 1101# / 1086# DST #5(3423-3444) ARBUCKLE IF GOD TO BOB 2M, WK BLO BK FF - GOD TO BOB 3M, NO BLO BK 15' CO, 1500' WTR W/ TR OIL 60' WCM
Congl	Lmst fw<7	o Blow, Flushed Tool, Pull Test 5' MUD SIP: 982-53 ROCK TYPES Carbon Sh shale, red		1146# / 1142#
		ACCESSORIES	2	
Bioclastic or Fragmental	RINGER Chert Limestone	<b>TEXTURE</b> C Chalky	,	
		OTHER SYMBOL	_S	
Daily Report   O     Digital Photo   O     Document   O	Good Show Fair Show 50-75 Poor Show 25-50 Spotted or Trace 1-25 Questionable Stn Dead Oil Stn Fluorescence	DST Int DST alt		
	· · · · ·		Printed by GEOstrip VC Strip	log version 4.0.7.0 (www.grsi.ca)
Curve Track #1 ROP (min/ft) Gamma (API) Cal (in)	ology			TG, C1 - C5         Total Gas (units)         C1 (units)         C2 (units)         C3 (units)





LS, cream to tan with some gray, micro-xln, lithographic and dense with poor visible porosity, also with abundant gray shale, no shows or odor

Shale, gray, mostly soft and waxy

LS, cream to tan with some gray, fossiliferous, some gray mottled, dense with poor visible porosity, no shows or odor

LS as above

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Topeka 2891 (-913)

LS, cream to tan with some light gray and brown, micro-crypto xln, mostly fossiliferous, some lithographic, dense with poor visible porosity, no shows or odor

LS as above, no shows or odor

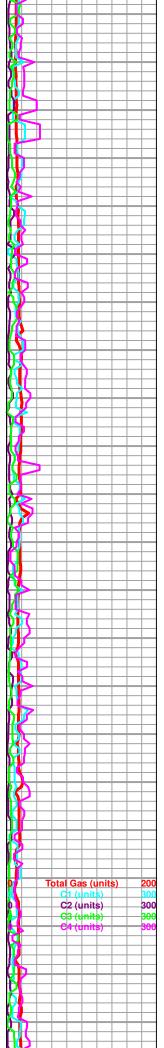
LS, cream with some scattered off-white and light gray, mostly lithographic, some scattered fossiliferous, mostly dense with poor visible porosity, some scattered soft and chalky in part, no shows or odor

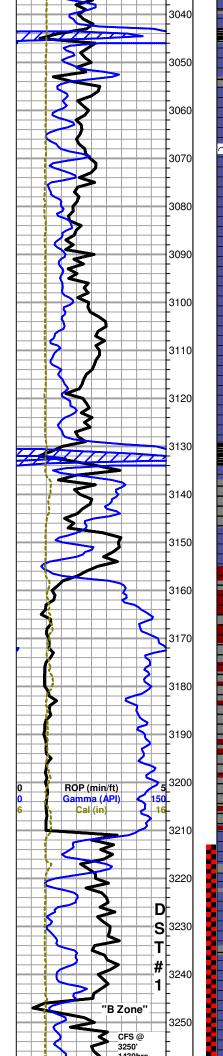
### King Hill 2978 (-1000)

Shale, black carbonaceous

LS, cream to gray, micro-crypto xln, some fossiliferous, some lithographic, dense with poor visible porosity, no shows or odor

LS, cream to gray, micro-xln, fossiliferous, dense with poor visible porosity, no shows or odor





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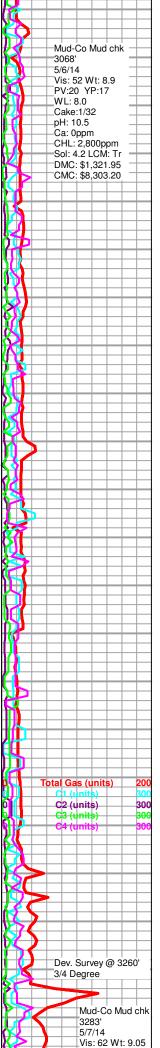
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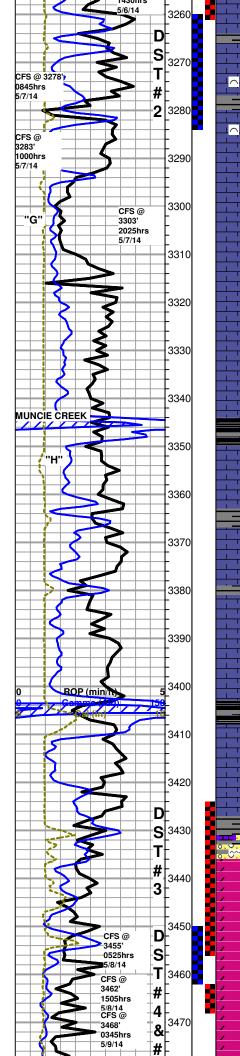
## Queen Hill 3043 (-1065) Shale, black carbonaceous LS, cream with some scattered light gray, micro-xln, fossiliferous, dense with poor visible porosity, no shows or odor LS, cream with some scatered off-white and light gray, micro-crypto xln, mostly lithographic, some scattered fossiliferous, mostly dense with poor visible porosity, some soft and chalky in part, no shows or odor LS, cream to gray, micro-xln, fossiliferous, hard and dense with poor visible porosity, no shows or odor LS, cream with some scattered light gray and very scattered off-white, mostly fossiliferous, hard and dense with poor visible porosity, some very scattered soft and chalky in part, no shows or odor Heebner 3130 (-1152) Shale, black carbonaceous Toronto 3148 (-1170) LS, white to cream, mostly crypto-xln, lithographic with poor visible porosity, slightly chalky, no shows or odor Douglas Shale 3155 (-1177) Red and Gray shale, mostly soft and waxy, some scattered blocky and dense Shale, mostly gray with some red Brown Lime 3210 (-1232) LS, brown with some gray and cream, micro-xln, fossiliferous, hard and dense with poor visible porosity, no shows or odor LKC 3218 (-1240) LS, cream to light gray, micro-xln, mostly lithographic and dense with poor visible porosity, some very scattered chips (~5-10% of tray) with few small edge vugs to slightly vuggy edges with brown stain mostly in porosity only, few very small chips (<5%) with slightly vuggy porosity and mostly saturated brown to black stain, slow streaming cut with milky white fluorescence, fair show free oil in tray (mostly opaque droplets with few brown), fair odor

