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

Well Name: McCall B#1
Location: Graham County
License Number: API #15-065-24,096-0000
Spud Date: 1/28/15
Surface Coordinates: Section 16, Township 9 South, Range 22 West
2,310' FSL & 665' FEL
Bottom Hole Coordinates: Vertical well with minimal deviation, same as above
Ground Elevation (ft): 2,328' K.B. Elevation (ft): 2,333'
Logged Interval (ft): 3,300' To: RTD Total Depth (ft): 4,010'
Formation: LKC, Arbuckle
Type of Drilling Fluid: Chemical (Mud Co.)

Region: Kansas
Drilling Completed: 2/4/15

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

OPERATOR

Company: John O. Farmer, Inc.
Address: 370 W. Wichita Ave
Russell, KS 67665

Comments

The McCall B #1 well was drilled by WW Rig #6 (Tool Pusher: Mark Biggie).

The location for the McCall B #1 well was found via 3-D seismic survey. Geologic samples were collected and evaluated from 3,300'-4,010'. Structurally, the McCall B #1 ran 20' high to our correlation well, Walker #2 (Peel Hardman), at the Lansing. Two bottom-hole tests were attempted in the LKC C-D, packer failures occurred during each test. Two additional bottom-hole tests were conducted in the LKC F & H-K, both yielding negative results. The Arbuckle horizon was picked 29' high to the Walker #2, 1,850' to the northwest. Upon completion of the logging operation a straddle test was conducted in the Arbuckle, yielding negative results. Upon completion of the drill stem test, the decision was made to plug and abandon the McCall B #1 well on 2/4/15.

ROCK TYPES

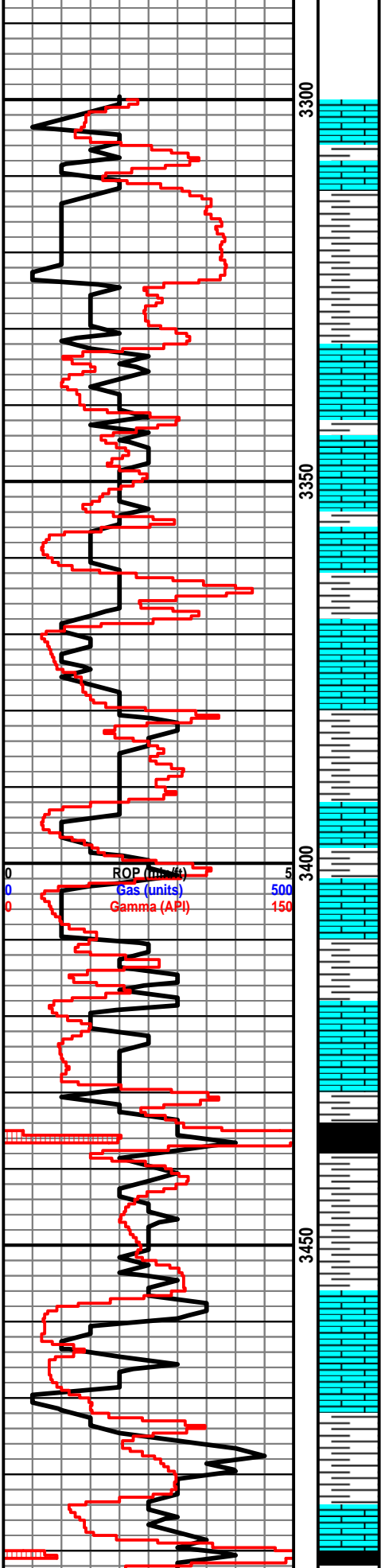
Anhy	Clyst	Gyp	Mrlst	Shgy
Bent	Coal	Igne	Salt	Slstst
Brec	Congl	Lmst	Shale	Ss
Cht	Dol	Meta	Shcol	Till

