



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1190347
OIL & GAS CONSERVATION DIVISION

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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. 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: _____

1190347

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. 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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, 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 / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	H-P Unit 1-22
Doc ID	1190347

All Electric Logs Run

DUAL INDUCTION LOG
COMPENSATED DENSITY NEUTRON LOG
MICRO LOG
SONIC LOG

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	H-P Unit 1-22
Doc ID	1190347

Tops

Name	Top	Datum
ANHYDRITE TOP	875	+1054
ANHYDRITE BASE	900	+1029
TOPEKA	2903	-974
HEEBNER SHALE	3118	-1189
TORONTO	3128	-1199
DOUGLAS SHALE	3140	-1211
BROWN LIME	3192	-1263
LANSING KANSAS CITY	3202	-1273
LKC G	3273	-1344
MUNCIE CREEK	3338	-1409
LKC H	3340	-1411
LKC J	3370	-1441
STARK SHALE	3388	-1459
BASE KANSAS CITY	3414	-1485
CONGLOMERATE	3420	-1491
ARBUCKLE	3469	-1540



Scale 1:240 Imperial

Well Name: H-P Unit #1-22
 Surface Location: 2562' FNL _1223' FWL Sec 22-18S-14W
 Bottom Location:
 API:
 License Number:
 Spud Date: 2/5/2014 Time: 2:45 PM
 Region: Barton County
 Drilling Completed: 2/10/2014 Time: 2:15 PM
 Surface Coordinates: Y = 657129 & X = 1896263
 Bottom Hole Coordinates:
 Ground Elevation: 1966.00ft
 K.B. Elevation: 1929.00ft
 Logged Interval: 3000.00ft To: 3550.00ft
 Total Depth: 3550.00ft
 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: H-P Unit #1-22
 Location: 2562' FNL _1223' FWL Sec 22-18S-14WAPI:
 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 H-P Unit #1-22 was drilled to a total depth of 3550', bottoming in the Arbuckle. A TookeDaq gas detector was employed in the drilling of said well.

1 DST was conducted in the Lansing zone. 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 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.

Respectfully Submitted,
Jeremy Schwartz
Geologist

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: Latitude:

N/S Co-ord: Y = 657129
 E/W Co-ord: X = 1896263

CONTRACTOR

Contractor: Sterling Drilling Co
 Rig #: 5
 Rig Type: mud rotary
 Spud Date: 2/5/2014
 TD Date: 2/10/2014
 Rig Release:
 Time: 2:45 PM
 Time: 2:15 PM
 Time:

ELEVATIONS

K.B. Elevation: 1929.00ft
 K.B. to Ground: 13.00ft
 Ground Elevation: 1966.00ft

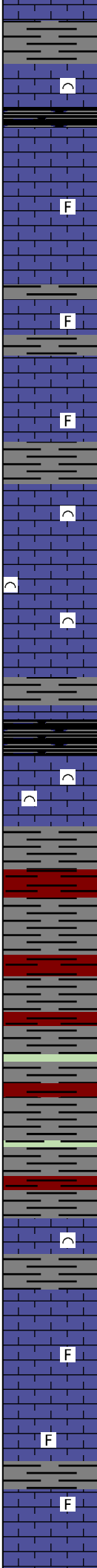
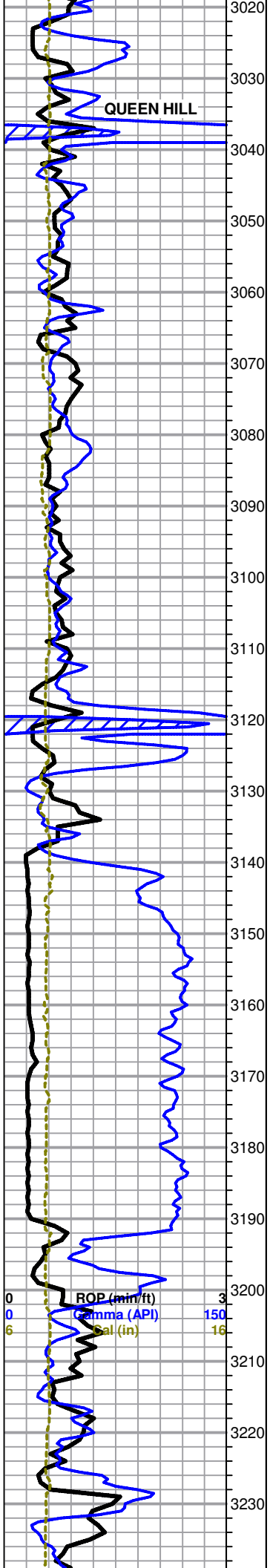
DATE	DEPTH	ACTIVITY
Saturday, February 08, 2014	3140'	Geologist Jeremy Schwartz on Location @ 2100hrs, DRLG ahead through Douglas Shale, Brown Lime, LKC, LKC "G",
Sunday, February 09, 2014	3347'	Muncie Creek, LKC "H", Short Trip, Strap Out, Drop Survey, Conduct DST #1 in LKC "H" DRLG ahead through LKC "J", Stark Shale, BKC, Conglomerate,
Monday, February 10, 2014	3475'	DRLG ahead through Arbuckle, lack of gas kicks, shows, and structural position do not warrant DST, DRLG ahead to TD, TD of 3550' reached @ 0515hrs, 3550' Conduct Logging Operations, Logging Operations complete @ 1330hrs Geologist Jeremy Schwartz off location @ 1415hrs