LS, gray to cream, micro-xln, some fossiliferous, some lithographic, dense with poor visible porosity, no shows or odor

#### 菌 Nancy 3-17 DST #1.jpg

- 3250' 30" LS, cream to gray, micro-xln, oolitic to oomoldic, with fair visible oomold porosity and mostly saturated to saturated brown to black stain, few chips also have slightly vuggy edges, slow streaming cut with milky white fluorescence, SSFO and gas bubbles, good odor
- I C aream to area miaro via fossiliforava danao with a





very scattered chips (~5% of tray) with several very small vugs to slightly vuggy edges and poor black to very light golden brown stain in vugs only, NSFO, poor odor

#### Nancy 3-17 DST #2.jpg

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3278' 30 & 60" LS, cream to gray, micro-xln, fossiliferous, dense with poor visible porosity, few chips (<5% of tray) with several very small vugs and poor very light golden brown stain mostly in vugs only, weak cut with dull flourescence, poor odor

3283' 30" LS, cream to gray, micro-xln, fossiliferous, mostly dense with poor visible porosity, few chips (~5% of tray) with small scsattered vugs to slightly vuggy edges and scattered very light golden brown stain in and around vugs, stain increases in color to brown when left under lamp for several minutes, slow streaming cut with milky white fluorescence, NSFO, slight show gas bubbles in tray, poor odor

60" Mostly same as above, slight increase in shows (~5-10%), upon break few chips have slight show free oil, poor odor in tray

3303' 30 LS, cream with some scattered light gray, micro-xln, mix of dense with poor visible porosity and soft and chalky in part, some scattered sub-oolitic to sub-oomoldic with poor visible porosity, very chalky with heavy chalky wash, no shows or odor

60" Mostly same as above, with slight influx in sub-oomoldic to oomoldic, mostly dense with poor visible porosity, few chips with fair visible oomold porosity, barren, very chalky, no shows or odor

3310' LS as above, very chalky, no shows or odor

3320' LS, cream to gray, micro-xln, some lithographic, some scattered suboolitic to sub-oomoldic, dense with poor visible porosity, chalky, no shows or odor

3330' LS, gray to cream with some scattered brown, micro-xln, some lithographic, some slightly fossiliferous, dense with poor visible porosity, slightly chalky, no shows or odor

3340' LS, gray with some scattered cream and brown, micro-xln, mostly lithographic, some slightly fossiliferous, dense with poor visible porosity, no shows or odor

 $3350^{\circ}\,\text{LS},$  gray to cream, micro-xln, fossiliferous and dense with poor visible porosity, no shows or odor

LS, cream to gray, micro-xln, mostly lithographic and dense with poor visible porosity, some scattered soft and chalky, no shows or odor

LS, cream, micro-xln, lithographic and dense with poor visible porosity, few chips (<5% of tray) with one to two small edge vugs and dead black to poor brown stain in vugs only, very weak to no cut, no odor

LS, cream with some scattered gray, micro-xln, mostly lithographic and dense with poor visible porosity, some soft and chalky in part, no shows or odor

LS, cream, micro-xln, mostly lithographic and dense with some soft and chalky, few chips (<5% of tray) oomoldic with poor visible porosity and dead black to brown stain in oomolds and partly in matrix around oomolds, very weak to no cut, poor fleeting odor in cup

### Stark Shale 3403 (-1425)

LS, cream, micro-xln, mostly lithographic and dense with poor visible porosity, some soft and chalky, few very scattered chips (~5-10% of tray) with one to two small vugs with poor black to brown stain in vugs only and partly in matrix around vugs in few chips, upon break one chip has very slight show free oil, very slow weak cut, poor odor

LS, cream, micro-xln, mostly lithographic and dense, some scattered slightly fossiliferous and also some scattered soft and chalky, few scattered chips (~10% of tray) with poor to fair vf pinpoint porosity and one to two small vugs with poor stain as above, found several small chips (<5% of tray) mostly saturated to saturated brown stain, instant cut with bright white fluorescence, poor odor in cup

#### BKC 3426 (-1448)

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LS, cream, mostly lithographic and dense with poor visible porosity, also with some gray shale and very scattered orange to tan and opaque chert, no shows or odor

