

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
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) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	SNR Kansas Operating, LLC
Well Name	HENDERSON-BOLANDER 33-3
Doc ID	1466489

Perforations

Shots Per Foot	Perforation Top	Perforation Bottom	BridgePlugType	BridgePlugSet At	Material Record
1	3300	3310			
2	3328	3338			
2	3356	3366			
2	3391	3401			5,000 gal 15%, 10KLB 100, 80KLB 40/70, 6,800 bbl SW
1	3100	3110			
1	3130	3138			
2	3180	3188			
2	3210	3218			
2	3232	3242			5,000 gal 15%, 10KLB 100, 80KLB 40/70, 6,800 bbl SW

SNR Kansas Operating, LLC

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Henderson Bolander 33-3
API: 15-035-24703-00-00
Location: 884' FSL, 2265' FEL 33-32-5E
License Number: 35586
Spud Date: 05/31/2019
Surface Coordinates: 37.217695
-96.886824
Region: Cowley
Drilling Completed: 6-4-19
Bottom Hole Coordinates:
Ground Elevation (ft): 1248 K.B. Elevation (ft): 1253
Logged Interval (ft): 1500 To: 3480 Total Depth (ft): 3480
Formation: Mississippian
Type of Drilling Fluid: Water Bas Mud

Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: SNR Kansas Operating, LLC
Address: 301 NW 63rd Street
Oklahoma City, OK 73116

GEOLOGIST










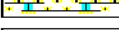






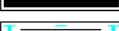

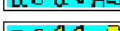

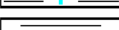
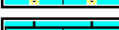










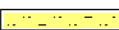





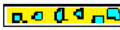


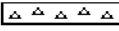




Name: Troy Phillips
Company: TAP IT, LLC
Address: 733 N Baltimore
Derby, KS 67037

FORMATION	HB 33-3 1253 KB		HB 33-1 1303 KB		HB 33-2 1266 kb
Iatan	1889 (-636)		1894 (-630)		1891 (-625)
Stalnaker Sd	1917 (-664)		1924 (-660)		1918 (-652)
Iola	2324 (-1071)		2322 (-1058)		2321 (-1055)
Layton Sd	2320 (-1067)		2367 (-1103)		2361 (-1095)
Kansas City	2519 (-1266)		2516 (-1252)		2512 (-1246)
B. Kansas City	2641 (-1388)		2656 (-1392)		2638 (-1372)
Marmaton	2737 (-1484)		2738 (-1474)		2737 (-1471)
Pawnee	2791 (-1538)		2789 (-1525)		2786 (-1520)
Ft. Scott	2821 (-1568)		2820 (-1556)		2816 (-1550)
Cherokee	2858 (-1605)		2854 (-1590)		2850 (-1584)
Mississippian	3099 (-1846)		3105 (-1841)		3098 (-1832)
Miss Reeds Springs	3439 (-2186)		3434 (-2170)		3431 (-2165)
Kinderhook	NP		NP		3496 (-2230)
Arbuckle	NP		NP		3588 (-2322)

COMMENTS







It was decided to set 5-1/2" Casing at 3480 with 200 Sx cement to further test the Missippian by perforation and frac.

ROCK TYPES

	Anhydrite		Shaly_ss_ii		Cherty_dolo		Qtz_wash
	Arkose		Sandstone		Dolomite		Qtz_wash_ii
	Ark_shale		Shaly_limy_ss		Limy_dolo		Argil_qtz_wash
	Granite		Washy_limy_ss		Cement		Ark_qtz_wash
	Coal		Limy_ss		Carb_wash		Sdy_gw
	Limy_sh		Sdy_ls		Sdy_carb_wash		Shaly_gw
	Shale		Limestone		Shaly_sdy_carb_wash		Gw_a
	Hot_shale		Dolo_ls		Shaly_limy_qtz_wash		Gw_b
	Hot_shale_ii		Shaly_ls		Shaly_limy_qtz_wash_ii		Gw_c
	Siltstone		Carb_shaly_ls		Limy_qtz_wash		Gw_d
	Siltstone_ii		Cherty_ls		Limy_qtz_wash_ii		
	Shaly_ss		Chert		Limy_qtz_wash_iii		

ACCESSORIES







FOSSIL

	Algae
	Amph
	Belm
	Bioclst
	Brach
	Bryozoa
	Cephal
	Coral
	Crin
	Echin
	Fish
	Foram
	Fossil
	Gastro
	Oolite
	Ostra
	Pelec
	Pellet
	Pisolite
	Plant
	Strom

