



Scale 1:240 Imperial

Well Name: Collene Unit #1-21
 Surface Location: 1711' FSL, 140' FWL Sec. 21-18S-14W
 Bottom Location:
 API: 15-009-26061-0000
 License Number:
 Spud Date: 11/22/2014 Time: 7:15 PM
 Region: Barton County
 Drilling Completed: 11/26/2014 Time: 11:45 PM
 Surface Coordinates:
 Bottom Hole Coordinates:
 Ground Elevation: 1911.00ft
 K.B. Elevation: 1924.00ft
 Logged Interval: 3000.00ft To: 3565.00ft
 Total Depth: 3565.00ft
 Formation: Arbuckle
 Drilling Fluid Type: Chemical/Fresh Water Gel

OPERATOR

Company: Shelby Resources, LLC
 Address: 445 Union Blvd, Suite 208
 Lakewood, CO 80228
 Contact Geologist: Janine Sturdavant
 Contact Phone Nbr: 303-907-2209 / 720-274-4682
 Well Name: Collene Unit #1-21
 Location: 1711' FSL, 140' FWL Sec. 21-18S-14W API: 15-009-26061-0000
 Pool: Field: Wildcat
 State: Kansas Country: USA

LOGGED BY



Company: Shelby Resources, LLC
 Address: 445 UNION BLVD. Suite 208
 LAKEWOOD, CO. 80228
 Phone Nbr: 203-671-6034
 Logged By: Geologist Name: Jeremy Schwartz

NOTES

The Shelby Resources, LLC Collene Unit #1-21 was drilled to a total depth of 3565', bottoming in the Arbuckle. A TookeDaq gas detector was employed in the drilling of said well.

No DST's were conducted

Due to low structural position, lack of shows and/or 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 further review at the Kansas Geological Society Well Sample Library, located in Wichita, KS.

Note: The Log tops are 6' higher than the sample tops at the Brown Lime though the LKC "H" and 4' higher from the Stark Shale to the Arbuckle

Respectfully Submitted,
Jeremy Schwartz
Geologist

CONTRACTOR

Contractor: Sterling Drilling Co

Rig #: 5
 Rig Type: mud rotary
 Spud Date: 11/22/2014
 TD Date: 11/26/2014
 Rig Release:

Time: 7:15 PM
 Time: 11:45 PM
 Time:

ELEVATIONS

K.B. Elevation: 1924.00ft Ground Elevation: 1911.00ft
 K.B. to Ground: 13.00ft

DATE	DEPTH	ACTIVITY
Tuesday, November 25, 2014	3100'	Geologist Jeremy Schwartz on location @ 1330hrs, ~3100', DRLG ahead through Heebner, Toronto, Douglas Shale, Brown Lime, CFS @ 3198', Drop Survey,
	3198'	Strap Out, Swap PDC for Button Bit, Resume DRLG ahead through LKC,
Wednesday, November 26, 2014	3220'	DRLG ahead, CFS @ 3418', Resume DRLG, CFS @ 3438', Resume DRLG, CFS @ 3448',
	3448'	Resume DRLG, CFS @ 3457', Resume DRLG, CFS @ 3470', Resume DRLG, CFS @ 3475'
	3475'	Resume DRLG ahead to TD @ 3565', TD reached @ 2345hrs
Thursday, November 27, 2014	3565'	Conduct Logging operations, Logging Operations Complete @ 0730hrs,
		Geologist Jeremy Schwartz off location @ 0830hrs

CLIENT:	SHELBY RESOURCES, LLC
WELL NAME:	Collene Unit #1-21
LEGAL:	NE SE NE SE 21-T185-R14W
COUNTY:	BARTON
API:	15-009-26061-00-00
DRLG CONTRACTOR:	STERLING DRILLING CO.
RIG #:	5
DOGHOUSE #:	620-388-5433
TOOLPUSHER:	ALAN LOFTIS
CELL #:	620-388-2736

