



CONSOLIDATED
Oil Well Services, LLC

269825

TICKET NUMBER 47427
LOCATION Attawa, KS
FOREMAN Cassy Kennedy

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

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7/22/14	3425	N. McMillen #19	SE 2	16	20	FR
CUSTOMER Hughes Drilling			TRUCK #		DRIVER	
MAILING ADDRESS 122 Main			729		Cass Ken	
CITY Wellsville			666		Keifer	
STATE KS			548		Dawn White	
ZIP CODE 666092						

JOB TYPE long string HOLE SIZE 5 7/8" HOLE DEPTH 807' CASING SIZE & WEIGHT 2 7/8" EUE
CASING DEPTH 801' DRILL PIPE - TUBING baffle - 773' OTHER _____
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
DISPLACEMENT 4.47 bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE 5 bpm

REMARKS: hold safety meeting, established circulation, mixed & pumped 200 # Premium Gel followed by 10 bbls fresh water, mixed & pumped 100 # 50/50 Pozmix cement w/ 2 1/2 gal + 1/4 # Floceal per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to baffle w/ 4.47 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

[Handwritten signature]

Customer supplied H₂O

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		1085.00
5406	15 mi	MILEAGE		63.00
5402	801'	casing footage		
5407	minimum	ton mileage		368.00
1124	100 sks	50/50 Pozmix cement	1219.00	
118B	378 #	Premium Gel	88.16	
1107	27 #	Floceal	66.69	
		materials	1368.85	
		-30 %	410.66	
		subtotal		958.19
4402	1	2 1/2 rubber plug		29.50
			3021.32	
		7.65%	SALES TAX	75.56
			ESTIMATED TOTAL	2579.25

Ravin 3737

AUTHORIZATION Cassy 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.

Sec. 2, Twp. 16, Rng. 20
Fr. Co., Kansas

HUGHES DRILLING REPORT

Well No. 49 SURFACE CASING
Farm McMillen Size 1"
Feet 2690
Circulated 9 ex cement

PERMANENT CSG.
Size 2 3/8" Bore E.C. New
Feet 801 of pipe
Bottom at 772.5'
Flat shoe on bottom
T. D. at Completion 807'

OPERATOR Hughes Drilling

Contractor HUGHES DRILLING CO.

1315 FSL 2046 FEL
API # 13-259-26750

STRATA THICKNESS	FORMATION DRILLED	T.D.
3	soil	3
21	clay	24
15	shale	39
23	lime	62
7	shale	69
10	lime	79
7	shale	86
19	lime	105
28	shale	133
34	lime	176
61	shale	237
22	lime	259
16	shale	275
4	lime	284
28	shale	312
10	lime	322
6	shale	328
1	lime	329
16	shale	345
24	lime	369
7	shale	376
24	lime	400
4	shale	404
3	lime	407
2	shale	409
7	lime	416
115	shale	531
5	gr. sand	536
37	shale	573
4	gr. sand	577
10	shale	587
8	lime	595
10	shale	605
5	lime	610
5	shale	615
8	lime	623
14	shale	637
3	lime	640
7	shale	647
7	lime	655
28	shale	683

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
7/8/14	0	3	soil	① 21.5-21.5
26'	3	24	clay	② 22.5-44.0
7/21/14	24	39	shale	③ 22.5-66.5
5 5/8"	39	62	lime	④ 22.5-89.0
PDC bit	62	69	shale	⑤ 22.5-111.5
	69	79	lime	⑥ 22.5-134.0
	79	86	shale	⑦ 22.5-156.5
	86	105	lime	⑧ 22.5-179.0
	105	139	shale (sandy 115-135)	⑨ 22.5-201.5
	139	176	lime	⑩ 22.5-224.0
	176	237	shale	⑪ 22.5-246.5
	237	259	lime	⑫ 22.5-269.0
	259	275	shale	⑬ 22.5-291.5
	275	284	lime	⑭ 22.5-314.0
	284	312	shale	⑮ 22.5-336.5
	312	322	lime	⑯ 22.5-359.0
	322	328	shale	⑰ 22.5-381.5
	328	329	lime	⑱ 22.5-404.0
	329	345	shale	⑲ 22.5-426.5
30'	345	369	lime (some bleeding 345-348)	⑳ 22.5-449.0
	369	376	shale (slate 369-370)	㉑ 22.5-471.5
20'	376	400	lime	㉒ 22.5-494.0
	400	404	shale (slate 400-401)	㉓ 22.5-516.5
	404	407	lime	㉔ 22.5-539.0
	407	409	shale	㉕ 22.5-561.5
"Heath"	409	416	lime	㉖ 22.5-584.0
	416	531	shale (BRK 419-423) (sdy 460-472)	㉗ 22.5-606.5

HUGHES DRILLING REPORT

Well No. H 19
Farm W. Williams
Size _____
Feet _____
Circulated _____ sx cement

PERMANENT CSG.
Size 2 7/8 Bred EUE New
Feet 301 of pipe
Baffle at 772.95
Float shoe on Bottom
T. D. at Completion 807'
Contractor HUGHES DRILLING CO.

