

Linn County, KS
Well: CK -1
Lease Owner:Crude Kin

Town Oilfield Service, Inc.
(913) 294-2125

Commenced Spudding:
5/16/17

WELL LOG

Thickness of Strata	Formation	Total Depth
0-3	Soil-Clay	3
6	Lime	9
34	Shale	43
4	Lime	47
49	Shale	96
10	Lime	106
9	Shale	115
37	Lime	152
9	Shale	161
18	Lime	179
5	Shale	184
3	Lime	187
4	Shale	191
4	Lime	195
118	Shale	313
5	Sand	318
32	Shale	350
4	Lime	354
15	Shale	369
10	Lime	379
1	Shale	380
3	Lime	383
4	Shale	387
26	Sand	413
26	Shale	439
8	Lime	447
12	Shale	459
4	Lime	463
14	Shale	477
5	Sandy Lime	482
3	Shale	485
27	Lime	512
83	Shale	595
7	Sand	602
38	Shale	640
3	Sandy Shale	643
10	Shale	653
3	Sandy Shale	656
1	Sand	657
17	Core	674

Short Cuts

TANK CAPACITY

BBLs. (42 gal.) equals $D^2 \times .14 \times h$

D equals diameter in feet.

h equals height in feet.

BARRELS PER DAY

Multiply gals. per minute x 34.2

HP equals $BPH \times PSI \times .0004$

BPH - barrels per hour

PSI - pounds square inch

TO FIGURE PUMP DRIVES

* D - Diameter of Pump Sheave

* d - Diameter of Engine Sheave

SPM - Strokes per minute

RPM - Engine Speed

R - Gear Box Ratio

*C - Shaft Center Distance

D - $RPM \times d$ over $SPM \times R$

d - $SPM \times R \times D$ over RPM

SPM - $RPM \times D$ over $R \times d$

R - $RPM \times D$ over $SPM \times d$

BELT LENGTH - $2C + 1.57(D + d) + \frac{(D-d)^2}{4C}$

* Need these to figure belt length

TO FIGURE AMPS: $\frac{WATTS}{VOLTS} = AMPS$

746 WATTS equal 1 HP

Log Book

Well No. CKI

Farm Piper

KS Linn
(State) (County)

27 19 22
(Section) (Township) (Range)

For Crude Kin Oil Company
(Well Owner)

15-107-25179

Town Oilfield Services, Inc.

1207 N. 1st East
Louisburg, KS 66053
913-710-5400

Piper Farm: Linn County

KS State: Well No. CK 1

Elevation 988

Commenced Spuding 5-16-20 17

Finished Drilling 5-19-20 17

Driller's Name Wesley Dollard

Driller's Name

Driller's Name

Tool Dresser's Name Ryan Ward

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name TOS

27 19 22

(Section) (Township) (Range)

Distance from _____ line, _____ ft.

Distance from _____ line, _____ ft.

3 sacks 2 7/8 casing
1 coil
10 hrs
5 5/8 borehole

CASING AND TUBING RECORD

10" Set _____ 10" Pulled _____
8" Set _____ 8" Pulled _____
7 ~~ex~~" Set 20 6 1/2" Pulled _____
4" Set _____ 4" Pulled _____
2" Set _____ 2" Pulled _____

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
706.4		Baffle			
738.8		Float			
760 TD		2 7/8			

Thickness of Strata	Formation	Total Depth	Remarks
0-3	soil-clay	3	
6	Lime	9	
34	Shale	43	
4	Lime	47	
49	Shale	96	
10	Lime	106	
9	Shale	115	
37	Lime	152	
9	Shale	161	
18	Lime	179	
5	Shale	184	
3	Lime	187	
4	Shale	191	
4	Lime	195	Hertha
118	Shale	313	
5	sand	318	grey - no oil
32	shale	350	
4	Lime	354	sandy
15	shale	369	
10	Lime	379	
1	Shale	380	
3	Lime	383	
4	Shale	387	
26	sand	413	gas
26	Shale	439	
8	Lime	447	
12	Shale	459	

459

Thickness of Strata	Formation	Total Depth	Remarks
4	Lime	463	
14	Shale	477	
5	sandy Lime	482	
3	Shale	485	
27	Lime	512	
83	Shale	595	
7	sand	602	broken - good Oil show
38	Shale	640	
3	sandy shale	643	
10	Shale	653	
3	sandy shale	656	
1	sand	657	brown - no Oil
17	lime	674	page 6
86	Shale	760	FB

Thickness of Strata	Formation	Total Depth	Remarks
		657	
1	sandy shale	658	
9	sand	667	broken - good oil - perf
3	shale	670	
3	sandy shale	673	
1	shale	674	

Town Oilfield Service

P.O Box 339 Louisburg, Ks 66053
913-837-8400

Ticket Number _____
Location _____
Foreman _____

Field Ticket & Treatment Report Cement

Date	Customer#	Well Name & Number	Section	Township	Range	County
5-23-17		CK1 Piper	27	19	22	LN
Customer			Mailing Address			
			City	State	Zip Code	

Job Type long string Hole Size 5-5/8 Hole Depth 760 Casing Size & Weight 2 7/8
 Casing Depth 738.8 Drill Pipe _____ Tubing _____ Other _____
 Displacement _____ Displacement PSI _____ Mix PSI _____ Rate _____

Remarks _____

Account Code	Quantity or Units	Description of Services or Product	Unit Price	Total
		Pump Charge		700
		Cement Truck		250
		Water Truck		0
	130	Cement	8	1040
		Gel		
		Plug		25
			Sales Tax	

Estimated Total 2015.00

Authorization [Signature] Title _____ Date 5-23-17

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.