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

Well Name: Beckman #11-1
Location: Graham County
License Number: API #15-065-24050-00-00
Spud Date: 7/10/14
Surface Coordinates: Section 11 - Township 11 South - Range 24 West
2,310' FNL & 2,310' FEL
Bottom Hole Coordinates: Vertical well with minimal deviation, same as above
Ground Elevation (ft): 2,460' K.B. Elevation (ft): 2,468'
Logged Interval (ft): 3,400 To: RTD Total Depth (ft): 3,895'
Formation: LKc
Type of Drilling Fluid: Chemical (Andy's)

Region: Kansas
Drilling Completed: 7/17/14

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

OPERATOR

Company: H&C Oil Operating, Inc.
Address: P.O. Box 86
Plainville, KS 67663

GEOLOGIST

Name: Austin Klaus
Company: John O. Farmer, Inc.
Address: P.O. Box 352
Russell, KS 67665

Comments

The Beckman #11-1 well was drilled by Discovery Drilling Rig #1 (Tool Pusher: Cliff Mayfield).

The location for the Beckman #11-1 was found via 3D seismic survey. Geologic samples were collected and examined from 3,400'-RTD. Shows were encountered in the Lansing C, E, H, & J zones. Structurally, the Beckman #11-1 well ran 1' high to the comparison well (Simmonds #1). Upon encountering shows in the C zone a bottom hole test was conducted yielding negative results. Additionally, two other bottom hole tests were conducted, covering the E-F and H-J zones respectively, each of these tests yielded negative results. After all sample, log, and drill stem test data was collected and evaluated it was recommended that H&C Oil Operating, Inc. plug and abandon the Beckman #11-1 well on 7/17/14.

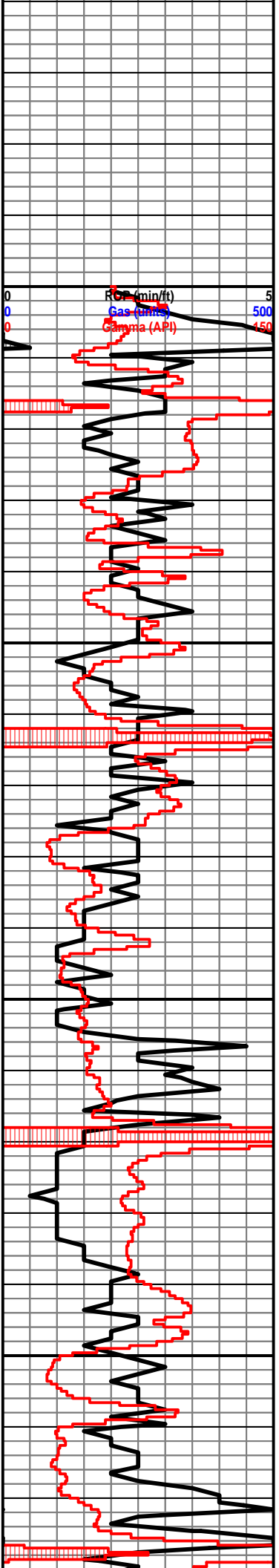
ROCK TYPES

 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 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"/> Subrnd	<input type="checkbox"/> Dead	<input type="checkbox"/> Sidewall
<input type="checkbox"/> Fracture		<input type="checkbox"/> Subang	INTERVAL	<input type="checkbox"/> Core
<input type="checkbox"/> Inter		<input type="checkbox"/> Angular		<input type="checkbox"/> Dst
<input type="checkbox"/> Moldic	<input type="checkbox"/> Well	OIL SHOW		
<input type="checkbox"/> Organic	<input type="checkbox"/> Moderate	<input type="checkbox"/> Even		
<input type="checkbox"/> Pinpoint	<input type="checkbox"/> Poor			

