

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

Operator: Legend - Marshall D

Lease / Well #: Orth - Gillespie 10

API #: 15-207-28008-000 22-25-17 Wood

	Date		Date		Date		Date
Spud/Surface	<u>12-18-11</u>	Drilled to TD	<u>12-21-11</u>	Logged		1" / pump	
Set Surface	<u>12-18-11</u>	Run/Casing	<u>12-21-11</u>	Perforated		Lead Line/Elec	
Spud/Casing	<u>12-19-11</u>	Cemented LS		Frac		Closed Pit	

Purpose	Size Drilled	Size Pipe	Weight #/ft	Setting Depth	Cement	# Sacks	Additives
Surface:	<u>11 5/8</u>	<u>7"</u>	<u>new</u>	<u>22</u>	<u>monarch</u>	<u>11</u>	<u>-</u>
Casing:	<u>5 5/8</u>						
Frac:							

Driller's TD:	<u>868</u> ft	Seat Nipple:	<u>797</u> ft	Pipe TD:	<u>860</u> ft	Fluid Volume:	bbbs
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Surface Bit and Subs: 3.70'

Kelly: Top of Groove to Square: 22.60'

Footage Above Ground Level: 1 Total

FOOTAGE:

FORMATION:

Bit and Sub	1.9	<u>0-18' lime</u>	<u>18-22 shale</u>
1st Collar	19.9		
2nd Collar	20.0	41.8	
Joints 20.7':	62.5	<u>S</u>	
2	83.2	<u>S</u>	<u>Rained out</u>
<u>12-20-11</u> 2	103.9	<u>S</u>	
4	124.6	<u>L130</u>	
5	145.3	<u>-144 L146 -</u>	
6	166.0	<u>L</u>	
7	186.7	<u>L</u>	
8	207.4	<u>L</u>	
9	228.1	<u>L</u>	
10	248.8	<u>L-250</u>	<u>L258</u>
11	269.5	<u>S</u>	
12	290.2	<u>L294</u>	
13	310.9	<u>L</u>	
14	331.6	<u>L</u>	
15	352.3	<u>L</u>	
16	373.0	<u>L</u>	
17	393.7	<u>L</u>	
18	414.4	<u>L-419</u>	<u>L420</u>
19	435.1	<u>L-434</u>	<u>Shale</u>
20	455.8	<u>S</u>	
21	476.5	<u>S</u>	
22	497.2	<u>S</u>	
23	517.9	<u>S</u>	
24	538.6	<u>S</u>	

OPERATOR:

LEASE/WELL#

Orth - Gillespie #10

FOOTAGE:

FORMATION:

	FOOTAGE:	FORMATION:	
26	559.3	L559-566	
28	580.0	L583-587 L588-596	
27	600.7	L609-617	
28	621.4	S	
29	642.1	L642-647	
30	662.8	L667-670 L680-	
31	683.5	- 685 L690	
12-21-4 32	704.2	L707-711 L714-715 L717-720	
38	724.9	S L744	
34	745.6	-749 L752-760	756 odor in lime
35	766.3	L769-772	
36	787.0	cap 800-803	
37	807.7		775 777 shale - odor
38	828.4		777 779 some sand odor - show
39	849.1		774-780 some sand - odor, show
40	869.8		781-783 sand & shale good odor some show
41	890.5		783-785 shale some sand
42	911.2		785-787 shale some sand
43	931.9		787-790 sandy shale
44	952.6		
45	973.3		803-805 good sand good odor show
46	994.0		805-807 good sand good show
47	1014.7		807-809 good
48	1035.4		809-811 good odor mostly shale
49	1056.1		811-813 shale
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		

THIS WELL #10

RTD 868
SHN
5/1/97