

**OWENS PETROLEUM SERVICES, LLC
DRILLER'S LOG**

Water from Les 1111

Operator: Legend Oil

Lease / Well #: Pet Collins #8 17-25-17 WOCO

API #: 15-207-28652-0000

	Date		Date		Date		Date
Spud/Surface	7-30-13	Drilled to TD	8-1-13	Logged		1"/rods, pump	
Set Surface	7-30-13	Run Casing	8-1-13	Perforated		Lead Line/Elec	
Spud/Casing	7-31-13	Cemented LS	8-1-13	Frac/Acidized		Closed Pit	

Purpose	Size Drilled	Size Pipe	Weight #/ft	Setting Depth	Cement	# Sacks	Additives
Surface:	11"	7"	new	20	ashgrove	10	
Casing:	5 7/8"	2 7/8"	used	876	Harrison Bed		
Frac:							

Driller's TD:	890 ft	Seat Nipple:	815 ft	Pipe TD:	876 ft	Fluid Volume:	bbls
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Surface Bit and Subs: 3.70'

Kelly: Top of Groove to Square: 22.60'

Footage Above Ground Level: _____ / _____ Total

FOOTAGE:

FORMATION:

Bit and Sub	1/9	0-1 top 1-2 clay 2-7 lime 7-20 shale	
1st Collar	19/9		
2nd Collar	20/0	41.8	
Joints 20.7': 1	62/5	S	
2	83/2	S	
3	103/9	L 122	
4	124/6	L 125-142	
5	148/3	S 142-153 L 153-154 S 154	
6	166/0	L 163-170	
7	186/7	L	
8	207/4	L	
9	228/1	L	
10	248/8	S	
11	268/5	S	
12	290/2	L 295-296	
13	310/9	L	
14	331/6	L	
15	352/3	L	
16	373/0	L	
17	393/7	L	
18	414/4	L	
19	435/1	L	
20	456/8	(447) S drill	
21	476/5	S	
22	497/2	S	
23	517/9	S	
24	538/6	S	
25	558/3	S	

OPERATOR:

Legend Oil

LEASE/WELL#

PC #8

FOOTAGE:

FORMATION:

26	580.0	S	
27	600.7	S L619-623	
28	621.4	S	
29	642.1	S	
30	662.8	S	
31	683.5	L646-700	
32	704.2	L	
33	724.9	L720-938	
34	745.6	L758-958-763	345
35	766.3	L766-778	clay
36	787.0	L784-786	Sandy shale
37	807.7	L817-820	
38	828.4	S	820-822 Sand - good show
39	849.1		822-824 good sand - good show
40	869.8		824-826 sand - show
41	890.5		826-828 Sandy shale - slight color
42	911.2		828-830 shale
43	931.9		
44	952.6		
45	973.3		
46	994.0	S/N 816	
47	1014.7		
48	1035.4	RTP 890	
49	1056.1		
50	1076.8		
51	1097.5		
52	1118.2		
53	1138.9		
54	1159.6		
55	1180.3		
56	1201.0		
57	1221.7		
58	1242.4		
59	1263.1		
60	1283.8		
61	1304.5		
62	1325.2		
63	1345.9		
64	1366.6		
65	1387.3		
66	1408.0		
67	1428.7		
68	1449.4		
69	1470.1		
70	1490.8		