Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1263455

Form ACO-1 November 2016 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.:
Name:	Spot Description:
Address 1:	SecTwpS. R
Address 2:	Feet from North / South Line of Section
City:	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:, (e.gxxx.xxxxx)
Name:	Datum: NAD27 NAD83 WGS84
Wellsite Geologist:	County:
Purchaser:	Lease Name: Well #:
Designate Type of Completion:	Field Name:
☐ New Well ☐ Re-Entry ☐ Workover	Producing Formation:
Oil SWD	Elevation: Ground: Kelly Bushing:
☐ Gas ☐ DH ☐ EOR	Total Vertical Depth: Plug Back Total Depth:
☐ OG ☐ GSW	Amount of Surface Pipe Set and Cemented at: Feet
	Multiple Stage Cementing Collar Used? Yes No
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
•	If Alternate II completion, cement circulated from:
Operator:	feet depth to:w/sx cmt.
Well Name: Original Total Depth:	oct depth to.
Deepening Re-perf. Conv. to EOR Conv. to SWD	Dellin Floid Management Plan
Plug Back Liner Conv. to GSW Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
Dual Completion Permit #:	
SWD Permit #:	Location of fluid disposal if hauled offsite:
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R
Recompletion Date Recompletion 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 Drill Stem Tests Received					
Geologist Report / Mud Logs Received					
UIC Distribution					
ALT I II Approved by: Date:					

Page Two

1263455

Operator Name:					Lease Na	me: _			Well #:	
SecTw	pS. F	R] East	West	County: _					
open and closed and flow rates if	, flowing and sh gas to surface to ty Log, Final Lo	ut-in pressure est, along with gs run to obtai	s, whe final c n Geo	ther shut-in pre hart(s). Attach physical Data a	essure reache extra sheet if and Final Elec	d stati more tric Lo	c level, hydrosta space is neede	tic pressures d.		val tested, time tool rature, fluid recovery, Digital electronic log
Drill Stem Tests 7			Ye	es No			og Formatio	on (Top), Dep	th and Datum	Sample
Samples Sent to	,	vey	☐ Ye	es No		Nam	е		Тор	Datum
Cores Taken Electric Log Run Geolgist Report / List All E. Logs R	/ Mud Logs		Ye	es No						
			Dana		RECORD	Ne		ion ata		
	Siz	e Hole		e Casing	Weight	-	ermediate, product	1	# Sacks	Type and Percent
Purpose of St		rilled		(In O.D.)	Lbs. / Ft		Depth	Type of Cement		Additives
				ADDITIONAL	. CEMENTING	/ SQL	JEEZE RECORD			
Purpose: Perforate Protect Ca Plug Back	Depth Type of Cement Perforate Protect Casing		# Sacks Us							
Plug Off Zo										
2. Does the volume	1. Did you perform a hydraulic fracturing treatment on this well? 2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? 3. 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, skip question 3)						,			
Date of first Production:	ction/Injection or F	Resumed Produc	tion/	Producing Meth						
injection.				Flowing	Pumping		Gas Lift (Other (Explain) _		
Estimated Produc Per 24 Hours		Oil Bbls		Gas	Mcf	Wate	er B	bls.	Gas-Oil Ratio	Gravity
DISPO	DSITION OF GAS	:		N	METHOD OF CO	OMPLE	ETION:		PRODUCTIO	
Vented	Sold Use	d on Lease		Open Hole				mmingled	Тор	Bottom
(If vente	ed, Submit ACO-18)			((Submit	ACO-5) (Sub	mit ACO-4)		
Shots Per Foot	Perforation Top	Perforation Bottom		Bridge Plug Type	Bridge Plug Set At		Acid		t, Cementing Squeeze If Kind of Material Used)	Record
TUBING RECOR	D: Size:		Set At:		Packer At:					



1263455 HYDRAULIC FRACTURING FLUID PRODUCT COMPONENT INFORMATION DISCLOSURE

Last Fracture Da	te:		County:		AP	Number:	
Operator Name: Well Name and Number:							
Latitude:			Longitude:		Dat	um:	
					Tota		
1 Toddelloff Type.			True Vertical Depth	(1 4 5).		ar Base Fidia volume (gar) .	
Hydraulic Fractu	ring Fluid Com	position:					
Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Authorized Representative's Name, Address, and Phone Number
Ingredients show	vn above are si	ubject to 29 CRF	1910.1200(i) and appear on Material Safety Data	a Sheets (MSDS). Ingredie	nts shown below are Non-MSDS.		1
* Total Water Volu	ime sources may	include fresh wat	er produced water and/or recycled water ** Inform	nation is based on the maxim	rum notential for concentration and thus	the total may be over 100%	

^{*} Total Water Volume sources may include fresh water, produced water, and/or recycled water. ** Information is based on the maximum potential for concentration and thus the total may be over 100 Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS).