#### Re-worked Arbuckle 3436 (-1458)

#### Nancy 3-17 DST #3.jpg

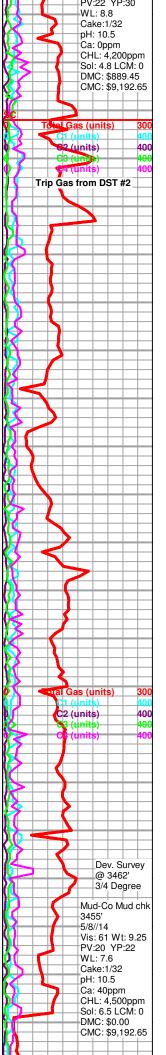
Dolomite, cream to tan, micro-xln, mostly hard and dense with poor visible porosity, some scattered (~20%) with vf pinpoint porosity to sub-sucrosic with scattered to mostly saturated brown to black stain, few chips saturated, few chips also with one to two very small vugs and slowly bleeding oil droplets when left under lamp for several minutes, instant streaming cut with bright white fluorescence, fair show free oil in tray, the start of the start o

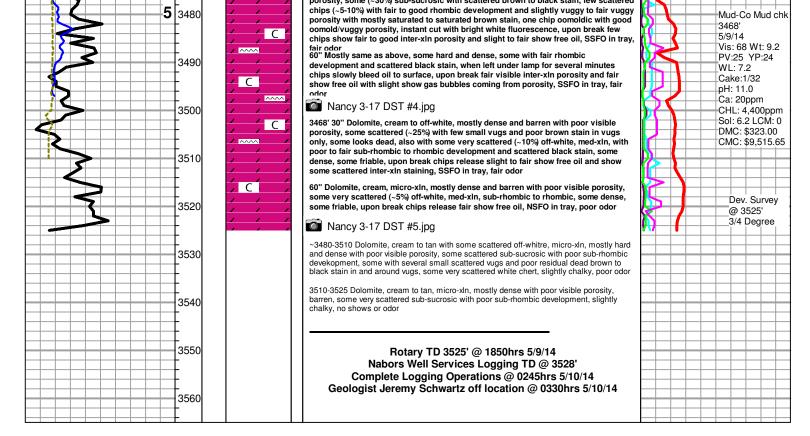
### Clean Arbuckle Dolomite 3455 (-1477)

3455' 30" Dolomite, mostly same as above with slightly less shows, also with some scattered chert, slightly chalky, fair show free oil in tray, fair odor

60" Dolomite, cream to tan, mostly dense with poor visible porosity, barren, few scattlered chips (~10%) with vf pinpoint porosity and scattered to mostly saturated brown to black stain, few chips (<5%) sub-sucrosic with poor to fair rhombic development and scattered black stain, slow streaming cut with milky white fluorescence, SSFO, fair odor

3462' 30" Dolomite, cream to light brown, micro-xIn, some dense with poor visible





	Nancy 3-1	7 DST #1.jpg						
RERIA	DRILL STEM TE	ST REP	ORT					
ENTERPRISES LLC	Shelby Resources LLC		17/	17S/13W	//Barton			
	2717 Canal Boulevard		Nancy 3-17					
	Suite C Hays, Kansas 67601		Job	Ticket: 182	253 <b>D</b>	ST#: 1		
	ATTN: Jeremy Schwartz		Tes	t Start: 20	14.05.06 @ 21:37	:00		
GENERAL INFORMATION	l:							
Formation:Lansing/KaDeviated:NoWhiTime Tool Opened:23:37:30Time Test Ended:04:43:30		Test Type: Conventional Bottom Hole (In Tester: Ken Sw inney Unit No: 3325 Great Bend/						
	<b>) To 3260.00 ft (KB) (TVD)</b> : (KB) (TVD)		Refe	erence Elev		78.00 ft(KB) 65.00 ft(CF)		
	ichesHole Condition: Fair			KB to		3.00 ft		
Start Date: 201	02 psig @ ft (KB) 4.05.06 End Date: 1:37:00 End Time: en 15 Minutes/Good blow /Blow bu	2014.05.07 04:43:30 ilt to bottom of bi	Capacity Last Calil Time On Time Off ucket in 13 m	o.: Btm: 2 Btm: 2	500 2014.0 014.05.06 @ 23:3 014.05.07 @ 03:0	36:00		
1ST Sh 2ND Op 2ND Sh ₽	60 Minutes/Strong blow /Blow blow		to bottom of bucket in 30 seconds then slow ed considerably nen died in 15 minutes PRESSURE SUMMARY					
6745 Pressure	6745 Temperature 1		Pressure	Temp	Annotation			
7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 7500 75000 7500 7500 7500 7500 75000 7500 7500 7500 7500 7500		62 63 121 211 212 212	(psig) 1601.66 49.82 62.84 770.68 63.11 98.02 791.85 1559.65	107.23 106.83 107.35 107.18 107.44 107.91	Initial Hydro-static Open To Flow (1) Shut-In(1) End Shut-In(1) Open To Flow (2) Shut-In(2) End Shut-In(2) Final Hydro-static			
Re	Recovery				Rates			
Length (ft)         Des           120.00         Oily Mud/Oil 200           0.00         180 feet of gas				Choke (in	nches) Pressure (psig)	Gas Rate (Mcf/d)		
-					0014.05.07 @ 04			

