

Griffin Geological Resources, Inc.

David B. Griffin, RG, President
1502 W. 27th Terrace
Lawrence, Kansas 66046

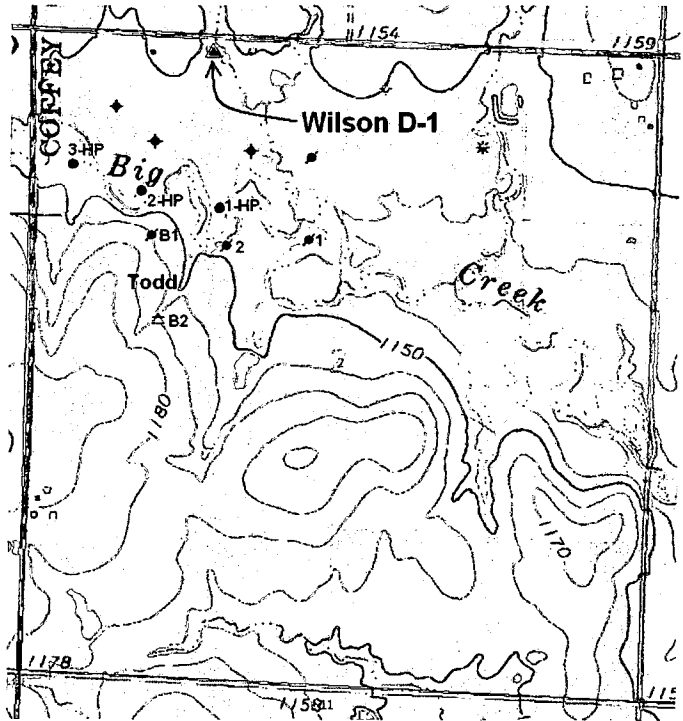
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March 4, 2010

Geological Wellsite Report

For: Wilson D-1
NW NW NE NW/4
5115' fsl, 3780' fel
Section 2, T22S – R13E
Coffey County, Kansas
Lat: N38.17030
Long: W-95.98354
API: 15-031-22526-00-00
Datum: KB 1153'
RTD: 1864', KB
Field: South Hatch
Status: 1420' 4½" Casing Set,
Pending Disposal Well

Operator: Haas Petroleum, LLC
800 W. 47th St, Suite 716
Kansas City, MO 64112
License: 33640
Mark Haas, President



The following report on the subject well is based on microscopic examination of rotary drill cuttings from 1400' to a rotary total depth of 1864' below kelly bushing (KB) reached on February 27, 2010. The well was drilled primarily for saltwater disposal purposes; however the Burgess and Squirrel sandstone zones and the Mississippian were penetrated for study. This report includes a sample log with drilling time, sample cuttings description, total gas measurements and geological tops. Subsea corrected geological sample tops were based on a KB datum elevation of 1153' with a GL elevation of 1146' above sea level obtained from a relative survey to Wilson 1-HP (GL 1140').

Drilling Contr.: Skyy Drilling, Rig #3
Yates Center, Kansas, 66865
KS Operator License No.: 33557
Owner: Mark Haas
Tool Pusher: Ben Harrell

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Commenced Drlg: Spud February 24, 2010, 12¼" Bit, Set 22' 8½" Casing

Completed Drlg: February 27, 2010, Set and Cemented 1420' 4½" casing

Drilling Notes: 4½" Drill Pipe, One 6-blade PDC Bit, from 22' to 1864',

Mud Program: Native fresh water mud to 1400', fresh water chemical gel mud from 1400' to RTD,

Cement Co.: Consolidated Oil Well Service Co., KS Operator License No.: 04996

Geological Supervision:
David Griffin, RG, President of GGR, Inc., provided wellsite and logging supervision on Feb. 26 and Feb. 27, 2010. Samples microscopically examined from 1400' to 1864'.

Logs, Gas Detection, Cores, DST's:

Compensated density and sidewall neutron and dual Induction resistivity open-hole logs were ran by Osage Wireline. MP 2300 total gas detection instrumentation was in use. No cores or drill stem tests were obtained for this well.