Form	ACO1 - Well Completion		
Operator	Shelby Resources LLC		
Well Name	Jessie #1-8		
Doc ID	1263455		

All Electric Logs Run

Dual Induction	
Compensated Neutron	
Micro	
Sonic	

Form	ACO1 - Well Completion		
Operator	Shelby Resources LLC		
Well Name	Jessie #1-8		
Doc ID	1263455		

Tops

Name	Тор	Datum
Heebner	3456	-1437
L-KC	3568	-1549
Stark Shale	3762	1743
Base KC	3819	-1800
Penn Sand	3883	-1864
Simpson Shale	3905	-1886
Arbuckle	3936	-1917
LTD	4024	-2005

Form	ACO1 - Well Completion		
Operator	Shelby Resources LLC		
Well Name	Jessie #1-8		
Doc ID	1263455		

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	1035	60/40 Poz	2% gel / 3% cc



Shelby Resources L.L.C

8-22-16w Pawnee

621 17th St Ste 1155 Denver CO 80293

Jessie #1-8

Unit No:

Job Ticket: 62933

DST#: 1

ATTN: Jeremy Schwartz

Test Start: 2015.08.10 @ 03:30:00

GENERAL INFORMATION:

Formation: Conglomerate

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:14:30 Time Test Ended: 10:10:30

Interval: 3834.00 ft (KB) To 3894.00 ft (KB) (TVD)

Total Depth: 3894.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)
Tester: Jared Scheck

55-50rt -Great Bend

Reference Elevations: 2019.00 ft (KB)

2008.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6666 Inside

Press@RunDepth: 152.37 psig @ 3866.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2015.08.10
 End Date:
 2015.08.10
 Last Calib.:
 2015.08.10

 Start Time:
 03:31:00
 End Time:
 10:10:30
 Time On Btm:
 2015.08.10 @ 05:13:30

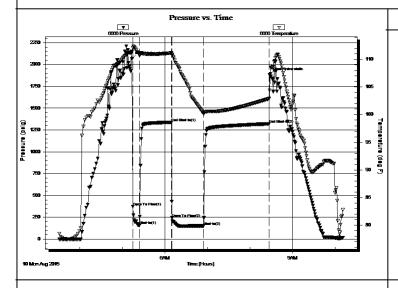
 Time Off Btm:
 2015.08.10 @ 08:27:30

TEST COMMENT: IFP-10 Minutes-Strong blow built bottom of bucket in 45 sec

ISIP-45 Minutes-No blow back

FFP-45 Minutes-Strong blow built bottom of bucket in 45 sec

FSIP-90Minutes-Very weak blow back



PRESSURE SU	MMARY
-------------	-------

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	2063.24	111.43	Initial Hydro-static
1	372.93	112.03	Open To Flow (1)
11	159.69	110.71	Shut-In(1)
56	1337.41	111.14	End Shut-In(1)
57	244.13	110.78	Open To Flow (2)
101	152.37	100.20	Shut-In(2)
193	1319.71	102.90	End Shut-In(2)
194	1882.08	104.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	mud	0.99
0.00	3700 feet gas in pipe gas sample was	al0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	23.00	584.18
Last Gas Rate	0.75	23.00	584.18
Max. Gas Rate	0.75	23.00	584.18



FLUID SUMMARY

deg API

ppm

Shelby Resources L.L.C

8-22-16w Pawnee

621 17th St Ste 1155 Denver CO 80293

Jessie #1-8

Job Ticket: 62933

DST#: 1

ATTN: Jeremy Schwartz

Test Start: 2015.08.10 @ 03:30:00

Mud and Cushion Information

Mud Type: Gel Chem Cushion Type: Oil API:

Mud Weight: 10.00 lb/gal Cushion Length: ft Water Salinity:

Viscosity: 48.00 sec/qt Cushion Volume: bbl

Water Loss: 11.98 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 7700.00 ppm Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl		
90.00	mud	0.989		
0.00	3700 feet gas in pipe gas sample was tak	0.000		

Total Length: 90.00 ft Total Volume: 0.989 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:



GAS RATES

Shelby Resources L.L.C

8-22-16w Pawnee

621 17th St Ste 1155 Denver CO 80293

Jessie #1-8

Job Ticket: 62933

DST#: 1

ATTN: Jeremy Schwartz

Test Start: 2015.08.10 @ 03:30:00

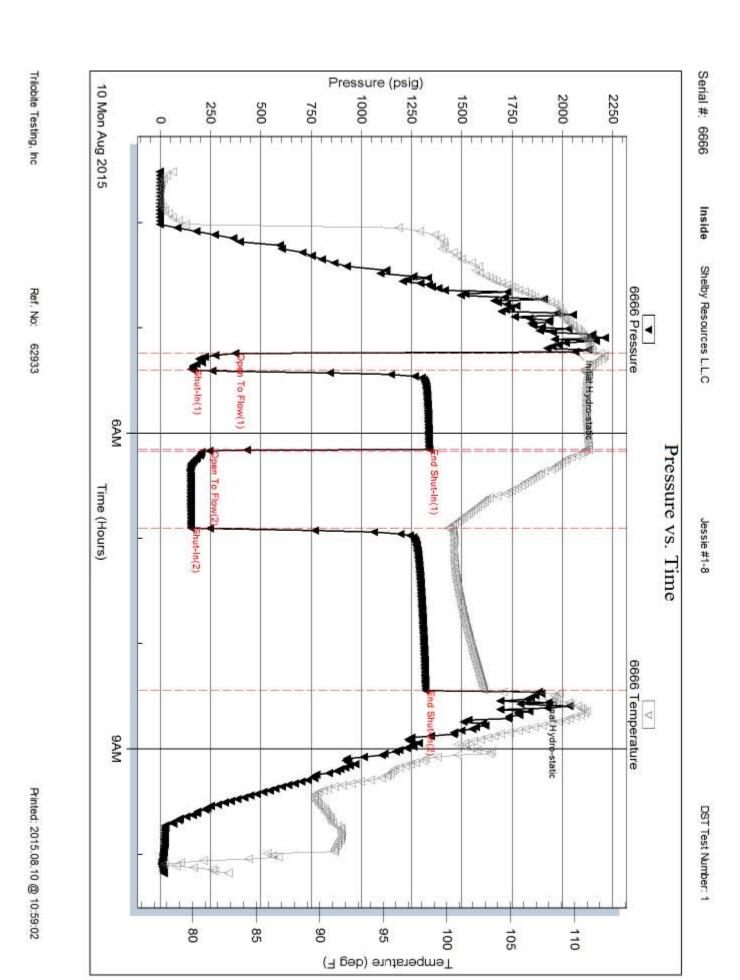
Gas Rates Information

Temperature: 59 (deg F)