Superior Testers Enterprises LLC

Ref. No: 18253

Printed: 2014.05.07 @ 04:55:38

	Nancy 3-17 D	ST #2.jpg				
RERIG	DRILL STEM TES	T REP	ORT			
ENTERPRISES LLC	Shelby Resources LLC	17/17S/13W/Barton				
COTES?	2717 Canal Boulevard Suite C Hays, Kansas 67601		<b>Nancy 3-17</b> Job Ticket: 18254 Test Start: 2014.05.07 @ 13:1		DST#: 2	
	ATTN: Jeremy Schwartz		les	t Start: 20	J14.05.07 @	13:10:00
1ST Shut In 45	ft (KB) <b>83.00 ft (KB) (TVD)</b> /D) • Condition: Fair @ 3279.00 ft (KB)	0	Tes Unit Refu Capacity Last Calil Time On Time Off did not build	ter: I No: : erence Ee KB t : b.: Btm: ;	Ken Swinne 3325 Great I evations: to GR/CF:	Bend/32 1978.00 ft (KB) 1965.00 ft (CF) 13.00 ft 5000.00 psig 2014.05.07 @ 14:16:30
Pressure vs. T	ime		PF	RESSUF	RESUMM	ARY
100 Presure 100 P	COD TOTAL OF ALL	Time (Min.) 0 1 12 61 61 73 74	Pressure (psig) 1608.27 41.03 42.77 94.43 50.71 56.21 1575.92	Temp (deg F) 104.39 104.12 104.77 106.69 106.69	Annotatic Initial Hydro Open To F	on o-static low (1) n(1) low (2)
Recovery				Ga	s Rates	
Length (ft) Description 30.00 Mud 100%	Volume (bbl) 0.00			Choke (i	nches) Pressu	Gas Rate (Mcf/d
Superior Testers Enterprises LLC	Ref. No: 18254				2014 05 07	

Superior Testers Enterprises LLC Ref. No: 18254

Printed: 2014.05.07 @ 17:08:47

	Nancy 3-17 [	OST #3.jpg						
RERIG	DRILL STEM TES	TREP	ORT					
ENTERPRISES LLC	Shelby Resources LLC		17/	17S/13W	V/Barton			
COTEN:	2717 Canal Boulevard Suite C Hays, Kansas 67601 ATTN: Jeremy Schwartz		Job	n <b>cy 3-17</b> Ticket: 18 t Start: 20		<b>DST#:</b> 3 08:09:00	1	
GENERAL INFORMATION:								
Formation:ArbuckleDeviated:NoWhipstock:Time Tool Opened:09:16:00Time Test Ended:12:00:30	ft (KB)		Tes Tes Unit	ter: ł	Conventional Ken Swinney 3325 Great E	(	e (Initial)	
Total Depth: 3455.00 ft (KB) (T	<b>455.00 ft (KB) (TVD)</b> VD) e Condition: Fair		Refe	erence ⊟e KB te	evations: o GR/CF:	1978.00 1965.00 13.00	ft (CF)	
Serial #: 6749         Inside           Press@RunDepth:         56.70 psig           Start Date:         2014.05.08           Start Time:         08:09:00	@ 3451.00 ft (KB) End Date: End Time:	2014.05.08 12:00:30	Capacity Last Calit Time On Time Off	o.: Btm: 2	2 2014.05.08 @ 2014.05.08 @		psig	
1ST Shut In 4	5 Minutes/Weak blow /Blow built to 5 Minutes/No blow back 0 Minutes/Dead no blow /Flush tool ı		est					
Pressure vs.		PRESSURE SUMMARY						
Créd Pressue 1750 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500	1000 Temperature 1000 Temperature 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000	Time (Min.) 0 1 17 61 62 74 76	Pressure (psig) 1687.79 43.33 56.70 929.45 56.85 59.42 1679.14	Temp (deg F) 108.44 107.81 108.19 109.37 109.18 109.26 109.84	Open To Flo Shut-In(1) End Shut-In Open To Flo Shut-In(2)	-static ow (1) (1) ow (2)		
Recovery				Gas	s Rates			
Length (ft)     Description       15.00     Oily Mud/Oil 30% Mud 7/       15.00     Mud cut Oil/Mud 5% Oil				Choke (ir	nches) Pressur	e (psig) Ga	s Rate (Mcf/d)	
	· · · · · · · · · · · · · · · · · · ·	1						

Superior Testers Enterprises LLC Ref. No: 18255

Printed: 2014.05.08 @ 12:13:14

	Nancy 3-17 D	ST #4.jpg				
RERIA	DRILL STEM TES	TREP	ORT			
	Shelby Resources LLC		17/	17S/13V	V/Bartor	า
COTERS.	2717 Canal Boulevard Suite C Hays, Kansas 67601 ATTN: Jeremy Schwartz		Job	<b>ncy 3-17</b> Ticket: 18 t Start: 20	3256	<b>DST#:4</b> @ 18:10:00
GENERAL INFORMATION:	4					
Formation:ArbuckleDeviated:NoWhipstock:Time Tool Opened:19:27:30Time Test Ended:00:37:00	ft (KB)		Tes Tes Unit	ter: I	Ken Sw inr	nal Bottom Hole (Initial) ney at Bend/32
Interval:         3450.00 ft (KB) To         3           Total Depth:         3462.00 ft (KB) (T         (KB) (T           Hole Diameter:         7.80 inches Ho			Refe	erence ⊟e KB t	evations:	1978.00 ft (KB) 1965.00 ft (CF) 13.00 ft
	End Date: End Time: 15 Minutes/Fair blow /Blow built to 6	2014.05.09 00:37:00 inches	Capacity Last Calil Time On Time Off	o.: Btm: 2		5000.00 psig 2014.05.09 8 @ 19:26:30 8 @ 22:56:30
2ND Open	5 Minutes/No blow back 30 Minutes/Good blow /Blow built to 7 0 Minutes/No blow back Time				RE SUMI	
175 175 175 175 175 175 175 175	000 Temponaco 000 Te	Time (Min.) 0 16 61 61 121 210 210	Pressure (psig) 1676.95 39.13 67.35 1102.99 74.29 155.71 1077.81 1648.86	102.16 103.83 107.11 106.91 109.06	End Shut Open To Shut-In(2 End Shut	dro-static Flow (1) I) t-ln(1) Flow (2) 2)
Recovery				Ga	s Rates	
Length (ft)Description60.00Oily Mud/Oil 30% Mud 760.00Muddy Oil/Mud 40% Oil195.00Clean Oil 100%0.00Corrected Grav. Oil 32	Volume (bbl)           0%         0.30			Choke (i	nches) Pres	ssure (psig) Gas Rate (Mcf/d)
						00 @ 00.50.24

