Confidentiality Requested: Yes No

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1162637

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:	
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: ()	□ NE □ NW □ SE □ SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
☐ OG ☐ GSW ☐ Temp. Abd.	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Drilling Fluid Management Plan
Plug Back Conv. to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
Dual Completion Permit #:	Dewatering method used.
SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	Operator Name:
GSW Permit #:	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date Recompletion Date	QuarterSec. TwpS. R East West County: Permit #:

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY
Confidentiality Requested
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II III Approved by: Date:

	Page Iwo	1162637
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken (Attach Additional She	eets)	Yes No	Lo	g Formatio	on (Top), Depth ar		Sample
Samples Sent to Geolog	ical Survey	Yes No	Name			Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		CASING Report all strings set-c	RECORD New onductor, surface, interi		ion, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ADDITIONAL	CEMENTING / SQUE	EZE RECORD			

Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing				
Plug Back TD				
Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?	Yes
Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?	Yes
Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?	Yes

 No
 (If No, skip questions 2 and 3)

 No
 (If No, skip question 3)

No

(If No, fill out Page Three of the ACO-1)

Shots Per Foot		PERFORATION Specify For	I RECOF	RD - Bridge F Each Interval	Plugs Set/Typ Perforated	0e			ement Squeeze Record I of Material Used)	Depth
TUBING RECORD:	Siz	ze:	Set At:		Packer	r At:	Liner R	un:	No	
Date of First, Resumed	l Producti	ion, SWD or ENHF	} .	Producing N		ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
									1	
DISPOSITI	ION OF G	BAS:			METHOD	OF COMPLE	TION:		PRODUCTION IN	TERVAL:
Vented Solo	d 🗌 l	Jsed on Lease		Open Hole	Perf.	Dually		Commingled		
(If vented, Su	ıbmit ACC	0-18.)		Other (Specify))	(Submit /	,	(Submit ACO-4)		

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

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	Nancy #1-17
Doc ID	1162637

All Electric Logs Run

Conpensated Neutron
Dual Induction
Micro
Sonic
Bond



DRILL STEM TEST REPORT

Prepared For:

Shelby Resources LLC

2717 Canal Boulevard Suite C Hays, Kansas 67601

ATTN: Jeremy Schwartz

Nancy #1-17

17/17S/13W/Barton

Start Date:	2013.08.19 @	@ 16:59:00	
End Date:	2013.08.20 @	@ 01:15:00	
Job Ticket #:	17606	DST #:	1

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

	Shelby Resources LLC		17/	17S/13V	V/Barton	
	2717 Canal Boulevard		Na	ncy #1-1	17	
	Suite C			Ticket: 17		DST#:1
	Hays, Kansas 67601 ATTN: Jeremy Schwartz)13.08.19 @	-
			100			
GENERAL INFORMATION:						
Formation: Lansing/Kansas C Deviated: No Whipstock: Time Tool Opened: 18:43:30 Time Test Ended: 01:15:00	ity ft (KB)		Tes	ter:	Conventiona Ken Sw inne 3325 Great I	
Interval: 3228.00 ft (KB) To 3 Total Depth: 3287.00 ft (KB) (T	287.00 ft (KB) (TVD) VD) le Condition: Fair		Ref	erence Ele KB t	evations: to GR/CF:	1992.00 ft (KB) 1979.00 ft (CF) 13.00 ft
Serial #: 6749 Inside Press@RunDepth: 334.30 psia Start Date: 2013.08.19 Start Time: 16:59:00	@ 3283.32 ft (KB)End Date:End Time:	2013.08.20 01:15:00	Capacity Last Cali Time On Time Off	b.: Btm: 2	2013.08.19 2013.08.19	
1ST Shut In 2ND Open	15 Minutes/Strong blow /Blow bu 60 Minutes/Blow back built to bo 60 Minutes/Strong blow /Built to bo 20 Minutes/Blow back built to bot	tom of bucket in ottom bucket in 3	7 minutes 3 1/2 min/Ga		45 min/To w	eak to guage
1ST Shut In 2ND Open	60 Minutes/Blow back built to bo 60 Minutes/Strong blow/Built to b 20 Minutes/Blow back built to bot	tom of bucket in ottom bucket in 3	7 minutes 3 1/2 min/Ga 4 minutes	s surface	45 min/To w	
1ST Shut In 2ND Open 2ND Shtu In 12	60 Minutes/Blow back built to bo 60 Minutes/Strong blow/Built to bo 20 Minutes/Blow back built to bot Time CONTINUES/Blow back built to bot	Time (Min.) (Min	7 minutes 3 1/2 min/Ga 4 minutes	s surface RESSUF Temp (deg F) 104.35 104.04 103.51 104.76	RE SUMM Annotatio Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In	ARY on o-static low (1) n(1) low (2) n(2)
1ST Shut In 2ND Open 2ND Shtu In 12 Pressure vs. 6760 Pressure 730 730 730 730 730 730 730 730 730 730	60 Minutes/Blow back built to bo 60 Minutes/Strong blow/Built to bo 70 Minutes/Blow back built to bot 71 me 70 Temperature 71 me 72 Temperature 72 Temperature 73 Temperature 73 Temperature 73 Temperature 73 Temperature 73 Temperature 73 Temperature 73 Temperature 73 Temperature 73 Temperatu	Time (Min.) (Min	7 minutes 3 1/2 min/Ga 4 minutes Pressure (psia) 1621.56 104.20 183.74 638.51 226.17 334.30 664.14	s surface RESSUF Temp (deg F) 104.35 104.04 103.51 104.76 104.59 105.38 106.24 106.72	RE SUMM Annotatio Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In	ARY on o-static low (1) n(1) low (2) n(2)
1ST Shut In 2ND Open 2ND Shtu In 12 Pressure vs. 670 Pressure 770 600 700 600 700 600 700 600 700 600 700 7	60 Minutes/Blow back built to bo 60 Minutes/Strong blow/Built to bo 70 Minutes/Blow back built to bot 71 mc 70 Temperature 70	Time (Min.) (Min	7 minutes 3 1/2 min/Ga 4 minutes Pressure (psia) 1621.56 104.20 183.74 638.51 226.17 334.30 664.14	s surface RESSUF Temp (deg F) 104.35 104.04 103.51 104.76 104.59 105.38 106.24 106.72	RE SUMM Annotatio Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro	ARY on o-static low (1) n(1) low (2) n(2)
1ST Shut In 2ND Open 2ND Shtu In 12 Pressure vs. 070 Hesure 500 500 500 500 500 500 500 500 500 50	60 Minutes/Blow back built to bo 60 Minutes/Strong blow/Built to bo 75me 000 Temperature 000 T	Time (Min.) (Min	7 minutes 3 1/2 min/Ga 4 minutes Pressure (psia) 1621.56 104.20 183.74 638.51 226.17 334.30 664.14	s surface RESSUF Temp (deg F) 104.35 104.04 103.51 104.76 104.79 105.38 106.24 106.72 Ga	RE SUMM Annotatio Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro	ARY on o-static low (1) n(1) low (2) n(2) o-static
1ST Shut In 2ND Open 2ND Shtu In 12 Pressure vs. 500 500 500 500 500 500 500 500 500 50	60 Minutes/Blow back built to bo 60 Minutes/Strong blow/Built to bo 75 Minutes/Blow back built to bot 75 Minutes/Blow back built to bot 76 Temperature 77 Minutes/Blow back built to bot 76 Temperature 77 Minutes/Blow back built to bot 77 Minutes/Blow back built to bot 78 Minutes/Blow back built to bot 79 Minutes/Blow back built to bot 70 Minutes	Time (Min.) (Min	7 minutes 3 1/2 min/Ga 4 minutes Pressure (psia) 1621.56 104.20 183.74 638.51 226.17 334.30 664.14	s surface RESSUF Temp (deg F) 104.35 104.04 103.51 104.76 104.79 105.38 106.24 106.72 Ga	RE SUMM Annotatio Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro	ARY on o-static low (1) n(1) low (2) n(2) o-static
1ST Shut In 2ND Open 2ND Shtu In 12 Pressure vs. 000 Pressure 200 Pres	60 Minutes/Blow back built to bo 60 Minutes/Strong blow/Built to bo 70 Minutes/Blow back built to bot 71 mc 000 Temperature 000 Temperature 00	Time (Min.) (Min	7 minutes 3 1/2 min/Ga 4 minutes Pressure (psia) 1621.56 104.20 183.74 638.51 226.17 334.30 664.14	s surface RESSUF Temp (deg F) 104.35 104.04 103.51 104.76 104.79 105.38 106.24 106.72 Ga	RE SUMM Annotatio Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro	ARY on o-static low (1) n(1) low (2) n(2) o-static

Superior Testers Enterprises LLC Ref. No: 17606

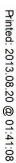
		DRILL STEM	ESI	REP	ORI			
ENTERPRISES	S LLC	Shelby Resources LLC			17/	'17S/13V	V/Barton	
		2717 Canal Boulevard			Na	ncy #1-1	7	
		Suite C Hays, Kansas 67601			Job	Ticket: 17	7606	DST#:1
		ATTN: Jeremy Schwartz			Tes	t Start: 20	013.08.19 @	16:59:00
GENERAL INFORM	MATION:							
Deviated: No	whipstock:	ft (KB)						l Bottom Hole (Initial)
Time Tool Opened: 18:4 Time Test Ended: 01:1							Ken Swinne 3325 Great E	-
	0 0 ft (KB) To 3287 287.00 ft (KB) (TVD) 7.80 inchesHole C)			Ref	erence Ele KB t	evations:	1992.00 ft (KB) 1979.00 ft (CF) 13.00 ft
								13.00 11
Serial #: 6838 Press@RunDepth: Start Date: Start Time: TEST COMMENT:	Outside 664.61 psia @ 2013.08.19 16:59:00	3284.32 ft (KB) End Date: End Time:	-	13.08.20 01:15:00	Capacity Last Cali Time On Time Off	b.: Btm: 2	2013.08.19(2013.08.19(
	2ND Open 60 N	/linutes/Blow back built to /linutes/Strong blow /Built t /linutes/Blow back built to l	o bottom b	oucket in 3	3 1/2 min/Ga	s surface	45 min/To w	eak to guage
	Pressure vs. Time	2		bucket in 4		RESSUR	RESUMM	ARY
1750		0838 Terponilure		Time		RESSUR Temp	RE SUMM	
				Time (Min.)	Pl Pressure (psia)	Temp (deg F)	Annotatio	n
				Time	Pl Pressure	Temp	Annotatio	on o-static
			105	Time (Min.) 0 1 16	Pl Pressure (psia) 1626.58 105.28 187.87	Temp (deg F) 104.17 104.18 104.32	Annotatio Initial Hydro Open To Fl Shut-In(1)	on o-static low (1)
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1729 1500 1220			105 105 100 100 100	Time (Min.) 0 1 16	Pl Pressure (psia) 1626.58 105.28 187.87	Temp (deg F) 104.17 104.18 104.32 104.74	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl	on o-static low (1) n(1)
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759			- 100 - 100 - 05 - 10 - 05 - 10 - 05 - 10 - 05 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10	Time (Min.) 0 1 16 76 76 137	Pressure (psia) 1626.58 105.28 187.87 639.73 227.54 335.68	Temp (deg F) 104.17 104.18 104.32 104.74 104.65 105.02	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir	on o-static low (1) n(1) low (2) n(2)
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			- 100 - 105 - 50 - 50 - 50 - 75	Time (Min.) 0 1 16 76 76 137 256	Pl Pressure (psia) 1626.58 105.28 187.87 639.73 227.54 335.68 664.61	Temp (deg F) 104.17 104.18 104.32 104.74 104.65 105.02 105.67	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir	on o-static low (1) n(1) low (2) n(2)
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1759 1729	Recovery Description td Gassy Oil(20% em 6 Gas 20% Oil 75% tt Oily Gas 0% Oil 40% Gas 50%	003 Texponder 003 Texponder 004 Texponder 005 Te	- 100 - 105 - 50 - 50 - 50 - 75	Time (Min.) 0 1 16 76 76 137 256	Pl Pressure (psia) 1626.58 105.28 187.87 639.73 227.54 335.68 664.61	Temp (deg F) 104.17 104.18 104.32 104.74 104.65 105.02 105.67 106.06	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir Final Hydro	on o-static low (1) h(1) low (2) h(2) o-static
779	re ver	033 Terpendar 033 Te	- 100 - 105 - 50 - 50 - 50 - 75	Time (Min.) 0 1 16 76 76 137 256	Pl Pressure (psia) 1626.58 105.28 187.87 639.73 227.54 335.68 664.61	Temp (deg F) 104.17 104.18 104.32 104.74 104.65 105.02 105.67 106.06	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir Final Hydro	on o-static low (1) n(1) low (2) n(2) o-static