Relative Density: 0.65 Z Factor: 0.8

Gas Rates Table

Flow Period	⊟apsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	10	0.75	23.00	584.18
2	10	0.75	23.00	584.18
2	20	0.75	23.00	584.18
2	30	0.75	23.00	584.18





Shelby Resources L.L.C

8-22-16w Pawnee

621 17th St Ste 1155 Denver CO 80293

Jessie #1-8

Unit No:

Job Ticket: 62934

DST#: 2

ATTN: Jeremy Schwartz

Test Start: 2015.08.10 @ 20:20:00

GENERAL INFORMATION:

Formation: Arbuckle

Deviated: No Whipstock: ft (KB) Test Type: Conven

Time Tool Opened: 22:03:30 Time Test Ended: 03:48:00

Interval: 3903.00 ft (KB) To 3945.00 ft (KB) (TVD)

Total Depth: 3945.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Outside

Test Type: Conventional Bottom Hole (Initial)
Tester: Jared Scheck

55-Great Bend-RT50

Reference Elevations: 2019.00 ft (KB)

2008.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6666

Press @RunDepth: 540.59 psig @ 3905.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2015.08.10
 End Date:
 2015.08.11
 Last Calib.:
 2015.08.11

 Start Time:
 20:21:00
 End Time:
 03:48:00
 Time On Btm:
 2015.08.10 @ 22:03:00

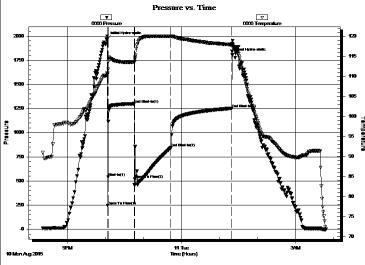
 Time Off Btm:
 2015.08.11 @ 01:20:00

TEST COMMENT: IFP-10 Minutes-Fair blow built 6 inches into bucket tool chased 4 feet

ISIP-45 Minutes-No blow back

FFP-60 Minutes-Strong blow built bottom of bucket in 5 minutes

FSIP-90 Minutes-No blow back



		PI	KESSUK	E SUMMARY
	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	1969.61	110.91	Initial Hydro-static
	1	246.10	110.46	Open To Flow (1)
	1	540.59	111.73	Shut-In(1)
	42	1298.96	113.59	End Shut-In(1)
Ten	43	521.23	114.18	Open To Flow (2)
Temperature	100	844.36	119.99	End Shut-In(2)
-	196	1252.05	117.89	End Shut-In(3)
	197	1803.61	117.94	Final Hydro-static

DDESCLIDE CLIMMADV

Recovery

Length (ft)	Description	Volume (bbl)
1620.00	w ater	20.81
0.00	chlorides 30,000 resistivity.15@70degr	es0.00

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



FLUID SUMMARY

Shelby Resources L.L.C

8-22-16w Pawnee

621 17th St Ste 1155 Denver CO 80293

Jessie #1-8

Job Ticket: 62934

Serial #:

DST#: 2

ATTN: Jeremy Schwartz

Test Start: 2015.08.10 @ 20:20:00

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil A Pl:deg A PlMud Weight:10.00 lb/galCushion Length:ftWater Salinity:ppm

Viscosity: 49.00 sec/qt Cushion Volume: bbl

Water Loss: 11.99 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 7500.00 ppm Filter Cake: 1.00 inches

Recovery Information

Recovery Table

ft 1620.00 water	Description	Volume bbl		
1620.00	w ater	20.811		
0.00	chlorides 30,000 resistivity.15@70degres	0.000		

Total Length: 1620.00 ft Total Volume: 20.811 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc

Ref. No: 62934

Printed: 2015.08.11 @ 06:16:54



Scale 1:240 Imperial

Well Name: Jessie #1-8

Surface Location: 330' FSL 1318' FWL Sec. 8-T22S-R16W

Bottom Location:

API: 15-145-21806-00-00

License Number:

Spud Date: 8/4/2015 Time: 9:00 PM

Region: Pawnee

Drilling Completed: 8/11/2015 Time: 10:41 AM

Surface Coordinates:

Bottom Hole Coordinates:

Ground Elevation: 2008.00ft K.B. Elevation: 2019.00ft

Logged Interval: 3150.00ft To: 4025.00ft

Total Depth: 4025.00ft Formation: Penn Sand

Drilling Fluid Type: Chemical/Fresh Water Gel

OPERATOR

Company: Shelby Resources, LLC Address: 621 17th St, Ste 1150

Denver, CO 80293

Contact Geologist: Janine Sturdavant

Contact Phone Nbr: 303-907-2209 / 720-274-4682

Well Name: Jessie #1-8

Location: 330' FSL 1318' FWL Sec. 8-T22S-R16W

API: 15-145-21806-00-00

Pool: Field: Wildcat

State: Kansas Country: USA

LOGGED BY



Company: Shelby Resources, LLC Address: 621 17TH ST, STE 1155

DENVER, CO. 80293

Phone Nbr: 203-671-6034

Logged By: Geologist Name: Jeremy Schwartz

NOTES

The Shelby Resources, LLC Jessie #1-8 was drilled to a total depth of 4025', bottoming in the Arbuckle. A TookeDaq gas detector was employed in the drilling of said well.

2 DST's were conducted throughout the Penn Conglomerate and Arbuckle Zones. The DST Reports can be found at the bottom of this log.