Curve Track 1 ROP (min/ft) ——— Gas (units) - - - - - Gamma (API) ———	Depth	Lithology	Oil Shows	Geological Descriptions	DST/Mud/Survey																																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">0</td> <td style="width: 10%;">ROP (min/ft)</td> <td style="width: 10%;">5</td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> </tr> <tr> <td>0</td> <td>Gas (units)</td> <td>500</td> <td></td> <td></td> <td></td> </tr> <tr> <td>0</td> <td>Gamma (API)</td> <td>150</td> <td></td> <td></td> <td></td> </tr> </table>	0	ROP (min/ft)	5				0	Gas (units)	500				0	Gamma (API)	150							<p>The open-hole logging was performed by Mr. Y. Ruiz with Pioneer Wireline, LLC (Hays, KS). Logs included: Compensated Density/Compensated Neutron, Dual Induction, and Micro Resistivity.</p> <p>Formation tops and datums from the open-hole logs include the following:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Formation</th> <th>E-Log</th> <th>Datum</th> </tr> </thead> <tbody> <tr><td>Anhydrite</td><td>2102</td><td>366</td></tr> <tr><td>Topeka</td><td>3427</td><td>-959</td></tr> <tr><td>Heebner</td><td>3626</td><td>-1158</td></tr> <tr><td>Toronto</td><td>3649</td><td>-1181</td></tr> <tr><td>Lansing</td><td>3666</td><td>-1198</td></tr> <tr><td>B/KC</td><td>3850</td><td>-1382</td></tr> <tr><td>LTD</td><td>3901</td><td>-1433</td></tr> </tbody> </table>	Formation	E-Log	Datum	Anhydrite	2102	366	Topeka	3427	-959	Heebner	3626	-1158	Toronto	3649	-1181	Lansing	3666	-1198	B/KC	3850	-1382	LTD	3901	-1433	Mud Engineer: Aaron Blew Tester: Jim Svaty
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7/11/14 @ 5:30pm Plug Down	3300																																														
7/12/14 @ 7:00am Drlg, 806'																																															
7/13/14 @ 7:00am Drlg, 2,490'																																															
7/14/14 @ 7:00am Drlg, 3,265'																																															
7/15/14 @ 7:00am DST #1																																															
7/16/14 @ 7:00am Drlg, 3,736'																																															
7/17/14 @ 7:00am Logging	3350																																														



3400
3450
3500
3550

Ls: off wh, fn-md xln, mostly DNS

Sh: gry

Topeka 3424' (-956)

Ls: off wh-tan, fn-md xln, scat fossil, sl chalky

Ls: ala

Ls: off wh-lt gry, fossil, scat int xln porosity, NSFO

Ls: tan-lt gry, fn-md xln, fossil, fair int xln porosity, scat oil st, NSFO

Sh: lt gry-drk gry

Ls: ala, mostly DNS

Ls: off wh-lt gry, fn xln, scat fossil, chert-off wh-tan, NSFO

Sh: drk gry-brn, scat ls

Ls: tan-lt gry, fn-md xln, scat int xln porosity, scat chalky

Sh: blk, carb

Sh: ala

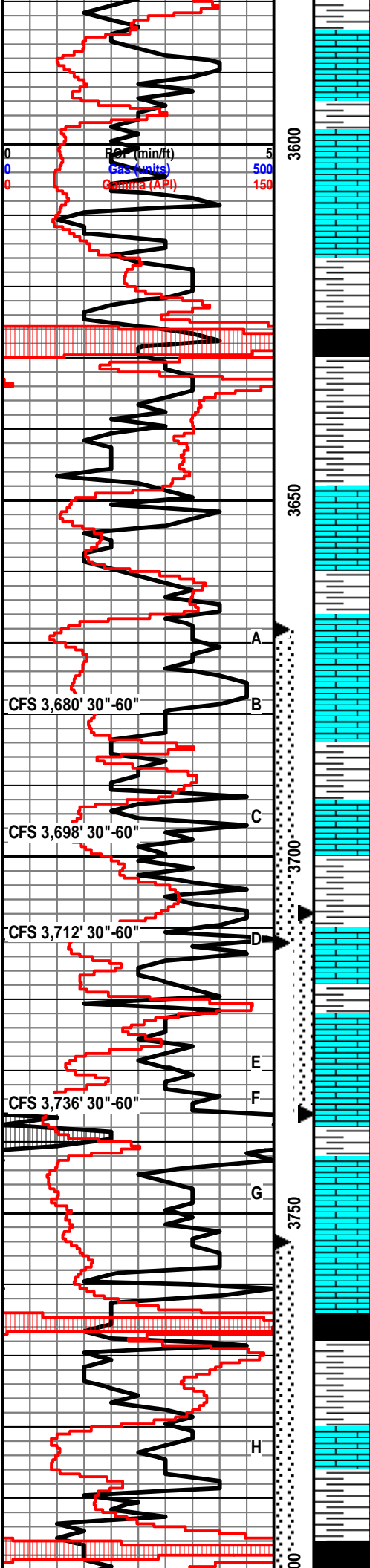
Ls: off wh-tan, fossil, scat vuggy porosity, scat chalk, NSFO

