

Scale 1:240 Imperial

Elsie Unit #1-3 Well Name:

Surface Location: 2326' FSL _168' FEL Sec. 3-22S-16W

Bottom Location:

API: 15-145-21812-00-00

License Number:

Spud Date: 11/7/2015 Time: 7:15 AM

Region: Pawnee County

Drilling Completed: 11/12/2015 Time: 12:00 AM

Surface Coordinates:

Bottom Hole Coordinates:

Ground Elevation: 1989.00ft K.B. Elevation: 2000.00ft

Logged Interval: 3200.00ft To: 4115.00ft

Total Depth: 4115.00ft

Formation: Simp/Cong Sand

Drilling Fluid Type: Chemical/Fresh Water Gel

OPERATOR

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

DENVER, CO. 80293

Contact Geologist: Janine Sturdavant

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

> Well Name: Elsie Unit #1-3

2326' FSL _168' FEL Sec. 3-22S-16W Location:

API: 15-145-21812-00-00

Pool: Wildcat Field:

State: USA Kansas Country:

LOGGED BY



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

DENVER, CO. 80293

Phone Nbr: 203-671-6034

Logged By: Geologist Jeremy Schwartz Name:

NOTES

The Shelby Resources, LLC Elsie Unit #1-3 was drilled to a total depth of 4115', bottoming in the Arbuckle. A TookeDag gas detector was employed in the drilling of said well.

1 DST was conducted. The report can be found at the bottom of this log.

Due to the DST results, gas kicks, sample shows, and log analysis, it was determined by all consenting parties 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

Sterling Drilling Co Contractor:

Rig #:

Rig Type: mud rotary

Spud Date: 11/7/2015 7:15 AIVI TD Date: 11/12/2015 12:00 AM Time: Time:

Rig Release:

ELEVATIONS

K.B. Elevation: 2000.00ft Ground Elevation: 1989.00ft

K.B. to Ground: 11.00ft

<u>DATE</u>	DEPTH	<u>ACTIVITY</u>						
Tuesday, November 10, 2015	3500'	Geologist Jeremy Schwartz on location @ 0245hrs, Drlg Ahead through Douglas Shale,						
		Brown Lime, Lansing, Stark Shale, BKC, Marmaton, CFS @ 3810', CTCH 1hour, Drop						
	3810'	Survey, Strap out, Conduct Bit Trip, Swap PDC for Button Bit, Successful Bit Trip,						
		Resume Drig ahead through Marmaton, Penn Conglomerate, Penn sand, CFS @ 3881',						
	3881'	Conduct DST #1 in the Penn Conglomerate,						
Wednesday, November 11, 2015	3881'	Successful Test, Resume Drlg, CFS @ 3896', Resume Drlg, CFS @ 3956', Resume Drlg						
	3956	CFS @ 4016, Drill ahead to TD of 4115' due to lack of shows and/or gas kick in Arbuckle						
Thursday, November 12, 2015	4115'	TD of 4115' reached @ 0000hrs, CTCH 1hour, OOH to conduct logging operations,						
		Logging Operations complete @ 0900hrs						
		Geologist Jeremy Schwartz off location @ 0930hrs						

CLIENT:	SHELBY RESOURCES, LLC
WELL NAME:	ELSIE UNIT #1-3
LEGAL:	NE NE SE 3-22S-16W
COUNTY:	PAWNEE COUNTY, KS
API:	15-142-21812-00-00
DRLG CONTRACTOR:	STERLING DRILLING CO.
RIG#:	4
DOGHOUSE #:	620-388-4192
TOOLPUSHER:	LANNY SALOGA
CELL #:	620-388-4193