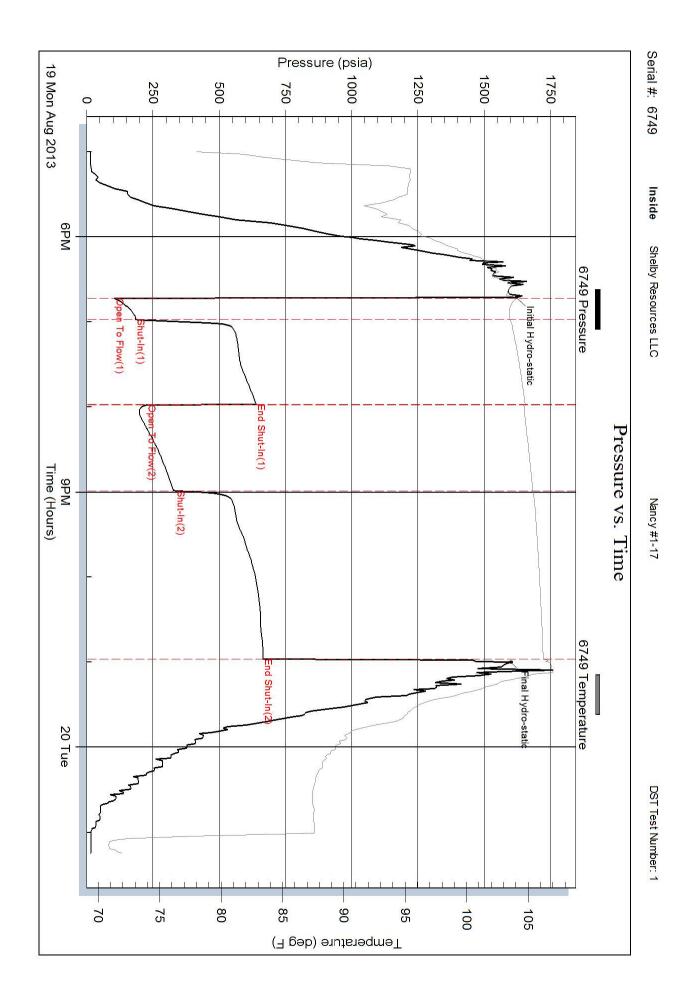
Heavy Wt. Pipe:Length:0.00 ftDiameter:0.00 inches Volume:0.00 bblWeight set on Packer:2000.00 lbDrill Collar:Length:330.00 ftDiameter:2.25 inches Volume:1.62 bblWeight set on Packer:9000.00 lbDrill Pipe Above KB:28.00 ftTotal Volume:42.29 bblTool Chased0.00 ftDepth to Top Packer:3228.00 ftFtFinal70000.00 lbDepth to Bottom Packer:ft59.32 ftFtFinalTool Length:86.32 ftFtFtFt	ENTER	PRISES LLC	:	Shelby	Resources L	LC		17/17S/13W/Bartor	ı
Hays, Kansas 67601 ATTN: Jeremy SchwartzJob Ticket: 17606DST#: 1Tool InformationDrill Pipe:Length: 2899.00 ftDiameter:3.80 inches Volume:40.67 bblHeavy Wt. Pipe:Length:0.00 ftDiameter:0.00 inches Volume:0.00 bblDrill Collar:Length:330.00 ftDiameter:2.25 inches Volume:1.62 bblDrill Pipe Above KB:28.00 ftDiameter:2.25 inches Volume:1.62 bblDrill Pipe Above KB:28.00 ftTotal Volume:42.29 bblDepth to Top Packer:3228.00 ftFinal70000.00 lbDepth to Bottom Packer:ftFinal70000.00 lbNumber of Packers:2Diameter:6.75 inches		CTCH			anal Bouleva	rd		Nancy #1-17	
ATTN: Jeremy Schwartz Test Start: 2013.08.19 @ 16:59:00 Tool Information Drill Pipe: Length: 2899.00 ft Diameter: 3.80 inches Volume: 40.67 bbl Heavy Wt. Pipe: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl Drill Collar: Length: 330.00 ft Diameter: 2.25 inches Volume: 1.62 bbl Drill Pipe Above KB: 28.00 ft Diameter: 2.25 inches Volume: 42.29 bbl Weight to Pull Loose: 9000.00 lb Drill Pipe Above KB: 28.00 ft Diameter: 3228.00 ft Froal Volume: 42.29 bbl Veight: Initial 68000.00 lb Depth to Top Packer: 3228.00 ft Froal Froal Froal String Weight: Initial 68000.00 lb Final 70000.00 lb Final 70000.00 lb Final 70000.00 lb Number of Packers: 2 Diameter: 6.75 inches E E E					ancas 6760	1		Job Ticket: 17606	DST#:1
Drill Pipe:Length:2899.00 ftDiameter:3.80 inches Volume:40.67 bblTool Weight:2000.00 lbHeavy Wt. Pipe:Length:0.00 ftDiameter:0.00 inches Volume:0.00 bblWeight set on Packer:2000.00 lbDrill Collar:Length:330.00 ftDiameter:2.25 inches Volume:1.62 bblWeight to Pull Loose:90000.00 lbDrill Pipe Above KB:28.00 ftDiameter:2.25 inches Volume:42.29 bbl42.29 bblTool Chased0.00 ftDrill Pipe Above KB:28.00 ftString Weight:Initial68000.00 lb68000.00 lbString Weight:InitialDepth to Top Packer:59.32 ftftFinal70000.00 lbFinal70000.00 lbInterval betw een Packers:2Diameter:6.75 inches59.32 ftFinal70000.00 lbNumber of Packers:2Diameter:6.75 inches59.32 ftFinalFinalFinalNumber of Packers:2Diameter:6.75 inchesFinalFinalFinalFinalString Weight:String Weight: <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>Test Start: 2013.08.19</th> <th>@ 16:59:00</th>								Test Start: 2013.08.19	@ 16:59:00
Heavy Wt. Pipe:Length:0.00 ftDiameter:0.00 inches Volume:0.00 bblWeight set on Packer:2000.00 lbDrill Collar:Length:330.00 ftDiameter:2.25 inches Volume:1.62 bblWeight to Pull Loose:9000.00 lbDrill Pipe Above KB:28.00 ftTotal Volume:42.29 bbl42.29 bblTool Chased0.00 ftDepth to Top Packer:3228.00 ftTotal Volume:42.29 bblString Weight: Initial68000.00 lbDepth to Bottom Packer:ftFinal70000.00 lbFinal70000.00 lbInterval betw een Packers:59.32 ft59.32 ftFinal70000.00 lbNumber of Packers:2Diameter:6.75 inches6.75 inches	Tool Informatio	n		ļ					
Drill Collar:Length:330.00 ftDiameter:2.25 inches Volume:1.62 bblWeight to Pull Loose:90000.00 lbDrill Pipe Above KB:28.00 ftTotal Volume:42.29 bbl42.29 bblTool Chased0.00 ftDepth to Top Packer:3228.00 ft59.32 ftFinal70000.00 lbFinal70000.00 lbDepth to Bottom Packer:ft59.32 ft59.32 ftFinal70000.00 lbFinalTool Length:86.32 ft86.32 ft6.75 inchesFinalFinalFinal	Drill Pipe:	Length:	2899.00 ft	Diameter:	3.80 ir	nches Volume:	40.67 bb	ol Tool Weight:	2000.00 lb
Drill Pipe Above KB:28.00 ftTotal Volume:42.29 bblTool Chased0.00 ftDepth to Top Packer:3228.00 ft59.32 ft59.32 ft59.32 ft59.32 ft70000.00 lbInterval betw een Packers:59.32 ft59.32 ft59.32 ft59.32 ft59.32 ftNumber of Packers:2Diameter:6.75 inches6.75 inches	Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 ir	nches Volume:	0.00 bb	Weight set on Packe	r: 20000.00 lb
Drill Pipe Above KB:28.00 ftString Weight: Initial68000.00 lbDepth to Top Packer:3228.00 ftFinal70000.00 lbDepth to Bottom Packer:ftFinal70000.00 lbInterval betw een Packers:59.32 ftFinal70000.00 lbTool Length:86.32 ft6.75 inchesFinalFinal	Drill Collar:	Length:	330.00 ft	Diameter:	2.25 ir	nches Volume:	1.62 bb	Weight to Pull Loose	: 90000.00 lb
Depth to Top Packer: 3228.00 ft String vieight: initial 68000.00 lb Depth to Bottom Packer: ft Interval betw een Packers: 59.32 ft Tool Length: 86.32 ft Number of Packers: 2 Diameter: 6.75 inches			00.00.0			Total Volume:	42.29 bb	Tool Chased	0.00 ft
Depth to Bottom Packer: ft Interval betw een Packers: 59.32 ft Tool Length: 86.32 ft Number of Packers: 2 Diameter: 6.75 inches								String Weight: Initial	68000.00 lb
Interval betw een Packers:59.32 ftTool Length:86.32 ftNumber of Packers:2Diameter:6.75 inches								Final	70000.00 lb
Tool Length:86.32 ftNumber of Packers:2Diameter:6.75 inches	-								
Number of Packers: 2 Diameter: 6.75 inches		Packers:							
	-			D : (0 75 ·				
Tool Comments:		rs:	2	Diameter:	6.75 In	nches			
	Tool Comments:								
	Tool Description	on	Le	ngth (ft) 5.00	Serial No.	Position	Depth (ft) 3206.00	Accum. Lengths	

Shut In Tool	5.00			3206.00		
Hydrolic Tool	5.00			3211.00		
Jars	5.00			3216.00		
Safety Joint	2.00			3218.00		
Packer	5.00			3223.00	27.00	Bottom Of Top Packer
Packer	5.00			3228.00		
Perforations	6.00			3234.00		
Change Over Sub	0.75			3234.75		
Drill Pipe	31.82			3266.57		
Change Over Sub	0.75			3267.32		
Anchor	15.00			3282.32		
Recorder	1.00	6749	Inside	3283.32		
Recorder	1.00	6838	Outside	3284.32		
Bullnose	3.00			3287.32	59.32	Bottom Packers & Anchor

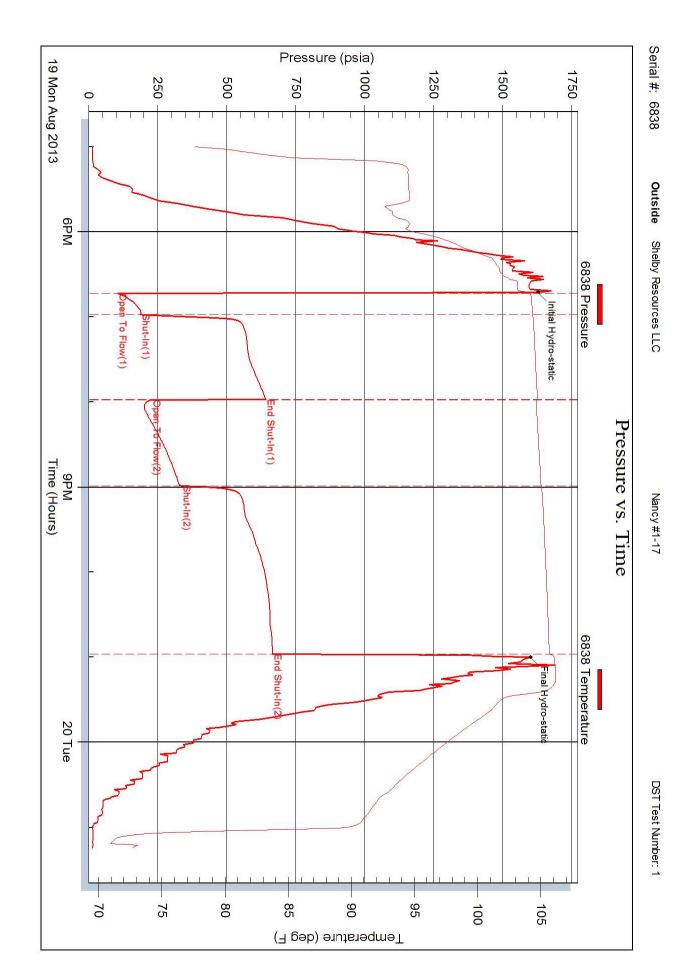
Total Tool Length: 86.32

		ILL STEM TEST REPO	KI	FLUI	D SUMMAR
	LC Shelb	y Resources LLC	17/17S/13\	N/Barton	
	2717	Canal Boulevard	Nancy #1-	17	
	Suite		Job Ticket: 1		#:1
		Kansas 67601 : Jeremy Schwartz		013.08.19 @ 16:59:0	
				013.00.19 @ 10.39.0	0
Iud and Cushion I	nformation				
/lud Type: Gel Chem		Cushion Type:		Oil A PI:	deg API
	0 lb/gal	Cushion Length:		Water Salinity:	ppm
-	0 sec/qt	Cushion Volume:	bbl		
	'9 in ³	Gas Cushion Type:	naia		
Resistivity: Salinity: 4700.0	ohm.m	Gas Cushion Pressure:	psia		
•	10 inches				
Recovery Informati					
		Recovery Table			
	Length	Description	Volume]	
	ft	Decemption	bbl		
	300.00	Mud cut Gassy Oil(20% emulsified)	1.475]	
	0.00	Mud 5% Gas 20% Oil 75%	0.000	4	
	504.00	Mud cut Oily Gas	6.797	4	
	0.00	Mud 10% Oil 40% Gas 50%	0.000		
	0.00	Corrected Grav. Oil 39	0.000]	
	0	4.00 ft Total Volume: 8.272			
	Num Fluid Samples: 0	Num Gas Bombs: 0	Serial #:		
	Laboratory Name:	Laboratory Location:			
	Recovery Comments:				











DRILL STEM TEST REPORT

Prepared For: S

Shelby Resources LLC

2717 Canal Boulevard Suite C Hays, Kansas 67601

ATTN: Jeremy Schwartz

Nancy #1-17

17/17S/13W/Barton

Start Date:	2013.08.20 @	08:28:00	
End Date:	2013.08.20 @	0 16:39:00	
Job Ticket #:	17607	DST #:	2