MINERAL

	Anhy
	Arggrn
	Arg
	Bent
	Bit
	Brecfrag
	Calc
	Carb
	Chtdk
	Chflt
	Dol
	Feldspar
	Ferrpel
	Ferr
	Glau
	Gyp
	Hvymin
	Kaol
	Marl
	Minxl
	Nodule
	Phos
	Pyr







	Salt
	Sandy
	Silt
	Sil
	Sulphur
	Tuff












STRINGER

	Arkosic inclusion
	Chert inclusion
	Anhydrite
	Arkosic qtz str
	Arkosic qtz str ii
	Arkosic str
	Arkosic str ii
	Carb wash str
	Sandy carb wash str
	Coal/carb sh
	Dolomite
	Granite str
	Limestone
	Limy ss str
	Qtz wash str
	Limy qtz wash str



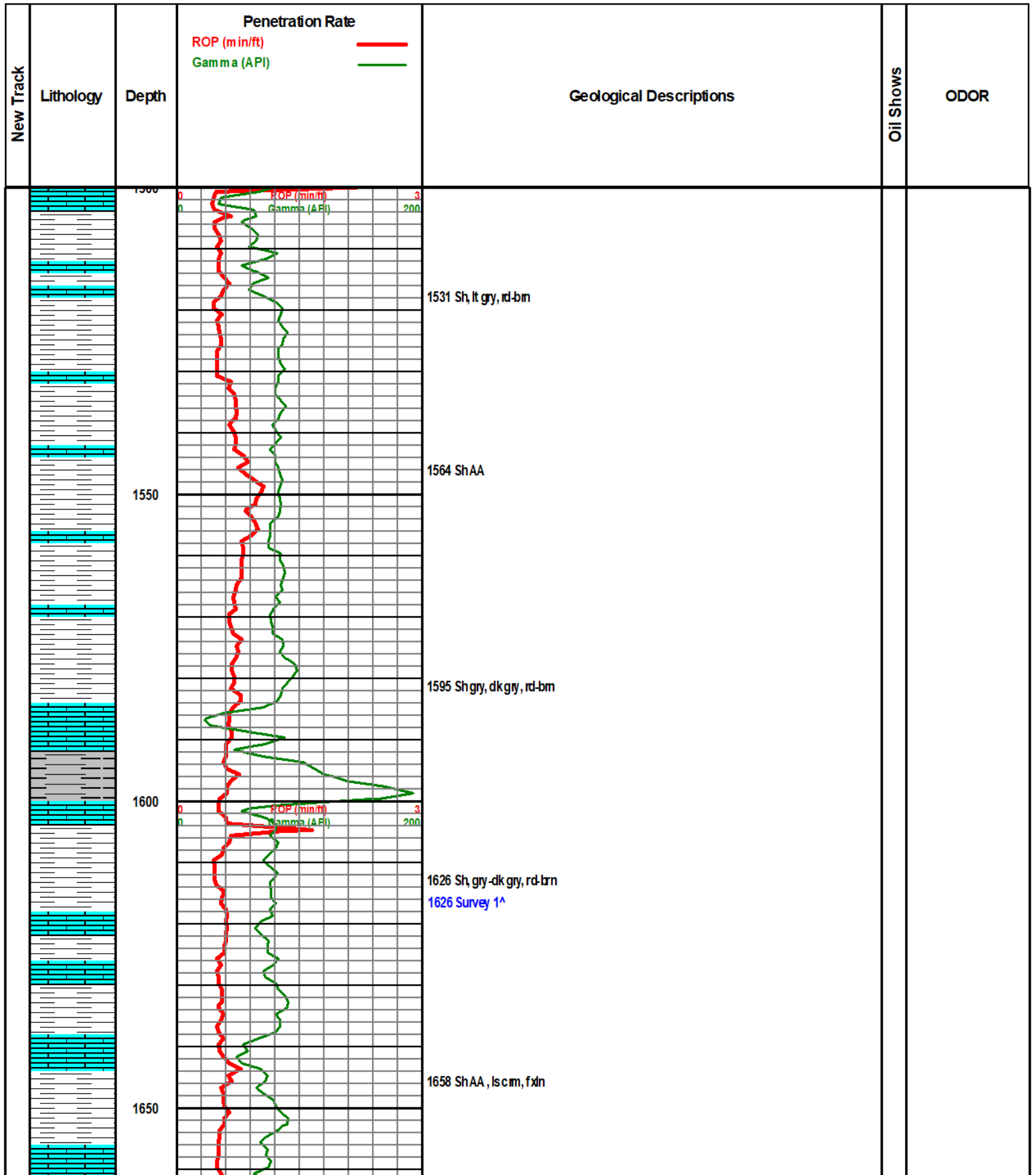
	Sandy ls str
	Shale
	Siltstone
	Sandstone