CLIENT:	SHELBY RESOURCES, LLC
WELL NAME:	H-P UNIT #1-22
LEGAL:	SE SE SW NW 22-18S-14W
COUNTY:	BARTON
API:	15-009-25944-00-00
DRLG CONTRACTOR:	STERLING DRILLING CO.
RIG #:	5
DOGHOUSE #:	620-388-5433
TOOLPUSHER:	ALAN LOFTIS
CELL #:	620-388-2736

		L.D. DRILLING				SHELBY RESOURCES, LLC				L.D. DRILLING												
		LORETTA POLZIN TRUST 1-22				W-S #1-15				F-B #1-21												
		H-P UNIT #1				SE SW NE SW 22-18S-14W				SW NE NE NE 21-18S-14W				SW NE NE NE 21-18S-14W								
		1929		1916		1942		1931		1929		1916		1942		1931						
		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	875	1054	875	1054	856	1060	-	6	-	6	886	1056	-	2	-	2	884	1047	+	7	+	7
BASE	900	1029	900	1029	882	1034	-	5	-	5	912	1030	-	1	-	1	908	1023	+	6	+	6
TOPEKA	2903	-974	2903	-974	2878	-962	-	12	-	12	2898	-956	-	18	-	18	2902	-971	-	3	-	3
HEEBNER SHALE	3118	-1189	3114	-1185	3092	-1176	-	13	-	9	3115	-1173	-	16	-	12	3116	-1185	-	4	+	0
TORONTO	3128	-1199	3124	-1195	3103	-1187	-	12	-	8	3123	-1181	-	18	-	14	3126	-1195	-	4	+	0
DOUGLAS SHALE	3140	-1211	3135	-1206	3114	-1198	-	13	-	8	3135	-1193	-	18	-	13	3139	-1208	-	3	+	2
BROWN LIME	3192	-1263	3190	-1261	3167	-1251	-	12	-	10	3188	-1246	-	17	-	15	3191	-1260	-	3	-	1
LKC	3202	-1273	3200	-1271	3176	-1260	-	13	-	11	3196	-1254	-	19	-	17	3202	-1271	-	2	+	0
LKC G	3273	-1344	3270	-1341	3249	-1333	-	11	-	8	3267	-1325	-	19	-	16	3271	-1340	-	4	-	1
MUNCIE CREEK	3338	-1409	3330	-1401	3310	-1394	-	15	-	7	3328	-1386	-	23	-	15	3328	-1397	-	12	-	4
LKCH	3340	-1411	3333	-1404	3313	-1397	-	14	-	7	3331	-1389	-	22	-	15	3331	-1400	-	11	-	4
LKCJ	3370	-1441	3368	-1439	3345	-1429	-	12	-	10	3363	-1421	-	20	-	18	3363	-1432	-	9	-	7
STARK SHALE	3388	-1459	3387	-1458	3363	-1447	-	12	-	11	3382	-1440	-	19	-	18	3378	-1447	-	12	-	11
BKC	3414	-1485	3408	-1479	3390	-1474	-	11	-	5	3416	-1474	-	11	-	5	3405	-1474	-	11	-	5
CONGLOMERATE	3420	-1491	3412	-1483	3395	-1479	-	12	-	4	3420	-1478	-	13	-	5	3409	-1478	-	13	-	5
ARBUCKLE	3469	-1540	3473	-1544	3424	-1508	-	32	-	36	3439	-1497	-	43	-	47	3444	-1513	-	27	-	31
RTD			3550	-1621	3550	-1634	-		+	13	3507	-1565	-		-	56	3550	-1619	-		-	2
LTD	3552	-1623			3549	-1633	+	10			3504	-1562	-	61			3552	-1621	-	2		

PROGNOSIS		
ANHYDRITE TOP	860	-1069
HEEBNER SHALE	3094	-1165
LANSING	3178	-1249
BKC	3390	-1461
ARBUCKLE	3442	-1513
RTD	3550	-1621