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

		Shelby Resources LLC			17/	17S/13V	V/Barto	on	
		2717 Canal Boulevard				ncy #1-1			
	STER	Suite C				Ticket: 17		Det	- #:2
		Hays, Kansas 67601						_	
		ATTN: Jeremy Schwartz			Tes	t Start: 20	13.08.20) @ 08:28:0	0
GENERAL	INFORMATION:								
Formation:	Lansing/Kansas City				Tee	• Turnes (Com conti	an al Dattana	
-	No Whipstock: ened: 09:59:30 led: 16:39:00	ft (KB)			Tes	ter: I	Ken Swi		Hole (Initial)
nterval:	3287.00 ft (KB) To 33 ⁻	12.00 ft (KB) (TVD)			Ref	erence Ele	evations:	1992	.00 ft (KB)
Fotal Depth:	3312.00 ft (KB) (TV								.00 ft (CF)
Hole Diameter	: 7.80 inchesHole	Condition: Fair				KB t	o GR/CF	: 13	.00 ft
Serial #: 6	5749 Inside								
Press@RunDe					Capacity			5000	.00 psia
Start Date:	2013.08.20	End Date:	2013.08		Last Cali		040.00	2013.08	
Start Time:	08:28:00	End Time:	16:39	9:00	Time On Time Off			20 @ 09:59 20 @ 14:15	
TESTCOM	MENT: 1ST Open 1	C Minutes (Cased blow (Dlow	h		leatin O min				
	-	5 Minutes/Good blow /Blow 60 Minutes/Blow back built to		OT DUC	cket in 9 mir	nutes			
		60 Minutes/Strong blow /Blow		m of bu	ucket in 2 m	ninutes			
	2ND Shut In 12	0 Minutes/Blow back built to	3 inches						
	2ND Shut In 12 Pressure vs. Tr		3 inches					IMARY	
		me 640 Tomponiure	, Tim			RESSUR Temp			
1750	Pressure vs. Tr	me		ne 1.)	PI Pressure (psia)	RESSUR Temp (deg F)	Anno	tation	
1500	Pressure vs. Tr	me 640 Tomponiure	Tim	ne n.) 0	Pl Pressure (psia) 1610.43	RESSUR Temp (deg F) 100.92	Annot Initial H	tation ydro-static	
1700 	Pressure vs. Tr	me 640 Tomponiure	- 105 Tim - 107 (Mir	ne n.) 0 1	PI Pressure (psia) 1610.43 42.23	RESSUR Temp (deg F) 100.92 100.40	Anno Initial H Open T	tation ydro-static 'o Flow (1)	
1220	Pressure vs. Tr	me 640 Tomponiure	- 105 Tim - 105 (Mir - 199	ne n.) 0	Pl Pressure (psia) 1610.43	RESSUR Temp (deg F) 100.92 100.40 100.74	Anno Initial H Open T Shut-In	tation ydro-static īo Flow (1) (1)	
1220	Pressure vs. Tr	me 640 Tomponiure	- 1005 (Min - 1000	ne 1.) 0 1 15	PI Pressure (psia) 1610.43 42.23 69.36	RESSUR Temp (deg F) 100.92 100.40 100.74 101.75	Annot Initial H Open T Shut-In End Sh	tation ydro-static īo Flow (1) (1)	
	Pressure vs. Tr	me 640 Tomponiure	- 1905 (Mir - 1905 - 95	ne n.) 0 1 15 76	Pressure (psia) 1610.43 42.23 69.36 640.20 107.04 135.10	RESSUR Temp (deg F) 100.92 100.40 100.74 101.75 101.69 102.61	Annot Initial H Open T Shut-In End Sh Open T Shut-In	tation ydro-static To Flow (1) (1) ut-In(1) To Flow (2) (2)	
	Pressure vs. Tr	me 640 Tomponiure	- 1005 Tim - 1005 (Min - 505 - 505 Tim - 505 Tim	ne 1.) 15 76 77 135 255	Pressure (psia) 1610.43 42.23 69.36 640.20 107.04 135.10 636.08	RESSUR Temp (deg F) 100.92 100.40 100.74 101.75 101.69 102.61 104.25	Annot Initial H Open T Shut-In End Sh Open T Shut-In End Sh	tation ydro-static io Flow (1) (1) ut-ln(1) io Flow (2) (2) ut-ln(2)	
	Pressure vs. The G70Fressure 1 1 1 1 1 1 1 1 1 1 1 1 1	TDC CPO Terpendare	- 1005 Tim - 1005 (Min - 505 - 505 Tim - 505 Tim	ne 1.) 15 76 77 135	Pressure (psia) 1610.43 42.23 69.36 640.20 107.04 135.10	RESSUR Temp (deg F) 100.92 100.40 100.74 101.75 101.69 102.61	Annot Initial H Open T Shut-In End Sh Open T Shut-In End Sh	tation ydro-static To Flow (1) (1) ut-In(1) To Flow (2) (2)	
1270 10000	Pressure vs. The G70Fressure 1 1 1 1 1 1 1 1 1 1 1 1 1	TDC CPO Terpendare	- 1005 Tim - 1005 (Min - 505 - 505 Tim - 505 Tim	ne 1.) 15 76 77 135 255	Pressure (psia) 1610.43 42.23 69.36 640.20 107.04 135.10 636.08	RESSUR Temp (deg F) 100.92 100.40 100.74 101.75 101.69 102.61 104.25	Annot Initial H Open T Shut-In End Sh Open T Shut-In End Sh	tation ydro-static io Flow (1) (1) ut-ln(1) io Flow (2) (2) ut-ln(2)	
1220 	Pressure vs. The G70 Pressure 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TDC CPO Terpendare	- 1005 Tim - 1005 (Min - 505 - 505 Tim - 505 Tim	ne 1.) 15 76 77 135 255	Pressure (psia) 1610.43 42.23 69.36 640.20 107.04 135.10 636.08	RESSUR Temp (deg F) 100.92 100.40 100.74 101.75 101.69 102.61 104.25	Annot Initial H Open T Shut-In End Sh Open T Shut-In End Sh	tation ydro-static io Flow (1) (1) ut-ln(1) io Flow (2) (2) ut-ln(2)	
759 530 530	Pressure vs. The G70Fressure 1 1 1 1 1 1 1 1 1 1 1 1 1	TDC CPO Terpendare	- 1005 Tim - 1005 (Min - 1000 - 505 Tim - 505 Cite - 505 Cite - 505 Tim - 505 Cite - 505 Tim - 505 Cite - 505 Tim -	ne 1.) 15 76 77 135 255	Pressure (psia) 1610.43 42.23 69.36 640.20 107.04 135.10 636.08	RESSUR Temp (deg F) 100.92 100.40 100.74 101.75 101.69 102.61 104.25	Annot Initial H Open T Shut-In End Sh Open T Shut-In End Sh	tation ydro-static io Flow (1) (1) ut-ln(1) io Flow (2) (2) ut-ln(2)	
779 5500	Pressure vs. Tr	TDC CPO Terpendare	- 1005 Tim - 1000 - 505 - 505 - 505 - 500 - 75	ne 1.) 15 76 77 135 255	Pressure (psia) 1610.43 42.23 69.36 640.20 107.04 135.10 636.08	RESSUR Temp (deg F) 100.92 100.40 100.74 101.75 101.69 102.61 104.25	Annot Initial H Open T Shut-In End Sh Open T Shut-In End Sh	tation ydro-static io Flow (1) (1) ut-ln(1) io Flow (2) (2) ut-ln(2)	
	Pressure vs. Th	IDC 0/4) Temperature Periode Action Periode	- 1005 Tim - 1000 - 505 - 505 - 505 - 500 - 75	ne 1.) 15 76 77 135 255	Pressure (psia) 1610.43 42.23 69.36 640.20 107.04 135.10 636.08	RESSUR Temp (deg F) 100.92 100.40 100.74 101.75 101.69 102.61 104.25 104.48	Annot Initial H Open T Shut-In End Sh Open T Shut-In End Sh	tation ydro-static io Flow (1) (1) ut-ln(1) io Flow (2) (2) ut-ln(2) ydro-static	
	Presence vs. The	IDC 0/4) Temperature Periode Action Periode	- 1005 Tim - 1000 - 505 - 505 - 505 - 500 - 75	ne 1.) 15 76 77 135 255	Pressure (psia) 1610.43 42.23 69.36 640.20 107.04 135.10 636.08	RESSUR Temp (deg F) 100.92 100.40 100.74 101.75 101.69 102.61 104.25 104.48	Annor Initial H Open T Shut-In End Sh Final H Final H S s Rates	tation ydro-static io Flow (1) (1) ut-ln(1) io Flow (2) (2) ut-ln(2) ydro-static	Gas Rate (Mcf/d)
1000 729 600 229 0 1000 229 0 1000 229 0 1000 229 0 1000 229 0 1000 229 1000 1000	Pressure vs. The DPB Pressure DPB Pressure	IBC 0/9 Temperature Perivana Nei meriori 3Fil	- 1005 Tim - 1000 - 505 - 505 - 505 - 500 - 75	ne 1.) 15 76 77 135 255	Pressure (psia) 1610.43 42.23 69.36 640.20 107.04 135.10 636.08	RESSUR Temp (deg F) 100.92 100.40 100.74 101.75 101.69 102.61 104.25 104.48	Annor Initial H Open T Shut-In End Sh Final H Final H S s Rates	tation ydro-static io Flow (1) (1) ut-In(1) io Flow (2) (2) ut-In(2) ydro-static	Gas Rate (Mcf/d)
1200 760 500 220 0 1000 760 500 100 500 100 500 100 100 100 100 10	Pressure vs. The CPOP Pressure Provide and the Provide	STAC	- 1005 Tim - 1000 - 505 - 505 - 505 - 500 - 75	ne 1.) 15 76 77 135 255	Pressure (psia) 1610.43 42.23 69.36 640.20 107.04 135.10 636.08	RESSUR Temp (deg F) 100.92 100.40 100.74 101.75 101.69 102.61 104.25 104.48	Annor Initial H Open T Shut-In End Sh Final H Final H S s Rates	tation ydro-static io Flow (1) (1) ut-In(1) io Flow (2) (2) ut-In(2) ydro-static	Gas Rate (Mct/d)
1930 779 500 279 500 279 500 500 500 500 500 500 500 500 500 50	Pressure vs. The CPOPressure Projection and Projection CPOPressure Projection CPOPressure Projection CPOPressure	STAC	- 1005 Tim - 1000 - 505 - 505 - 505 - 500 - 75	ne 1.) 15 76 77 135 255	Pressure (psia) 1610.43 42.23 69.36 640.20 107.04 135.10 636.08	RESSUR Temp (deg F) 100.92 100.40 100.74 101.75 101.69 102.61 104.25 104.48	Annor Initial H Open T Shut-In End Sh Final H Final H S s Rates	tation ydro-static io Flow (1) (1) ut-In(1) io Flow (2) (2) ut-In(2) ydro-static	Gas Rate (Mcf/d)
E29 1000 79 500 279 500 279 500 279 500 279 500 500 500 500 500 500 500 50	Pressure vs. The Definition of the second Pressure vs. The Definition of the second Pressure vs. The Pressure vs. T	ляс 099 Тепрельсе Гентеровые Пентеровы	- 1005 Tim - 1000 - 505 - 505 - 505 - 500 - 75	ne 1.) 15 76 77 135 255	Pressure (psia) 1610.43 42.23 69.36 640.20 107.04 135.10 636.08	RESSUR Temp (deg F) 100.92 100.40 100.74 101.75 101.69 102.61 104.25 104.48	Annor Initial H Open T Shut-In End Sh Final H Final H S s Rates	tation ydro-static io Flow (1) (1) ut-In(1) io Flow (2) (2) ut-In(2) ydro-static	Gas Rate (Mcf/d)
1259 1000 779 200 200 200 200 200 200 200 20	Pressure vs. Tr CPP Pressure Press	ялс суб Тепретике Гентика и на колони и	- 1005 Tim - 1000 - 505 - 505 - 505 - 500 - 75	ne 1.) 15 76 77 135 255	Pressure (psia) 1610.43 42.23 69.36 640.20 107.04 135.10 636.08	RESSUR Temp (deg F) 100.92 100.40 100.74 101.75 101.69 102.61 104.25 104.48	Annor Initial H Open T Shut-In End Sh Final H Final H S s Rates	tation ydro-static io Flow (1) (1) ut-In(1) io Flow (2) (2) ut-In(2) ydro-static	Gas Rate (Mct/d)