Due to DST Results, sample shows, gas kicks, and log analysis it was determined by all parties involved to plug and abandon the well. 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

CONTRACTOR

Contractor: Sterling Drilling Co

Rig #: 4

Spud Date: 8/4/2015 TD Date: 8/11/2015

Rig Release:

Time: 9:00 PM Time: 10:41 AM

Time:

ELEVATIONS

K.B. Elevation: 2019.00ft Ground Elevation: 2008.00ft

K.B. to Ground: 11.00ft

DATE	DEPTH	ACTIVITY ACTIVITY
Sunday, August 09, 2015	34001	Geologist Jeremy Schwartz on location @ 0143hrs, ~3400¹, Drlg ahead through
		Heebner, Toronto, Douglas Shale, Brown Lime, Lansing, Stark Shale, BKC, Marmaton,
	38281	CFS @ 3828', Drop Survey, Strap Out, Conduct Bit Trip, Successful Bit Trip, Resume Drlg
Monday, August 10, 2015	3894'	CFS @ 3894', Conduct DST #1 in the Penn Conglomerate, Successful Test, Resume
		Drlg ahead, CFS @ 3945', Conduct DST #2 in the Arbuckle
Tuesday, August 11, 2015	3495'	Successful Test, Resume Drig ahead to TD, TD of 4025' Reached @ 1041hrs,
	40251	CTCH 1.5hrs, Drop Survey, OOH, Conduct Logging Operations, Logging Operations
	4025'	Complete @ 1830hrs, Geologist Jeremy Schwartz off Location @ 1915hrs

CLIENT:		SHELBY RES	OURCES, LL	С																		
WELL NAME:	ĺ.	JESSII	E#1-8																			
LEGAL:	E/2	2-SE-SW-SW	/ 8-T22S-R1	6W	l																	
COUNTY:		PAWNEE C	OUNTY, KS																			
API:		15-145-21	806-00-00]																	
DRLG CONTRACTOR:		STERLING D	RILLING CO),																		
RIG#:		4	4																			
DOGHOUSE #:		620-38	8-4192																			
TOOLPUSHER:	*	LANNY	SALOGA		1																	
CELL #:	i i	620-38	8-4193																			
						G	AS						•						•			
						SHELBY RES	SOUR	ŒS, LL	С			SHELBY RES	OUR	ES, LL	c			SHELBY RES	OURC	ES, LLC		
12						EAK	IN 5-7					EAK	IN 4-7	8				BUST	ER #1-	3		
T	¢.	JESSI	E #1-8			SE-NW-SE-S	E 7-2	2S-16V	V	- 49		NW-NE-SE-N	IE 7-2	28-16	W		N	E-NE-NW-S	W 3-2	25-161	N	
	KB		20 19		KB	_	20	121			KB		20	016			KB	1.5	1	999		
	LOG	TOPS	SAMP	LE TOPS	COMP	. CARD	LO	OG	SM	PL.	COMP	. CARD	L	OG	SIV	IPL.	COM P.	CARD	L	OG	SIV	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	1033	986	1026	993	1030	991	*	5	+	2	1001	1015	·	29	99	22	995	1004	-	18	1	11
BASE	1046	973	1051	968	1053	968	+	5	+	0	10 23	993	-	20	34	25	1016	983	-	10	-	15
ТОРЕКА	3187	-1168	3186	-1167	3190	-1169	+	1	+	2	3160	-1144	9	24	*	23	3137	-1138	-	30	*	29
HEEBNERSHALE	3456	-1437	3454	-1435	3459	-1438	+	1	+	3	3432	-1416	16	21	9	19	3403	-1404	12	33	10	31
TORONTO	3475	-1456	3479	-1460	3478	-1457	+	1	92	3	3456	-1440	*	16	90	20	3424	-1425		31	16	35
DOUGLAS SHALE	3493	-1474	3492	-1473	3495	-1474	+	0	+	1	3471	-1455		19	9	18	3437	-1438	-	36	*	35
BROWN LIME	3560	-1541	3560	-1541	3561	-1540	*	1	*	1	3537	-1521	*	20	*	20	3510	-1511	+	30	1:	30
ткс	3568	-1549	3568	-1549	3570	-1549	+	0	+	0	3546	-1530	4	19	(6	19	3518	-1519	-	30	1.	30
LKC"G" POROSITY	3656	-1637	3656	-1637	3659	-1638	+	1	+	1	3634	-1618	4	19	0	19	3607	-1608	10	29	1	29
STARK S HALE	3762	-1743	3758	-1739	3766	-1745	+	2	+	6	3743	-1727	1	16	16	12	3711	-1712	14.	31	1	27
ВКС	3819	-1800	3818	-1799	3825	-1804	+	4	+	5	3801	-1785	+	15	4	14	3763	-1764	1	36		35
MARMATON	3829	-1810	3826	-1807	3834	-1813	+	3	+	6	3813	-1797	-	13	30	10	3782	-1783	4	27	-	24
PENN SAND or CHERT	3883	-1864	3884	-1865	3887	-1866	+	2	+	1	38 62	-1846	*	18	. 6%	19	38 29	-1830	- 3	34	-	35
SIMPSONSHALE	3905	-1886	3897	-18 78	3919	- 1898	+	12	+	20	38 74	-1858	9	28	*	20	38 39	-1840		46	1/0	38
SIMPSONSAND																						
ARBUCKLE	3936	-1917	3936	-1917	3984	-1963	+	46	+	46	3891	-1875	57	42	*	42	38 79	-1880	-	37	6	37
RTD			4025	-2006	4050	- 2029			+	23	40 25	-2009			+	3	39 70	-1971				35
	4024	-2005			4050	- 2029	100	24			40 26	-2010		5			39 66	-1967		38		