OTHER SYMBOLS

POROSITY	<input checked="" type="checkbox"/> Vuggy	ROUNDING	<input checked="" type="checkbox"/> Spotted	EVENT
<input type="checkbox"/> Earthy	SORTING	<input type="checkbox"/> Rounded	<input type="checkbox"/> Ques	<input type="checkbox"/> Rft
<input type="checkbox"/> Fenest	<input type="checkbox"/> Well	<input type="checkbox"/> Subrnd	<input type="checkbox"/> Dead	<input type="checkbox"/> Sidewall
<input type="checkbox"/> Fracture	<input type="checkbox"/> Moderate	<input type="checkbox"/> Subang	INTERVAL	
<input type="checkbox"/> Inter	<input type="checkbox"/> Poor	<input type="checkbox"/> Angular	<input type="checkbox"/> Core	
<input type="checkbox"/> Moldic		OIL SHOW	<input type="checkbox"/> Dst	
<input type="checkbox"/> Organic		<input type="checkbox"/> Even		
<input type="checkbox"/> Pinpoint				

Curve Track 1			Depth	Lithology	Oil Shows	Geological Descriptions	DST/Mud/Survey																					
ROP (min/ft)	Gas (units)	Gamma (API)																										
0	0	0	31			The open-hole logging was performed by Mr. Gus Pfannenstiel with Gemini Wireline, LLC (Hays, KS). Logs included: Compensated Density/Compensated Neutron, Dual Induction, and Microresistivity logs. Formation tops and datums from the open-hole logs include the following:	Tester: Brett Dickinson Mud Engineer: Gray Schmidtberger																					
5	500	150	31																									
0	0	0	3200			<table border="1"> <tr><td>Anhydrite</td><td>1859</td><td>474</td></tr> <tr><td>Topeka</td><td>3333</td><td>-1000</td></tr> <tr><td>Heebner</td><td>3550</td><td>-1217</td></tr> <tr><td>Lansing</td><td>3590</td><td>-1257</td></tr> <tr><td>B/KC</td><td>3810</td><td>-1477</td></tr> <tr><td>Arbuckle</td><td>3942</td><td>-1609</td></tr> <tr><td>LTD</td><td>4010</td><td>-1677</td></tr> </table>	Anhydrite	1859	474	Topeka	3333	-1000	Heebner	3550	-1217	Lansing	3590	-1257	B/KC	3810	-1477	Arbuckle	3942	-1609	LTD	4010	-1677	
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0	0	0	3250																									
							1/28/15 @ 7:45pm Spud																					
							1/29/15 @ 7:00am 470', Drilling																					
							1/30/15 @ 7:00am 2,279', Drilling																					
							1/31/15 @ 7:00am 3,103', Drilling																					
							2/1/15 @ 7:00am 3,654', Short Trip																					
							2/2/15 @ 7:00am 3,682', DST #3																					
							2/3/15 @ 7:00am 3,806', DST #4																					

2/4/15 @ 7:00am
4,010', DST #5



Ls: tan-lt brn, fn xln, fossil, DNS, scat pyrite

Ls: ala

Sh: drk gry-brn

Topeka 3333' (-1000)

Ls: tan-gry, fn xln, no visible porosity, scat chert-off wh

Ls: ala

Ls: tan-brn, fn xln, mostly DNS

Sh: gry-brn

Ls: tan-lt brn, fn xln, scat int xln porosity, mostly barren, no odor, scat chert-off wh-gry