	ITERPRISES LLC	Shelby Resources LLC			17	/17S/13V	V/Barto	on	
		2717 Canal Boulevard			Na	ncy #1-1	7		
					Job	Ticket: 17	7607	DST	#:2
	-	Hays, Kansas 67601 ATTN: Jeremy Schwartz			Tes	st Start: 20)13.08.20) @ 08:28:0	0
GENERAL	INFORMATION:								
Formation:	Lansing/Kansas City								
-	No Whipstock: ened: 09:59:30 led: 16:39:00	ft (KB)			Tes	ster:	Ken Sw i		Hole (Initial)
Interval: Total Depth: Hole Diameter	3312.00 ft (KB) (TVD)				Ref	erence Ele KB t	evations: to GR/CF	1979	.00 ft (KB) .00 ft (CF) .00 ft
Serial #: 6	838 Outside								
Press@RunD Start Date: Start Time:	epth: 635.87 psia @ 2013.08.20 08:28:00	3309.00 ft (KB) End Date: End Time:	2	2013.08.20 16:39:00	Capacity Last Cal Time On Time Off	ib.: Btm: 2		5000 2013.08 20 @ 09:59 20 @ 14:16	:30
	-	Minutes/Strong blow /Blow			bucket in 2 r	ninutes			
	2ND Shut In 120 M	Minutes/Blow back built to							
	-	Minutes/Blow back built to				ninutes RESSUF Temp (deg F)	RE SUN		
1500	2ND Shut In 120 M	Minutes/Blow back built to	3 inche	Time (Min.) 0	P Pressure (psia) 1611.00	RESSUF Temp (deg F) 100.18	Annot Initial H	ation /dro-static	
1500 1220	2ND Shut In 120 M	Minutes/Blow back built to	0 3 inche 105 - 100	es Time (Min.) 0 1	P Pressure (psia) 1611.00 51.47	RESSUF Temp (deg F) 100.18 99.67	Anno Initial H Open T	ation ydro-static To Flow (1)	
- - - - - - - - - - - - - - - - - - -	2ND Shut In 120 M	Minutes/Blow back built to	3 inche	Time (Min.) 0	P Pressure (psia) 1611.00	RESSUF Temp (deg F) 100.18	Annot Initial H	ation ydro-static io Flow (1) (1)	
1250	2ND Shut In 120 M	Minutes/Blow back built to	9 3 inche 1005 1005	Es Time (Min.) 0 1 15 76 76 76	Pressure (psia) 1611.00 51.47 69.18 639.62 123.46	RESSUR Temp (deg F) 100.18 99.67 99.59 101.77 101.64	Annot Initial H Open T Shut-In End Sh Open T	ation ydro-static o Flow (1) (1) ut-In(1) o Flow (2)	
	2ND Shut In 120 M	Vinutes/Blow back built to	9 3 inche 1005 1005	es Time (Min.) 0 1 15 76	Pressure (psia) 1611.00 51.47 69.18 639.62 123.46 133.95	RESSUR Temp (deg F) 100.18 99.67 99.59 101.77 101.64 103.04	Annot Initial H Open T Shut-In End Sh Open T Shut-In	ation / dro-static io Flow (1) (1) (1) ut-In(1) io Flow (2) (2)	
1220	2ND Shut In 120 M	Minutes/Blow back built to	9 3 inche	Es Time (Min.) 0 1 15 76 76 135	Pressure (psia) 1611.00 51.47 69.18 639.62 123.46	RESSUR Temp (deg F) 100.18 99.67 99.59 101.77 101.64	Annot Initial H Open T Shut-In End Sh Open T Shut-In End Sh	ation / dro-static io Flow (1) (1) (1) ut-In(1) io Flow (2) (2)	
	2ND Shut h 120 M	Vinutes/Blow back built to	9 3 inche	Time (Min.) 0 1 15 76 76 135 255	Pressure (psia) 1611.00 51.47 69.18 639.62 123.46 133.95 635.87	RESSUR Temp (deg F) 100.18 99.67 99.59 101.77 101.64 103.04 104.86	Annot Initial H Open T Shut-In End Sh Open T Shut-In End Sh	tation ydro-static o Flow (1) (1) ut-In(1) o Flow (2) (2) ut-In(2)	
	2ND Shut h 120 M	Vinutes/Blow back built to	9 3 inche	Time (Min.) 0 1 15 76 76 135 255	Pressure (psia) 1611.00 51.47 69.18 639.62 123.46 133.95 635.87	RESSUF Temp (deg F) 100.18 99.67 99.59 101.77 101.64 103.04 104.86 105.11	Annor Initial H Open T Shut-In End Sh Open T Shut-In End Sh Final H	tation ydro-static io Flow (1) (1) ut-In(1) io Flow (2) (2) ut-In(2) ydro-static	
1220 1000 770 500 220 90 90 90 90 90	2ND Shut h 120 M	Vinutes/Blow back built to	9 3 inche	Time (Min.) 0 1 15 76 76 135 255	Pressure (psia) 1611.00 51.47 69.18 639.62 123.46 133.95 635.87	RESSUF Temp (deg F) 100.18 99.67 99.59 101.77 101.64 103.04 104.86 105.11	Annor Initial H Open T Shut-In End Sh Gon T Shut-In End Sh Final H Shut-In Final H Shut-In Shut-In Shut-In Shut-In	tation ydro-static io Flow (1) (1) ut-In(1) io Flow (2) (2) ut-In(2) ydro-static	Gae Paro / Martí-A
1000 750 600 200 0 Jue Aug 2013 PMM Length (ft)	2ND Shut h 120 M	Vinutes/Blow back built to	9 3 inche	Time (Min.) 0 1 15 76 76 135 255	Pressure (psia) 1611.00 51.47 69.18 639.62 123.46 133.95 635.87	RESSUF Temp (deg F) 100.18 99.67 99.59 101.77 101.64 103.04 104.86 105.11	Annor Initial H Open T Shut-In End Sh Gon T Shut-In End Sh Final H Shut-In Final H Shut-In Shut-In Shut-In Shut-In	tation ydro-static io Flow (1) (1) ut-In(1) io Flow (2) (2) ut-In(2) ydro-static	Gas Rate (Mct/d)
1000 1000 1000 1000 1000 1200 126.00	2ND Shut In 120 M	Vinutes/Blow back built to	9 3 inche	Time (Min.) 0 1 15 76 76 135 255	Pressure (psia) 1611.00 51.47 69.18 639.62 123.46 133.95 635.87	RESSUF Temp (deg F) 100.18 99.67 99.59 101.77 101.64 103.04 104.86 105.11	Annor Initial H Open T Shut-In End Sh Gon T Shut-In End Sh Final H Shut-In Final H Shut-In Shut-In Shut-In Shut-In	tation ydro-static io Flow (1) (1) ut-In(1) io Flow (2) (2) ut-In(2) ydro-static	Gas Rate (Mcf/d)
500 500 500 500 500 500 500 500	2ND Shut In 120 M	Vinutes/Blow back built to	9 3 inche	Time (Min.) 0 1 15 76 76 135 255	Pressure (psia) 1611.00 51.47 69.18 639.62 123.46 133.95 635.87	RESSUF Temp (deg F) 100.18 99.67 99.59 101.77 101.64 103.04 104.86 105.11	Annor Initial H Open T Shut-In End Sh Gon T Shut-In End Sh Final H Shut-In Final H Shut-In Shut-In Shut-In Shut-In	tation ydro-static io Flow (1) (1) ut-In(1) io Flow (2) (2) ut-In(2) ydro-static	Gas Rate (Mcf/d)
1220 100 1000 1	2ND Shut In 120 M Pressure vs. Time REG Presure Pressure vs. Time Pressure vs. Time	Vinutes/Blow back built to	9 3 inche	Time (Min.) 0 1 15 76 76 135 255	Pressure (psia) 1611.00 51.47 69.18 639.62 123.46 133.95 635.87	RESSUF Temp (deg F) 100.18 99.67 99.59 101.77 101.64 103.04 104.86 105.11	Annor Initial H Open T Shut-In End Sh Gon T Shut-In End Sh Final H Shut-In Final H Shut-In Shut-In Shut-In Shut-In	tation ydro-static io Flow (1) (1) ut-In(1) io Flow (2) (2) ut-In(2) ydro-static	Gas Rate (Mct/d)
220 5000 770 500 270 500 270 944 944 944 944 126.00 0.00 156.00	2ND Shut In 120 M	Vinutes/Blow back built to	9 3 inche	Time (Min.) 0 1 15 76 76 135 255	Pressure (psia) 1611.00 51.47 69.18 639.62 123.46 133.95 635.87	RESSUF Temp (deg F) 100.18 99.67 99.59 101.77 101.64 103.04 104.86 105.11	Annor Initial H Open T Shut-In End Sh Gon T Shut-In End Sh Final H Shut-In Final H Shut-In Shut-In Shut-In Shut-In	tation ydro-static io Flow (1) (1) ut-In(1) io Flow (2) (2) ut-In(2) ydro-static	Gas Rate (Mct/d)

	ERIA		DRI	LL STE	MTEST	REPO	RT	TOOL DIAGRAM
		;	Shelby	Resources L	LC		17/17S/13W/Barton	
	CTER S		-	anal Bouleva	rd		Nancy #1-17	
			Suite C	(ansas 6760 ⁻	1		Job Ticket: 17607	DST#:2
				Jeremy Sch			Test Start: 2013.08.20 @	08:28:00
Tool Informatio	 วท		ļ					
Drill Pipe:	Length:	2934.00 ft	Diameter:	3.80 in	ches Volume:	41.16 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:	330.00 ft	Diameter:	2.25 in	ches Volume:	1.62 bbl	Weight to Pull Loose:	84000.00 lb
	6				Total Volume:	42.78 bbl	- Tool Chased	0.00 ft
Drill Pipe Above k		4.00 ft					String Weight: Initial	69000.00 lb
Depth to Top Pac		3287.00 ft					Final	69000.00 lb
Depth to Bottom I		ft						
Interval between	Packers:	25.00 ft						
Tool Length:		52.00 ft		o == ·				
Number of Packe	rs:	2	Diameter:	6.75 in	ches			
Tool Comments:								
Tool Description	on	Le	ngth (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
			5.00			3265.00		
Shut In Tool						3270.00		
			5.00			3270.00		
Shut In Tool Hydrolic Tool Jars			5.00 5.00			3270.00		

3282.00

3287.00

3307.00

3308.00

3309.00

3312.00

Inside

Outside

27.00

25.00

Bottom Of Top Packer

Bottom Packers & Anchor

Total Tool Length:

Packer

Packer

Anchor

Recorder

Recorder

Bullnose

5.00

5.00

20.00

1.00

1.00

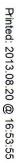
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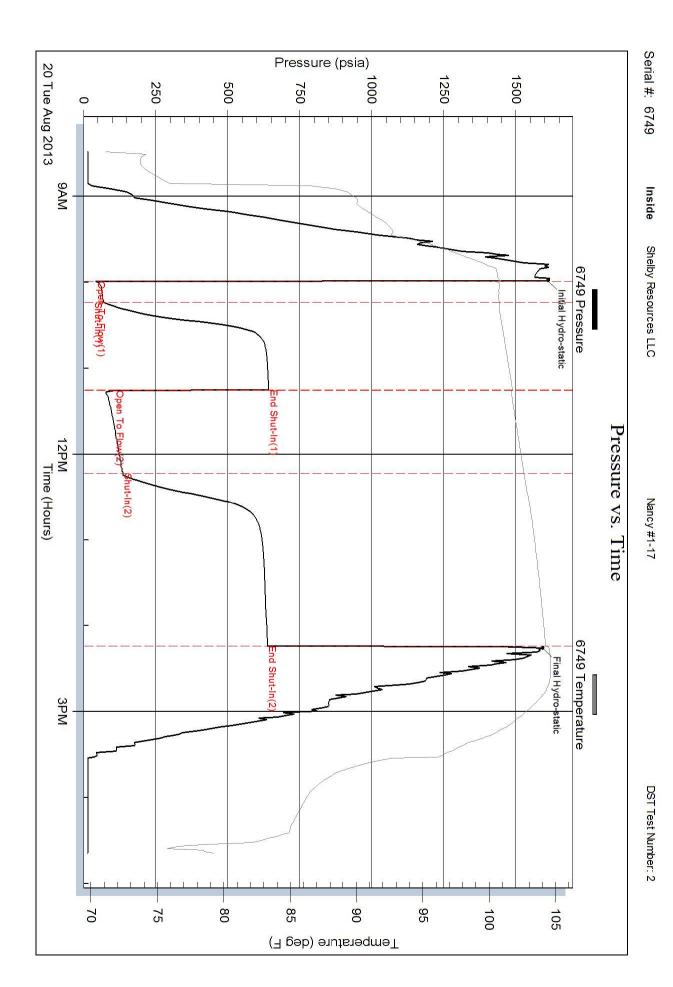
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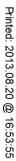
6749