TESTED	TESTED	TESTED
	DST #1 (3315 - 3340) LKC "H" Times: 15-45-45-90 1ST OPEN BOB 1MIN BB BOB, GTS THROUGHOUT 2nd Open BOB 1MIN, GTS 1MIN BB BOB 2844' O, 120' OCM (50%/50%M) SIP: 1066 - 1064	DST #1 (3210 - 3258) LKC A-D TIMES: 30-30-30-30 1ST OPEN WEAK - DEAD 12MIN 2ND OPEN NO BLOW 15' OIL SPECKLED DRILLING MUD SIP: 887 - 648
	DST #2 (3347 - 3420) LKC "I-K" Times: 10-45-10 1st Open Very weak surface blow NO BB 2ND OPEN VERY WEAK SURGE DID NOT BUILD, PULLED TOOL	DST #2 (3252 - 3275) LKC D-G TIMES: 30-30-30-30 1ST OPEN WEAK 2ND OPEN VERY WEAK 200' SLM CW (5%M, 95%W) SIP: 953 - 947
		DST #3 (3322 - 3404) LKC H-L



As above, also with some scattered light brown, micro-xln, dense with poor visible porosity, trace black carbonaceous shale, no shows or odor

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

As above, slightly chalky

LS, light gray to cream with some scattered light brown, fossiliferous, poor visible porosity, no shows or odor

LS as above

HEEBNER 3114 (-1185)

Shale, black carbonaceous

TORONTO 3124 (-1195)

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

DOUGLAS SHALE 3135 (-1206)

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

Shale, as above with trace green

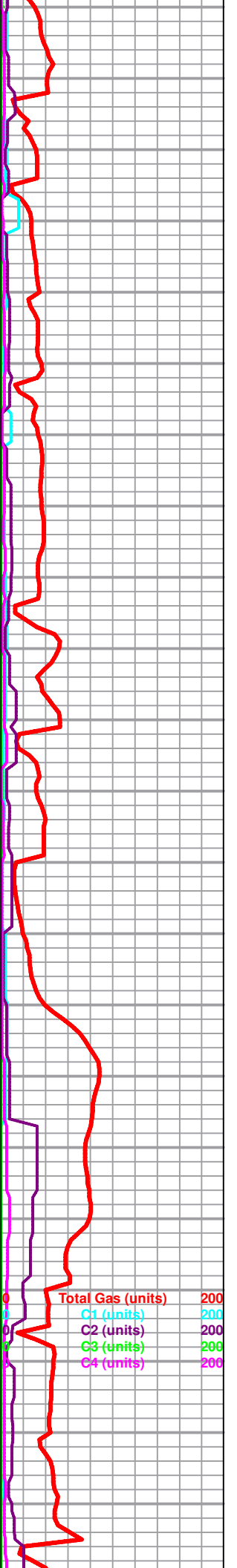
BROWN LIME 3190 (-1261)

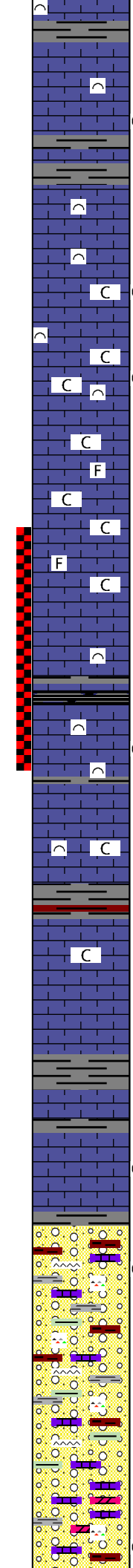
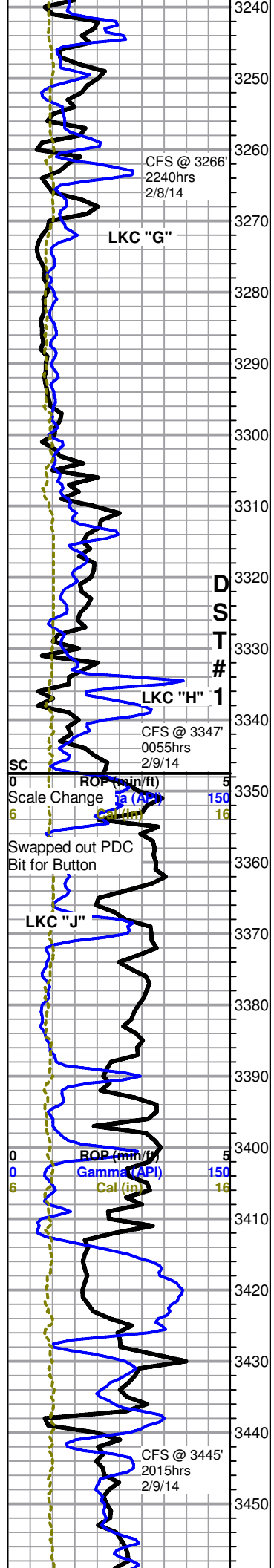
LS, brown, micro-xln, fossiliferous, hard and dense with no visible porosity, no shows or odor

LKC 3200 (-1271)

