

HUGHES DRILLING REPORT

Well No. #17
Farm Brown
SURFACE CASING
Size 7"
Feet 21.30
Circulated 8 sx cement

PERMANENT CSG.
Size 2 7/8" 8rd EVE
Feet 569' Bolt at 565'
seating Nipple at 518'

OPERATOR John Herrick

T.D. at Completion 580
Contractor HUGHES DRILLING CO.

STRATA THICKNESS	FORMATION DRILLED	T.D.
4	Soil	4
29	Clay	33
19	Lime	32
25	Shale	77
5	Lime	82
42	Shale	124
15	Lime	139
10	Shale	149
30'	30' Lime	179
	6 Shale	185
20'	2' Lime	206
	9 Shale	215
	2 Lime	217
	2 Shale	219
	5 Lime	224
	130 Shale	354
	2 Red Bed	356
	3 Shale	359
	1 Lime	360
	23 Shale	383
	17 Lime	400
	42 Shale	442
	5 Lime	447
	14 Shale	461
	2 Lime	463
	14 Shale	477
	5 Lime	482
	5 Shale	487
	2 Red Bed	489
	13 Shale	502
	2 Lime	504
	5 Shale	509
	4 Lime	513
	8 Shale	521
	7 oil sand	528
	37 Shale	565
	1 Lime	566
	14 Shale	580
		T.D.

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
6/21/13	0	4	Soil	(1) 21.5-21.5
	4	33	Clay	(2) 22.5-44.0
6/24/13	33	52	Lime	(3) 22.5-66.5
21'	52	77	Shale (Brkn 23-72)	(4) 22.5-89.0
5 7/8"	77	82	Lime	(5) 22.5-111.5
Pol Bit	82	124	Shale	(6) 22.5-134.0
	124	139	Lime	(7) 22.5-186.5
	139	149	Shale	(8) 22.5-179.0
30'	149	179	Lime	(9) 22.5-201.5
	179	185	Shale (Slate 180-181)	(10) 22.5-224.0
20'	185	206	Lime	(11) 22.5-246.5
	206	215	Shale (Slate 214-215)	(12) 22.5-269.0
	215	217	Lime	(13) 22.5-291.5
	217	219	Shale	(14) 22.5-314.0
" Hertha	219	224	Lime	(15) 22.5-336.5
	224	354	Shale (Brkn 226-228)	(16) 22.5-359.0
	354	356	Red Bed	(17) 22.5-381.5
	356	359	Shale	(18) 22.5-404.0
	359	360	Lime	(19) 22.5-426.5
	360	383	Shale (sdy shale 362-367)	(20) 22.5-449.0
	383	400	Lime	(21) 22.5-471.5
	400	442	Shale	(22) 22.5-494.0
	442	447	Lime	(23) 22.5-516.5
	447	461	Shale	(24) 22.5-539.0
	461	463	Lime (Brown)	(25) 22.5-561.5
	463	477	Shale (Slate 463-464)	
	477	482	Lime	