		L.D. DRILLING				SHELBY RESOURCES, LLC				SHELBY RESOURCES, LLC							
		LORETTA POLZIN TRUST #1-22				H-P UNIT #1-22				S-B UNIT #1-21							
		COLLENE UNIT #1-15				SE SW NE SW 22-185-14W				SE SE SW NW 22-185-14W				NE NW NW SE 21-185-14W			
		KB		1924		KB		1916		KB		1929		KB		1929	
		LOG TOPS		SAMPLE TOPS		COMP. CARD		LOG		SMPL.		COMP. CARD		LOG		SMPL.	
FORMATION	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	
ANHYDRITE TOP	870	1054	870	1054	856	1060	-	6	-	6	875	1054	+	0	+	0	
BASE	899	1025	900	1024	882	1034	-	9	-	10	900	1029	-	4	-	5	
TOPEKA	2900	-976	2906	-982	2878	-962	-	14	-	20	2903	-974	-	2	-	8	
HEEBNER SHALE	3114	-1190	3120	-1196	3092	-1176	-	14	-	20	3118	-1189	-	1	-	7	
TORONTO	3124	-1200	3130	-1206	3100	-1184	-	16	-	22	3128	-1199	-	1	-	7	
DOUGLAS SHALE	3137	-1213	3141	-1217	3114	-1198	-	15	-	19	3140	-1211	-	2	-	6	
BROWN LIME	3190	-1266	3196	-1272	3167	-1251	-	15	-	21	3192	-1263	-	3	-	9	
LKC	3199	-1275	3205	-1281	3176	-1260	-	15	-	21	3202	-1273	-	2	-	8	
LKC G	3268	-1344	3274	-1350	3249	-1333	-	11	-	17	3273	-1344	+	0	-	6	
MUNCIE CREEK	3326	-1402	3332	-1408	3307	-1391	-	11	-	17	3338	-1409	+	7	+	1	
LKCH	3331	-1407	3338	-1414	3313	-1397	-	10	-	17	3340	-1411	+	4	-	3	
STARK SHALE	3380	-1456	3384	-1460	3363	-1447	-	9	-	13	3388	-1459	+	3	-	1	
BKC	3408	-1484	3410	-1486	3390	-1474	-	10	-	12	3414	-1485	+	1	-	1	
CONGLOMERATE	3421	-1497	3420	-1496	3395	-1479	-	18	-	17	3420	-1491	-	6	-	5	
ARBUCKLE	3464	-1540	3467	-1543	3424	-1508	-	32	-	35	3469	-1540	+	0	-	3	
RTD			3565	-1641	3550	-1634	-		-	7	3550	-1621			-	20	
LTD	3562	-1638			3549	-1633	-	5			3552	-1623	-	15			

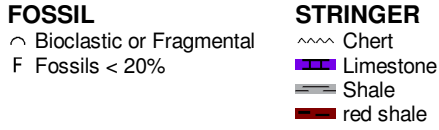
PROGNOSIS		
ANHYDRITE TOP	875	1049
HEEBNER SHALE	3100	-1176
LANSING	3184	-1260
BKC	3398	-1474
ARBUCKLE	3432	-1508
RTD	3500	-1576

TESTED	TESTED	TESTED
DST #1 (3174-3255) LKC "A-G" 30-45-45-60 Weak Surface Blow built to 7" Good Strong blow BOB 45' 185' GIP 155' WGOCM (71%M, 12%O, 10%G, 7%W) SIP: 870-865	DST #1 (3313-3347) LKC "H" 15-45-10 Weak Blow Built to 1IN No BB Blow Dead/Flush Tool/Pull Test 3' Mud SIP: 124-180	DST #1 (3265-3352) LKC "F-H" 10-45-33 Weak Blow Built to 1/4" No BB Weak Blow Built to 1/4" then died Flush Tool/Pull Test 240' MW w/show oil (90%W/10%M) SIP: 1001-179
DST #2 (3302-3376) LKC "H-K" 30-30-30-30 Blow Built to 2" Blow Built to 2.5" 5' GSOCM (89%M, 9%O, 2%G) SIP: 92-94		DST #2 (3402-3472) Ar buckle 15-60-30-60 Good Blow BOB 8MIN 45SEC Surface BB Good Blow BOB 11MIN No BB 510' SGMW (1%G) SIP: 1161-1157
DST #3 (3374-3436) Ar buckle 30-45-45-60 Strong Blow BOB 1" 4.5"BB Strong Blow BOB 1' 45" 310' GIP, 1745' GO (98%O, 2%G) 275' WGMO (90%multisified Oil) SIP: 1019-1008		