TEXTURE

	Boundst
	Chalky
	Cryxln
	Earthy
	Finexln
	Grainst
	Lithogr
	Microxln
	Mudst
	Packst
	Wackst

OIL SHOW

	Even
	Spotted
	Ques
	Dead



1690 Sh rdbrn, gry, blkish

1700

1722 ShAA; Ls cm, drs-fxltn, nvisO

1754 Sh, gry; sdy, vfingr, nvisO

1750

1786 Sh gry; Ls cm, drs-fxltn, nvisO

1800

ROP (min/hr) 3
Gamma (AEI) 200

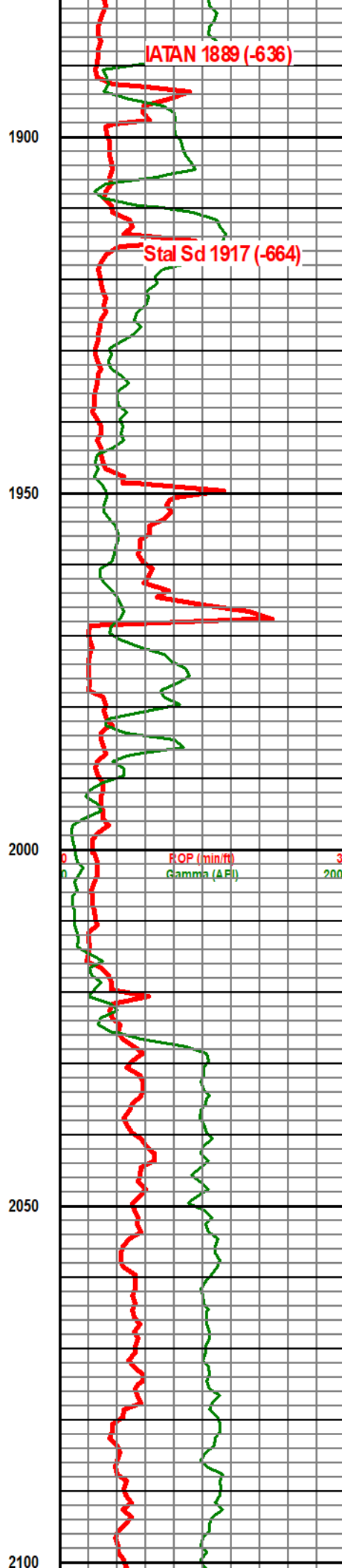
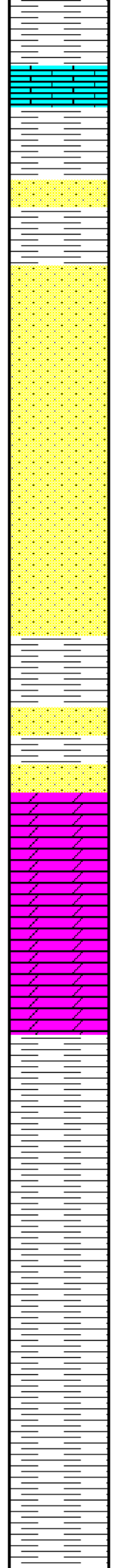
1818 Sh, gry

Sh, gry, ls crm,

1850

1858 Fud Mud 34 vis, 9.2 wt, 0# LCM

1882 Sh, gry



IATAN 1889 (-636)

Stal Sd 1917 (-664)

