



Fueling American
Prosperity™

Oil and Gas Well Drilling

3137 Virginia Rd, Wellsville KS 66092

Owners: Clay Hughes

Isaac Burbank

Phone: (785) 979-9493

(913) 963-9127

Fax: (785) 883-2305

Well Log

HB Energy, LLC

HB Well #: HB 2

Sec. 34 Twp. 16 Rng. 21

Franklin County

FSL: 1510 FEL: 1575

API: 15-059-27000

Start: 04/29/15

End: 05/02/15

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>	
7	Soil & Clay	7	
2	Broken Lime	9	
11	Shale	20	
27	Lime	47	
71	Shale	118	
20	Lime	138	
7	Shale	145	
11	Sand	156	Grey, approximately 3 gal/minute fresh water
11	Shale	167	
8	Lime	175	
29	Shale	204	
8	Lime	212	
3	Shale	215	
2	Lime	217	
17	Shale	234	
25	Lime	259	Making some water, oil show
8	Shale	267	
22	Lime	289	
5	Shale	294	
3	Lime	297	
4	Shale	301	
5	Lime	306	Base of the Kansas City / Hertha
22	Shale	328	
1	Sand	329	Hard
4	Sand	333	Grey, making some gas
116	Shale	449	
6	Lime	455	
4	Shale	459	
6	Lime	465	
3	Shale	468	
6	Lime	474	
37	Shale	511	

HB Lease #HB 2

5	Lime	516	
4	Broken Sand	520	Brown sand & limey sand, good bleed
2	Broken Sand	522	20% brown sand, 80% shale, light bleed
10	Shale	532	
3	Lime	535	Brown, no oil
6	Shale	541	
3	Lime	544	
9	Shale	553	
1	Lime	554	
8	Shale	562	
3	Lime	565	
3	Shale	568	Black
1	Lime	569	Brown, some porosity, good bleed
3	Lime	572	Sandy brown lime, very soft, very good bleed
2	Lime	574	Brown, light show, hard
7	Shale	581 CP	
2	Broken Sand	583	90% light brown sand, 10% shale, no oil
4.5	Sand	587.5	Light brown, no oil
.5	Lime	588	
2.5	Sand	590.5	Light brown, no oil
7	Broken Sand	597.5	25% brown sand, 75% shale, gassy, fair oil show
6	Silty Shale	604	
2	Broken Sand	606	Brown sand & shale, no oil
21	Shale	627	
1	Lime & Shells	628	
11	Shale	639	
2	Lime & Shells	641	
1	Shale	642	
3	Silty Shale	645	
7	Shale	652 CP	
1	Broken Sand	653	75% brown sand, 25% shale, light bleed
5.5	Shale	658.5	
.5	Broken Sand	659	20% brown sand, 80% shale, light bleed
53	Shale	712	
3	Sandy Shale	715	No oil
1	Sand	716	Brown, no oil
10	Shale	726	
7	Sand	733	Brown, no oil
25	Shale	758	
		TD	

Drilled an 11" hole to 21'
Drilled a 5 5/8" hole to 758'

04/29/15 set 21' of 7" surface casing, cemented with 8 sacks of cement.

04/30/15 Cored 1st Squirrel zone.

04/30/15 Cored 2nd/3rd Squirrel zones.

05/01/15 The open hole below permanent casing (657'-758') was filled with cement by Consolidated Oil Well Services, prior to cementing permanent casing.

05/01/15 set 657' of 2 7/8" 8 round upset tubing including 3 centralizers, 1 clamp, 1 float-shoe, and baffle.
Baffle set at 627'



PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT CEMENT

TICKET NUMBER 50955
LOCATION Oklawaha, KS
FOREMAN Casey Kennedy

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5/11/15	3645	H2 #4B-2	SE34	16	21	FR
CUSTOMER						
AB Energy						
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
3131 Virginia Rd			467	Kei Car	✓ Safety	Meeting
			259	Gascon	✓	
CITY			570	Gar Moo	✓	
STATE						
ZIP CODE						
Weldonville						
KS						
66606						

JOB TYPE <u>long string</u>	HOLE SIZE <u>5 5/8"</u>	HOLE DEPTH <u>758'</u>	CASING SIZE & WEIGHT <u>2 7/8" EUE</u>
CASING DEPTH <u>657'</u>	DRILL PIPE <u>6027'</u>	TUBING <u>plug back to</u>	OTHER <u>657'</u>
SLURRY WEIGHT	SLURRY VOL.	WATER gal/sk	CEMENT LEFT in CASING <u>30'</u>
DISPLACEMENT <u>3.63 LL/s</u>	DISPLACEMENT PSI	MIX PSI	RATE <u>46 gpm</u>

REMARKS: hold solid, ingetting, established circulation, mixed & pumped 150 lbs
5% Premix cement w/ 2% gel & 1/4 # Floerol per stc to plug back open
hole to 657', pulled drill deep from well, landed casing on clamp,
mixed & pumped 200 # gel followed by 5 bbls fresh water, mixed &
pumped 100 lbs cement, cement to surface, flushed pump down, pumped
2 1/2" collar plug to bottom w/ 3.63 bbls fresh water, pressured to 500
PSI, released pressure. Shut in casing.

Customer supplied H₂O

[illegible]

Rev'd 3/28/7

AUTHORIZTION

TITLE

DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.