Superior Testers Enterprises LLC

Ref. No: 18256

Printed: 2014.05.09 @ 00:59:34

620.00         Slighly Mud cut Water with show of Oil         5.71           0.00         Mud 2% Water 98%         0.00           93.00         Clean Oil 100%         1.30				Nancy 3-17 E	OST #5.jpg							
PERFORMENTION:         2717 Canal Boulevard Sufe C Sufe C Hays, Kanass 67601 ATTN: Jeremy Schwartz       Nancy 3-17 Job Ticket: 18257 DST#:5 ATTN: Jeremy Schwartz         CenterAL INFORMATION:         Conventional Bottom Hole (h Theys, Kanass 67601 ATTN: Jeremy Schwartz         Deviate: No Whipstock: ft (KB) Deviated: No Whipstock: ft (KB) The Tool Opened: 07:50:30 Time Tool School 07:60:30 Time Tool School 07:60:30 Time Tool Inf(KB) (TVD)       Test Type: Conventional Bottom Hole (h Tester: Ken Swinney Unit No: 3325 Great Bend/32         Interval: 3463:00 ft (KB) (TVD) Total Depth: 3468:00 ft (KB) (TVD)       Reference Elevations: 1978:00 ft (25:00.00 ps 1938:00 ft (KB) (TVD)         Start Time: 0.62:4:00 Eles Collbi: 2014:05:09 Start Time: 0.62:4:00 Eles Collbi: 2014:05:09 Start Time: 0.62:4:00 Eles Collbi: 2014:05:09 Start Time: 0.62:4:00 Eles Collbi: 2014:05:09 Start Time: 0.62:4:00 Eles Collbi: 2014:05:09 Time Off Btm: 2014:05:09 Time Off Btm: 2014:05:09 Start Time: 0.62:4:00 Eles Collbi: 2014:05:09 Start Time: 0.62:4:00 Eles Collbi: 2014:05:09 Time Off Btm: 2014:0		PERIO	DRILL S	TEM TES	TREP	ORT						
Suite C Hays, Kansas 67601 ATN: Jeremy Schwartz     Job Ticket: 18257     DST#: 5       GENERAL INFORMATION: Formation:     ATN: Jeremy Schwartz     Test Start: 2014.05.09 @ 06:24:00       GENERAL INFORMATION: Formation:     Anothe Multiple Conventional Bottom Hole (k Time Tool Opend: 07:503.01     Test Type: Start Time Test Ended: 13:08:30     Test Type: Start Time Test Ended: 13:08:30       Interval:     3468.00 ft (KB) (TVD) Hole Diameter:     7.80 inches/Hole Condition: Fair     Reference Elevations: 1978:00 ft (CB) 1965:00 ft (KB) (TVD)       Start Time:     06:24:00     End Date: 2014.05.09     2014.05.09     Capacity: 2014.05.09     2000.00 ps 2014.05.09       Start Time:     06:24:00     End Date: 2014.05.09     2014.05.09     Time Off Btm: 2014.05.09 @ 07:49:30       TEST COMMENT:     1ST Shutin 4 Minutes/Good blow/Blow built to bottom of bucket in 10 minutes 2014.05.09 @ 07:49:30     Time Off Btm: 2014.05.09 @ 07:49:30       TEST COMMENT:     1ST Shutin 4 Minutes/Good blow/Blow built to bottom of bucket in 10 minutes 2014.05.09 @ 07:49:30     Time Off Btm: 2014.05.09 @ 07:49:30       Test Start Time:     06:24:00     End Time:     13:08:30     Time Off Btm: 2014.05.09 @ 07:49:30       Test Start Time:     06:24:00     End Time:     13:08:30     Time Off Btm: 2014.05:09 @ 07:49:30       Test Start Time:     16 Minutes/Good blow/Blow built to bottom of bucket in 10 minutes     Time Off Btm: 2014.05:09 @ 06:76:00 (11)       Test Start Time:     16 Mi	ENTERPRISES LLC Shelby F			elby Resources LLC				17/17S/13W/Barton				
Hays, Kansas 67601 ATTN: Jeremy Schwartz     Toel field: 1025/ Toel Start: 2014.05.09 @ 06:24:00       GENERAL INFORMATION: Formation:     Arbuckle Devlated:     No     Whipstock:     ft (KB)       Time Tool Opened: 07:50:30 Time Tost Ended:     Tost Start:     Conventional Bottom Hole (k Test Er; Ken Sw Inney Unit No:     2325 Great Bend/32       Interval:     3468.00 ft (KB) (TVD)     Test Fire:     KB to GR/CF:     13.00 ft       Total Depth:     3468.00 ft (KB) (TVD)     Test Total Conventional Bottom Hole (k Total Depth:     1978.00 ft       Serial #:     67.49     Inside     Test Total Conventional Bottom Hole (k Total Depth:     228.99 psig     3464.00 ft (KB)       Start Date:     06:24.00     End Date:     2014.05.09 @ 07.49.30     Time On Bim:     2014.05.09 @ 07.49.30       Time:     06:24.00     End Time:     13.08.30     Time On Bim:     2014.05.09 @ 07.49.30       TEST COMMENT:     1ST Open     15 Minutes/Good blow/Blow built to bottom of bucket in 10 minutes     214.05.09 @ 01.120.30       TEST COMMENT:     1ST Open     15 Minutes/Good blow/Blow built to bottom of bucket in 12 minutes     210.05.09 @ 01.20.40       UP     Verseure With 45 Minutes/Good blow/Blow back     100 minutes     110.30     110.30       Time Tool Dopen     15 Minutes/Open 60 Minutes/Open 40 Minutes		COTEN-		llevard		Na	ncy 3-17					