1900

1914 ShAA; Lscm, fxln, Nvis0

1950

1946 Sh, gry; Sd, wh-lt gry, vfgrn subang w srttd, pvis0

1978 Shgry; Sd, lt gry, fgrn sub ang well srttd, fvis0

1965 Bladder on mud pit to Mud Pump Leaking

2000

ROP (min/ft) 3
Gamma (API) 200

2010 Dol, gry, chs; Sd vfgrn, friable

2042 Sh lt gry, gry, rust; Sd wh-lt gry, fgrn, pvis0

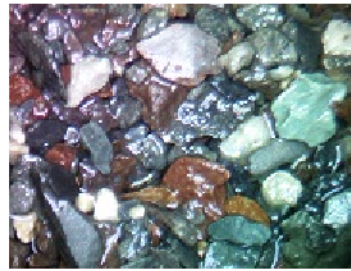
2050

2074 Sh gry, rust, dk gry Sd wh vfgrn, ws rtd pvis0

2106 Sh, lt gry-gry, rust-lt grn sm mdt, few pcs lt prpl

2100

2138 Sh, gry, rustsm mdt



HB 33-3 2138-1.jpg

2150

2170 Sh gry, rust, LS lt gry, dns-fxln, rvisO



HB 33-3 2170-1.jpg

2202 Sh, gry, rust



HB 33-3 2202-1.jpg

2200

2209 Survey 1.25^

ROP (min/ft) 3
Gamma (AEI) 200

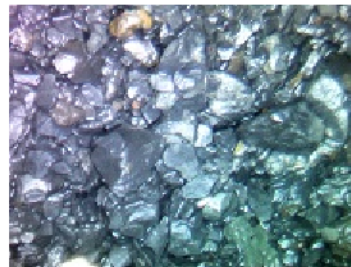
2234 Sh gry, rust, LS lt gry dns



HB 33-3 2234-1.jpg

2250

2266 Sh, gry, sm ltgln, rust

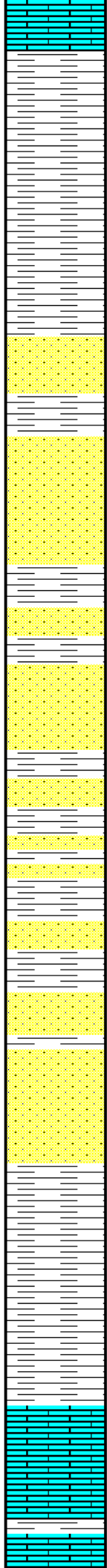


HB 33-3 2298-1.jpg

2298 Sh, gry; LS, gry, fxln

2300

2329 Sh, gry; LS, gry, fxln



2350

Iola 2324 (-1071)

2360 ShAA ; Ls cm, gry, brn, dns-fxln, fsif, pvis0

2362 Go to 15' Smpls

Layton Sd 2320 (-1067)

2394 Sh, gry, s dj ; Sd, gry, vyfngm, subrd, w srtcd, rvs0



HB 33-3 2394-1.jpg

2400

2404 Sd, wh, lt gry, fgim, subrd, w srtcd, pvis0, NS



HB 33-3 2425-1.jpg

ROP (min/ft)
Gamma (API)

3
200

2425 Sd, wh-lt gry, vfgim, subrd, w srtcd, pvis0, NS



HB 33-3 2404-1.jpg

2440 Sd, lt gry, fgim, subrd, w srtcd, mic, pvis0, NS

2433 Rotary table chain broke



HB 33-3 2440-1.jpg

2450

2457 SdAA ; Sh ltgry -gry, sm rust

GOTO30FTSMPLS



HB 33-3 2490-1.jpg

2490 Sd, wh-lt gry, vfgim, mic, sli friable p-fvis0, NS; Sh gry

2500

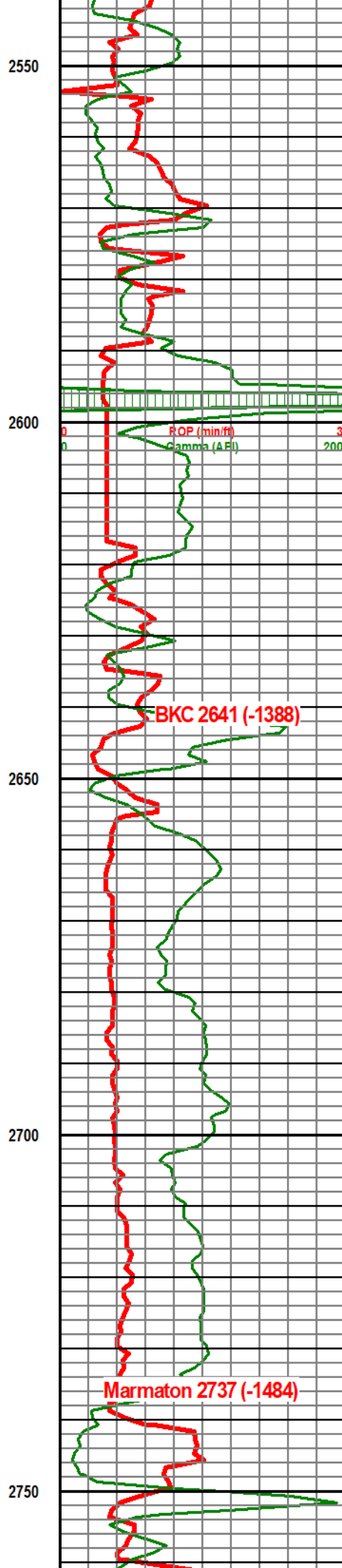
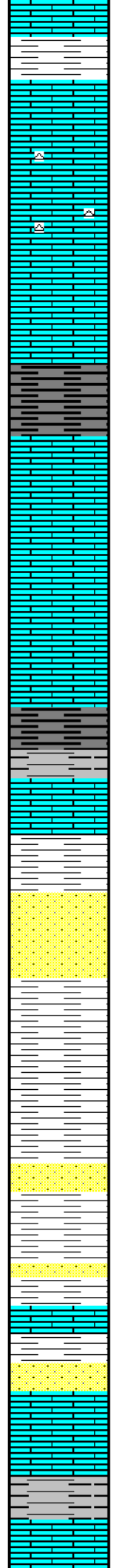
2521 Shgry, dk gry