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

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





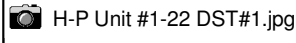
3266' 30" LS, cream to gray, micro-xln, fossiliferous, mostly dense with poor visible porosity, few chips with very scattered poor pinpoint porosity and trace black stain in porosity, pyritic, no odor

3266' 60" as above

LS, mostly cream with some gray, mostly fossiliferous and dense with poor visible porosity, with some very scattered oomoldic with poor oomold porosity, few chips with very scattered black stain in oomolds only, slightly chalky, poor fleeting odor

LS as above, with influx of oomoldic, poor oomold porosity and scattered brown to black stain in oomolds only, chalky, poor odor

LS, cream to gray with some scattered light brown, micro-xln, some fossiliferous, some scattered oomoldic, barren, hard and dense with poor visible porosity, very chalky, no odor



MUNCIE CREEK 3330 (-1401)

3347' 30" LS, gray to cream with some scattered brown, micro-xln, fossiliferous, hard and dense with poor to no visible porosity, also with few chips fossiliferous and dense with several small scattered edge vugs and tarry, wet black stain in vugs, slow streaming cut with dull yellow fluorescence, poor odor

3347' 60" Mostly same as above, found one small chip fossiliferous with slightly vuggy porosity and mostly saturated tarry, wet black stain in voids only, after several minutes under heat lamp few chips have SSFO and slight show gas bubbles coming from porosity, poor fleeting odor

3350' LS, gray to cream with some scattered white, micro-xln, mostly fossiliferous and dense with poor visible porosity, some scattered soft and chalky, slightly chalky sample, no shows or odor

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

STARK SHALE 3387 (-1458)

LS, cream to white with some scattered light gray, micro-xln, some fossiliferous, some lithographic, dense with poor visible porosity, some very scattered with slightly re-crystallized edges, few chips with spotty dead black to tarry, wet black stain on edges only, no cut, no odor

BKC 3408 (-1479)

Mixed cream to gray LS, some fossiliferous, some scattered oomoldic, mostly hard and dense with poor visible porosity, few chips with very scattered edge vugs and poor dark brown to wet black stain in vugs only, also with mixed gray and red shale and very scattered orange and red chert, slight red wash

3445' 30" Mixed cream to gray LS with some scattered white, some fossiliferous, dense with poor visible porosity, also with mixed gray and red shale with trace green and scattered mixed vari-colored cherts, heavy red wash

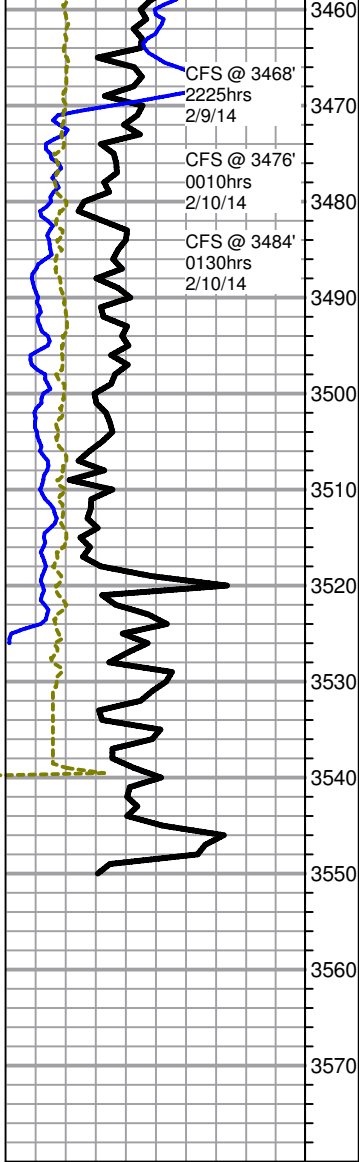
60" As above

3468' 30" Conglomerate as above, very chalky, red wash, also with trace dolomite, white, hard and dense with no visible porosity, barren, found one chip sub-sucrosic with fair development and scattered pinpoint to slightly vuggy porosity and very scattered brown to black stain, slow streaming cut with dull

Survey @ 3347' = 1degree

Mud-Co Mud chk	
3347'	
2/9/14	
Vis: 52, Wt.: 9.2	
PV: 16 YP: 14	
WL: 8.0	
Cake 1/32	
pH: 10.0	
Ca: 20ppm	
CHL: 4,200ppm	
Sol: 6.1 LCM: 0	
DMC: \$1,764.95	
CMC: \$7,080.40	

Total Gas (units)	200
C1 (units)	200
C2 (units)	200
C3 (units)	200
C4 (units)	200



fluorescence

60" Conglomerate with some scattered dolomite, white, micro-xln, few chips sub-sucrosic, mostly hard and dense with poor development and porosity, barren, very chalky, red wash

ARBUCKLE 3473 (-1544)