OPERATOR Hughes Drilling

API # 15-039-2675

STRATA THICKNESS	FORMATION DRILLED	T.D.
14	oil sand	697
30	shale	729
1	lime	730
13	sand	743
49	shale	792
1	lime	793
14	shale	807
		T.D.

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
"peru"	531	536	Gray sand (no show)	(28) 22.5 - 672.0
	536	573	Shale (BRT# 554-566)	(37) 22.5 - 651.5
W-side	573	577	Gr. sandy (Good bleeding oil)	(4) 22.5 - 674.0
	577	587	shale	(10) 22.5 - 696.5
	587	595	lime	(8) 22.5 - 719.0
	595	605	shale	(10) 22.5 - 741.5
	605	610	lime	(5) 22.5 - 764.0
	610	615	Shale (slate - no oil)	(5) 22.5 - 786.5
	615	623	lime	
	623	637	shale	
	637	640	lime (brown)	
	640	647	shale	
	647	655	lime	
	655	670	shale	
	670	672	lime	
	672	683	shale (gray hard sand 681-683)	
# 1 Equival	683	697	Oil sand (core time pg. 3)	
	697	729	shale (lime break 705) (lime break 723)	
697'	729	730	lime	
7/22/14	730	743	sand (Remarks pg. 4)	
	743	792	shale	
	792	793	lime	
	793	807	shale	
			T.D.	
			7-22-14 set 301 of 2 7/8 Bred EUE (New)	
			Baffle at 772.95 Float shoe on Bottom	
			used 3 centralizers	

Start core ~~697~~ 731
T.D. ~~697~~ 731
K.D. 121

10 JTs on trailer

HUGHES DRILLING CO.

Wellsville, Kansas 66092

Pg. 3

Roger 913-883-2235
Darrel 913-883-4027

CORE TIME
LEASE N. Maxwell #19
FORMATION #2 squirel
DATE: 7-21-14

Ron 913-883-4655
Clay 913-883-4363

(REM 3" Shave Bit)

FROM	FEET TO	TIME	MINUTES	REMARKS
683	684	chip sample	-	sand lamina w/shale (bleeding)
1) 684	685	3:01:00-3:01:30	:30	} Solid sand (exc. bleed)
2) 685	686	3:02:15	:45	
3) 686	687	3:02:45	:30	
4) 687	688	3:03:30	:45	
5) 688	689	3:04:15	:45	shale 688-688.5
6) 689	690	3:05:00	:45	} Solid sand (A few sandy line nodules) 688.5-690 (exc. bleed)
7) 690	691	3:05:45	:45	
8) 691	692	3:06:45	1:00	} sdy shale w/ scattered strips of sand (little bleed)
9) 692	693	3:07:45	1:00	
10) 693	694	3:08:45	1:00	
11) 694	695	3:09:45	1:00	
12) 695	696	3:10:45	1:00	
13) 696	697	3:11:45	1:00 STOP	shale
14) 697	698			
15) 698	699			
16) 699	700			
17) 700	701			} (Best Perf zone) 684-690 COH
18) 701	702			
19) 702	703			
20) 703	704			

M

HUGHES DRILLING CO.

Wellsville, Kansas 66092

1894

Roger 913-883-2235
Darrel 913-883-4027

CORE TIME

Ron 913-883-4655
Clay 913-883-4363

LEASE N. McMillen #19

FORMATION #2 Squirrel

DATE: 7-22-14

(FROM) 3" flare bit

FROM	FEEET TO	TIME	MINUTES	REMARKS
730	731	(chip) sample		
① 731	732	10:29:00-10:29:45	:45	+ sand lamin w/shale (some bleed)
② 732	733	10:30:45	1:00	} solid sand (little bleed) (shows water)
③ 733	734	10:31:30	:45	
④ 734	735	10:32:15	:45	
⑤ 735	736	10:33:00	:45	} sand lamin w/shale (bleeding)
⑥ 736	737	10:34:00	1:00	} solid sand (ex. bleed)
⑦ 737	738	10:34:30	:30	
⑧ 738	739	10:35:15	:45	} sand lamin w/shale (bleeding)
⑨ 739	740	10:36:00	:45	
⑩ 740	741	10:36:30	:30	} sand slightly lamin w/shale (ex. bleed)
⑪ 741	742	10:37:15	:45	
⑫ 742	743	10:38:00	:45	+ wafered black sand
⑬ 743	744	10:39:15	1:15	} shale (20 gravity) bleeding heavy oil
⑭ 744	745	10:40:15	1:00	
⑮ 745	746	10:41:15	1:00 ^{STOP}	
⑯ 746	747			} Best Reef zone 735.5 - 741.5 CCH
⑰ 747	748			
⑱ 748	749			
⑲ 749	750			
⑳ 750	750			