HB 33-3 2521-1.jpg

Kansas City 2519 (-1266)

2553 Shgry, dk gry ; Ls, cm, gry, fmxln, fsif, pf ixln0, few pcs dull fir, NS



HB 33-32553-1.jpg

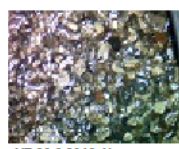
2585 Ls, cm, fxln, fsif, few pcs dull fir, N S; Sh blkish; Cht, wht, slrtp



HB 33-32585-1.jpg

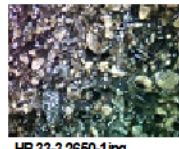
2597 LOST POWER, PA SON DOWN; ENITE RE D DR LL TME FR OM GE CLOGRAPH 5 MIN FT FROM 2597 TO 2618

2618 Ls, cm, very ground up, fxln, fw pcs dull fir, N S; Sh, gry



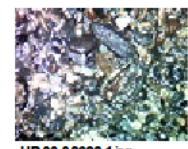
HB 33-32618-1.jpg

2650 Sh, gry, blk; Ls gry, cm, fxln, pvis0, NS



HB 33-32650-1.jpg

2682 Ls, cm, fxln, pvis0, NS; Sh, gry, dk gry



HB 33-32682-1.jpg

2717 Sh lt gry, sdy; Sd gry, vfgm, nvis0, NS



HB 33-32717-1.jpg

2714 9.3 WT33 VIS 2714 Survey 314^

2745 SdAA; sev pcs Ls, cm drs, nvis0, dull fir



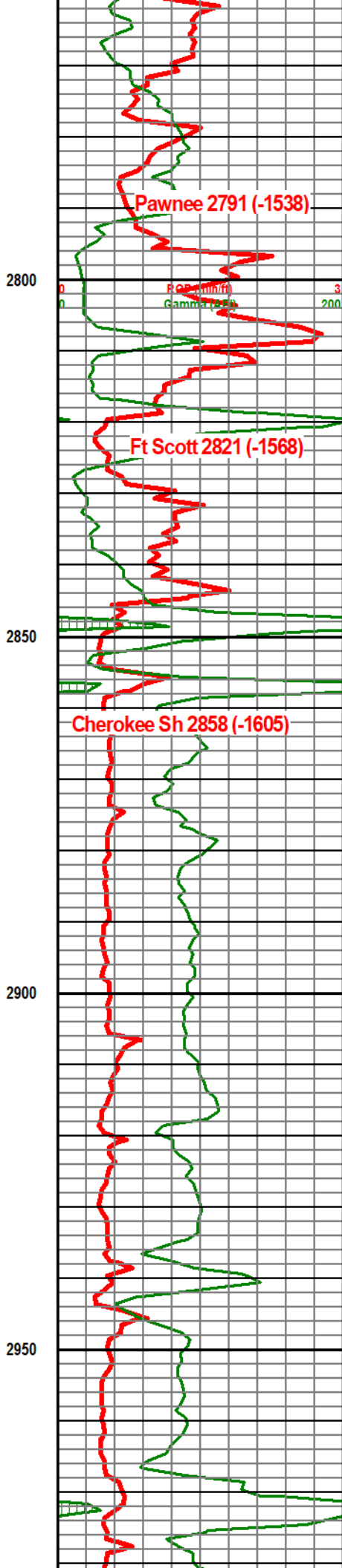
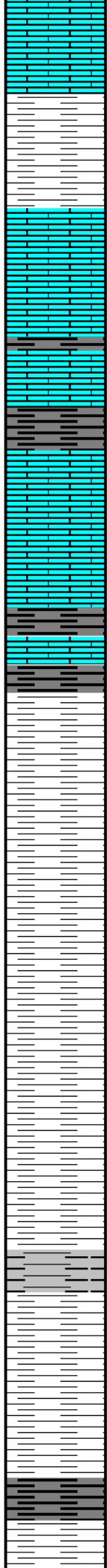
HB 33-32745-1.jpg

Dull Flour

Marmaton 2737 (-1484)

2777 Ls, cm-tan, fxln, fsif, pvis0, few pcs dull flour; Sh blk

Dull Flour



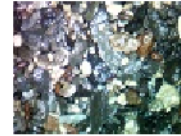
Pawnee 2791 (-1538)