ACCESSORIES

TEXTURE C Chalky

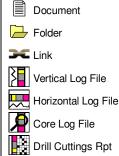
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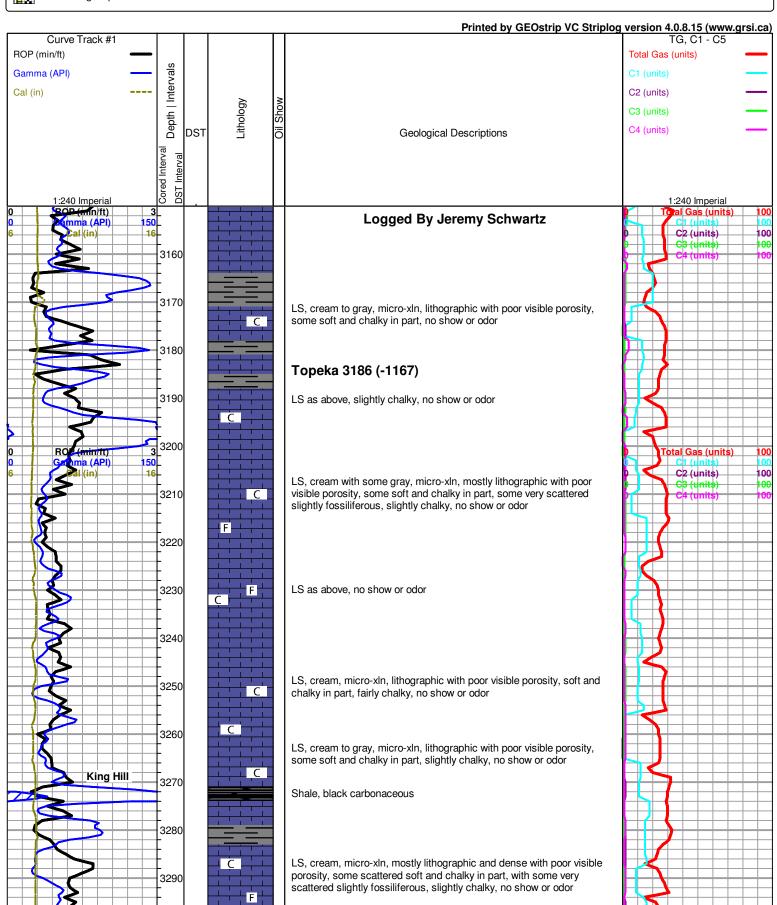