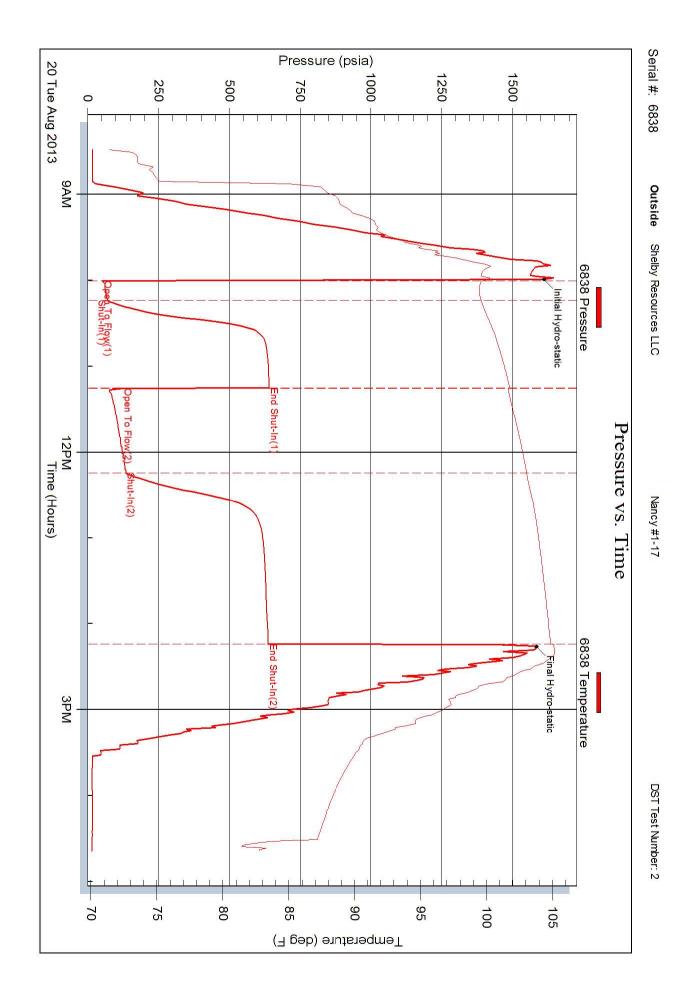
6838

ENTERPRISES LLC ENTERPRISES LLC ENTERPRISES LLC Mud and Cushion Info Mud Type: Gel Chem Mud Weight: 9.00 lk Viscosity: 62.00 s Vater Loss: 8.00 ir Resistivity: 0 Salinity: 5700.00 p	2717 C Suite C Hays, ATTN: prmation	Resources LLC Canal Boulevard C Kansas 67601 Jeremy Schwartz	Nancy #1 Job Ticket:		
Mud Type: Gel Chem Mud Weight: 9.00 lk /iscosity: 62.00 s Nater Loss: 8.00 ir Resistivity: o	Suite C Hays, ATTN: prmation	C Kansas 67601	Job Ticket:		
Mud Type: Gel Chem Mud Weight: 9.00 lk /iscosity: 62.00 s Nater Loss: 8.00 ir Resistivity: o	Hays, ATTN: prmation	Kansas 67601		17607 DST	
Mud Type: Gel Chem Mud Weight: 9.00 lk /iscosity: 62.00 s Nater Loss: 8.00 ir Resistivity: o	ormation		Test Start: 2		#:2
Mud Type: Gel Chem Mud Weight: 9.00 lk /iscosity: 62.00 s Nater Loss: 8.00 ir Resistivity: o	ormation			2013.08.20 @ 08:28:0	0
Mud Type: Gel Chem Mud Weight: 9.00 lk /iscosity: 62.00 s Nater Loss: 8.00 ir Resistivity: o					
Aud Weight:9.00 lk/iscosity:62.00 sVater Loss:8.00 irResistivity:o					
liscosity: 62.00 s Vater Loss: 8.00 ir Vater kistivity: o		Cushion Type:		Oil API:	deg API
/ater Loss: 8.00 ir esistivity: o		Cushion Length:	ft	Water Salinity:	ppm
esistivity: o		Cushion Volume:	bbl		
		Gas Cushion Type:			
alinity: 5700.00 p	hm.m	Gas Cushion Pressure:	psia		
ilter Cake: 1.00 ir					
ecovery Information		Recovery Table			
	L au ath) (a human	7	
	Length ft	Description	Volume bbl		
	126.00	Gassy Muddy Oil	0.62	0	
	0.00	Gas 20% Mud 40% Oil 40%	0.00	0	
	156.00	Clean gassy Oil	0.76		
	0.00	Gas 30% Oil 70%	0.00		
	0.00	Corrected Gavity Oil 38	0.00		
	0.00	1039 Feet of gas in pipe	0.00	0	
Tot	al Length: 282	.00 ft Total Volume: 1.387	bbl		
Nur	m Fluid Samples: 0	Num Gas Bombs: 0	Serial #	<u>t:</u>	
Lat	ooratory Name:	Laboratory Location:			
Rec	covery Comments:				











DRILL STEM TEST REPORT

Prepared For: S

Shelby Resources LLC

2717 Canal Boulevard Suite C Hays, Kansas 67601

ATTN: Jeremy Schwartz

Nancy #1-17

17/17S/13W/Barton

Start Date:	2013.08.21	@ 05:07:00	
End Date:	2013.08.21	@ 09:16:00	
Job Ticket #:	17607	DST #:	3

Superior Testers Enterprises LLC PO Box 138 Great Bend KS 67530 1-800-792-6902 DST # 3

	Shelby Resources LLC			78/12\//	/Barton		
CSTER!	2717 Canal Boulevard Suite C			су #1-17			
	Hays, Kansas 67601			icket: 176		DST#:	3
	ATTN: Jeremy Schwartz		Test S	Start: 201	13.08.21 @ (05:07:00	
GENERAL INFORMATION:							
Formation: Lansing/Kansas (Deviated: No Whipstock: Time Tool Opened: 06:23:00 Time Test Ended: 09:16:00			Test T Teste Unit N	r: K	onventional I en Sw inney 325 Great Be		le (Initial)
Interval:3335.00 ft (KB) ToTotal Depth:3452.00 ft (KB) (Hole Diameter:7.80 inches He			Refer	ence Elev KB to	vations: GR/CF:	1992.00 1979.00 13.00	ft (CF)
1ST Shut In 6	End Date:		Capacity: Last Calib.: Time On Bt Time Off Bi	:m: 20	20 013.08.21 @ 013.08.21 @		
7750 775		Time	PRE	Temp	E SUMMA Annotation		
1 550 1 1 1 1 1 1 1 1 1 1		(Min.) 0 1 16 76	1702.10 86.25 92.58 935.84	104.70 105.13 106.19	Initial Hydro- Open To Flo Shut-In(1) End Shut-In(w (1) [1)	
		77 77 84	I I	106.13	Open To Flo Shut-In(2) Final Hydro-		
1000 1 750 <td></td> <td>77 84 85</td> <td>1684.13</td> <td>100.40</td> <td></td> <td></td> <td></td>		77 84 85	1684.13	100.40			
		• • • •	1684.13	100.40			
250 270 0 5/44 1/4 0/4 0/44 0/44 1/4 1/4 1/4 1/4 1/4 1/4 1/4	SVAL SYAL	85 3 3	1684.13		Pates		
200		85	1684.13	Gas	Rates	(psia) G	as Rate (Mcf/d)
500 270 504 Wed Aug 2013 Wed Aug 2013 Control of the second	SVAL SYAL	85	1684.13			(psia) G	as Rate (Mcf/d)

5		DRILL STI Shelby Resources				17S/13W	V/Bart	on	
	PRISES LLC	-							
	TEN	2717 Canal Boulev Suite C				ncy #1-1 Ticket: 17		DST	#. 2
		Hays, Kansas 676 ATTN: Jeremy Sc						21 @ 05:07:00	-
Formation:	Lansing/Kansas Ci	tv							
Deviated: Time Tool Opened: Time Test Ended:	No Whipstock: : 06:23:00	ft (KB)			Test Test Unit	ter: ł	Ken Sw	tional Bottom inney eat Bend/32	Hole (Initial)
Interval: 33 Total Depth: Hole Diameter:	335.00 ft (KB) To 34 3452.00 ft (KB) (TV 7.80 inchesHole				Refe	erence Ele KB te	evations o GR/Cl	1979.0	00 ft (KB) 00 ft (CF) 00 ft
Serial #: 6838 Press@RunDepth: Start Date: Start Time: TEST COMME	: 936.73 psia 2013.08.21 05:07:00 NT: 1ST Open 15 1ST Shut In 60	 @ 3449.08 ft (Ki End Date: End Time: Minutes/Weak blow / Minutes/No blow bac Minutes/Dead no blog 	/Blow built to		Capacity: Last Calit Time On I Time Off	o.: Btm: 2		5000.0 2013.08.3 2.21 @ 06:23:0 2.21 @ 07:48:0	00
	Pressure vs. T							MMARY	
1750		083 Temperature	- 105	Time (Min.) 0 1 15	Pressure (psia) 1703.31 86.56 90.78	Temp (deg F) 104.99 104.78 104.84	Initial F	otation Hydro-static To Flow (1)	
1000				75	936.73 92.41 97.66	105.48	End St	hut-ln(1) To Flow (2)	
	CALL ZALL			85	1682.35	105.73		łydro-static	
o							s Rate		
e fall wed Ag 2013	Recovery			1					Ore Data (Martia)
solution of the solution of th	Recovery Description	Volum	ne (bbl)			Choke (ii	ncnes) [F	Pressure (psia)	Gas Rate (Mcf/d)
Length (ft)	,	Volum 0.07	. ,			Choke (ii	nches) F	ressure (psia)	Gas Kate (MC//d)

	ERIO		DRI	LL STE	EMTEST	REPO	RT	TOOL DIAGRAM
		;	Shelby	Resources	LLC		17/17S/13W/Barton	
	CTER		-	anal Bouleva	ard		Nancy #1-17	
			Suite C	(ansas 6760)1		Job Ticket: 17607	DST#:3
				Jeremy Sc			Test Start: 2013.08.21 @	05:07:00
Tool Informatio)n		ļ					
Drill Pipe:	Length:	2993.00 ft	Diameter:	3.80 i	nches Volume:	41.98 bb	I Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 i	nches Volume:	0.00 bb	I Weight set on Packer:	20000.00 lb
Drill Collar:	Length:	330.00 ft	Diameter:	2.25 i	nches Volume:	1.62 bb	Weight to Pull Loose:	86000.00 lb
	-				Total Volume:	43.60 bb	Tool Chased	0.00 ft
Drill Pipe Above k		15.00 ft					String Weight: Initial	70000.00 lb
Depth to Top Pac		3335.00 ft					Final	70000.00 lb
Depth to Bottom I		ft						
Interval between	Packers:							
Tool Length:		144.08 ft						
Number of Packe	rs:	2	Diameter:	6.75 i	nches			
Tool Comments:								
Tool Descriptic	on	Le	ngth (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool			5.00			3313.00		
l kudralia Taal			5.00			3318.00		
Hydrolic Tool								
Hydrolic Tool Jars			5.00			3323.00		

3330.00

3335.00

3340.00 3340.75

3436.33

3437.08

3447.08

3448.08

3449.08

3452.08

Inside

Outside

27.00

117.08

Bottom Of Top Packer

Bottom Packers & Anchor

Total Tool Length: 144.08

5.00

5.00

5.00

0.75

95.58

0.75

10.00

1.00

1.00

3.00

6749

6838

Packer

Packer

Drill Pipe

Anchor

Recorder

Recorder

Bullnose

Perforations

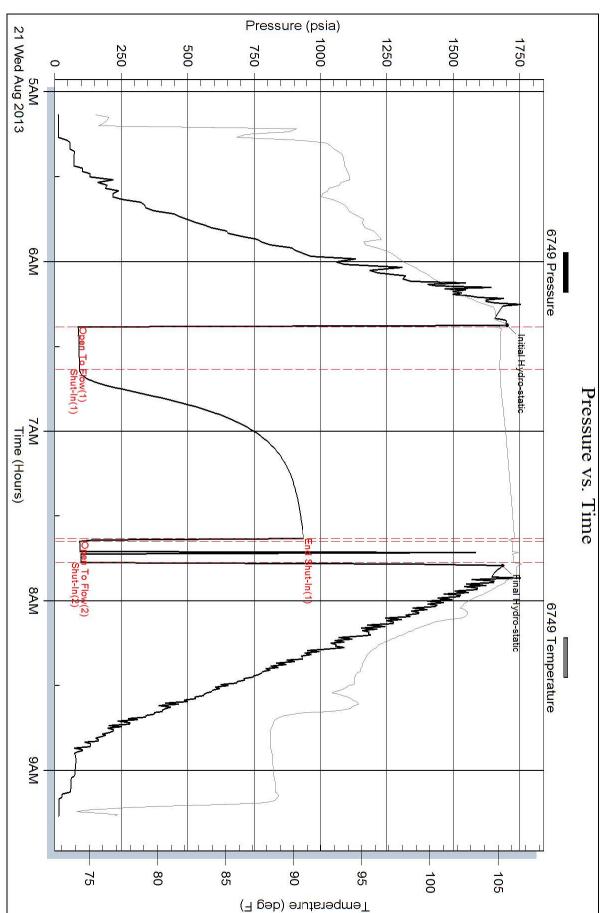
Change Over Sub

Change Over Sub

	DR	ILL STEM TEST REPOR	Т	FLU	
	Shelby	y Resources LLC	17/17S/13	W/Barton	
	2717 (Canal Boulevard	Nancy #1-	-17	
COTEC	Suite	C	Job Ticket: 1		T#:3
		Kansas 67601 Jeremy Schwartz		2013.08.21 @ 05:07:0	-
Mud and Cushion Info	ormation				
Mud Type: Gel Chem	.,	Cushion Type:		Oil A PI:	deg API
Mud Weight: 9.00 lk Viscosity: 60.00 s		Cushion Length: Cushion Volume:	ft bbl	Water Salinity:	ppm
Nater Loss: 8.80 ir	-	Gas Cushion Type:	וממ		
	ohm.m	Gas Cushion Pressure:	psia		
Salinity: 5800.00 p			pola		
	nches				
Recovery Information	ו				
		Recovery Table	<u> </u>	Г	
	Length ft	Description	Volume bbl		
	15.00	Mud 100%	0.074	4	
Tot	ŀ	5.00 ft Total Volume: 0.074 bb	•	-	
	m Fluid Samples: 0	Num Gas Bombs: 0	Serial #		
Ree	covery Comments:				
Rei	covery Comments:				
Rei	covery Comments:				
Rei	covery Comments:				
Rea	covery Comments:				
Rei	covery Comments:				
Rei	covery Comments:				
Rei	covery Comments:				