2810 Sh, gry, dk gry, rust; Ls, cm, fxln, fslf, pvis0, NS



HB 33-3 2777-1.jpg

ROD (min) 3
Gamma (ppm) 200



HB 33-3 2810-1.jpg

Ft Scott 2821 (-1568)

2842 Ls, cm, fxln, sm mxln, pvis0, fslf, scattered dull flour, vy fnt odr; Sh blk

2834 VIS 36 WT9.4 LCM1.5



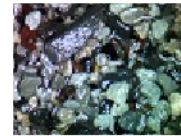
HB 33-3 2842-1.jpg

Dull, flour, vy frt odr

Cherokee Sh 2858 (-1605)

2873 NO SAMPLES

2905 Ls, cm, fxln, nvis0, scat dull flr, NS; Sd gry, vfgm, sub rd, wsrtd, p-f vis0, NS; Sh, gry



HB 33-3 2905-1.jpg

2937 Sh, gry, dk gry, rust



HB 33-3 2937-1.jpg

2969 Sh, gry, dk gry



HB 33-3 2969-1.jpg



3001 Sh, dk gry



HB 33-33001-1.jpg

3000

ROP (min/ft)
Gamma (API)

3
200

3033 Sh,lt gry, gry



HB 33-33033-1.jpg

3065 Sh gry, rust, sm blk; Dd, tn, fxl, chs, nvis 0, dull flr

3050



HB 33-33097-1.jpg



HB 33-33097dol1.jpg

3097 Sh gry, rust, lt prpl, waxy; Dol, tan od, nvis 0, dull flr

3100

Mississippi
3099 (-1846)



HB 33-33129-1.jpg

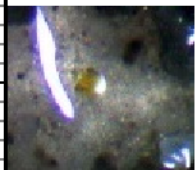


HB 33-33129cht-1.jpg



HB 33-33129 cut-1.jpg

3129 Sh gry, lt prple, sev pcs blk; cht, trip, wht, chky, fvis 0, chky, sev pcs brt flour, blk edge stn



HB 33-33161 SO-1.jpg



HB 33-33161-1.jpg



HB 33-33161 flr-1.jpg



HB 33-33161 cut-1.jpg

brt flour, gd cut

3161 cht, cm, trip, fr-gd weath 0, frt odor, blk edges tn, 20% flr, SFO, SGBOB; cht, wht, blue, frsh, shrp

3150

Flour, frt odor, SFO, SGBOB



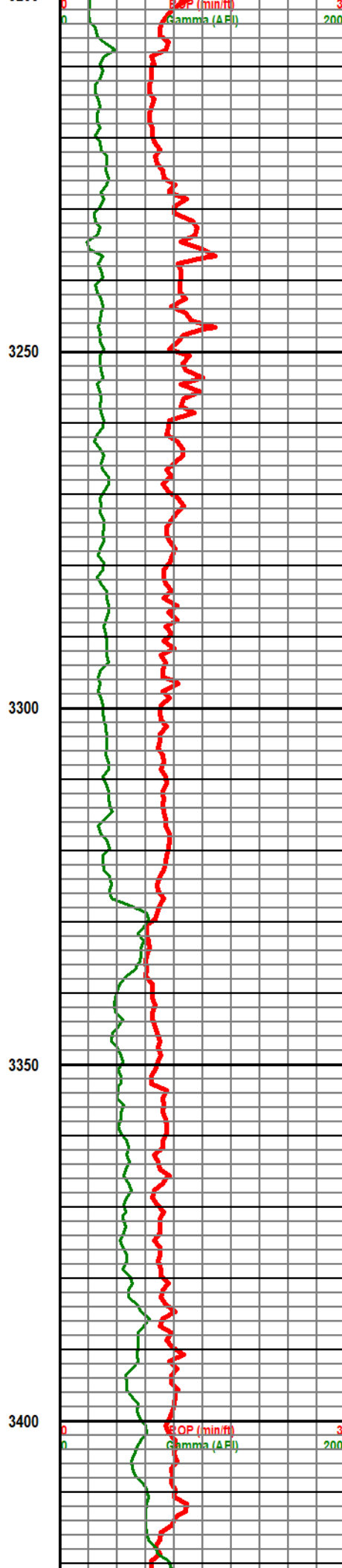
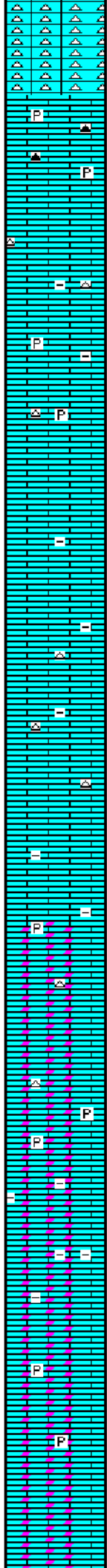
HB 33-33161-1.jpg