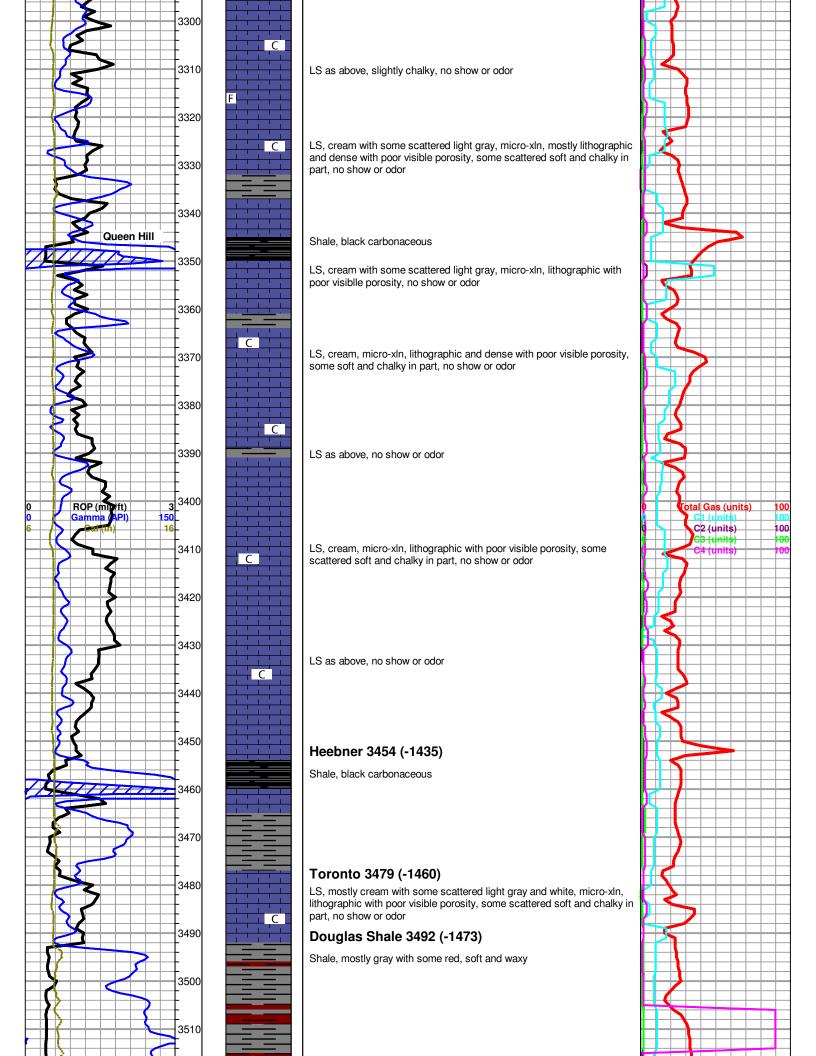


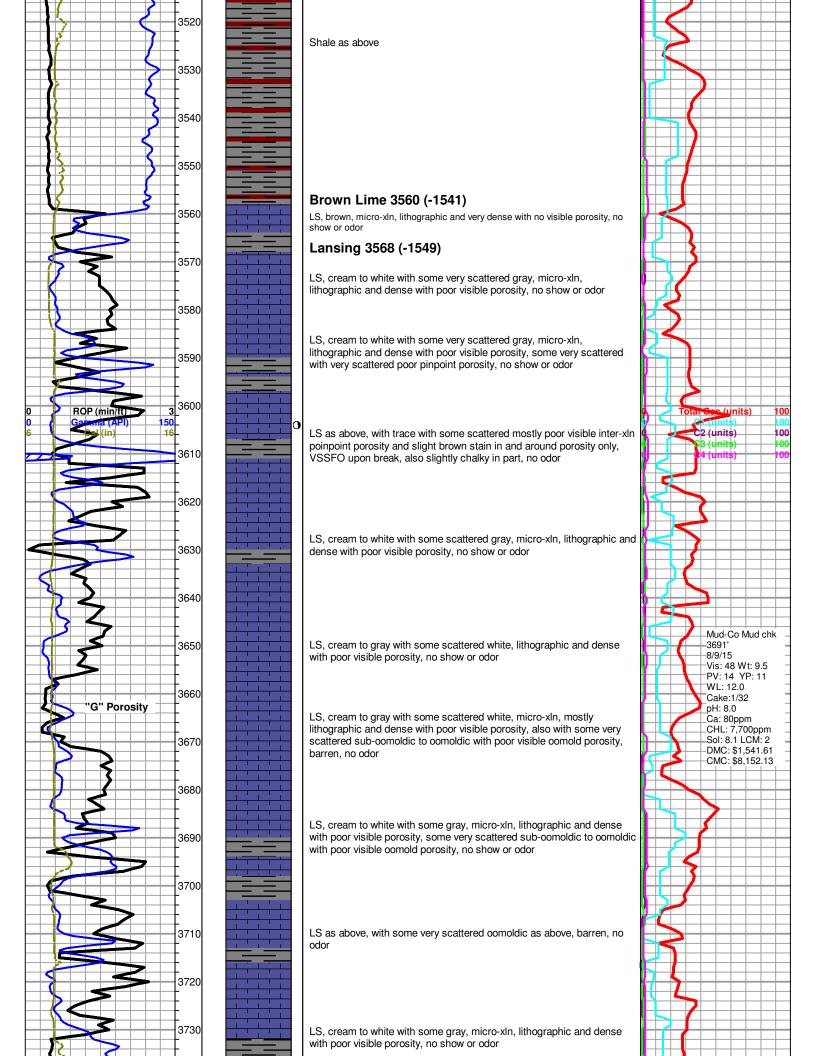
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DST Int
DST alt