ATTN: Jeremy Schwartz       Test Start: 2014.05.09 @ 06:24:00         GENERAL INFORMATION:       Formation:       Artnukte         Deviated:       No       Whipstock:       ft (KB)         Time Tool Opened: 07:50:30       Test Type:       Conventional Bottom Hole (in Trobio Opened: 07:50:30)         Time Tool Opened: 07:50:30       Test Type:       Conventional Bottom Hole (in Trobio Opened: 07:50:30)         Time Tool Opened: 07:50:30       Test Start: 2014.05:09 @ 07:40:30       Test Type:         Otal Depth:       3465.00 ft (KB) (TVD)       Reference Elevations:       1978.00 ft (KB)         Total Depth:       3465.00 ft (KB) (TVD)       Reference Elevations:       1978.00 ft (KB)         Start Date:       2014.05:09       End Date:       2014.05:09       2014.05:09         Start Date:       2014.05:09       End Date:       2014.05:09       2014.05:09       2014.05:09         Time COMMENT:       1ST Open       15 Minutes/Good blow/Blow built to bottom of bucket in 10 minutes       2ND Shut in 90 Minutes/No blow back       Time Of Btm:       2014.05:09       2114.05:09       11:20:30         Time COMMENT:       1ST Open       15 Minutes/No blow Mole Now Mow Mow Mow Mow Mow Mow Mow Mow Mow M				67601		Job	Ticket: 18	3257	DST#	:5		
Formation:       Arbuckle         Deviated:       No       Whipstock:       ft (KB)       Test Type:       Conventional Bottom Hole (Integration integration integrated integrated integrated integration integrated integration integr			ATTN: Jeremy	Schw artz		Tes	t Start: 20	014.05.09 @	06:24:00			
Deviated:       No       Whipstock:       ft (KB)       Test Type:       Conventional Bottom Hole (It Traine Test Ended:         Time Test Ended:       13.08.30       Unit No:       3325 Great Bend/32         Interval:       3468.00 ft (KB) (TVD)       3468.00 ft (KB) (TVD)       Reference Bevations:       1978.00 ft (It Bostow ft (KB)         Serial #:       6749       Inside       Serial #:       05.24.00       End Date:       2014.05.09       South Serial Series       5000.00 ps         Start Date:       06.24.00       End Time:       13.09.30       Time Off Btm:       2014.05.09 @ 07.49.30         Time Off Btm:       2014.05.09       End Date:       2014.05.09       Last Calib :       2014.05.09 @ 07.49.30         Time Off Btm:       2014.05.09 @ 07.49.30       Time Off Btm:       2014.05.09 @ 07.49.30         Time Off Btm:       2014.05.09 @ 07.49.30       Time Off Btm:       2014.05.09 @ 11.20.30         TEST COMMENT:       1St Mutes/No blow back       Time Off Btm:       2014.05.09 @ 11.20.30         Test Type:       Mutes/No blow back       Time Off Btm:       2014.05.09 @ 11.20.30         Test Type:       Mutes/No blow back       Time Off Btm:       2014.05.09         Open To Flow(1)       13.81       102.49       Initial Hydro-static <td< td=""><td>GENERAL II</td><td>NFORMATION:</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	GENERAL II	NFORMATION:										
Total Depth:       3468.00 ft (KB) (TVD)       1965.00 ft (KB)         Hole Diameter:       7.80 inchesHole Condition: Fair       KB to GR/CF:       13.00 ft         Serial #: 6749       Inside       528.99 psig @       3464.00 ft (KB)       Capacity:       5000.00 ps         Start Date:       2014.05.09       End Date:       2014.05.09       Last Calib.:       2014.05.09 @ 07.49:30         Time Of Bim:       2014.05.09 @ 07.49:30       Time Of Bim:       2014.05.09 @ 07.49:30       Time Of Bim:       2014.05.09 @ 07.49:30         TEST COMMENT:       1ST Open15 Minutes/Good blow/Blow built to bottom of bucket in 10 minutes       2014.05.09 @ 11:20:30       Time Off Bim:       2014.05.09 @ 11:20:30         TEST COMMENT:       1ST Shut In 45 Minutes/Rood blow/Blow built to bottom of bucket in 12 minutes       2ND Open _ 60 Minutes/Good blow/Blow built to bottom of bucket in 12 minutes         2ND Open _60 Minutes/Rood blow/Blow built to bottom of bucket in 12 minutes       106.35       Open To Flow(1)         115       116.147.71       111.14       Shut-In(1)       111.20       Initial Hydro-static         0       0       0       158.11       106.35       Open To Flow(2)       111.24       Initial Hydro-static         120       328.99       112.01       Initial Hydro-static       111.48       Shut-In(1)       Shut-In(2	Deviated: Time Tool Oper	No Whipstock: ned: 07:50:30	ft (KE	3)		Tes	ter:	Ken Sw inne	эу	ole (Initial)		