CELL #:		620-38	8-4193																			-	
					•						D&A SHELBY RESOURCES, LLC						D&A SHELBY RESOURCES, LLC						
				SHELBY RESOURCES, LLC																			
				ARKANSAS RIVER UNIT #1-3					BUSTER #2-3						WFYOG#1-2								
	ELSIE UNIT#1-3 KB 2000			C S/2 S/2 NE/4 3-225-16W					SE SE SW 3-22S-16W					NE SW NW NE 2-22S-16W									
				KB 1999				KB 2005					KB 2016										
	LOG TOPS SAMPLE TOPS			COMP. CARD LOG			1PL.		. CARD	7.5.5		SMPL.		COMP.	7,000,000,000	TO THE REST.			SMPL.				
FORMATION	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	The second secon		CO	RR.	DEPTH	DATUM	CORR.		CORR.		DEPTH DATUM		CORR.		co	CORR.	
ANHYDRITE TOP	1000	1000	1004	996	1000	999	+	1	-	3	1002	1003	-	3	-	7	994	10 22	+:	22	-	26	
BASE	1018	982	1023	977	1024	975	+	7	+	2	10 29	976	+	6	+	1	10 20	996	+:	14	-	19	
ТОРЕКА	3164	-1164	3167	-1167	3161	-1162	-	2		5	3171	-1166	+	2	-	1	3147	-1131	1.01	33	-	36	
HEEBNER SHALE	3434	-1434	3435	-1435	3430	-1431	-	3		4	3443	-1438	+	4	+	3	3413	-1397	*	37	-	38	
TORONTO	3450	-1450	3451	-1451	3446	-1447	-	3	2.1	4	3460	-1455	+	5	+	4	3429	-1413	+:	37	120	38	
DOUGLAS SHALE	3470	-1470	3466	-1466	3463	-1464		6	186	2	3477	-1472	+	2	+	6	3448	-1432	-	38	-	34	
BROWN LIME	3541	-1541	3542	-1542	3540	-1541	+	0	2.1	1	3548	-1543	+	2	+	1	3521	-1505	+	36	-	37	
LKC	3551	-1551	3554	-1554	3549	-1550	*	1	-	4	3556	-1551	+	0		3	3528	-1512		39	-	42	
STARKSHALE	3740	-1740	3740	-1740	3735	-1736	*	4	5	4	3751	-1746	+	6	+	6	3720	-1704	+:	36	-	36	
BKC	3793	-1793	3790	-1790	3787	-1788	*	5	*	2	3800	-1795	+	2	+	5	3768	-1752		41	100	38	
MARMATON	3810	-1810	3808	-1808	3810	-1811	+	1	+	3	38 23	-1818	+	8	+	10	3788	-1772	(0)	38	-	36	
PENN CONGL	3828	-1828	3830	-18 30	3824	-1825	-	3		5	38 38	-1833	+	5	+	3	3804	-1788	-	40	-	42	
PENN SAND			3862	-1862	3857	-1858			*	4	38 70	-1865			+	3	38 32	-1816			-	46	
SIMPSON SHALE	3934	-1934	3934	-19 34	3917	-1918	1	16	93	16	3942	-1937	+	3	+	3	38 76	-1860	7.	74	-	74	
SIMPSONSAND	3952	-1952	3950	-1950	3934	-1935	*	17	-	15	3951	-1946		6	*	4	3888	-1872		80	+	78	
ARBUCKLE	4011	-2011	4011	-2011	3991	-1992	1	19	- 2	19	4013	-2008		3	100	3	39 57	-1941		70	-	70	
RTD			4115	-2115	4100	-2101			3	14	4110	-2105			4	10	40 50	-2034			-	81	
LTD	4116	-2116			4101	-2102	2	14			4110	-2105	-	11			40 50	-2034	+:	82			