Sh: drk gry-brn

Ls: tan-brn, fn xln, fossil, mostly DNS

Sh: lt gry-drk gry-brn

Sh: gry

Ls: tan-lt brn-gry, fn xln, DNS, scat chalky

Ls: ala

Sh: blk, carb

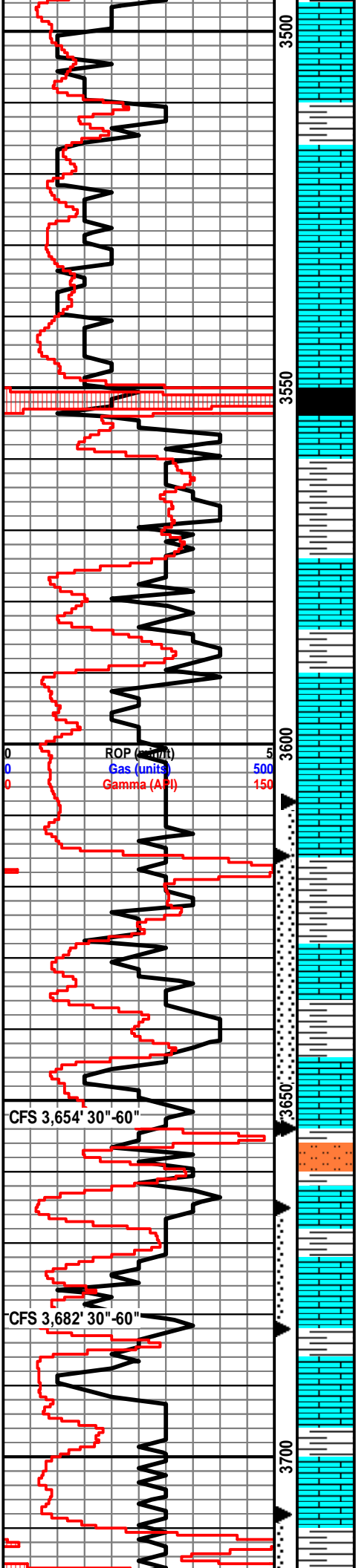
Sh: gry-brn-grn

Ls: tan-brn-gry, fn xln, DNS

Sh: drk gry-brn

Ls: tan-lt brn, fn xln, scat pp vuggy porosity, mostly barren, scat chert-off wh

Sh: blk, carb



Ls: brn-gry, fn xln, mostly DNS

Ls: off wh-tan, fn xln, fossil, poor int fossil porosity, barren, scat chert-off wh

Ls: brn-tan, fn xln, fossil, mostly DNS, chalky

Ls: off wh-tan, fn xln, poor vuggy porosity, scat oil st, NSFO, no odor

Ls: ala

Heebner 3554' (-1221)

Sh: blk, carb, fissile

Ls: tan-brn, fn xln, DNS, chalky

Sh, Slst: gry-brn-grn

Toronto 3577' (-1244)

Ls: tan-lt gry, fn xln, mostly DNS, scat chert-off wh, barren

Lansing 3591' (-1258)

Ls: tan-brn, fn xln, fossil ool, poor ool porosity, mostly barren, scat chalky

ROP (ft/min)
Gas (units)
Gamma (API)

5
500
150

Ls: off wh-tan, fn-md xln, vry DNS, no visible porosity, scat chert-off wh, chalky

Sh: drk gry-blk

Ls: off wh-tan, fn xln, fair int xln & scat pp vuggy porosity, fair oil sat, SSFO, fair odor

Sh: drk gry-brn

Ls: off wh-tan, fn xln, poor-fair int xln & vuggy porosity, scat-fair oil st, NSFO, no odor, chalky

CFS 3,654' 30"-60"

Sh, Slst: gry-brn-grn, soft

Ls: tan-brn, fn xln, DNS

Sh: drk gry-brn

Ls: off wh-tan, fn xln, fair vuggy & int xln porosity, fair oil st in porosity, SSFO, sl odor, dull yel fluor

CFS 3,682' 30"-60"

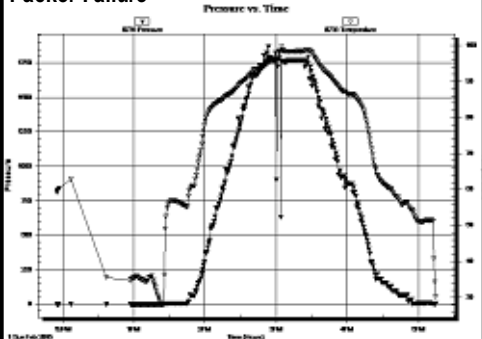
Ls: off wh-tan-lt gry, fn-md xln, vry DNS, no visible porosity, hvly chert-off wh