ROCK TYPES



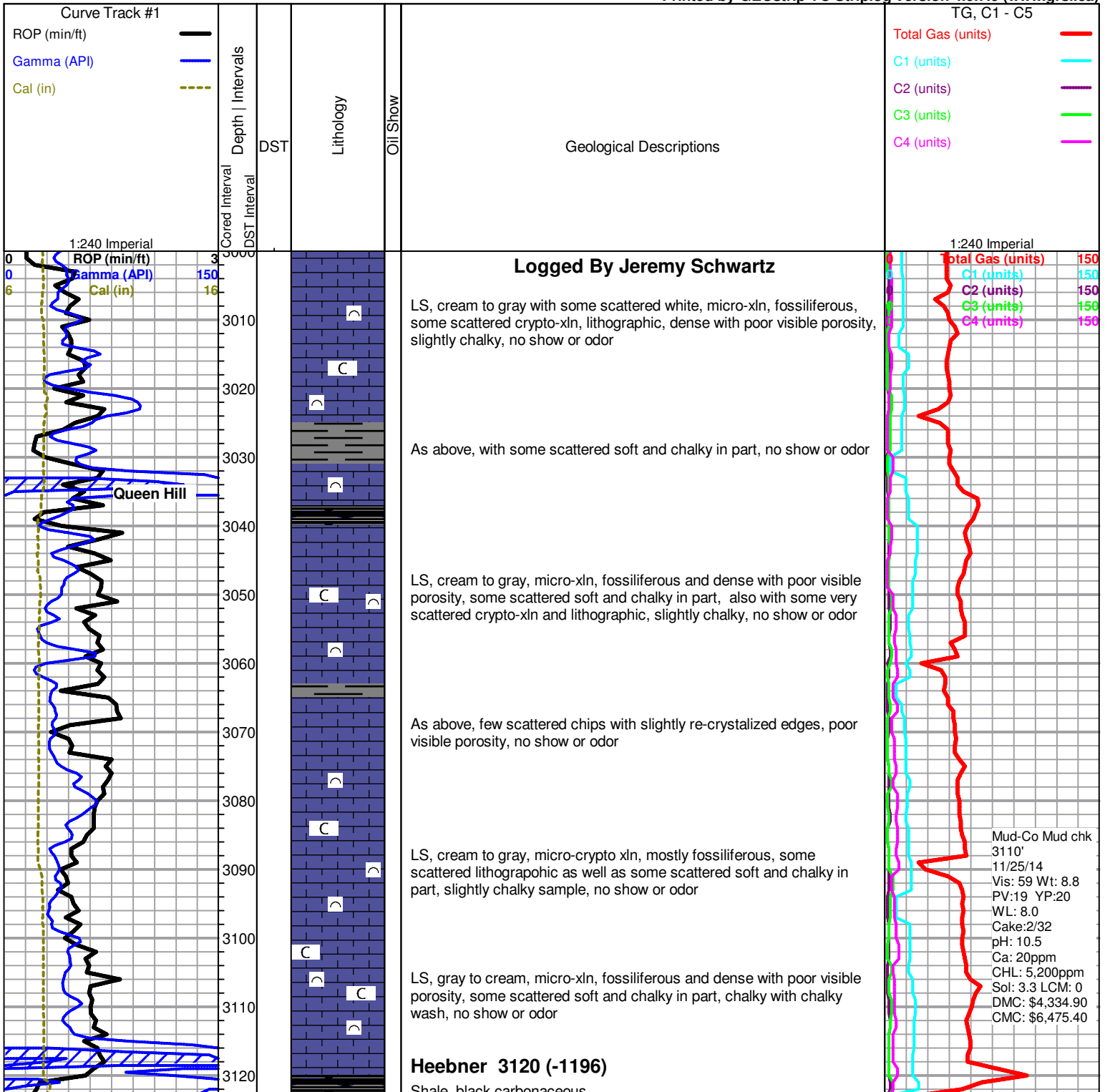
ACCESSORIES



OTHER SYMBOLS



Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)