Printed: 2013.08.21 @ 09:30:41

Superior Testers Enterprises LLC Ref. No: 17607



Shelby Resources LLC

Serial #: 6749

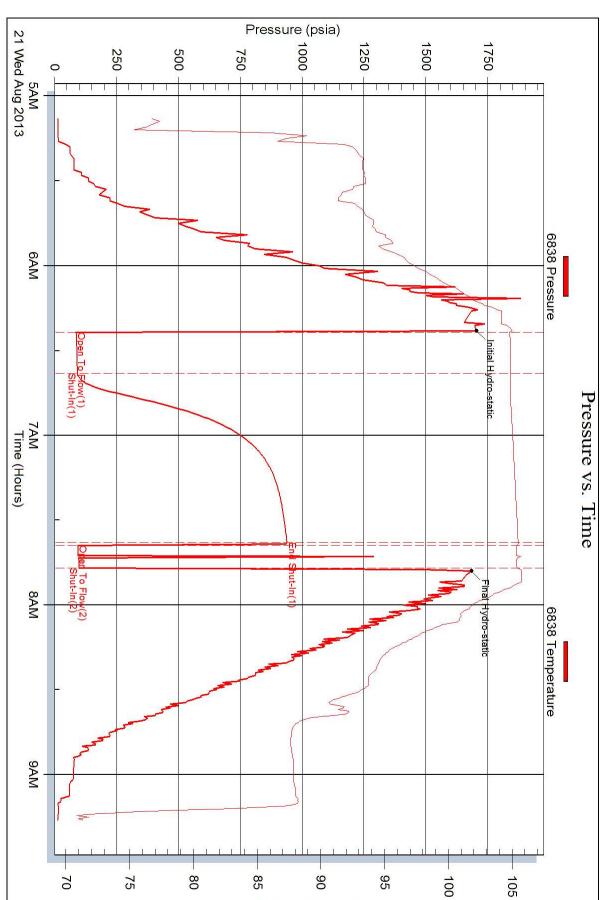
Inside

Nancy #1-17

DST Test Number: 3

Printed: 2013.08.21 @ 09:30:42

Superior Testers Enterprises LLC Ref. No: 17607



Temperature (deg F)

Nancy #1-17

Serial #: 6838

Outside

Shelby Resources LLC

DST Test Number: 3

QUALIT	TY OILWE	LL CEMENTING, IN	C.
Phone 785-483-2025 Cell 785-324-1041		ax I.D.# 20-2886107 Box 32 Russell, KS 67665 No.	7752
Date 8-16-13 Sec.	Twp. Range	County KState On Location	4:45 PM
1	Loc	cation 281"4 Jet 3N, 3E.	VUS ElS
Lease Nancy	Well No. 1-17	Owner	
Contractor Stepling	5	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment cementer and helper to assist owner or contractor to do	and furnish
Hole Size 12 1/4 "	T.D. 955'	Charge Ci II O	
Csg. 85/8"	Depth 950'	To Shelby Kesourees	
Tbg. Size	Depth JOD	Street	
Tool		City State	· · ·
	Depth	The above was done to satisfaction and supervision of owner	agent or contractor.
Cement Left in Csg. 92, 53	Shoe Joint 90,50	Cement Amount Ordered 4 50 5X	60140
Meas Line EQUIPM	Displace <u>J'1948</u> C	STOCC JO GRI 14# +15-801 Common 270	
Pumptrk / Helper	114	Poz. Mix 180	Balling and a second
Bulktrk 19 No. Driver	d	Gel. 10 9	AA DO
Bulktrik D, UNO. Driver Rid	K	Calcium /	CONSCIENCE ARCASO
JOB SERVICES	& REMARKS	Hulls	and clocks toten and
Remarks: Cement did	Circulate.	Salt	Scontres -
Rat Hole		Flowseal //2tt	
Mouse Hole	1	Kol-Seal	
Centralizers Shut , n	a not	Mud CLR 48	
Baskets		CFL-117 or CD110 CAF 38	1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -
D/V or Port Collar		Sand	1897-1803-033 3. 63 mailto turo cont
		Handling 475	
		Mileage	
		FLOAT EQUIPMENT	
		Guide Shoe I WELL NO	
			and the second s
	nori cen ez e	Centralizer	
		Baskets	
		AFU Inserts	
		Float Shoe	
		Latch Down	
		- Battle plate	-4
		1 - Rubber Dluck	
		Pumptrk Charge OH & Sur Face	10 210
		Mileage 2/	files a se
	No set by sol	Tax	
x an n 1 x		Discount	
Signature Olan Latto	а. — — — — — — — — — — — — — — — — — — —	Total Charge	5)



TREATMENT REPORT

Customer 5	heiby 1	R+ Sources		ase No.		а — — — — — — — — — — — — — — — — — — —		Date	0 5	7 -1	>		
	ANCY	×	We	ell #	-17			ж. К	8-5				
Field Order #	# Station	101944	lates		Casing	51/2 Depth	ו	County BATTUN State KS					
Type Job	Snw	L.S.	15		51	Formation	I		Legal D	escription	13		
	E DATA	PERF	ORATING I		FLUID	USED		TF	EATMENT				
asing Size	7 Tubing Siz	ze Shots/F	t		Acid-Crist	AA.2	.250-	RATE F	PRESS	ISIP			
Depth 350		From	То		Pre Pad	SAS Blue	Max	ELO.	5 # 311)00	5 Min	1 Concre		
olume	Volume	From	То		Pad man	other avi	Min	20 2-1		10 Min.			
lax Press	A Max Press	From	То		Frac		Avg			15 Min.	0		
	on Annulus V	ol. From	То				HHP Used	1		Annulus Pre	essure		
lug Depth	.0 Packer De	From	То		Flush &4.		Gas Volun	ne		Total Load			
ustomer Rep	presentative	Shris G	ottichalw	Station	Manager V/ e	win Go	roley	Treater	mike	n attaj			
Service Units		N . S	77686	19909		19831	19862						
Driver Names	MATTAL		VUUV	19	2	Pirrs	041						
Time	Casing Pressure	Tubing Pressure	Bbls. Pump	ed	Rate			Ş	Service Log		-		
7.05 Pm					0 E 3	On Luc	prion /	SAGT	y meet	iny	-		
7:10			Υ.			RUN	CASING	-		a :			
8:45)				CASING	on bo	Tront			п. н. — — — — — — — — — — — — — — — — — —		
qiou		(.				have 4	1 75 Fi	3 /Br	an citt	hu deig			
			1			CITCH Main		e.	. *	49			
9.56	7 5W -		·		eester. Sergi				51113		-		
0:00	300				17.	rhix	50 5K	Sc	oversel				
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10:15	150				5	STATE	Urarh	in pris	<u>к</u> . «				
10:28	300	2	. 75		3	5104.1	and the second second second second second						
10:33	1500		86			plays	jown/	inge. T	help		3		
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			1					Mil	le mistro	1	*#		
5.9.7 A													
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								2.					
						1							
										-			

Taylor Printing, Inc. 620-672-3656

	Scale 1:240 Imperial		
Well Name: Surface Location: Bottom Location: API:	# 1-17 Nancy 1634' FNL _710' FWL Sec 17-17s-13 15-009-25870-00-00	W	
License Number: Spud Date:	8/15/2013	Time:	6:15 PM
Region: Drilling Completed: Surface Coordinates: Bottom Hole Coordinates:	Barton County 8/22/2013 Y = 695027 & X = 1916774 Y = 695027 & X = 1916774	Time:	2:25 AM
Ground Elevation: K.B. Elevation: Logged Interval: Total Depth: Formation: Drilling Fluid Type:	1979.00ft 1992.00ft 2700.00ft 3539.00ft Arbuckle Chemical/Fresh Water Gel	To:	3539.00ft
Company: Address:	OPERATOR Shelby Resources, LLC 445 Union Blvd, Suite 208 Lakewood, CO 80228		
Contact Geologist: Contact Phone Nbr: Well Name: Location: Pool: State:	Janine Sturdavant 303-907-2209 / 720-274-4682 # 1-17 Nancy 1634' FNL _710' FWL Sec 17-17s-13 Kansas	W API: Field: Country:	15-009-25870-00-00 Wildcat USA
	LOGGED BY		
Company: Address:	Shelby Resources, LLC 445 UNION BLVD. Suite 208 LAKEWOOD, CO. 80228		
Phone Nbr: Logged By:	203-671-6034 Geologist	Name:	Jeremy Schwartz

NOTES

The Shelby Resources Nancy #1-17 was drilled to a total depth of 3539', bottoming in the Arbuckle. A TookeDaq gas detector was employed in the drilling of said well.

Three DST's were conducted throughout the Lansing Kansas City 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

NOTE: Elog depths are 2' Higher/Shallower to the Drill Time so all DST's need to be adjusted 2' Higher

SURFACE CO-ORDINATES

Well Type: Vertical

Longitude: N/S Co-ord: E/W Co-ord: Y = 695027 X = 1916774 Latitude:

E/W Co-ord:	X = 1916/74	
	CONTRACTOR	
Rig #: Rig Type: Spud Date:	Sterling Drilling Co 5 mud rotary	6:15 PM 2:25 AM

ELEVATIONS

1992.00ft 13.00ft K.B. Elevation: K.B. to Ground:

Ground Elevation:

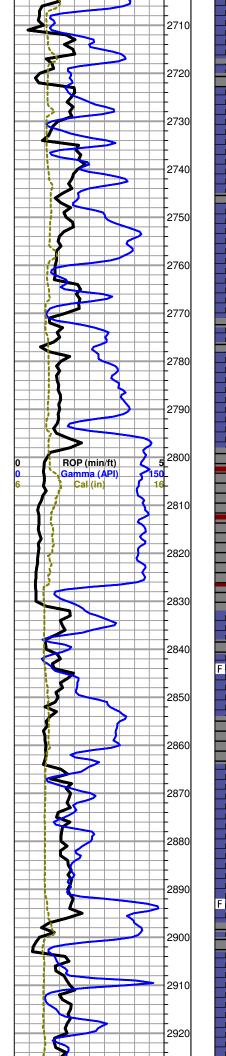
1979.00ft

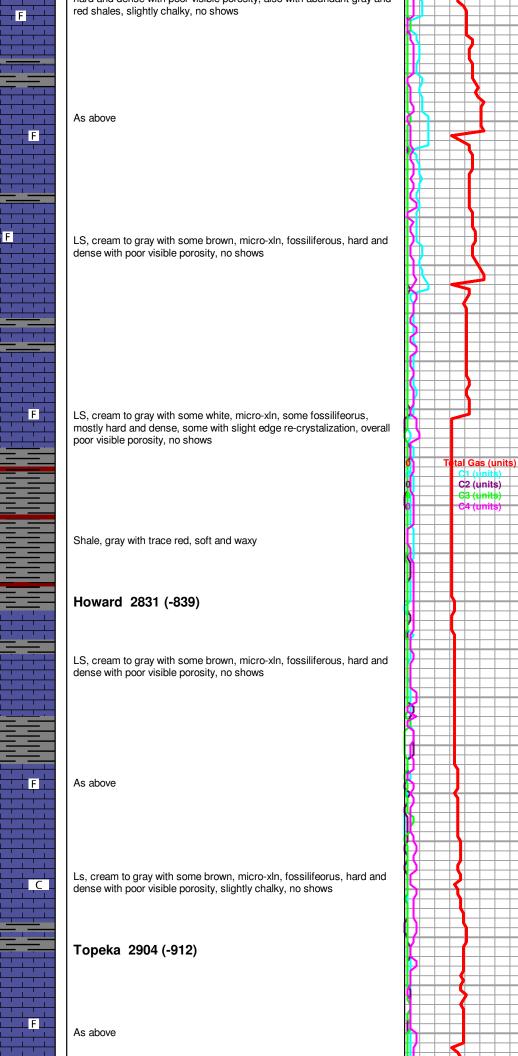
DATE	DEPTH	ΑCTIVITY
Sunday, August 18, 2013	2945'	Geologist Jeremy Schwartz on location @ 2200hrs, Drilling ahead
Monday, August 19, 2013	3000'	Drilling ahead through Heebner, Toronto, Douglas, LKC, Short Trip, Strap out, Drop
	3287'	Survey, Conduct DST #1 in LKC "A-D"
Tuesday, August 20, 2013	3312'	Drilling Ahead through LKC F, G, Conduct DST #2 in LKC "F-G", Drilling ahead through
		Muncie Creek, LKC "H"
Wednesday, August 21, 2013	3400'	Drilling ahead through Stark, BKC, Conduct DST #3 in the LKC "H-K"
	3452'	Drilling ahead through BKC, Conglomerate, Arbuckle, Structural position and
		lack of shows in Arbuckle do not warrant DST
Thursday, August 22, 2013	3485'	Drilling Ahead to TD @ 3539', TD of 3539' reached @ 0225hrs
	3539'	Conduct Logging Operations, Logging operations complete @ 0930hrs
		Geologist Jeremy Schwartz released @ 1015hrs

CLIENT:	SHELBY RESOURCES, LLC
WELL NAME:	NANCY #1-17
LEGAL:	17-175-13W
COUNTY:	BARTON
API :	15-009-25870-0000
DRLG CONTRACTOR:	STERLING DRILLING CO.
RIG #:	5
DOGHOUSE #:	620-388-5433
TOOLPUSHER:	ALAN LOFTIS
CELL #:	620-388-2736