Sh: scat drk gry-brn-grn

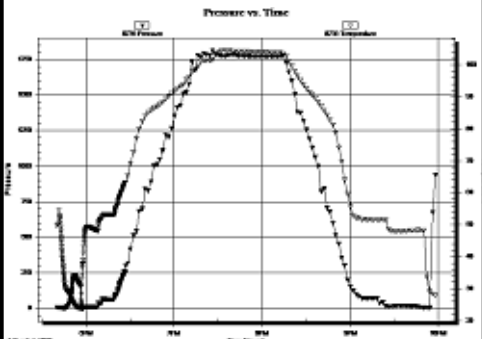
Ls: tan-lt gry, fn-md xln, mostly DNS, scat chert-off wh-gry

Sh: blk carb fissile

DST #1 3,616'-3,654' (LKC C-D)
Packer Failure

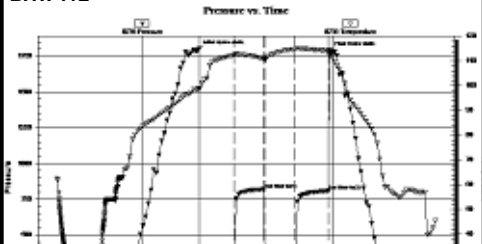


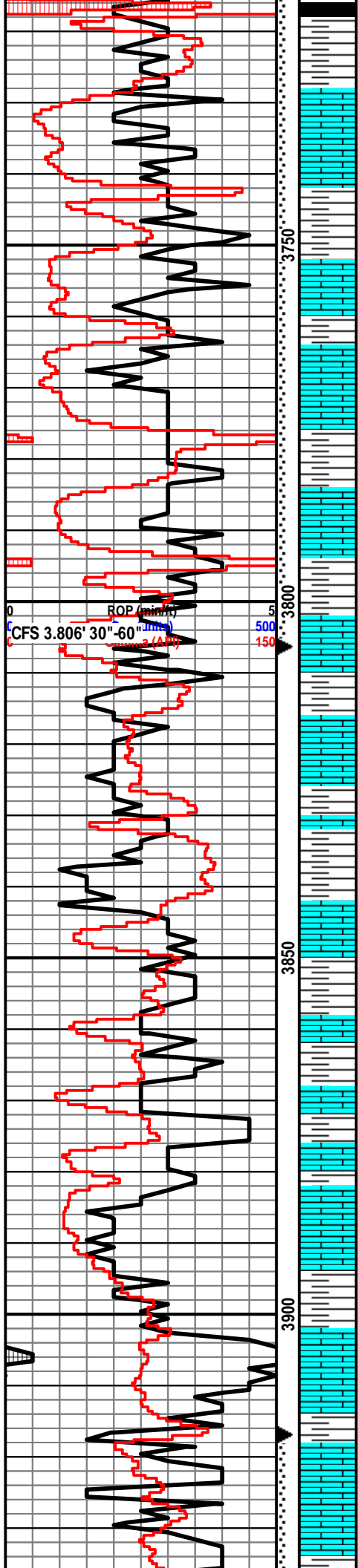
DST #2 3,608'-3,654' (LKC C-D)
Packer Failure



DST #3 3,665'-3,682' (LKC F)
30"-30"-30"-30"

IF: BOB in 29 minutes, no blow back
FF: weak blow built to 8", no blow back
Rec: 250' MCW (5% M, 95% W)
FP: 21-99, 102-137#
SIP: 818-809#
HP: 1,792-1,785#
BHT: 112