3193 cht AA <5% flour, frt odor, SSFO, Ls gry, f-mxl, frxl n 0,

3200

Frt Odor, SSFO





HB 33-33193-1.jpg

3213 FJD MUD 43 Vis, 9.6 wt, 2 LCM

3225 Ls, brn, f-m xln, p intxn0, xl incl, sli chty, brn s hrp pyr; sev pcs Ls, cm, f-xln p intxn0, soft, brt flr, NSFO, few pcs cht, wlt, fres h



HB 33-33275-1.jpg

3275 Ls, brn, arg, fxln, p intxn0, xl incl, pyr



HB 33-33225-1.jpg



HB 33-33290-1.jpg

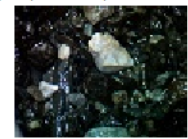
3290 Ls, brn, arg, fxln, xl incl, pyr, p intxn0, spic, NSO

3305 Ls, brn, arg, fxln, p intxn0, spic, xl incl; cht whit shrp; Sh gry

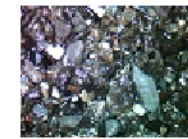


HB 33-33305-1.jpg

3320 Ls, brn, fxln, xl incl, spic, p-f intxn0, cht, sli wthrd, cht fluoresces



HB 33-33320-2-1.jpg



HB 33-33320-1.jpg

3335 Ls, brn, fxln, xl incl, fr intxn0,



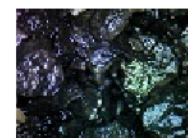
HB 33-33335-1.jpg

3350 Ls, brn, fxln, xl incl, dolm, fsif; Sh gry



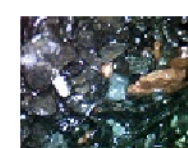
HB 33-33350-1.jpg

3380 Ls, brn, arg, fxln, dolm, AA, pyr



HB 33-33380-1.jpg

3410 Ls, brn, arg, fxln, dolm, f intxn0, pyr; sh, rd



HB 33-33410-1.jpg

3425 A A



Flour

3440 Ls, brn, arg, dolm, pyr



HB33-33440-1.jpg

Reeds Springs
3439(-2186)

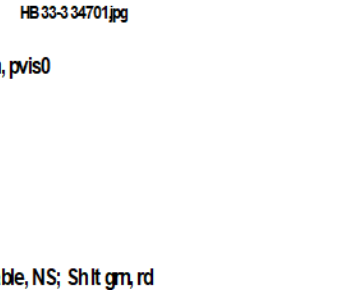
3455 Ls, gry, m-fxn, gauc, fintxln0, NS; cht, wht, fres h, xl inc l, dull fir



HB33-334701.jpg

3450

3470 Ls, wht, fxln, hrd, chty,



HB33-334701.jpg

6-4-19 2:50 PM
DTD 3480 (-2227)
LTD 3481 (-2228)

3480 Ls, Wht, mxln, frintxln0, NS; Ls, brn, fxln, pvis0

3480 CFS 15-30-45-60

3480 15 CFSA A

3500

3480 30 CFS Ls, lt gry, mxln p-f vis0, chty, friable, NS; Shlt gm, rd



HB33-3348030CFS-1.jpg

3480 45 and 60 CFS Same as above

3480 Survey 34^

3550

SNR KANSAS OPERATING, LLC
HE NDER SON BOLANDE R 33-3
SE CT 33, TWP 33s, RGE 5E
COWLEY CO, KS

3600

810 E 7TH
 PO Box 92
 EUREKA, KS 67045
 (620) 583-5561



Cement or Acid Field Report
 Ticket No. **4462**
 Foreman David Gardner
 Camp Eureka

API# 15-035-24703

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
6-1-19	1322	Henderson - Bolander #33.3	33	32 S.	5 E.	Cowley	KS
Customer			Unit #	Driver	Unit #	Driver	
SNR Kansas Operating, LLC			105	Zevi			
Mailing Address			112	Steve			
301 NW 63 rd Street Ste 400							
City	State	Zip Code					
Oklahoma City	OK	73116					

Job Type Surface Hole Depth 218' Slurry Vol. 33 Bbl Tubing _____
 Casing Depth 210.69' Hole Size 12 1/4" Slurry Wt. 15[#] Drill Pipe _____
 Casing Size & Wt. 8 5/8" 24[#] Cement Left in Casing 15' +/- Water Gal/SK 6.5 Other _____
 Displacement 12 3/4 Bbl Displacement PSI _____ Bump Plug to _____ BPM 5

Remarks: Safety Meeting. Rig up to 8 5/8" casing. Break circulation w/ 10 Bbl fresh water. Mixed 140 sks Class 'A' Cement w/ 3% Cacl2, 2% Gel, & 1/4[#]/sk Floseal @ 15[#]/gal, yield 1.35 = 33 Bbl slurry. Displace w/ 12 3/4 Bbl fresh water. Shut down. Close casing in. Good cement returns to surface = 5 Bbl slurry to pit. Job complete. Rig down.

