

Operator License # 32834
 Operator JTC Oil, Inc.
 Address PO Box 24386
 City Overland Park, KS 66283
 Contractor JTC Oil, Inc.
 Contractor License # 32834
 T.D. 740
 T.D. of pipe 727
 Surface pipe size 7"
 Surface pipe depth 20'
 Well Type Production

API # 15-121-30418-00-00
 Lease Name Cooper
 Well # P-17
 Spud Date 6/20/2014
 Cement Date 7/3/2014
 Location Sec 9 T 17 R 22
 825 feet from S line
 165 feet from E line
 County Miami

Driller's Log

Thickness	Strata	From	To			
2	dirt	0	2			
3	lime	2	5			
103	shale	5	108			
9	lime	108	117			
17	shale	117	134			
3	lime	134	137			
9	shale	137	146			
4	lime	146	150			
47	shale	150	197			
13	lime	197	210			
9	shale	210	219			
17	lime	219	236			
21	shale	236	257			
17	lime	257	274			
4	shale	274	278			
13	lime	278	291			
137	shale	291	428			
2	red shale	428	430			
2	sand	430	432	oil smell		
1	lime	432	433			
24	sand/tiny bleed	433	457	oil smell		
13	lime	457	470			
46	shale	470	516			
2	lime	516	518			
7	mix	518	525			
12	shale	525	537			
5	lime	537	542			
14	shale	542	556			
7	lime	556	563			
22	mix	563	585			
10	shale	585	595			
17	mix	595	612			
6	laminated sand	612	618	ok		
20	core	618	638		core 1	618 638

17	sand	638	655	good	core 2	638	658
23	ok	655	678		core 3	658	678
16	laminated sand	678	694	ok			
12	mix	694	706				
3	lime	706	709				
31	shale	709	740				