Dolprim



Lmst fw<7 shale, grn



shale, gry Carbon Sh

ROCK TYPES

Ss

shale, red

ACCESSORIES

MINERAL

- △ Chert White
- ▲ Chert, dark
- Varicolored chert

FOSSIL

- Bioclastic or Fragmental
- F Fossils < 20%

STRINGER

^^~ Chert Limestone

· · · · Sandstone ---- Siltstone green shale

TEXTURE

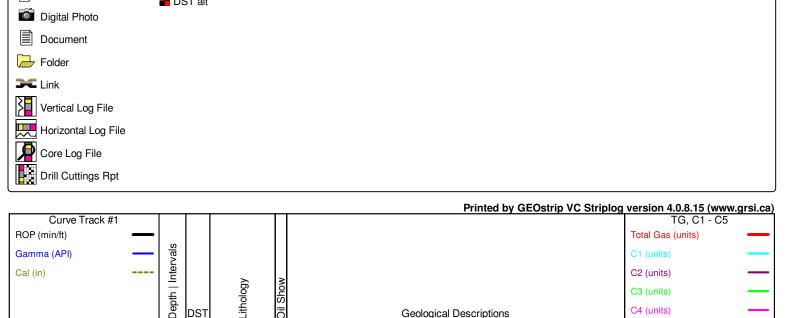
C Chalky

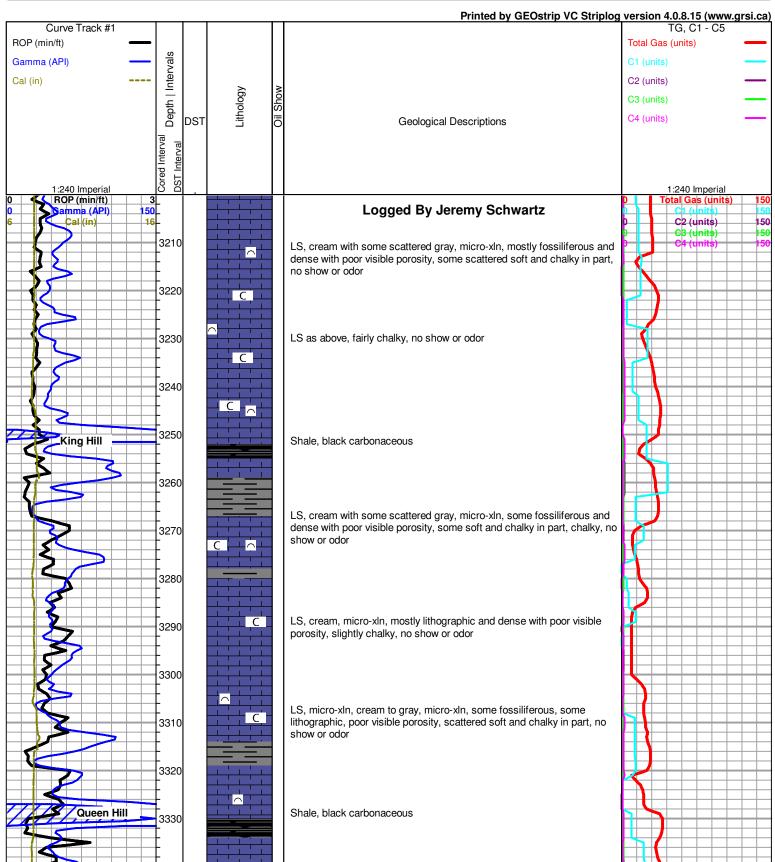
OTHER SYMBOLS

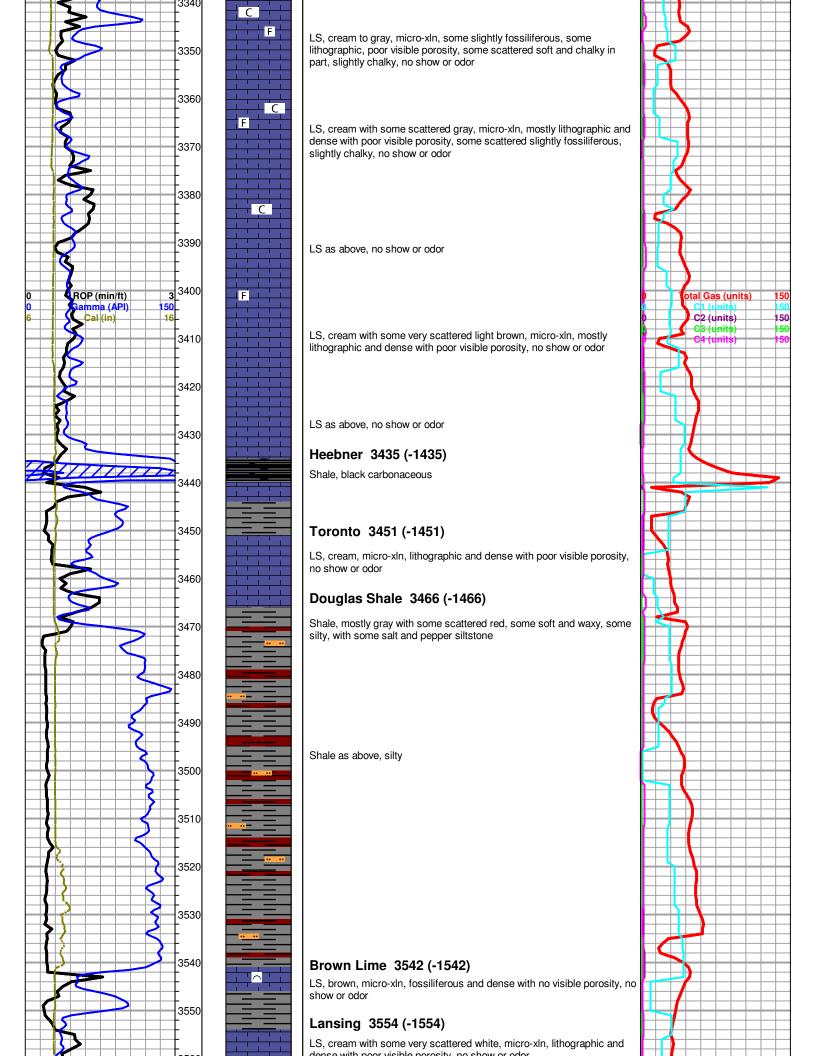


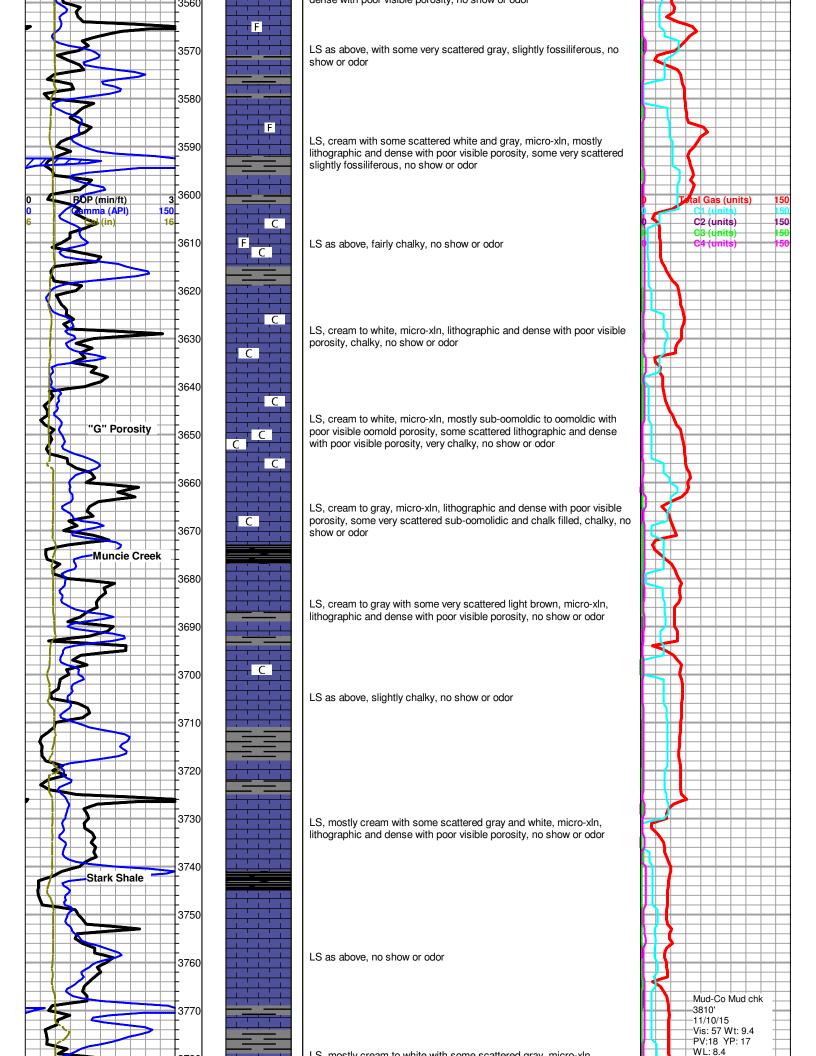
DR Daily Report

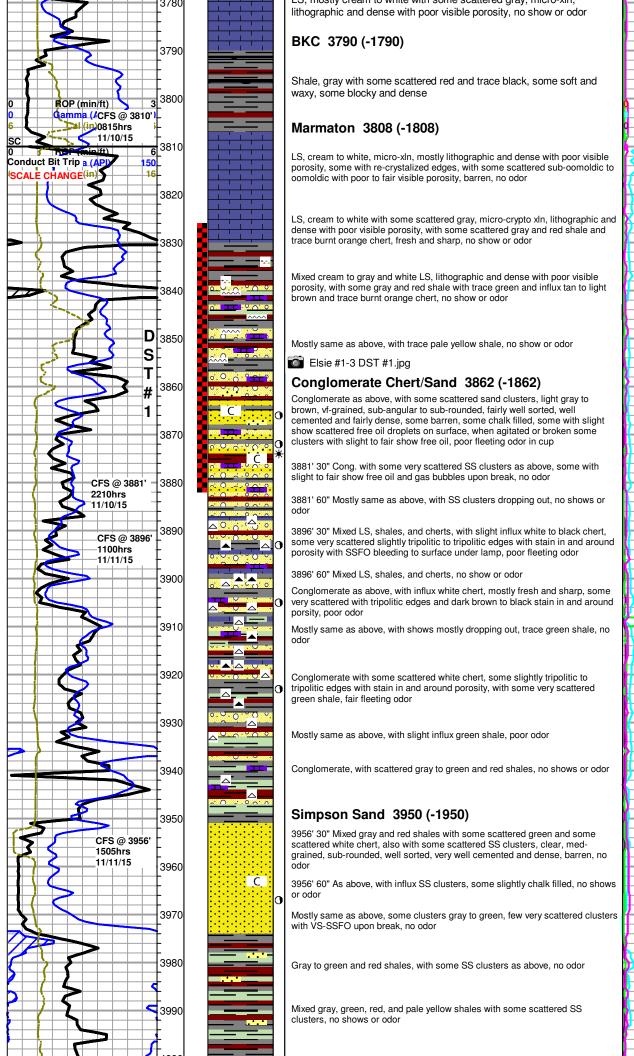