Serial #: 6749       Inside         Press@RunDepth:       328.99 psig @ 3464.00 ft (KB)       Capacity:       5000.00 ps         Start Date:       2014.05.09       End Date:       2014.05.09       Last Calib.:       2014.05.09 @ 11:20:30         Start Time:       06:24:00       End Time:       13:08:30       Time On Birn:       2014.05.09 @ 11:20:30         TEST COMMENT:       1ST Open       15 Minutes/Good blow/Blow built to bottom of bucket in 10 minutes       2ND Open       60 Minutes/Very weak surface blow back         2ND Open       06 Minutes/Cood blow/Blow built to bottom of bucket in 12 minutes       2ND Open       60 Minutes/No blow back         4       45 Minutes/Very weak surface blow back       7       Time (Min.)       10 minutes         2ND Open       06 Minutes/No blow back       7       Pressure       Temp (Min.)       Annotation         4       4       Minutes/Inducery       15       146.77       111.18       Shut-In(1)         0       199.85       110.51       146.71       111.18       Shut-In(1)       Open To Flow (2)         120       228.99       112.01       Shut-In(2)       110.11       Shut-In(2)       Shut-In(2)       Shut-In(2)         121       120       228.99       110.50       Final Hydro-static	Total Depth:	3468.00 ft(KB)(T	/D)	✓D) Reference ⊟evation					1965.0	0 ft (CF)		
Press@RunDepth:       328.99 psig       3464.00 ft (KB)       Capacity:       5000.00 ps         Start Date:       2014.05.09       End Date:       2014.05.09       Last Calib.:       2014.05.09 gc 14.05.09         Start Time:       006.24:00       End Time:       13:08:30       Time On Btm:       2014.05.09 gc 14:05.09       2014.05.09 gc 14:05.09         TEST COMMENT:       1ST Open       15 Minutes/Good blow/Blow built to bottom of bucket in 10 minutes       2ND Poen       60 Minutes/Cood blow/Blow back         TST Shut In 45 Minutes/No blow back       Time On Burn:       2014.05.09 gc 11:20:30         Test Comments       1ST Open       15 Minutes/Cood blow/Blow back       Time On Burn:       2014.05.09 gc 11:20:30         Test Shut In 90 Minutes/No blow back       Time On Burn:       10 minutes       2ND Poen       60 Minutes/Open         Time On Burn:       10 minutes       Time On Burn:       10 minutes       100.00       100.04         Time On Burn:       10 minutes       Time On Burn:       2014.05.09 gc 17:49:30       111:20:30         Time On Burn:       2014.05.09 gc 07:49:30       Time On Burn:       2014.05.09 gc 17:49:30       111:20:30         Time On Burn:       2014.05.09 gc 07:49:30       Time On Burn:       10:00       Final Hydro-static         Time On Burn:       1	Hole Diameter:	7.80 inchesHole	e Condition: Fair				KB t	:o GR/CF:	13.0	0 ft		
Pressure vs. time         PRESSURE SUMMARY           Image: constraint of the state of the	Press@RunDe Start Date: Start Time:	pth: 328.99 psig 2014.05.09 06:24:00 MENT: 1ST Open 15 1ST Shut In 45 2ND Open 60	End Date: End Time: Minutes/Good blov Minutes/Very wea Minutes/Good blov	w/Blow built to b ak surface blow l v/Blow built to bo	13:08:30 ottom of buck back	Last Calil Time On Time Off aet in 10 minu	b.: Btm: : Btm: : utes		2014.05.0 @ 07:49:3	9		
Image: constraint of the second se				ack		PF	RESSUF		IARY			
Image: constraint of the second sec	2000	6749 Pressure	6749 Temperature	- 115		Pressure	Temp					
Length (ft)DescriptionVolume (bbl)620.00Slighly Mud cut Water with show of Oil5.710.00Mud 2% Water 98%0.0093.00Clean Oil 100%1.30				905 1000 955 955 960 955 955 900 900 900 900 900 900 900 90	0 1 15 60 61 120 210	1698.18 39.85 146.77 1147.19 159.41 328.99 1148.35	102.49 106.35 111.18 110.20 110.11 112.01 111.34	Open To F Shut-In(1) End Shut- Open To F Shut-In(2) End Shut-	Flow (1) In(1) Flow (2) In(2)			
620.00         Slighly Mud cut Water with show of Oil         5.71           0.00         Mud 2% Water 98%         0.00           93.00         Clean Oil 100%         1.30		Recovery			Gas Rates							
0.00         Mud 2% Water 98%         0.00           93.00         Clean Oil 100%         1.30	Length (ft)			olume (bbl)			Choke (i	nches) Press	ure (psig)	Gas Rate (Mcf/d)		
93.00 Clean Oil 100% 1.30												
0.00 Corrected Grav. Oil 31 0.00		Clean Oil 100% Corrected Grav. Oil 31										
0.00 Recov. Resist21 ohms @75 deg 0.00												
0.00 Recov. Chlorides 19,000 ppm 0.00												