3476' 30" Conglomerate with influx of dolomite, white, micro-xln, some sub-sucrosic, mostly dense with poor visible porosity, barren

60" Dolomite, white, micro-xln, some hard and dense, some sub-sucrosic with poor to fair development, some chips friable, barren, also with abundant mixed LS, shales and cherts with slight red wash

3484' 30" Dolomite, white, micro-xln, some with poor to fair development and poor visible porosity, some friable, some dense, few chips with very scattered black gilsonitic stain, also with some scattered gray and red shale and trace orange to red chert, slightly chalky sample

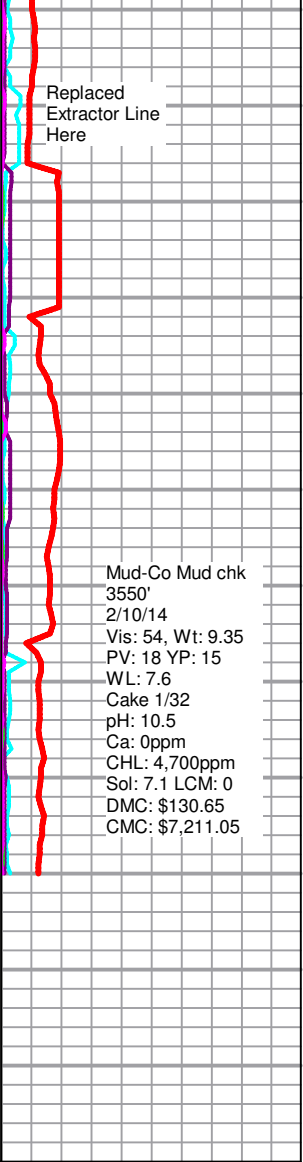
60" Dolomite as above, barren, with less shales and cherts

Dolomite, white, micro-xln, sub-sucrosic with some scattered sucrosic, mostly poorly developed with few chips showing scattered fair sub-rhombic development, some very friable, some dense, poor visible porosity, very scattered black gilsonitic stain on several chips, slightly chalky

Dolomite as above, few chips with fair sub-rhombic development, very friable with poor to fair visible inter-xln porosity on few chips, some with very scattered black gilsonitic stain, slightly chalky

As above

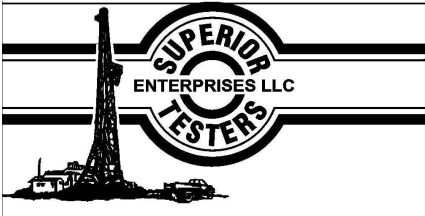
Dolomite, white, micro-xln, mostly sub-sucrosic with some scattered sucrosic, poor to fair sub-rhombic development with few chips showing poor to fair rhombic development, poor visible porosity, slightly chalky, no shows



Replaced Extractor Line Here

Mud-Co Mud chk
3550'
2/10/14
Vis: 54, Wt: 9.35
PV: 18 YP: 15
WL: 7.6
Cake 1/32
pH: 10.5
Ca: 0ppm
CHL: 4,700ppm
Sol: 7.1 LCM: 0
DMC: \$130.65
CMC: \$7,211.05

Rotary TD 3550' @ 0515hrs 2/10/14
Nabors Well Services Logging TD @ 3552'
Complete Logging Operations @ 1330hrs 2/10/14
Geologist Jeremy Schwartz off location @ 1415hrs 2/10/14



DRILL STEM TEST REPORT

Shelby Resources LLC
 2717 Canal Boulevard
 Suite C
 Hays, Kansas 67601
 ATTN: Jeremy Schwartz

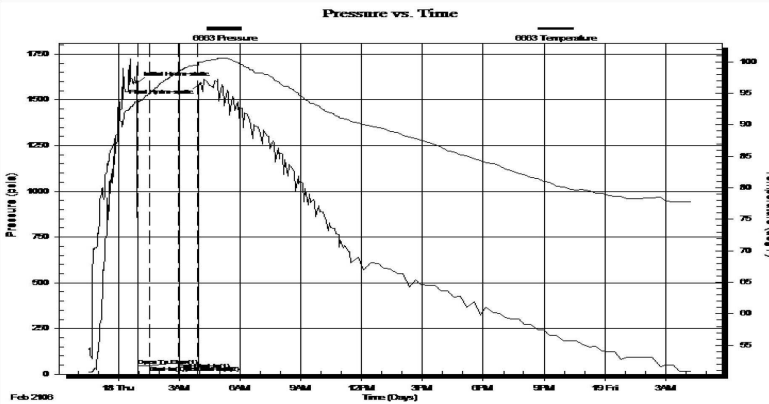
22/18S/14W/Barton
H-P Unit 1-22
 Job Ticket: 18239 **DST#: 1**
 Test Start: 2014.02.09 @ 07:25:00

GENERAL INFORMATION:

Formation: **Lansing/Kansas City**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 00:57:00
 Tester: Ken Sw inney
 Time Test Ended: 10:17:00
 Unit No: 3325 Great Bend/22
Interval: 3313.00 ft (KB) To 3347.00 ft (KB) (TVD)
 Reference Elevations: 1929.00 ft (KB)
 Total Depth: 3347.00 ft (KB) (TVD)
 1916.00 ft (CF)
 Hole Diameter: 7.80 inches Hole Condition: Poor
 KB to GR/CF: 13.00 ft

Serial #: 6663 Inside
 Press@RunDepth: 46.60 psia @ 3343.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2014.02.09 End Date: 2106.02.19 Last Calib.: 2014.02.09
 Start Time: 07:25:00 End Time: 10:17:00 Time On Btm: 2106.02.18 @ 00:53:00
 Time Off Btm: 2106.02.18 @ 04:05:00

TEST COMMENT: 1ST Open 15 Minutes/Weak blow /Blow built to 1 inch in bucket of diesel
 1ST Shut In 45 Minutes/No blow back
 2ND Open 10 Minutes/Couple of bubbles at open then dead/Pull test



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1662.30	93.72	Initial Hydro-static
4	44.59	93.47	Open To Flow (1)
40	46.60	95.10	Shut-In(1)
124	62.31	98.41	End Shut-In(1)
128	46.45	98.53	Open To Flow (2)
180	47.17	99.47	Shut-In(2)
192	1589.83	99.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud 100%	0.01

Gas Rates

Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 09912 A

DATE _____ TICKET NO. _____

DATE OF JOB 2-11-14 DISTRICT Pratt		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:						
CUSTOMER LO Drilling		LEASE H-P Unit WELL NO. 1-22						
ADDRESS		COUNTY Barton STATE KS						
CITY STATE		SERVICE CREW MATTAL, KUMITA, PIERSON						
AUTHORIZED BY		JOB TYPE: CRW LOGGING STRING						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	TIME
37586							2-11-14	10:00 PM
						ARRIVED AT JOB		4:50 AM
27467	3/4					START OPERATION		2:30 AM
						FINISH OPERATION		2:10 AM
19831/19832	3/4					RELEASED		2:20 AM
						MILES FROM STATION TO WELL		65

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: V. Juan M. Rao
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 105	AA-2	SK	200		3400.00
CP 103	60/40 PUZ	SK	50		600.00
CC 102	COLLOIDAL	CA	50		185.00
CC 105	C-41 P PERMAN	CA	47		188.00
CC 111	SALT	CA	986		293.00
CC 115	C-44	CA	188		968.20
CC 129	FIA-322	CA	188		1410.00
CC 201	GILSONITE	CA	1,000		670.00
CF 1651	Turbolizer 5 1/2	CA	3		330.00
CF 1901	BASKET 5 1/2	CA	1		290.00
CS 154	SUPERFLEX	GM	500		1225.00
E 100	P.H. MILS	MB	65		276.25
E 101	HEAVY EQ. MILS	MB	130		910.00
E 113	PROP + BUILD OIL	TM	751		1701.20
CE 204	DEPTH CHARGE 3001-4000'	YAS	1		2160.00
CE 240	BOND + AIR CHARGE	SM	250		350.00
CE 504	PILES CONT	TUB	1		750.00
5003	SERVICE SUPERVISOR	OT	1		175.00

SUB TOTAL **11,311.20**

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON S	
MATERIALS	%TAX ON S	
TOTAL		

SERVICE REPRESENTATIVE MIKE MATTAL	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>V. Juan M. Rao</u> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
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FIELD SERVICE ORDER NO. _____

Customer LD Drilling	Lease No.	Date 2-11-14
Lease H-P UNIT	Well # 1-22	
Field Order # 912	Station Pratt	Casing 5 1/2
		Depth 1533
Type Job CNW L.S.	Formation TD-3788	County BARTON
		State KS
		Legal Description 28-18-14

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft				RATE	PRESS	ISIP
5 1/2				Acid				
Depth 1533	Depth	From	To	Pre Pad	Max			5 Min.
Volume	Volume	From	To	Pad	Min			10 Min.
Max Press	Max Press	From	To	Frac	Avg			15 Min.
Well Connection P.C.	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth 3519	Packer Depth	From	To	Flush	Gas Volume			Total Load

Customer Representative LD	Station Manager Kevin Goldrey	Treater MIKE MATTON
Service Units 37586	27463	19931 19806
Driver Names MATTIA	Kumar	PERSON