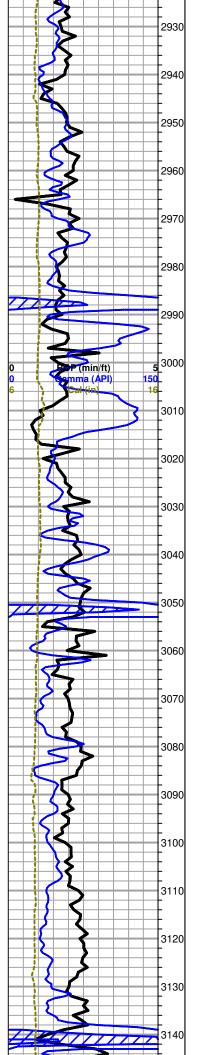
						•				1	•			3	D&A							
1						SHELBY RESOURCES, LLC				SHELBY RESOURCES, LLC				ENERGY THREE, INC								
		NANC	/ #1-17			HOFFM	AN #1	l-18				CLARKS	ON #1	l-17		9	CREST TRUST #1					
		C N/2 :	SW NW			18-175-13W C 5/2 NE					17-175-1	and the los	SY LOLDA			511008	-175-13W		a charles and	IW		
	КВ		1992		КВ	КВ 1945			КВ			974		1	КВ		-	961				
	LOG	TOPS	- Alter Andreas	E TOPS	COMI	P. CARD	L	06	SN	IPL.	1.122/11/2411	P. CARD	L	OG	SN	IPL.	105(5P4/07875)	. CARD	Li	OG	ŚM	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	928	1064	929	1063	890	1055	+	9	÷+.	8	908	1066	-	2	¥.	3	898	1063	+	1	+	0
BASE	956	1036	960	1032	917	1028	+	8	+	4	936	1038	-	2	E.	6	926	1035	+	1		3
KING HILL	2986	-994	2990	-998	2942	-997	+	3	235	1	2971	-997	+	3	1	1	2962	-1001	+	7	+	3
QUEEN HILL	3050	-1058	3052	-1060	3005	-1060	+	2	+	0	3036	-1062	+	4	+	2	3025	-1064	+	6	+	4
HEEBNER SHALE	3138	-1146	3138	-1146	3092	-1147	+	1	+	1	3121	-1147	+	1	+	1	3113	-1152	+	6	+	6
TORONTO	3156	-1164	3159	-1167	3109	-1164	+	0	1000	3	3138	-1164	+	0	<u>, 8</u>	3	3132	-1171	+	7	+	4
DOUGLAS SHALE	3166	-1174	3168	-1176	3119	-1174	+	0	2053	2	3151	-1177	+	3	+	1	3141	-1180	+	6	+	4
BROWN LIME	3218	-1226	3222	-1230	3173	-1228	+	2	1224	2	3203	-1229	+	3	-	1	3196	-1235	+	9	+	5
LKC	3228	-1236	3230	-1238	3182	-1237	+	1	80	1	3211	-1237	+	1		1	3207	-1246	+	10	+	8
LKC G	3300	-1308	3304	-1312	3250	-1305	-	3	-	7	3291	-1317	+	9	+	5	3277	-1316	+	8	+	4
MUNCIE CREEK	3354	-1362	3358	-1366	3309	-1364	+	2	2575	2	3337	-1363	+	1	Hé	3	3328	-1367	+	5	+	1
LKC H	3361	-1369	3367	-1375	3316	-1371	+	2	10240	4	3342	-1368	1	1	4	7	3336	-1375	+	6	+	0
STARK SHALE	3413	-1421	3419	-1427	3369	-1424	+	3	-	3	3398	-1424	+	3	-	3	3387	-1426	+	5	-	1
BKC	3438	-1446	3450	-1458	3397	-1452	+	6	-	6	3424	-1450	+	4	. B.	8	3422	-1461	+	15	+	3
ARBUCKLE	3476	-1484	3479	-1487	3412	-1467	-	17	355	20	3445	-1471		13	-	16	3443	-1482	-	2	-	5
RTD			3539	-1547	3525	-1580	1		+	33	3540	-1566			+	19	3475	-1514	1		1	33
LTD	3537	-1545			3526	-1581	+	36			3542	-1568	+	23			3474	-1513	-	32		
						TES	TED					<u>TE</u>	STED					TES	TED			
					D	ST #1 (3176	-3237) LKC	A-D			DST #1 (320	6-328	0) LKC	B		D\$T #1	(3421-344	4) CON	IG/ARI	вискі	.E
PROGNO:	SIS					IF BO	36 2 N	1				IF WK	TO 2.	5"				30-45	5-30-45			
ANHYDRITE TOP	933	1059				FF - BI	OB <1	м				FF - W	к то з	.5"				10	D'M			
HEEBNER SHALE	3133	-1141				BOB E	SLO BI	ks				18	80'M					IFP 45-45	, FFP 4	5-54		
LKC	3221	-1229				1980' 014						596#	/ 312	#				ISIP 862#	/ FSIP	842#		
вкс	3422	-1430				982#	/ 103	8#									1 - 2/2					
ARBUCKLE RTD	3451 3550	-1459 -1558)ST #2 (3238	3261	NIKC.	E.G.		D	ST #2 (3330 IF STRONG		100 A 100 A			DS.	T #2 (3421-3	3450) <i>/</i>)-45-6(KLE	
KID.	3000	-1008				water and the second						100000000000000000000000000000000000000	12030-00246	100.55 (TAD)					SOCM			
						IF BOB 1M	. BL B	KBUE	5			FF - STRONG	3 I U B	UB 10	M			b0'.	NJUC			_

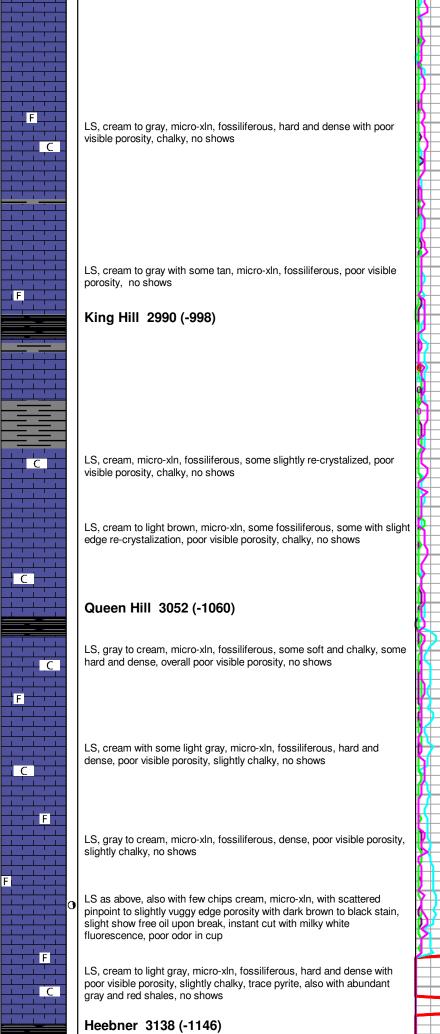
		FF - BOB 1M, BL BK BOB 970' CGO, 60' OCM 780# / 718# DST #3 (3300-3390) IF FAIR TO BOB 3M, BOB BL BK FF - BOB 1M, GTSD 55M FSI BOB BL BK 1380' CO, 120'OCM 1113# / 1122# DST #4 (3388-3422) ARBUCKLE IF WK TO 7", WK BLO BK FF - WK TO 10" - NO BLO BK 230' CO, 90'OCM 1101# / 1086# DST #5(3423-3444) ARBUCKLE IF GOOD TO BOB 2M, WK BLO BK FF - GOOD TO BOB 2M, NO BLO BK 15' CO, 1500' WTR W/ TR OIL 60' WCM 1146# / 1142#	FSI BOB - 43M 240'GIP, 130' SGO, 120' SGOCM 860# / 877# DST #3 (3416-3450) ARBUCKLE IF VERY WK SURFACE FF - NO BLOW 4' DRILLING MUD 923# / 998# DST #4 (3450-3458) ARBUCKLE IF WK BLOW TO 2" FF - NO BLOW 5' DRILLING MUD 1307# / 1094#	IFP 36-36, FFP 54-54 ISIP 1027# / FSIP 1000#
		ROCK TYPES	3	
Congl	Lmst fw-			
		ACCESSORIE	S	
MINERAL △ Chert White ☑ Chert, tripolitic	FOSSIL F Fossils < 20%	STRINGER Chert Limestone Shale green shale red shale	TEXTURE C Chalky	
		OTHER SYMBO	LS	
MISCImiliar Daily ReportImiliar Digital PhotoImiliar DocumentImiliar Document<	DST Int DST att			
Curve Track #1			Printed by GEOstrip VC St	riplog version 4.0.7.0 (www.grsi.ca) TG, C1 - C5
ROP (min/ft) Gamma (API) Cal (in) 1:240 Imperial	Cored Interval Depth Intervals	No 당 IÖ Geolog	ical Descriptions	Total Gas (units)C1 (units)C2 (units)C3 (units)C4 (units)1:240 Imperial
0 ROP (min/ft) 0 Gamma (API) 15	5_2000		y, micro-xln, some fossiliferous, mos	0 Total Gas (units) 50 1 C1 (nits) 50 0 C2 (nits) 50 0 C3 (units) 50 0 C3 (units) 50 0 C4 (units) 50

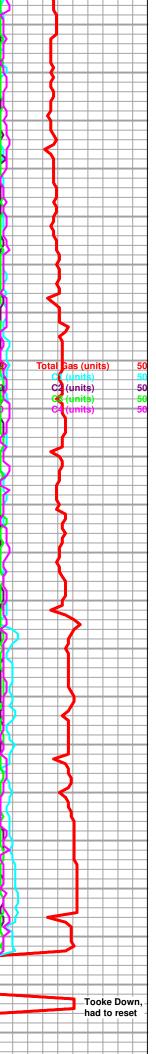


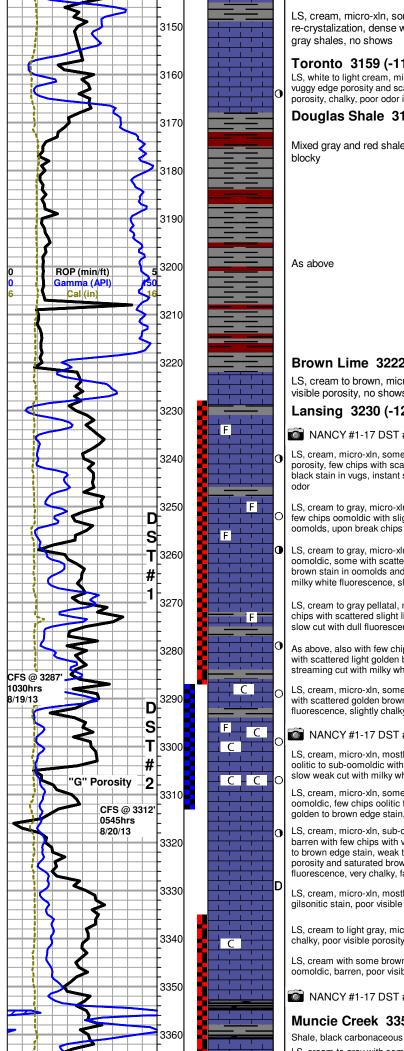


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LS, cream, micro-xln, some slightly fossiliferous, some with slight edge re-crystalization, dense with poor visible porosity, also with abundant gray shales, no shows

Toronto 3159 (-1167)

LS, white to light cream, micro-xln, mostly dense, few chips with very slightly vuggy edge porosity and scattered slight golden brown to brown stain in porosity, chalky, poor odor in cup

Douglas Shale 3168 (-1176)

Mixed gray and red shales, some soft and waxy, some dense and

As above

Brown Lime 3222 (-1230)

LS, cream to brown, micro-xln, fossiliferous, hard and dense with no visible porosity, no shows

Lansing 3230 (-1238)

🔘 NANCY #1-17 DST #1.jpg

LS, cream, micro-xln, some fossiliferous, mostly barren with poor visible porosity, few chips with scattered slightly vuggy porosity and dark brown to black stain in vugs, instant streaming cut with milky white fluorescence, poor

LS, cream to gray, micro-xln, fossiliferous, some sub-oolitic to sub-oomoldic, few chips oomoldic with slight light golden brown scattered stain in some oomolds, upon break chips show good inter-xln porosity, poor odor

LS, cream to gray, micro-xln, some fossiliferous, some sub-oolitic to sub-oomoldic, some with scattered to mostly saturated light golden brown to dark brown stain in oomolds and in matrix on few chips, slow streaming cut with milky white fluorescence, slightly chalky, NSFO, fair odor

LS, cream to gray pellatal, micro-xln, some fossiliferous, mostly barren, few chips with scattered slight light golden brown to dark brown stain, very weak slow cut with dull fluorescence, NSFO, poor odor

- As above, also with few chips cream, micro-xln, fair to good pinpoint porosity with scattered light golden brown stain on edges and in porosity, slow streaming cut with milky white fluorescence, slightly chalky, NSFO, fair odor
- LS, cream, micro-xln, some hard and dense, some soft and chalky, few chips with scattered golden brown edge stain, very weak slow cut with dull fluorescence, slightly chalky, overall poor visible porosity, poor odor

NANCY #1-17 DST #2.jpg

LS, cream, micro-xln, mostly hard and dense, some fossiliferous, some suboolitic to sub-oomoldic with very scattered slight golden to brown edge stain, slow weak cut with milky white fluorescence, very chalky, poor odor

LS, cream, micro-xln, some dense and fossiliferous, some sub-oolitic to suboomoldic, few chips oolitic to oomoldic, few chips with very scattered slight golden to brown edge stain, weak to no cut, very chalky, poor odor

LS, cream, micro-xln, sub-oolitic to sub-oomoldic with some oomoldic, mostly barren with few chips with very fine edge pinpooint porosity with golden brown to brown edge stain, weak to no cut, also found one chip with slightly vuggy porosity and saturated brown stain, instant cut with milky to bright white fluorescence, very chalky, fair fleeting odor

LS, cream, micro-xln, mostly hard and dense, some with scattered black gilsonitic stain, poor visible porosity, no odor