Sh: drk gry-blk

Ls: off wh, fossil, scat vuggy porosity, chalky, chert-off wh-brn

Sh: blk, carb

Wt: 8.8
Vis: 73



Ls: tan-lt gry, md xln, fossil, fair vuggy porosity, chalky, NSFO

Ls: tan-lt gry, fn-md xln, fossil, poor vuggy porosity, chalky, NSFO

Ls: ala

Heebner 3621' (-1153)

Sh: blk, carb, fissile

Sh: drk gry-brn

Toronto 3646' (-1178)

Ls: off wh, fn-md xln, poor-fair int xln porosity, scat oil st, chalky, scat chert-off wh, NSFO, no odor

Sh: gry

Lansing 3662' (-1194)

Ls: off wh-tan, fn-md xln, scat pp vuggy porosity, NSFO, no odor

Ls: off wh, fn-md xln, poor vuggy porosity, NSFO

Sh: gry-brn

Ls: off wh, fn-md xln, fossil, fair vuggy porosity, fair-good sat, fair show hvy oil, fair odor, hvy chert-off wh

Sh: drk gry-blk

Ls: off wh-tan, fn-md xln, mostly DNS, NSFO, no odor

Sh: drk gry

Ls: off wh, fn-md xln, fossil, fair vuggy porosity, SSFO, fair sat, scat chalk, fair odor

Ls: off wh, fn xln, poor int xln porosity, mostly barren, NSFO, no odor,

Sh: gry

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

Ls: off wh-tan, fn-vry fn xln, mostly DNS, no visible porosity, NSFO

Sh: blk, carb

Sh: drk gry-drk brn

Ls: off wh-tan, fn-md xln, fossil, poor int xln porosity, scat fair oil st, SSFO, sl odor

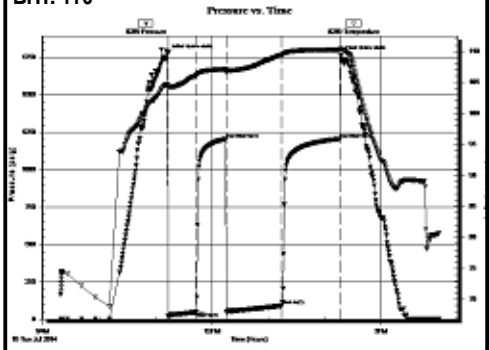
Sh: lt gry-brn

Sh: drk gry-blk

Wt: 9.0
Vis: 63

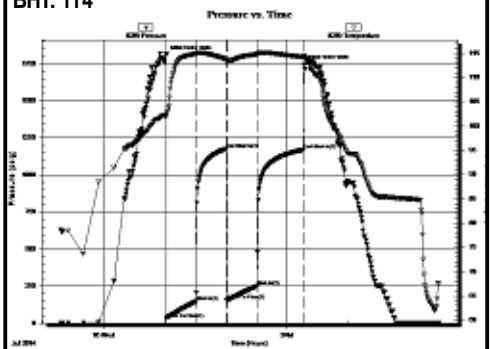
DST #1 3,668'-3,712' (Lansing C&D)
30"-30"-60"-60"