Mud-Co Mud chk
3110'
11/25/14
Vis: 59 Wt: 8.8
PV:19 YP:20
WL: 8.0
Cake:2/32
pH: 10.5
Ca: 20ppm
CHL: 5.200ppm
Sol: 3.3 LCM: 0
DMC: \$4,334.90
CMC: \$6,475.40

Shale, black carbonaceous

Toronto 3130 (-1206)

Douglas 3141 (-1217)

Shale, gray, soft and waxy, with some very scattered red, blocky and dense

Shale as above, with slight influx of red

Brown Lime 3196 (-1272)

LS, brown, micro-xln, fossiliferous and dense with no visible porosity, no show or odor

LKC 3205 (-1281)

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

As above, also with some gray mottled and some scattered soft and chalky in part, slightly chalky, no show or odor

LS, cream with some scattered gray, micro-crypto xln, mostly lithographic and dense with poor visible porosity, some scattered fossiliferous, slightly chalky, no show or odor

LS, cream, micro-crypto xln, mostly fossiliferous, some lithographic, with some scattered soft and chalky in part, some scattered chips with slight scattered pinpoint edge porosity, barren, chalky, no odor

LS, cream to gray, micro-crypto xln, fossiliferous and dense with poor visible porosity, some scattered soft and chalky in part, no show or odor

LS, cream, micro-crypto xln, mostly lithographic and dense with poor visible porosity, few very scattered chips (<10%) with very scattered pinpoint edge porosity and very scattered poor brown stain around porosity, slightly chalky, VSSFO in tray, fair fleeting odor

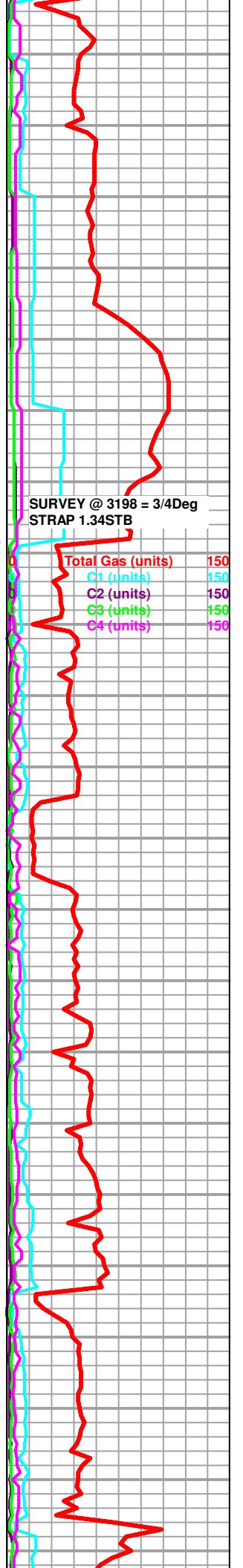
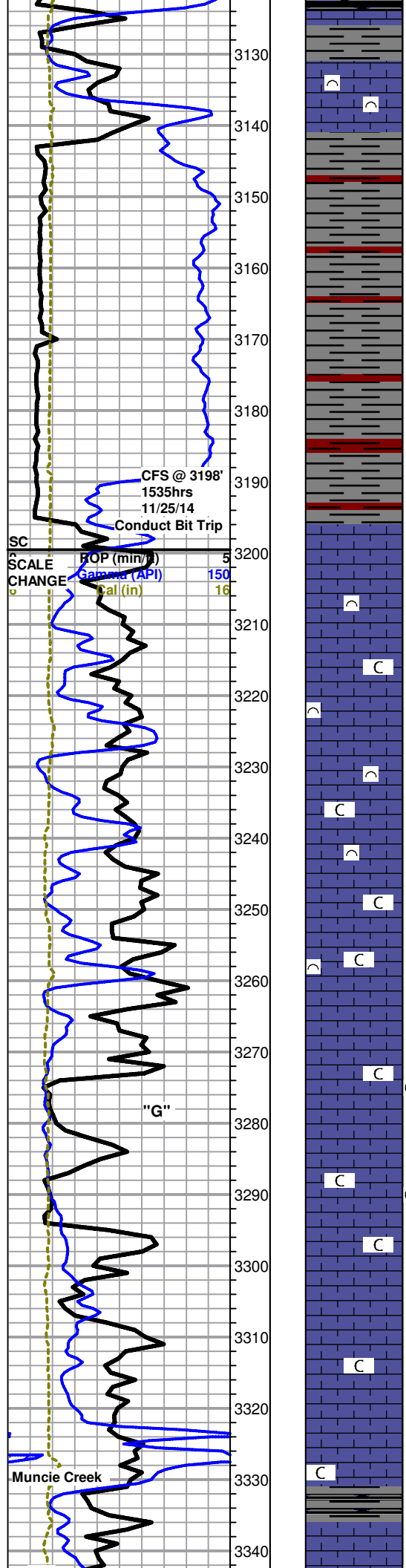
LS, cream, micro-xln, oomoldic, mostly dense with poor visible oomold porosity, few very scattered chips with scattered brown to black stain mostly confined to oomolds only, chalky, VSSFO in tray, fair odor