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
4:50 AM					ON LOCATION / SAFETY MEETING
5:50					RUN 5 1/2 15.5" CSNG, PACKER SHOE
					BASKET ON BOTTOM OF JT 2, TUBO ON 2, 5, 8
					CSNG ON BOTTOM
					HOOK UP TO CSNG / BREAK CILC W RIG
7:30	1300				SET PACKER SHOE AT 3533'
	300		5	5	PUMP 5 BBL WATER
	700		12	5	PUMP 12 BBL SUPERFLUSH
	700		5	5	PUMP 5 BBL WATER
	600		51	6	MIX 200 SACKS AA-2 CEMENT
					WASH PUMP + LINES
					RELEASE PLUG
	0		0	6	START DISPLACEMENT
	300		40	6	LIFT PRESSURE
	1200		73	3	SLOW RATE
2:10	2000		83.7	3	PLUG DOWN - HOLD
					PLUG RAT - 30516
					PLUG MOUSE - 20516
					RAN L.D.'S HALLIBURTON PACKER
					SHOE & LATCH PLUG
2:20					JOB COMPLETE - MAKE

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. 7154

Date	2-6-14	Sec.	22	Twp.	18	Range	14	County	Barton	State	Ks	On Location		Finish	3:00 PM
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Location: 281 + 4 JCL, 35 to 90th Rd, 1W to 50th Ave

Lease	H-P unit	Well No.	1-22	Owner	1/2 S, E Hnto
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Contractor	Stirling	#	5	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
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Type Job	Surface	Charge To: Shelby Resources			
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Hole Size	12 1/4"	T.D.	903'	Street	
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Csg.	8 5/8"	Depth	898'	City	
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Tbg. Size		Depth		State	
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Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
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Cement Left in Csg.	32.40	Shoe Joint	32.40	Cement Amount Ordered	375 3x 6040 3% CC 2% GC
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Meas Line		Displace	55 BLS	4 1/2 gal	
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EQUIPMENT

Pumptrk	5	No.		Cement	1	Poz. Mix	150
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Bulktrk	12	No.		Helper	Lonnie W	Gel	7
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Bulktrk	P.O.	No.		Driver	Lonnie M	Calcium	14
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Bulktrk		No.		Driver	Rock	Hulls	
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JOB SERVICES & REMARKS

Remarks:	Cement did Circulate	Salt	
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Rat Hole		Flowseal	93#
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Mouse Hole		Kol-Seal	
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Centralizers		Mud CLR 48	
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Baskets		CFL-117 or CD110 CAF 38	
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D/V or Port Collar		Sand	
--------------------	--	------	--

		Handling	1.6
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		Mileage	
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FLOAT EQUIPMENT

		Guide Shoe	1 Slip on
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		Centralizer	1 Baffle plate
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		Baskets	1 Rubber plug
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		AFU Inserts	
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		Flat Shoe	
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		Latch Down	
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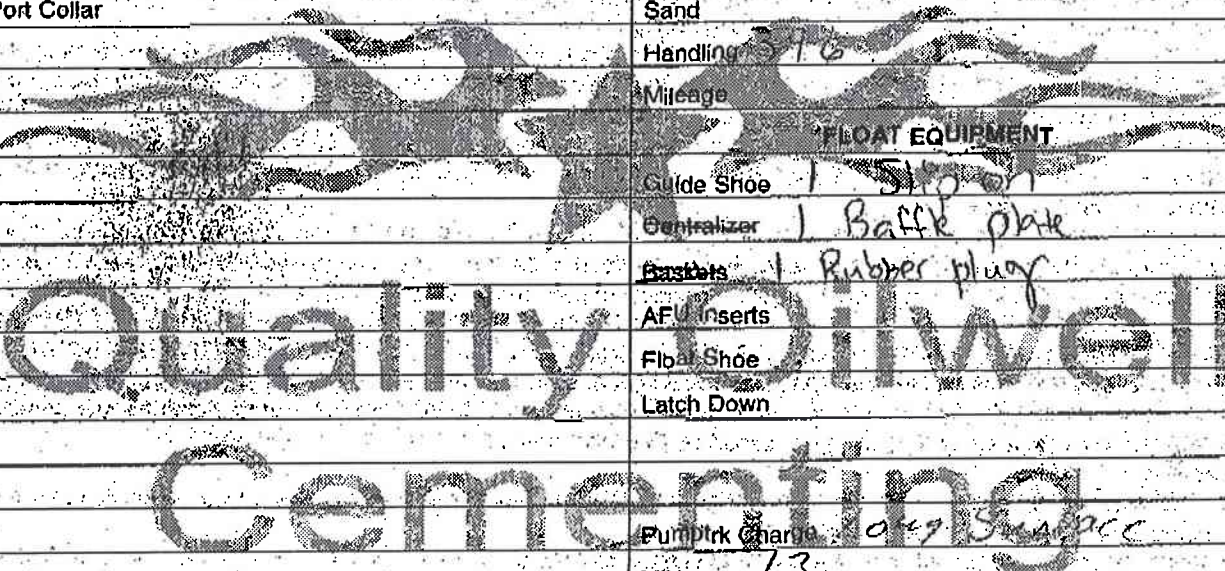
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X Signature Alan Latta