DST ■ DST Int





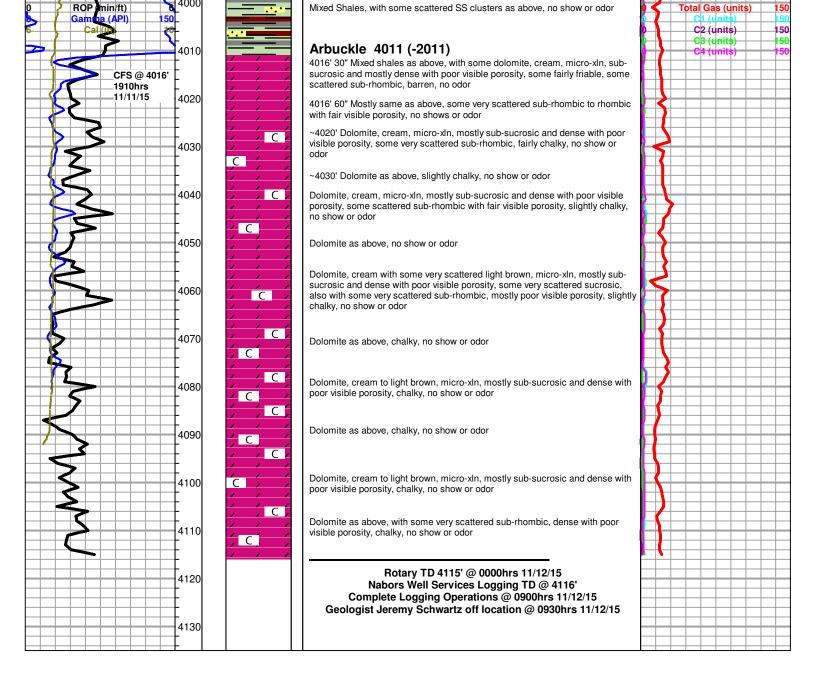






pH: 9.5 Ca: 60ppm CHL:4,800ppm Sol: 7.5 LCM: 1 -DMC: \$1,933.06 CMC: \$7,919.99 Total Gas (units) C2 (units) C3 (units) 150 Mud-Co Mud chk 3881' 11/15/15 Vis: 61 Wt: 9.5 PV: 22 YP: 20 WL: 8.4 Cake: 2/32 pH: 9.0 Ca: 80ppm CHL:5,500ppm Sol: 8.1 LCM: 1 DMC: \$956.86 CMC: \$8,876.85

Cake: 2/32



Elsie #1-3 DST #1.jpg



DRILL STEM TEST REPORT

SHELBY RESOURCES LLC

3-22S-16W PAWNEE

621 17th STREET SUITE 1155 DENVER, COLORODO 80293 ELSIE UNIT 1-3