Geological Datums:

Haas Petroleum, LLC Wilson D-1 NW NW NE NW4 Sec. 2-T22S-R13E Geological Tops						Struc.Comparison Haas Petro LLC Wilson 2-HP SW SE NW NW4 Sec. 2-T22S-R13E	
Zones of Interest	Sample Tops		STRC COMP	Open-Hole Log Tops		Sample Tops	
	KB Elev 1153'			KB Elev 1153'		KB Elev 1148'	
	Depth	Subsea		Depth	Subsea	Depth	Subsea
Douglas SS	na			623	530	na	
Lansing	na			730	423	na	
Base Kansas City Group	na			1140	13	na	
Cherokee Group	1433	-280	-7	1434	-281	1421	-273
U. Squirrel SS,	absent			absent		absent	
Base SS	absent			absent		absent	
M. Squirrel SS	1447	-294	-6	1448	-295	1436	-288
Base SS	1462	-309		1464	-311	1470	-322
L Squirrel SS,	1517	-364	-20	1518	-365	1492	-344
Base SS	1537	-384		1540	-387	1523	-375
V-Shale	1547	-394	-6	1548	-395	1536	-388
Burgess SS,	absent			absent		absent	
Base SS	absent			absent		absent	
Mississippian	1827	-674	-17	1827	-674	1805	-657
Osage Chert Zone	dnp			dnp		1923	-775
Northview Shale	dnp			dnp		2085	-937
Kinderhook Shale	dnp			dnp		2131	-983
Simpson SS	dnp			dnp		2198	-1050
Total Depth	1864	-711		1867	-714	2202	-1054

Structural Comparisons:

Structural comparison of subsea geological log tops for Wilson D-1 indicates that the top of the Cherokee Group is 7 feet low and the Top of the Mississippian carbonate rocks is 17 feet low to Wilson 2-HP lying ~1200' to the southwest.

Potential Saltwater Disposal Zones

Based on sample observations and open-hole log responses potential saltwater disposal zones are present in the Lansing-Kansas City. The best zones lie from 934' to 978' and from 1054' to 1075', KB Open-Hole Log.

Description of Middle Squirrel Sandstone

Samples Description

1447' to 1450', KB, (1451' CFS)

Sandstone, 20% of sample, light brown, very fine grained, very silty, laminated, fair porosity, fair odor, fair to good show of brown free oil, puts fair oil scum on pit; siltstone, 80%, light gray. Total gas readings peaked at 83 units, no gas bubbles observed.

1447' to 1450', KB, (1457' CFS)

Sandstone, 40% of sample, light brown, very fine grained, silty, laminated, fair to good porosity, fair odor, good show of brown free oil, puts slight to fair oil scum on pit; siltstone, 60%, light gray. Total gas readings peaked at 57 units, no gas bubbles observed.

1457' to 1462', KB, (1462' CFS)

Sandstone, 40% of sample, gray-brown, very fine grained, slightly silty, fair to very good porosity, fair odor, fair good show of heavy black oil; siltstone, 60%, very light gray to green-gray. Total gas readings peaked at 25 units, no gas bubbles observed.

Saltwater Calculations and Comments:

Saltwater (SW) percentage estimations from 1448' to 1464', (KB Log) ranged from 66.1% to 79.7% using the Archie Equation with a formation water resistivity (RW) of 0.15. The SW estimations indicate that this is not pay zone using a SW cutoff of 65%. However, since this zone has yet to be completed on this lease and the pay zone cutoffs are approximated, it is possible that this zone could be commercial or at least suitable for injection.

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By David Griffin, RG
March 4, 2010

Wilson D-1

Wellsite Geology Report

March 4, 2010

Sample Description of Lower Squirrel Sandstone

Samples Description

1517' to 1530', KB, (1535' to 1540' Sample)

Sandstone, 70% of sample, gray, very fine to fine grained, clean quartz, good to very good porosity, good odor, good show of heavy black oil in about 75% of sand, fair to good show in sample bag, fair to good bleed and rinse of oil from samples, 5% loose grains, 3% loose grains float due to high surface tension from oil coating; silty shale, 30%, light gray. Total gas readings peaked at 132 units, no gas bubbles observed.