Sh: drk, carb, fissile

Sh: drk gry-brn-grn

Ls: off wh-tan, fn-md xln, poor int xln porosity, NSFO, no odor, mostly DNS, hvy chert-off wh

Sh: lt gry-drk gry

Ls: tan-lt brn, fn-md xln, fossil, ool, scat ool porosity, sl oil st in porosity, NSFO, no odor

Ls: tan-lt gry-brn, fn xln, scat pp vuggy porosity, sl oil st in porosity, NSFO, no odor

Sh: drk gry-brn

Ls: off wh-tan, fn-md xln, fossil, ool, fair ool porosity, fair-good sat in porosity, FSFO, fair-good odor

Ls: off wh-tan, fn xln, fossil, ool, poor-fair ool porosity, fair oil sat in porosity, SSFO, vry lt odor

B/KC 3811' (-1479)

Sh: gry-brn-grn

Ls: tan-lt gry, fn xln, mostly DNS

Sh: drk gry-brn-grn, soft

Ls: tan-drk brn, fn xln, DNS, hvy chert-off wh

Ls: ala, sl fossil

Ls: ala, mottled, DNS

Ls: tan-drk brn-gry, fn xln, DNS

Sh: drk gry

Ls: off wh-tan, fn xln, vry DNS, orange

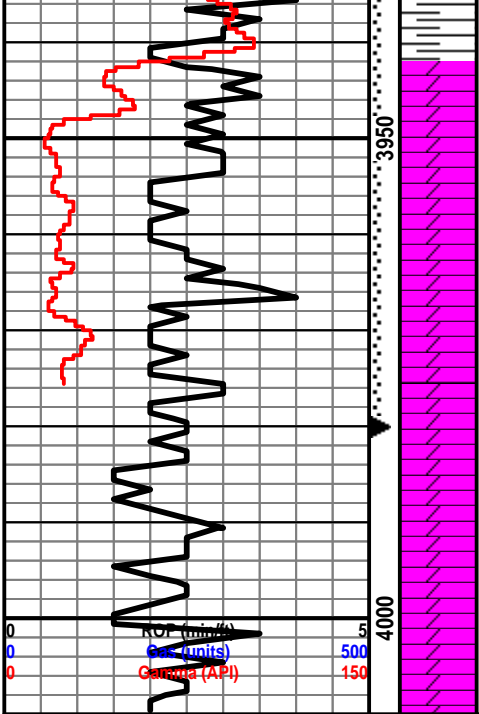
Sh: drk brn-rd

Ls: tan-brn, fn xln, vry DNS, hvy chert-off wh

Ls: ala

DST #4 3,708'-3,806' (LKC H-K)
 30"-30"-30"-30"
 IF: weak blow built to 1.75"
 FF: weak surface blow
 Rec: 15' Mud
 FP: 51-54, 56-58#
 SIP: 474-320#
 HP: 1,857-1,835#
 BHT: 103

DST #5 3,917'-3,980' (Top 32' Arbuckle)
 15"-15"-15"-15"
 IF: BOB in 1.5 minutes, surface blow back
 FF: BOB in 1.5 minutes, no blow back
 Rec: 1,325' MCW (30% Mud, 70% W) - cl 25,000 ppm



Sh: drk gry-brn-grn
Arbuckle 3945' (-1612)

Dolo: off wh-tan, fn-md xln, poor int xln porosity, fair-good oil sat, SSFO, sl-fair odor

Dolo: off wh-tan-brn, fn-md xln, poor-fair int xln porosity, good oil sat, GSFO, good odor, fair yel fluor

Dolo: off wh-tan, fn-md xln, poor int xln porosity, good oil sat, FSFO, good odor, dull yel fluor

Dolo: off wh-tan, fn xln, scat int xln porosity, scat oil sat, SSFO, sl odor

Dolo: ala

ppm
 FP: 129-486, 498-1,149#
 SIP: 1,135-1,149#
 HP: 2,005-1,961#
 BHT: 122