IF: Surface blow, built to 5.5", no blow back
FF: Surface blow, built to 8", no blow back
Rec: 155' MCW (40%M, 60%W)
FP: 19-49, 50-91#
SIP: 1,205-1,206#
HP: 1,774-1,764#
BHT: 110



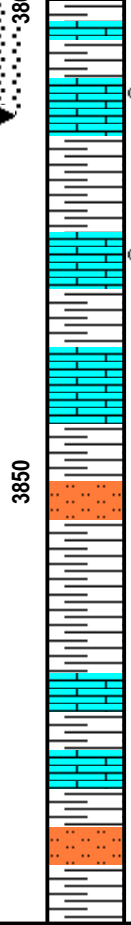
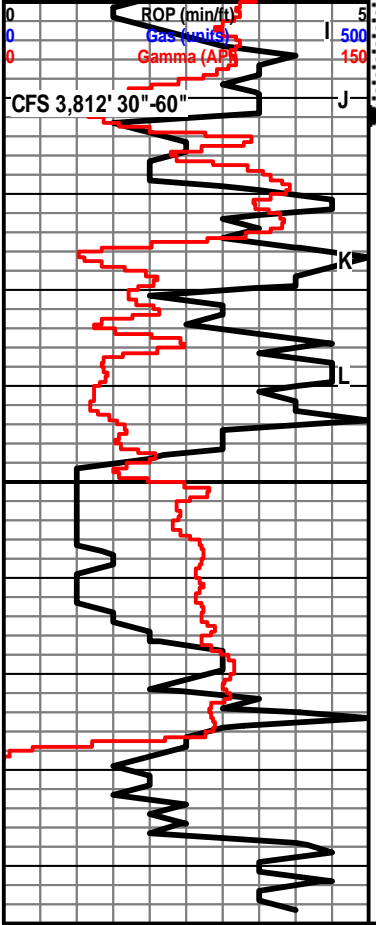
DST #2 3,708'-3,736' (Lansing E&F)
30"-30"-30"-45"

IF: BOB in 9 minutes, no blow back
FF: BOB in 12 minutes, no blow back
Rec: 505' MCW (5%M, 95%W)
FP: 29-147, 157-251#
SIP: 1,174-1,170#
HP: 1,808-1,744#
BHT: 114



DST #3 3,764'-3,812' (Lansing H-J)
30"-30"-30"-30"

IF: Surface blow, built to 3/4", died back in 15 minutes, no blow back
FF: Good surge on open, surface blow died in 15 minutes, no blow back
Rec: 3' Oil Speck Mud
FP: 20-26, 28-32#
SIP: 1,140-1,100#
HP: 1,854-1,753#
BHT: 110



Ls: off wh-tan, fn-md xln, fossil, poor pp vuggy porosity, fair oil sat, scat SFO, fair odor

Sh: drk gry

Ls: off wh, ool, scat fossil, poor vuggy porosity, fair oil sat, VSSFO, sl-fair odor, scat chalky

Sh: drk gry

Ls: off wh-tan, fn xln, vry DNS, no visible porosity, NSFO
B/KC 3844' (-1376)

Sh: drk brn-drk rd-gry

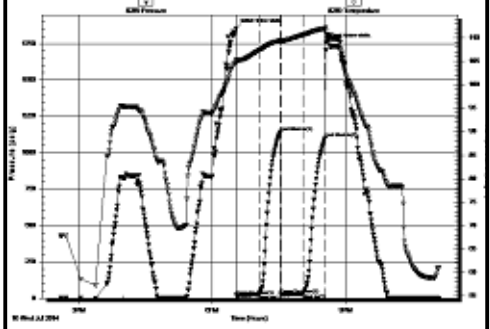
Sh: ala

Ls: off wh-tan, fn-md xln, mtd, scat chert-off wh-tan

Ls: ala

Sh: drk gry-drk rd-brn

BHI: 112



Wt: 9.0
 Vis: 60

Respectfully Submitted,