1530' to 1537', KB, (1540' to 1545' Sample)

Sandstone, 60% of sample, gray, very fine to fine grained, clean quartz, good to very good porosity, slight odor, slight to fair show of heavy black oil in a minority of the cuttings, little bleed, slight oil coating inside sample bag; silty shale, 40%, light gray. Total gas readings peaked at 113 units, no gas bubbles observed.

Saltwater Calculations and Comments:

Saltwater (SW) percentage estimations from 1518' to 1537' ranged from 83.4% to 100% using the Archie Equation with a formation water resistivity (RW) of 0.15. The high SW estimations indicate that this is not pay when using the same cutoff criteria in the Upper Squirrel sandstone as in the other Haas Petroleum Wilson wells. Based on sample observations with a good show of heavy black free oil and high total gas readings it seems that the SW percentage should be lower in the top part of the zone. A slightly lower RW (~0.13) would result in lower SW estimations, but SW would still be above 75%. Note that the zone contained neutron-density crossover which indicates that there may be free gas in this zone as well. This zone should be cored in future wells in this area to aid in further evaluation.

Summary:

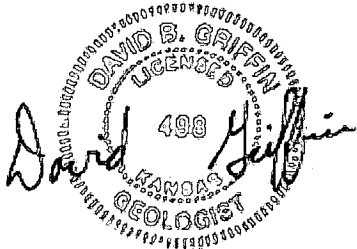
The Upper Squirrel and Burgess sandstones in Wilson D-1 were absent for the most part. The Middle Squirrel sandstone was thinner and less porous than in Wilson 2-HP and 3-HP but continued to have a fair to good showing of brown oil from 1447' to 1457' and heavy oil from 1457' to 1462'. The Lower Squirrel sandstone from 1518' to 1537' was clean with high porosity and a good show of heavy free oil in the top. The sandstone also carried a good total gas kick throughout. The top of the Mississippian was 17' lower than in Wilson 2-HP. Since the primary objective of this well is for disposal purposes and the sandstones appeared marginally commercial, the operator set and cemented 4 $\frac{1}{2}$ " casing to approximately 1420'.

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Recommendations:

The Lansing-Kansas City limestone porosity zones should be perforated from 935' to 979' and 1055' to 1075', KB Open-Hole Log which is 928' to 972' and 1048' to 1068', GL. The well should also be acid stimulated. A cased hole log should be ran to confirm proper placement of the perforations.

Respectfully Submitted,



David B. Griffin, Licensed RG, President
Griffin Geological Resources, Inc.

Attachments: Sample Log with Drilling Time and Total Gas Measurements, SW calculations for the Middle and Lower Squirrel sandstone

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Haas Petroleum, LLC
Middle Squirrel Sandstone Saltwater Estimations
Wilson D-1, 5115' fsl, 3780' fel, NW NW NE NW4, Sec. 2 T22S-R13E, Coffey County, KS