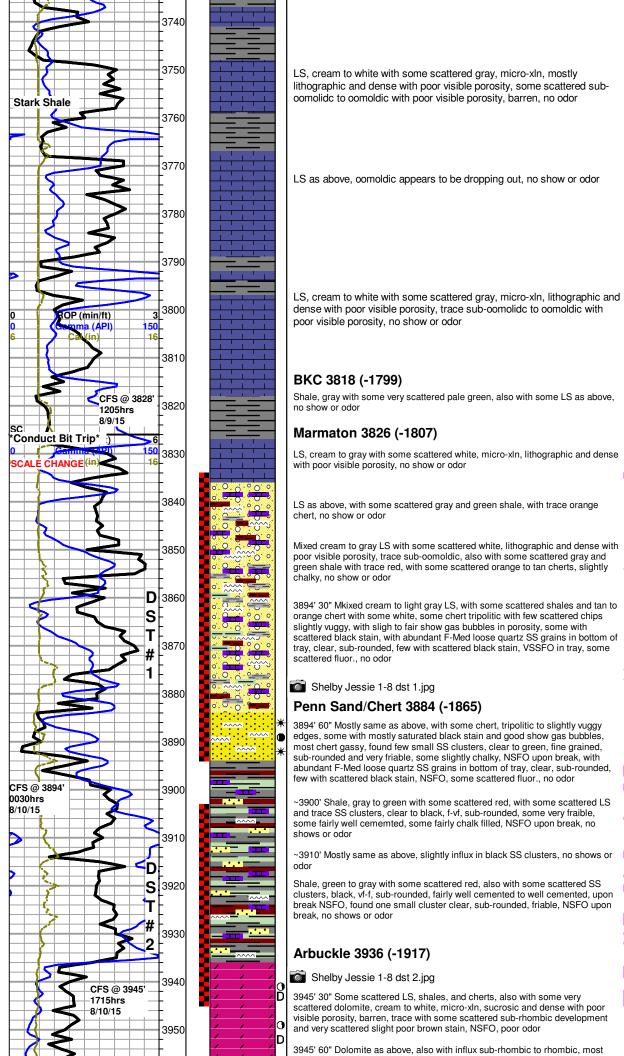
green shale red shale



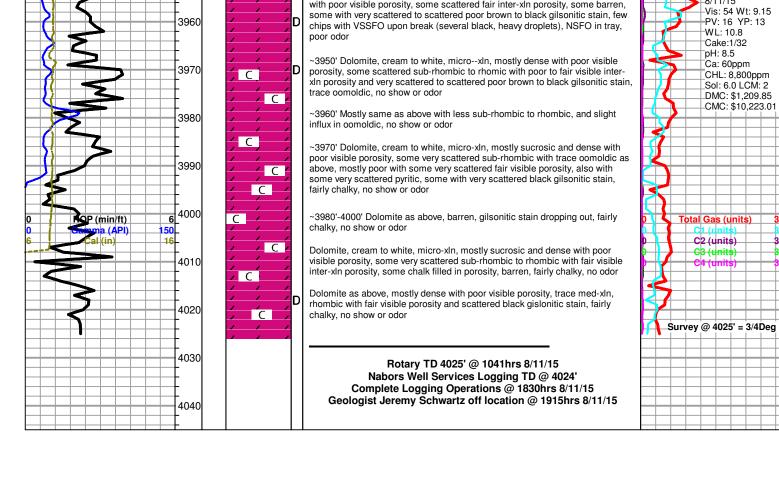








Total Gas (units) C2 (units) 100 C3 (units) 100 Strap @ 3828' = 1.03STB Survey = 1/2Deg Mud-Co Mud chk 3894 8/10/15 Vis: 49 Wt: 9.6 PV: 14 YP: 13 WL: 12.0 Cake:1/32 pH: 7.5 Ca: 60ppm CHL: 7,500ppm Sol: 8.8 LCM: 2 DMC: \$861.03 CMC: \$9,013.16 SCALE CHANGE units) 325 Unit Gas Kick Mud-Co Mud chk 3977





Shelby Resources L.L.C

8-22-16w Pawnee

621 17th St Ste 1155 Denver CO 80293

Jessie #1-8

Tester:

Job Ticket: 62933

Reference Bevations:

DST#: 1

ATTN: Jeremy Schwartz

Test Start: 2015.08.10 @ 03:30:00

GENERAL INFORMATION:

Formation: Conglomerate

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 05:14:30 Time Test Ended: 10:10:30

Interval:

Total Depth:

Unit No: 55-50rt -Great Bend

Jared Scheck

3834.00 ft (KB) To 3894.00 ft (KB) (TVD)

2019.00 ft (KB) 2008.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

3894.00 ft (KB) (TVD)

KB to GR/CF: 11.00 ft

Serial #: 6666 Inside

Press@RunDepth: 152.37 psig @ 3866.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2015.08.10
 End Date:
 2015.08.10
 Last Calib.:
 2015.08.10

 Start Time:
 03:31:00
 End Time:
 10:10:30
 Time On Btm:
 2015.08.10 @ 05:13:30

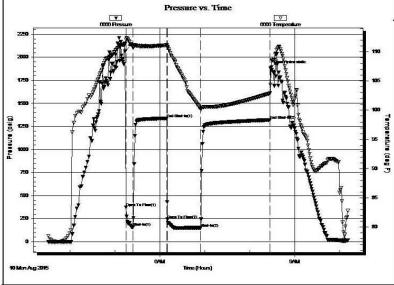
 Time Off Btm:
 2015.08.10 @ 08:27:30

TEST COMMENT: IFP-10 Minutes-Strong blow built bottom of bucket in 45 sec

ISIP-45 Minutes-No blow back

FFP-45 Minutes-Strong blow built bottom of bucket in 45 sec

FSIP-90Minutes-Very weak blow back



Time	Pressure	Temp	Annotation
(Mn.)	(psig)	(deg F)	
0	2063.24	111.43	Initial Hydro-static
1	372.93	112.03	Open To Flow (1)
11	159.69	110.71	Shut-In(1)
56	1337.41	111.14	End Shut-In(1)
57	244.13	110.78	Open To Flow (2)
101	152.37	100.20	Shut-In(2)
193	1319.71	102.90	End Shut-In(2)
194	1882.08	104.42	Final Hydro-static
			W 100 00 00 00 00 00 00 00 00 00 00 00 00

Recovery

Length (ft)	Description	Volume (bbl)
90.00	mud	0.99
0.00	3700 feet gas in pipe gas sample was	al0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	23.00	584.18
Last Gas Rate	0.75	23.00	584.18
Max. Gas Rate	0.75	23.00	584.18

Shelby Jessie 1-8 dst 2.jpg



DRILL STEM TEST REPORT

Shelby Resources L.L.C 8-22-16w Pawnee

Jessie #1-8 621 17th St Ste 1155 Denver CO 80293

Job Ticket: 62934 DST#: 2

Test Start: 2015.08.10 @ 20:20:00 ATTN: Jeremy Schwartz

GENERAL INFORMATION:

Arbuckle Formation:

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 22:03:30 Tester: Jared Scheck Time Test Ended: 03:48:00 Unit No: 55-Great Bend-RT50

3903.00 ft (KB) To 3945.00 ft (KB) (TVD) Interval: Reference Elevations:

2019.00 ft (KB) Total Depth: 3945.00 ft (KB) (TVD) 2008.00 ft (CF)

Hole Diameter: 7.88 inchesHole Condition: Fair KB to GR/CF: 11.00 ft

Serial #: 6666 Outside

Press@RunDepth: 540.59 psig @ 3905.00 ft (KB) Capacity: 8000.00 psig

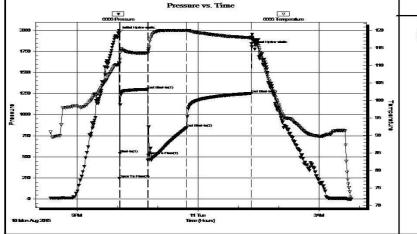
Start Date: 2015.08.10 End Date: 2015.08.11 Last Calib.: 2015.08.11 Start Time: 20:21:00 End Time: 03:48:00 Time On Btm: 2015.08.10 @ 22:03:00 Time Off Btm: 2015.08.11 @ 01:20:00

TEST COMMENT: IFP-10 Minutes-Fair blow built 6 inches into bucket tool chased 4 feet