Superior Testers Enterprises LLC

Ref. No: 18257

Printed: 2014.05.09 @ 13:29:16

# LWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107 QUALITY C

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

Phone 785-483-2025

No. 029 . .

Cell 785-324-1041	70.00 (c) (c)	Argo iku	The second starting		Rubed, "CUS"	Solen Long						
ere shak de versione	Sec.	Twp.	Range	19.635 B	County	State	On Location	Finish				
Date 5-3-14	17	17	13	Ba	rton	KS		Giogom				
an a division a burn		anter mu	Printern entiren	Locati	ion Susank	( 45 140 RD	100 145E	into				
Lease Nancy		cia dener ser accord	Well No. 3-	17	Owner	inte teoris interest situ	n appresant in the	berna Kirbang				
Contractor Sterling	1.0110-01		actes in	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish								
Type Job Surface	Para la san n	1977 - 540 M		Su si anti		d helper to assist ow	ner or contractor to d	lo work as listed.				
Hole Size 12/4	to ante	T.D.	748		Charge 5	helby Kesour	us					
Csg. 8 -5/8	n _r eserts	Depth	943	ana ag ta	Street							
Tbg. Size	Depth			City State								
Tool	Depth		<ul> <li>3.3356</li> <li>3.4576</li> </ul>			and supervision of owne	r agent or contractor.					
Cement Left in Csg. 4	2.24	Shoe J	oint 42.2	4	Cement Amo	ount Ordered 350	0 60/40 31.CC	2.CEL				
Meas Line	0120 0		e 57/4	BL	omens dideo	Will make a receipt	ULANO SEGRAD.	·				
	EQUIPA	7			Common	10	191 - Carl 68 (00) 07-010 - Ali					
Pumptrk / Helpe		uig			Poz. Mix	140	to ye pana tay in tay	constants line with				
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Bulktrk 12 No. Driver		3	1 K 0 10 1000	6101 101 1	Calcium /	3	NUL BEREAMO L					
JOB SE	RVICES	& REMA	RKS	iside à l Al curr	Hulls	nea rose da la la	so beparto ed liw a					
Remarks:	en salar re	a lages to	d for lines (	LIAUD .	Salt			a dasana ana an				
Rat Hole	n Bell (LEA). Mainte an		40 6300000	na na se	Flowseal							
Mouse Hole		1			Kol-Seal							
Centralizers	O (gradat)	one aan	ung Mindiaga (Krig))	10,7%	Mud CLR 48							
Baskets	nieffie n.	Salasta di	Se list per	n lle de es	CFL-117 or (	CD110 CAF 38	Sector and Area	n den se un Ch				
D/V or Port Collar		and the second sec		ged play	Sand		ि गोन्स गर्माञ्चला	a lin isa isa saari igiri-				
8 Sean bett	om E	5t /!	restation .		Handling 3	20						
Mix 350 4	Dis	splace	Pluse.		Mileage			all of the on the				
1	~					FLOAT EQUIPM	IENT					
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	1.11	er soleret s			Centralizer	Rubt	Pr Plus					
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una di calini bi c					Float Shoe			WHO Y L				
					Latch Down			MANA MAN				
Conference and the		n ilan	n i si s				i N	10				
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a second to see			and to a		Pumptrk Cha	arge m S.	Face					
¥					Mileage 6	- y sur	1 m C	and manager of				
and the second secon	<del>ing ng pan</del> Ng panganak		and the state	na rasad			Тах					
er en garra é recel	<u>, 40 (), 1</u>	1	nter second re	ingla (c.			Discount					
x Signature (lam	27	ti			ningva (Chine) Locht en comme	an an tha an	Total Charge					
Ciginator Court (	rog	00						<u></u>				
	11											

# **BASIC** energy services, L.P.

## TREATMENT REPORT

Customersh		e source .			2.1		Date	5 -10	1-14	
1.	ANCY		Well #	3-17			- dt			Ctoto
Field Order #	Station	Piat	1	Casing	Casing 5/2 Depth 511 County BATEN					
Type Job	COW	Long	STRING	1	Formation			Legal De	escription	17-13
PIPE	DATA	PERF	ORATING DAT	A FLUID	USED	•	TREA	TMENT	RESUME	
Casing Size	Tubing Siz	e Shots/F	t	Acid 10	U SKS' Ar	15	RATE PRI	ESS	ISIP	
Pepth 3 5 1	Depth	From	То	Pre Pad	1 54 6	Max	002		5 Min.	1.00
olume 67	Volume	From	То	Pad		Min			10 Min.	
lax Press	Max Press		То	Frac	Frac Ave			Avg 1		
Vell Connectio	on Annulus V		То			HHP Used	b		Annulus F	
lug Depth	Packer De	pth From	То	Flush 85	.1	Gas Volur	me		Total Load	4 ₁₀
Customer Rep	resentative		je liq111 Stat			UNDI-Y	Treater	Mike	MATT	Ch-1
ervice Units	77980			120	19959	7376	5			
Driver James	MATTAL		ESSIA	<i>j</i>	EIN	57				
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate			Ser	vice Log	(7) Lis	et 19 19 19
1:000	1	1				locatio	1 1	1941	hertin	1
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1:1(		. )		and a second	Hour	up to	(515)	Biowi	CIRC	w. Kig
2:11	200		3	2	Purip	3 1	DOI NI	20		
2:12	200		12	1.5	mix	505	K. Sr	1	/	
2:15	200		24	3.5	Mix.	100 54				17-
2:25	Manual International Science of S		L	. 3	WASH	and the second se	+ Lins		(A)	Plug
2:28	100		and the second s	6	STAIT	Dis	1dremen	1		
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