

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

Operator: Legend Oil

Lease / Well #: Pet Collins #5 17-25-17

API #: 15-207-28624-0000

1.11

	Date		Date		Date		Date
Spud/Surface	7-20-13	Drilled to TD	7-23-13	Logged		1"/rods, pump	
Set Surface	7-20-13	Run Casing	7-23-13	Perforated		Lead Line/Elec	
Spud/Casing	7-22-13	Cemented LS	7-24-13	Frac/Acidized		Closed Pit	

Purpose	Size Drilled	Size Pipe	Weight #/ft	Setting Depth	Cement	# Sacks	Additives
Surface:	11"	7"	new	20	48/1000	70	
Casing:	5 3/8	2 3/8	used				
Frac:							

Driller's TD:	910 ft	Seat Nipple:	832 ft	Pipe TD:	896 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

0157-014-807 WGR

FOOTAGE:                      FORMATION:

Bit and Sub	FOOTAGE	FORMATION
Bit and Sub	1.9	0-1 top 2-5 clay 5-20 1/2me
1st Collar	19.9	L-26 S
2nd Collar	20.0	41.8
Joints 20.7'	62.5	S
	83.2	S
	103.9	S
	124.6	S
	145.3	6144 - H
	166.0	L
	186.7	L
	207.4	L
	228.1	L S
	248.8	S
	269.5	S L S
	290.2	S
	310.9	L
	331.6	L
	352.3	L
	373.0	L
	393.7	L
	414.4	L
	435.1	L
	455.8	L-459
	476.5	S
	497.2	S
	517.9	S
	538.6	S

Wheat Lane

OPERATOR:

Legend

LEASEWELL#

Pat Collins #5

FOOTAGE:

FORMATION:

<del>25</del>	559.3	S	
<del>26</del>	580.0	S	
<del>27</del>	600.7	L 606-608 L 611-619	
<del>28</del>	621.4	L 636-	
<del>29</del>	642.1	- 646 L 648-649	
<del>30</del>	662.8	L 674-677	
<del>31</del>	683.5	L 690-693	
<del>32</del>	704.2	L 717-720	
<del>33</del>	724.9	L 725-738 L 840-845	
<del>34</del>	745.6	L 750-754	
<del>35</del>	766.3	L 774-	odor in lime 786-790
<del>36</del>	787.0	-790 L 800-802	
7-29	<del>37</del>	<del>807.7</del> S	
	<del>38</del>	<del>828.4</del> L 834-837	
	<del>39</del>	<del>849.1</del> S	837-839 sand-shale-show
	<del>40</del>	<del>869.8</del> S	839-841 better sand show
	<del>41</del>	<del>890.5</del> S	841-843 mostly sand show
	42	911.2	843-845 sandy shale odor
	43	931.9	845-847 shale
	44	952.6	
	45	973.3	
	46	994.0	
	47	1014.7	
	48	1035.4	
	49	1056.1	S/N 832
	50	1076.8	
	51	1097.5	
	52	1118.2	
	53	1138.9	RTD
	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	

Violet e 110