Model = Archie	Porosity												FT	Pay Oil	
PARAMETERS	Zone	Depth	Thick	RT	PHI	RWA	RO	MA	SW	BVW	VSH	PAY	BOI	In-Place	
X	1	1435	0.5	5.74	15.5%	0.20	4.30	1.96	82.5%	0.134	3.138	0	1.12	0	
Y	2	1435.5	0.5	5.49	16.8%	0.22	3.71	2.02	82.1%	0.138	2.577	0	1.12	0	
A	1	3	1436	0.5	5.27	17.7%	0.23	3.38	2.06	80.1%	0.142	1.706	0	1.12	0
M	1.8	4	1436.5	0.5	5.12	17.9%	0.23	3.33	2.05	80.6%	0.144	1.112	0	1.12	0
N	2	5	1437	0.5	5.05	17.7%	0.22	3.40	2.03	82.0%	0.146	0.863	0	1.12	0
RW	0.15	6	1437.5	0.5	5.07	18.0%	0.23	3.29	2.05	83.6%	0.148	0.775	0	1.12	0
CTHK	41	7	1438	0.5	5.17	18.7%	0.25	3.08	2.11	77.1%	0.144	0.744	0	1.12	0
AVPHI	0.16	8	1438.5	0.5	5.33	19.1%	0.27	2.96	2.15	74.6%	0.142	0.749	0	1.12	0
FTOIL	0.00	9	1439	0.5	5.53	18.8%	0.27	3.03	2.16	74.1%	0.139	0.782	0	1.12	0
PAYFEET	0	10	1439.5	0.5	5.78	18.0%	0.26	3.28	2.13	76.4%	0.136	0.806	0	1.12	0
Estimated Oil-In-Place		11	1440	0.5	6.08	16.9%	0.25	3.69	2.08	77.8%	0.132	0.788	0	1.12	0
440 Spacing	0	12	1440.5	0.5	6.41	15.6%	0.23	4.24	2.02	81.4%	0.127	0.761	0	1.12	0
10%OIP	0	13	1441	0.5	6.76	14.8%	0.20	5.19	1.93	87.6%	0.122	0.761	0	1.12	0
DMIN	1435	14	1441.5	0.5	7.13	12.2%	0.16	6.62	1.84	93.4%	0.118	0.753	0	1.12	0
DMAX	1476	15	1442	0.5	7.5	10.6%	0.14	7.98	1.77	103.1%	0.113	0.728	0	1.12	0
KB	1153	16	1442.5	0.5	7.87	9.9%	0.15	8.04	1.79	101.1%	0.111	0.718	0	1.12	0
TD	1864	17	1443	0.5	8.18	9.1%	0.18	7.01	1.87	92.6%	0.109	0.740	0	1.12	0
BHT		18	1443.5	0.5	8.38	8.7%	0.21	6.12	1.95	95.4%	0.109	0.792	0	1.12	0
ST		19	1444	0.5	8.43	8.2%	0.22	5.72	1.99	92.6%	0.109	0.780	0	1.12	0
RMF	3.3	20	1444.5	0.5	8.35	7.9%	0.21	5.98	1.96	84.6%	0.109	0.683	0	1.12	0
RMFT	60C	21	1445	0.5	8.21	7.6%	0.18	6.86	1.88	91.4%	0.109	0.664	0	1.12	0
		22	1445.5	0.5	8.07	7.4%	0.16	7.52	1.83	93.5%	0.110	0.756	0	1.12	0
CUT-OFFS		23	1446	0.5	7.93	7.2%	0.17	7.11	1.85	94.7%	0.111	0.842	0	1.12	0
PHICUT	0.16	24	1446.5	0.5	7.8	7.3%	0.18	6.50	1.89	91.3%	0.112	0.923	0	1.12	0
SWCUT	0.63	25	1447	0.5	7.67	7.2%	0.18	6.24	1.90	93.2%	0.114	1.013	0	1.12	0
VSHCUT	0.736	26	1447.5	0.5	7.54	7.1%	0.19	5.81	1.93	97.5%	0.115	0.973	0	1.12	0
BWVCUT	0.74	27	1448	0.5	7.45	7.4%	0.22	5.04	2.00	82.2%	0.117	0.836	0	1.12	0
		28	1448.5	0.5	7.41	15.2%	0.25	4.46	2.07	77.6%	0.118	0.736	0	1.12	0
		29	1449	0.5	7.4	15.6%	0.26	4.25	2.10	76.6%	0.118	0.700	0	1.12	0
		30	1449.5	0.5	7.42	15.9%	0.27	4.12	2.12	74.6%	0.118	0.681	0	1.12	0