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C101	1	Pump Charge	890.00	890.00
C107	80	Mileage	4.20	336.00
C200	140 SKS	Class 'A' Cement	15.75	2205.00
C205	400 [#]	Cacl2 @ 3%	.63	252.00
C206	260 [#]	Gel @ 2%	.21	54.60
C209	35 [#]	Floseal @ 1/4 [#] /sk	2.35	82.25
C108B	6.58 Tons	Ton Mileage - Bull Truck	1.10	736.90
<i>Thank You</i>				
			Sub Total	4,556.81
			Less 5%	236.27
			Sales Tax	1168.60
Authorization <u>[Signature]</u> Title _____			Total	4,489.14

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.

810 E 7TH
 PO Box 92
 EUREKA, KS 67045
 (620) 583-5561



Cement or Acid Field Report
 Ticket No. **4532**
 Foreman David Gardner
 Camp Eureka

API # 15-035-24703

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
6-5-19	1322	Henderson-Bolander # 33-3	33	32 S.	5 E.	Cowley	KS
Customer		Safety Meeting	Unit #	Driver	Unit #	Driver	
SNR Kansas Operating, LLC		D6	105	Jason			
Mailing Address		JH	114	Josh			
301 NW 63 Rd Street Ste 400		JV	120	David + Zevi			
City		ZH					
Oklahoma City	OK	Zip Code					
		73116					
		www					
		DRLG.					

Job Type <u>Longstring</u>	Hole Depth <u>3480'</u>	Slurry Vol. <u>64 Bbl in well</u>	Tubing _____
Casing Depth <u>3478.80'</u>	Hole Size <u>7 7/8"</u>	Slurry Wt. <u>13.6[#]</u>	Drill Pipe _____
Casing Size & Wt. <u>5 1/2" 1550[#]</u>	Cement Left in Casing <u>11'</u>	Water Gal/SK <u>9.0</u>	Other _____
Displacement <u>82 1/2 Bbl</u>	Displacement PSI <u>1000</u>	Bump Plug to <u>1500</u>	BPM <u>5</u>

Remarks: Safety Meeting. 5 1/2" casing set @ 3478.80'. 5 1/2" AFU Flapper Valve Insert in 5 1/2" Float Body collar on top of 10' Shoe Joint. Rig up to 5 1/2" casing. Break circulation w/ 15 Bbl fresh water. Mixed 200 sks Thick Set Cement w/ 5" Kolseal/sk, 2" Phenoseal/sk, + 1/4% CFL-115 @ 13.6[#]/gal, yield 1.80 = 64 Bbl Slurry. Wash out pump & lines. Shut down. Release 5 1/2" Latch Down Plug. Displace plug to seat w/ 82 1/2 Bbl fresh water. Final pumping pressure of 1000 PSI. Bump plug to 1500 PSI. Release pressure. Float & Plug held good. Good circulation @ all times while cementing. Job complete. Rig down.

Plug R.H. w/ 25 sks cement
 Centralizers on # 1, 3, 5, 9, 13, 21, 31 Baskets on # 2, 18

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C102	1	Pump Charge	1100.00	1100.00
C107	80	Mileage	4.20	336.00
C201	225 sks	Thick Set Cement	20.50	4612.50
C207	1125 [#]	Kolseal @ 5 [#] /sk	.47	528.75
C208	450 [#]	Phenoseal @ 2 [#] /sk	1.30	585.00
C211	50 [#]	CFL-115 @ 1/4 %	11.00	550.00
C108B	12.375 Tons	Ton Mileage - Bulk Truck	1.40	1386.00
C691	1	5 1/2" Guide Shoe	175.00	175.00
C703	1	5 1/2" AFU Flapper Valve Insert	152.00	152.00
C681	1	5 1/2" Float Collar Body Only	215.00	215.00
C511	7	5 1/2" Turbo Centralizers	66.00	462.00
C604	2	5 1/2" Cement Baskets	236.00	472.00
C421	1	5 1/2" Latch Down Plug	242.00	242.00
C222	5 gals	KCL (in 1 st 40 Bbl Displacement water)	30.00	150.00
C781	7	5 1/2" Stop Collar	32.00	224.00
		Sub Total		11,190.25
		Less 5%		586.71
		Sales Tax		543.94
		Total		11,147.48

Authorization _____

Title _____

Total

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.