Tax
Discount
Total Charge



W45" set
316943-3511
Gen set



DRILL STEM TEST REPORT

Prepared For: **Shelby Resources LLC**

2717 Canal Boulevard
Suite C
Hays, Kansas 67601

ATTN: Jeremy Schwartz

H-P Unit 1-22

22/18S/14W/Barton

Start Date: 2014.02.09 @ 07:25:00

End Date: 2106.02.19 @ 10:17:00

Job Ticket #: 18239 DST #: 1

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

Printed: 2014.02.09 @ 18:42:22

Shelby Resources LLC 22/18S/14W/Barton H-P Unit 1-22 DST # 1 Lansing/Kansas City 2014.02.09

Serial #: 6663

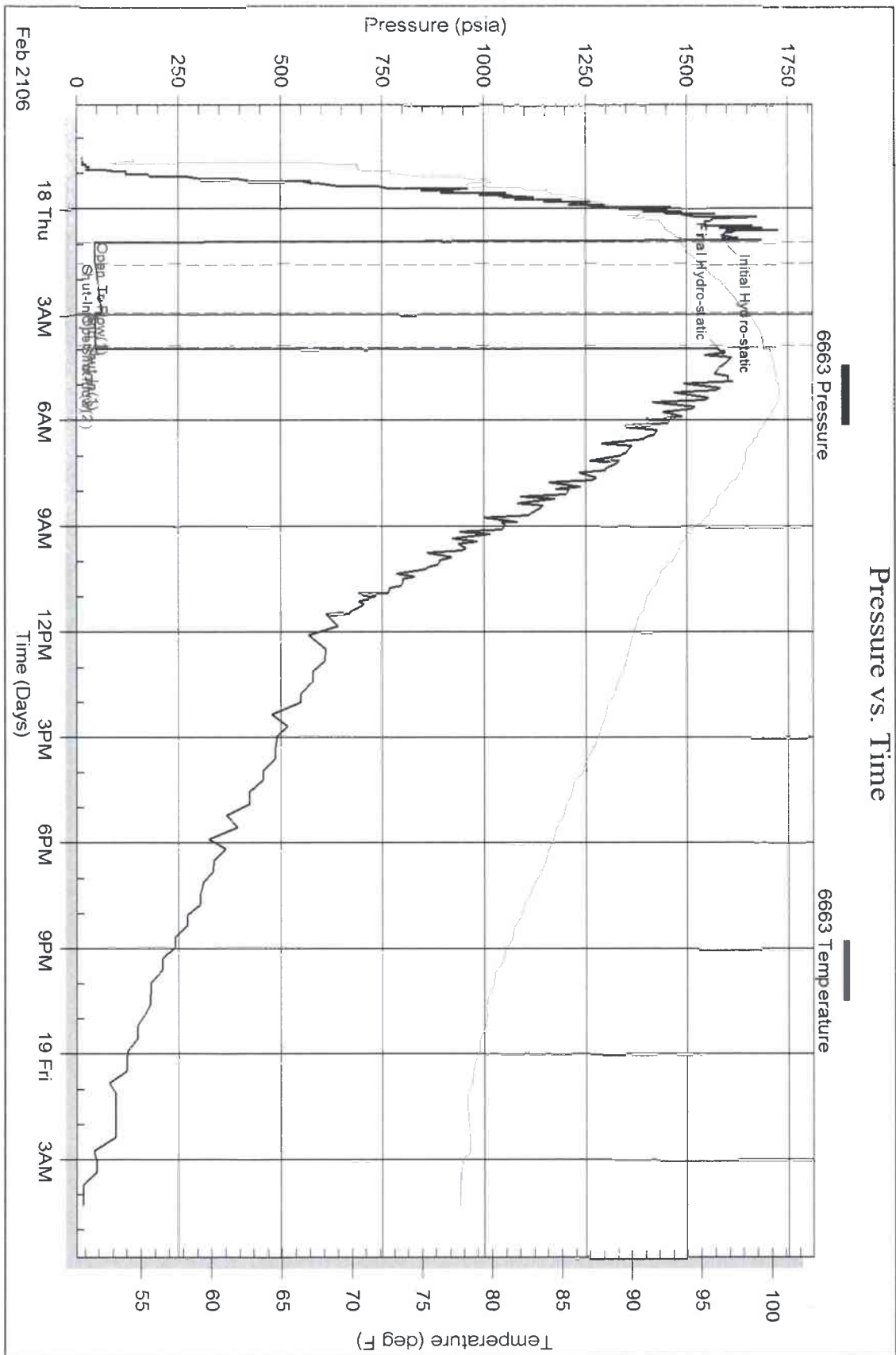
Inside

Shelby Resources LLC

HP Unit 1-22

DST Test Number 1

Pressure vs. Time



Superior Testers Enterprises LLC

Ref. No: 18239

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