ISIP-45 Minutes-No blow back

FFP-60 Minutes-Strong blow built bottom of bucket in 5 minutes

FSIP-90 Minutes-No blow back



	PRESSURE SUMMARY					
Temperature	Time (Min.) 0 1 1 42 43 100 196 197	Pressure (psig) 1969.61 246.10 540.59 1298.96 521.23 844.36 1252.05 1803.61	RESSUR Temp (deg F) 110.91 110.46 111.73 113.59 114.18 119.99 117.89 117.94	Annotation Initial Hydro-static Open To Flow (1) Shut-In(1) End Shut-In(1) Open To Flow (2) End Shut-In(2) End Shut-In(3) Final Hydro-static		

Recovery

Length (ft)	Description	Volume (bbl)
1620.00	w ater	20.81
0.00	chlorides 30,000 resistivity.15@70degr	es0.00

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

Trilobite Testing, Inc Printed: 2015.08.11 @ 06:16:54 Ref. No: 62934

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

Phone 785-483-2025 Home Office P.O. E Cell 785-324-1041	30x 32 Russell, KS 67665 No. 1001
Date 8 - 6 - 15 Sec. Twp. Range Pau	County State On Location 12.45A
loca	tion Larned, Ks - Sto River las Sto River P
Lease Je 551e Well No. 1-8	Owner 1.8 Sw. ElInto
Contractor Sterling #4	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish
Type Job Surface	cementer and helper to assist owner or contractor to do work as listed. Charge
Hole Size 124" T.D. 1040'	To Shelby Kessices
Csg. 85/8 Depth 1035	Street
Tbg. Size Depth	City State
Tool Depth	The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg. Shoe Joint 8,50	Cement Amount Ordered 450 60/40 3% CC 2% Gul /24 Flo
Meas Line Displace 63 14 BLS	Seal
EQUIPMENT	Common 120
Pumptrk 20 No. Cementer Profile Helper	Poz. Mix 180
Bulktrk 19 No. Driver Driver	Gel. 9
Bulketik D. U.No. Driver Rick	Calcium / 9
JOB SERVICES & REMARKS	Hulls
Remarks: Comen# did Circulate	Salt
Rat Hole	Flowseal 225 #
Mouse Hole	Kol-Seal
Centralizers	Mud CLR 48
Baskets	CFL-117 or CD110 CAF 38
D/V or Port Collar	Sand
	Handling 477
	Mileage
to the second second	FLOAT EQUIPMENT
12 (Guide Shoe Slip pp
	Centralizer Boffle plate
hall	Baskets Rubber Pluss
	AFU Inserts No.
	Latch Down
	Pumptrk Charge Long Surface
	Mileage 2 ?
	Tax
	Discount
x 0 //	Total Charge
Signature Anny Alaly	iotal Onargo

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

Phone 785-483-2025 Cell 785-324-1041

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

No. 1022

		vp. Range		County	State	On Location		inish 45 PIV
Date 8-12 - 15	8 2	2 1 16	Pa	whee	K5	0.1		45 PIN
				ion Lamed	5 to	River Rd	2 5W	
Lease Jessie		Well No.	-8	Owner	vall Comenting	Inc		
Contractor Sterling				You are hereb	vell Cementing, y requested to r	ent cementing equip	ment and fu	rnish
Type Job Plug					helper to assist	owner or contractor	to do work a	as listed.
Hole Size 7 7/8	T.D	. to one combine	U 20038	Charge 5 h	elby R	esources		
Csg. Drill Pipe	De	oth 3932"		Street		10K3 BHT R) THEFT I		
Tbg. Size	De	oth		City	I n brist oak	State		No. 5
Tool	Dej	oth		The above was	done to satisfaction	on and supervision of c	wner agent or	r contractor.
Cement Left in Csg.	Sho	oe Joint		Cement Amou	int Ordered 2.	20 /40 4	16 bel	74 (-10
Meas Line	Dis	place		A				
- President and the E	QUIPMENT		ily many	Common 13	2		2 2 20	
Pumptrk / No. Cement Helper	er Vict			Poz. Mix	18	fired pate by CUST	of bullnama.	
Bulktrk 5 No. Driver Driver	Doug			Gel.	3		ADT ASS	
Bulktrk PU No. Driver Driver	Brett			Calcium	losqs recineda	HARGES UNIDES	O R APICA	30 -
	VICES & RI	EMARKS	History calcies	Hulls			link a sod ap	no, kaomini
Remarks:	AUgh 13 au	हें कर्य हर्ड महत्त्वह	MILLAUD	Salt		alle assa a kominu s	ATE OF SILE	7 9
Rat Hole ~ 30 sx				Flowseal 5	5#		its suame	
Mouse Hole - 20 sx				Kol-Seal				
Centralizers				Mud CLR 48	erry in	glissematro, virgo	of or series.	1 1 1
Baskets	ters men			CFL-117 or CD110 CAF 38				
D/V or Port Collar				Sand		F I pittur moll-	son le	\$
				Handling 2	18			•
1st Plan @ 3	936	w / 50 sx		Mileage				
1)) 139					FLOAT EQU	IPMENT	··········	
Ind Plus @ 1	060	1/50 sx		Guide Shoe				
210 1109	00	WI COM		Centralizer				
3rd Plue @ 1	100 n	1/ 50 sx	a deal	Baskets	i i i i i i i i i i i i i i i i i i i	la di sua ang Siria.		E Rate U
J:U - 19 &		*	1 100	AFU Inserts			1100	
4.6 PL @	60.	/ 20 sx		Float Shoe				
TEN TUY SO	WU WI	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		Latch Down				
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						1.1	ro to peats	-4
				Pumptrk Char	ae Alve			4
				Mileage 24	P			
				Willeage 7	V		Tax	
				72 VAN 49		Disc	count	
X Signature						Total Ch		XII II
Signature			1			,0.0.011	J-	