Job Ticket: 01250

DST#:1

ATTN: JERMEU SCHWARTZ

Test Start: 2015.11.11 @ 01:25:00

GENERAL INFORMATION:

Formation: CONGLOMERATE

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

Time Tool Opened: 03:17:00 Tester: GENE BUDIG

Time Test Ended: 06:25:00 Unit No:

Interval: 3826.00 ft (KB) To 3881.00 ft (KB) (TVD) Reference Elevations: 2000.00 ft (KB)

3881.00 ft (KB) (TVD) 1989.00 ft (CF)

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

Serial #: 9119 Inside

Total Depth:

Press@RunDepth: 95.19 psia @ 3875.78 ft (KB) Capacity: 5000.00 psia

 Start Date:
 2015.11.11
 End Date:
 2015.11.11
 Last Calib.:
 2015.11.11

 Start Time:
 01:25:00
 End Time:
 06:24:30
 Time On Btm:
 2015.11.11 @ 03:13:30

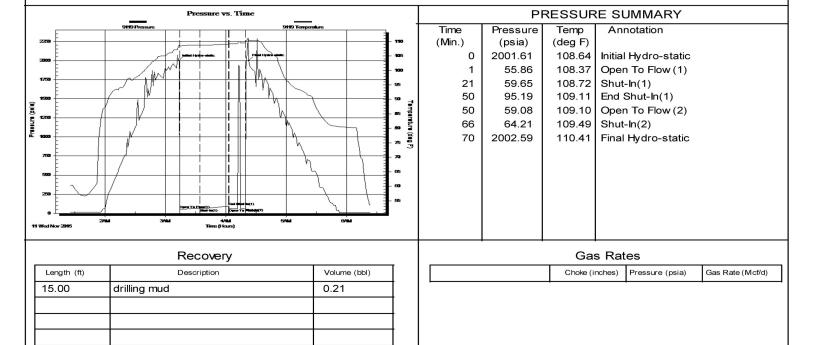
Time Off Btm: 2015.11.11 @ 04:23:00

TEST COMMENT: 1ST OPENING 15 MINUTES-WEAK SURFACE BLOW FOR 6 MINUTES AND DIED

1ST SHUT-IN 30 MINUTES-NO BLOW BACK

2ND OPENING 20 MINUTES-NO BLOW-FLUSHED TOOL-GOOD SURGE-NO HELP

2ND SHUT-IN NONE TAKEN



Eagle Testers Ref. No: 01250 Printed: 2015.11.11 @ 06:39:28