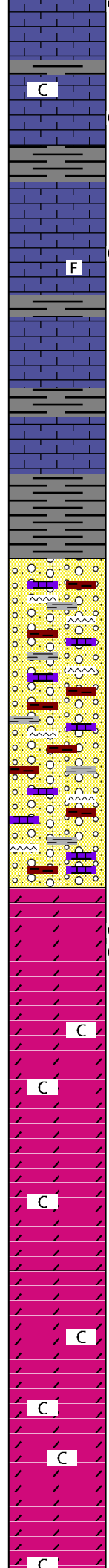
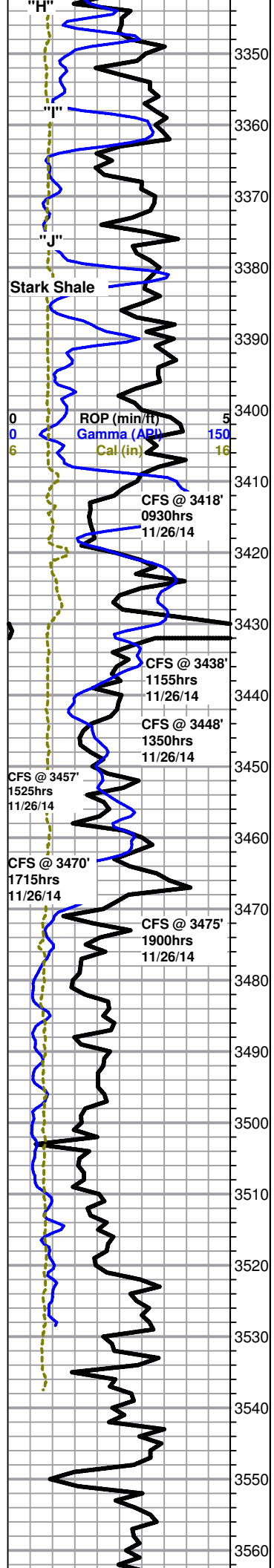
LS, cream, micro-crypto xln, mostly lithographic and dense with poor visible porosity, some scattered oomoldic as above, NSFO, fair fleeting odor

LS, gray to cream with some very scattered brown, micro-crypto xln, dense with poor visible porosity, chalky, no show or odor

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

LS, cream, micro-crypto xln, mostly lithographic and dense with poor





visible porosity, barren, few chips (<5%) sub-oomoldic to oomoldic with fair visible oomold porosity and scattered brown stain around oomolds, dense, SSFO upon break, poor fleeting odor

LS, cream to gray, micro-crypto xln, mostly lithographic and dense with poor visible porosity, few very scattered chips with few scattered vugs and wet black stain in vugs only, chalky, NSFO, no odor