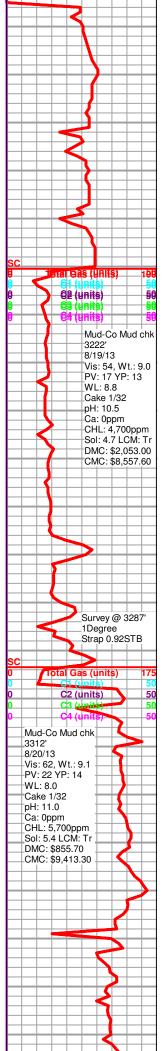
LS, cream to light gray, micro-xln, dense, some fossiliferous, some soft and chalky, poor visible porosity, slightly chalky, no shows, no odor

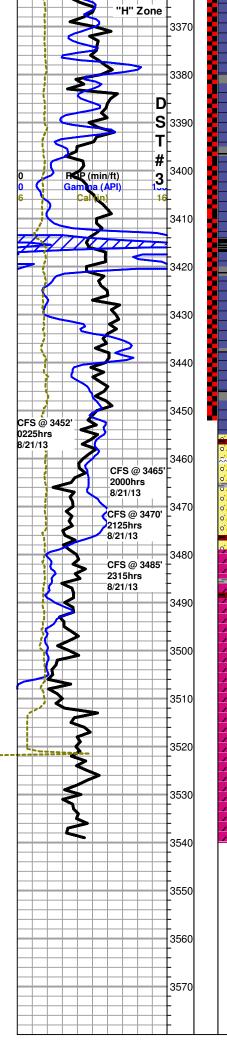
LS, cream with some brown, micro-xln, dense, some fossiliferous, trace oomoldic, barren, poor visible porosity, slightly chalky, no shows, no odor

🗑 NANCY #1-17 DST #3.jpg

Muncie Creek 3358 (-1366)

LS, cream to grav with some brown, micro-xln, mostly dense with poor visible





porosity, some chips with very fine scattered pinpoint porosity and slightly vuggy edges, few chips with very scattered light golden brown stain in porosity,upon break one chip with slight show free oil, very slow weak to no cut on most samples with dull flourescence, poor odor

LS, cream, micro-xln, some hard and dense, some soft and chalky, some oomoldic with black gilsonitic stain in oomolds, few chips also have scattered light brown stain in matrix, slow weak cut with dull fluorescence, slightly chalky, poor odor

LS, cream with some brown, micro-xln, some hard and dense, some soft and chalky, poor visible porosity, no shows, no odor $% \left({{\rm A}} \right) = {\rm A} \left({{\rm$

LS, cream to white, micro-xln, mostly soft and chalky with some dense, few chips with several small vugs and scattered gilsonitic to brown stain in vugs and in matrix, very slow cut with dull fluorescence, also found one chip with good vuggy porosity and development with saturated brown stain, instant cut with milky white fluorescence, poor odor in cup

LS, cream to white with some brown, micro-xln, mostly dense, slightly chalky, poor visible porosity, no shows, no odor

Stark Shale 3419 (-1427)

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LS, cream to white, micro-xin, mostly soft and chalky, some dense, some slightly fossiliferous, few chips slightly re-crystalized with scattered small vugs with light brown stain in vugs and also in matrix, fair show free oil upon break (opaque droplets), slow streaming cut with milky white fluorescence, poor odor in cup

LS, cream to white with some light gray, micro-xln, poor visible porosity, no shows, no odor

LS, cream to gray pellatal, micro-xln, some sub-oolitic, poor visible porosity, few chips brown, micro-xln, with several small vugs and scattered brown stain, slow cut with milky white fluorescence, also with trace orange to transluscent chert, no odor

BKC 3450 (-1458)

3452' 60" LS, cream to white with some light gray, micro-xin, hard and dense to soft and chalky, few chips with several small vugs and black gilsonitic stain in vugs, overall poor visible porosity, slightly chalky, no odor

LS, mixed cream to gray with some light brown, micro-xln, some slightly fossiliferous, poor visible porosity, no shows, trace oomoldic, barren, also with mixed gray to red shales with trace green, and pink to transluscent cherts, trace oolitic chert, sample washes red, no odor in cup

Mixed LS, Shales, and cherts as above, samples wash red, no shows or odor

Arbuckle 3479' (-1487)

3485' 30" Mixed LS, shales, and cherts as above, also with few chips dolomite, white, micro-med xln with scattered black gilsonitic stain, poor visible porosity, upon break chips show fair inter-xln porosity, no cut, also with trace white, micro-xln, sub-sucrosic, barren, friable, sample washes red, no odor in cup

3485 60" Dolomite, white, micro-xln, some sub-sucrosic, mostly barren with poor visible porosity, few chips with scattered black gilsonitic stain, also with some mixed LS, shale, and chert as above, sample washes red, no odor in cup

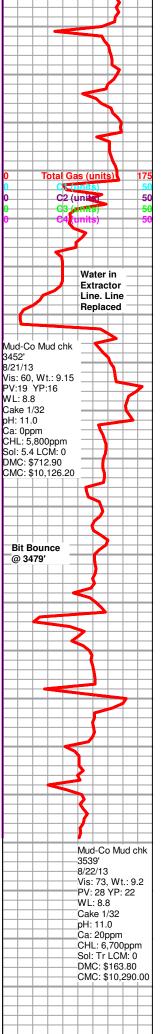
3500' sample Dolomite as above, few chips with pyrite inclusions, still with some shales and cherts as above and red wash, found 2 small chips tripolitic chert with mostly saturated brown to black stain, instant cut with bright white fluorescence, chalky, no odor in cup

Dolomite, white to cream, micro-xln, mostly dense, some friable, barren, poor visible porosity, overall less chert and shale but still some, red wash, chalky, no odor

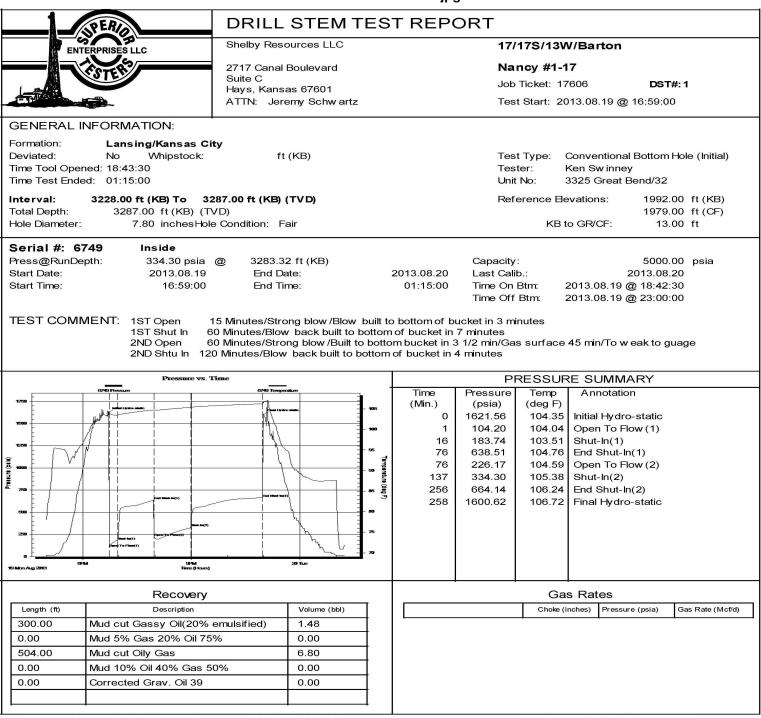
Dolomite as above, few chips with black gilsonitic stain, also with some white chert, no shows or odor

Dolomite, cream to white micro-xln, dense, trace black gilsonitic stain, some vf white, sucrosic, barren, also with some white chert, chalky, no odor in cup

Rotary TD 3539' @ 0225hrs 8/22/13 Nabors Well Services Logging TD @ 3537' Complete Logging Operations @ 0930hrs 8/22/13 Geologist Jeremy Schwartz off location @ 1000hrs 8/22/13



NANCY #1-17 DST #1.jpg



Superior Testers Enterprises LLC

Ref. No: 17606

Printed: 2013.08.20 @ 01:41:07

NANCY #1-17 DST #2.jpg

RER	DRILL STEM TES	TREP	ORT				
ENTERPRISES LLC	Shelby Resources LLC		17/	17S/13V	V/Barton		
	2717 Canal Boulevard		Na	ncy #1-1	7		
	Suite C Hays, Kansas 67601		Job Ticket: 17607 DST#:2				
	ATTN: Jeremy Schwartz		Tes	t Start: 20	013.08.20 @	08:28:00	
GENERAL INFORMATION:	ļ						
Formation: Lansing/Kansas Ci	itv						
Deviated: No Whipstock: Time Tool Opened: 09:59:30 Time Test Ended: 16:39:00		Tes	Test Type: Conventional Bottom Hole (Initial) Tester: Ken Sw inney Unit No: 3325 Great Bend/32				
	312.00 ft (KB) (TVD)		Ref	erence 🖽	evations:	1992.00	
Total Depth: 3312.00 ft (KB) (T Hole Diameter: 7.80 inchesHol	VD) e Condition: Fair			KB t	o GR/CF:	1979.00 13.00	
						15.00	
Serial #: 6749 Inside						5000.00	
Press@RunDepth: 135.10 psia Start Date: 2013.08.20	@ 3308.00 ft (KB) End Date:	2013.08.20	Capacity Last Calil			5000.00 2013.08.20	psia
Start Time: 08:28:00	End Time:	16:39:00	Time On		2013.08.20 (
			Time Off	Btm: 2	2013.08.20 (@ 14:15:30	
TEST COMMENT: 1ST Open 1ST Shut In 2ND Open 2ND Shut In 1	15 Minutes/Good blow /Blow built to 60 Minutes/Blow back built to 1 inc 60 Minutes/Strong blow /Blow built 20 Minutes/Blow back built to 3 incl	h to bottom of 1	oucket in 2 m	ninutes			
Pressure vs. 7	Time 679 Toppmikre	PRESSURE SUMMARY					
	run hybridian	Time (Min.)	Pressure (psia)	ressure Temp Annotation (psia) (deg F)			
1500		0	1610.43				
		1	42.23	100.40		ow (1)	
	- 95	15 76	69.36 640.20	100.74 101.75		n(1)	
		77	107.04	101.69			
		135	135.10	102.61	. ,		
		255 257	636.08 1592.21	104.25 104.48			
	•••	257	1592.21	104.40	Tinarnyuru	-static	
o 944 7294 20 Tue Aug 2013 Time (Hours)							
2							
Length (ft) Description			Choke (i		re (psia) Gas	s Rate (Mcf/d)	
126.00 Gassy Muddy Oil	Volume (bbl) 0.62					- (poid) Gas	
0.00 Gas 20% Mud 40% Oil 4							
156.00 Clean gassy Oil	0.77						
0.00 Gas 30% Oil 70%	0.00						
0.00 Corrected Gavity Oil 38							
	0.00						

Superior Testers Enterprises LLC Ref. No: 17607

Printed: 2013.08.20 @ 16:53:55

NANCY #1-17 DST #3.jpg

RER	DRILL STEM TES	TREP	ORT				
ENTERPRISES LLC	Shelby Resources LLC		17/1	7S/13W/	/Barton		
	2717 Canal Boulevard		Nan	су #1-17			
	Suite C Hays, Kansas 67601		Job Ti	icket: 176	07	DST#: 3	
	ATTN: Jeremy Schwartz		Test S	Start: 201	3.08.21 @ 0	5:07:00	
GENERAL INFORMATION:							
Formation:Lansing/Kansas CiDeviated:NoWhipstock:Time Tool Opened:06:23:00Time Test Ended:09:16:00		Test∃ Teste Unit N	er: Ke	onventional E en Sw inney 325 Great Be	3ottom Hole (1 end/32	Initial)	
Interval:3335.00 ft (KB) To34Total Depth:3452.00 ft (KB) (TrHole Diameter:7.80 inchesHole			Refer	ence ⊟ev KB to	ations: GR/CF:	1992.00 ft 1979.00 ft 13.00 ft	(CF)
the second s	End Date: End Time: Minutes/Weak blow /Blow built to 1	2013.08.21 09:16:00 /2 inch	Capacity: Last Calib. Time On Bt Time Off B	tm: 20	20 013.08.21 @ 013.08.21 @		sia
2ND Open 10	Minutes/No blow back Minutes/Dead no blow /Flush tool n	o help/Pull tes					
Pressure vs. 7 6740 Pressure	ime 6749 Temperature	Time	PRE		E SUMMA Annotation		
5750 5750		(Min.) 0 16 76 77 84 85		(deg F) 105.59 I 104.70 (105.13 S 106.19 E 106.03 (106.13 S	Initial Hydro-s Open To Flov Shut-In(1) End Shut-In(Open To Flov Shut-In(2) Final Hydro-s	static w (1) 1) w (2)	
Recovery				Gas	Rates		
Length (ft) Description 15.00 Mud 100%	Volume (bbl) 0.07			Choke (incl	hes) Pressure	(psia) Gas R	ate (Mcf/d)

Superior Testers Enterprises LLC Ref. No: 17607

Printed: 2013.08.21 @ 09:30:41

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Mark Sievers, Chairman Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner Sam Brownback, Governor

October 11, 2013

Chris Gottschalk Shelby Resources LLC 2717 Canal Blvd Suite C hays, ks 67601

Re: ACO1 API 15-009-25870-00-00 Nancy #1-17 NW/4 Sec.17-17S-13W Barton County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, Chris Gottschalk