LS, cream to gray, micro-crypto xln, mostly lithographic and dense with poor visible porosity, some scattered slightly fossiliferous, few very scattered chips with scattered pinpoint edge porosity and brown to wet black stain around porosity, upon break chips show fair inter-xln porosity and scattered brown inter-xln stain, NSFO, poor odor

LS, cream to gray, micro-crypto xln, lithographic and dense with poor visible porosity, no show or odor

LS, cream to gray with some scattered white, micro-crypto xln, lithographic and dense with poor visible porosity, also with some very scattered cream sub-oolitic to sub-oomoldic, dense and barren with poor visible porosity no show or odor

BKC 3410 (-1486)

3418' 30" LS, cream to gray with some scattered white, micro-crypto xln, lithographic and dense with poor visible porosity, some scattered soft and chalky in part, with some very scattered orange to red and clear to tan chert, chalky, no show or odor

3418' 60" Mostly same as above, no show or odor

Mix of cream and gray LS, red and gray shale, and some scattered orange to red and tan to opaque chert, trace oolitic chert, red wash, no show or odor

Conglomerate as above, with heavy red wash, no show or odor

3470' 30" Conglomerate, heavy red wash, no show or odor

Arbuckle 3467 (-1543)

3470' 60" Conglomerate as above, with some scattered dolomite, white, micro-xln, sub-sucrosic and dense with poor visible porosity, poorly developed, barren, NSFO, no odor

3475' 30" Mostly same as above, with slight influx of sucrosic, mostly dense with poor visible porosity, barren, found 2 chips white, micro-xln, with trace brown stain and SSFO upon break, NSFO in tray, no odor

3475' 60" Dolomite, white, micro-xln, sub-sucrosic to sucrosic, mostly dense with poor visible porosity, some scattered fairly friable, few chips with trace brown stain and SSFO upon break, with trace inter-xln brown stain, NSFO in tray, no odor

~3480' Dolomite, white, micro-xln, mostly sub-sucrosic and dense with poor visible porosity, with some sucrosic, some fairly friable, barren, slightly chalky, NSFO, no odor

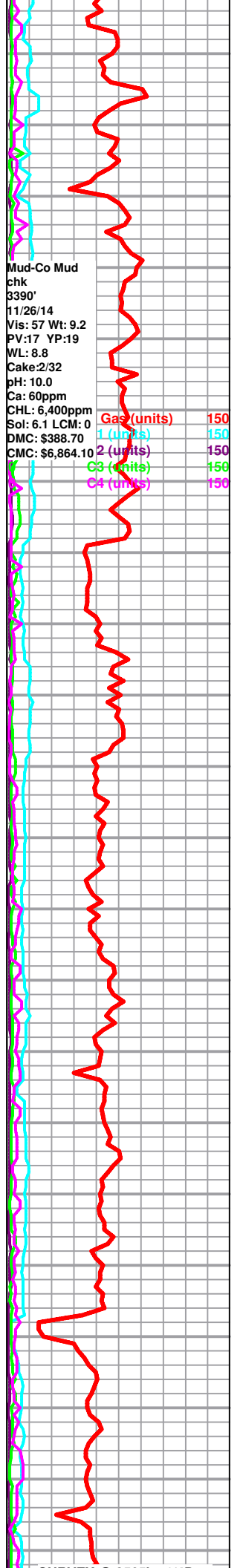
~3490-3510' Dolomite as above, chalky, no show or odor

Dolomite, white, micro-xln, sub-sucrosic to sucrosic and dense with poor visible porosity, barren, no odor

Dolomite as above, some very scattered sub-rhombic development, dense with poor visible porosity, barren, no odor

Dolomite, white, micro-xln, sub-sucrosic to sucrosic and dense with poor visible porosity, some scattered fairly friable, some very scattered sub-rhombic, barren, no odor

Dolomite as above, barren, no odor





3570

3580



Rotary TD 3565' @ 2345hrs 11/27/14
Nabors Well Services Logging TD @ 3562'
Complete Logging Operations @ 0700hrs 11/27/14
Geologist Jeremy Schwartz off location @ 0830hrs 11/27/14

SURVEY @ 3565' = 1/4Deg