		31	1450	0.5	7.44	16.1%	0.28	4.01	2.14	73.4%	0.118	0.640	0	1.12	0
		32	1450.5	0.5	7.46	16.2%	0.28	3.97	2.15	72.5%	0.118	0.619	0	1.12	0
		33	1451	0.5	7.46	16.5%	0.29	3.85	2.17	71.8%	0.118	0.637	0	1.12	0
		34	1451.5	0.5	7.45	16.6%	0.29	3.81	2.17	71.6%	0.119	0.674	0	1.12	0
		35	1452	0.5	7.44	16.1%	0.28	4.04	2.13	73.7%	0.118	0.701	0	1.12	0
		36	1452.5	0.5	7.41	15.2%	0.25	4.46	2.07	77.6%	0.118	0.723	0	1.12	0
		37	1453	0.5	7.39	14.8%	0.24	4.70	2.04	79.7%	0.118	0.750	0	1.12	0
		38	1453.5	0.5	7.36	15.2%	0.25	4.47	2.06	78.3%	0.118	0.731	0	1.12	0
		39	1454	0.5	7.33	15.8%	0.26	4.15	2.11	76.3%	0.119	0.723	0	1.12	0
		40	1454.5	0.5	7.3	16.1%	0.27	4.00	2.13	74.0%	0.119	0.738	0	1.12	0
		41	1455	0.5	7.27	16.3%	0.28	3.95	2.14	73.7%	0.120	0.721	0	1.12	0
		42	1455.5	0.5	7.26	16.7%	0.29	3.76	2.17	72.6%	0.120	0.685	0	1.12	0
		43	1456	0.5	7.27	17.5%	0.31	3.46	2.23	69.0%	0.121	0.660	0	1.12	0
		44	1456.5	0.5	7.29	18.1%	0.34	3.26	2.27	66.8%	0.121	0.681	0	1.12	0
		45	1457	0.5	7.26	18.3%	0.34	3.19	2.28	64.3%	0.121	0.736	0	1.12	0
		46	1457.5	0.5	7.17	18.4%	0.34	3.14	2.29	66.2%	0.122	0.749	0	1.12	0
		47	1458	0.5	7.04	18.7%	0.34	3.07	2.29	66.1%	0.123	0.696	0	1.12	0
		48	1458.5	0.5	6.89	18.7%	0.34	3.05	2.29	68.6%	0.125	0.674	0	1.12	0
		49	1459	0.5	6.76	18.5%	0.32	3.13	2.26	68.1%	0.126	0.714	0	1.12	0
		50	1459.5	0.5	6.64	18.2%	0.31	3.24	2.22	69.8%	0.127	0.744	0	1.12	0
		51	1460	0.5	6.53	18.0%	0.30	3.28	2.20	70.6%	0.128	0.789	0	1.12	0
		52	1460.5	0.5	6.43	18.2%	0.30	3.21	2.21	70.7%	0.129	0.848	0	1.12	0
		53	1461	0.5	6.35	18.4%	0.30	3.15	2.22	70.4%	0.130	0.894	0	1.12	0
		54	1461.5	0.5	6.31	18.4%	0.30	3.15	2.21	70.6%	0.130	0.918	0	1.12	0
		55	1462	0.5	6.33	18.3%	0.30	3.19	2.20	71.0%	0.130	0.838	0	1.12	0
		56	1462.5	0.5	6.4	17.9%	0.29	3.30	2.18	71.9%	0.129	0.697	0	1.12	0
		57	1463	0.5	6.48	17.3%	0.27	3.54	2.14	73.9%	0.128	0.635	0	1.12	0
		58	1463.5	0.5	6.57	16.5%	0.26	3.83	2.10	76.4%	0.126	0.676	0	1.12	0
		59	1464	0.5	6.66	16.0%	0.25	4.05	2.07	78.0%	0.125	0.752	0	1.12	0
		60	1464.5	0.5	6.74	15.7%	0.24	4.19	2.06	76.8%	0.124	0.849	0	1.12	0
		61	1465	0.5	6.83	15.5%	0.24	4.29	2.05	79.2%	0.123	0.907	0	1.12	0
		62	1465.5	0.5	6.92	15.6%	0.24	4.24	2.06	78.3%	0.122	0.907	0	1.12	0
		63	1466	0.5	6.99	16.3%	0.27	3.95	2.11	76.2%	0.122	0.901	0	1.12	0
		64	1466.5	0.5	7.03	17.0%	0.29	3.63	2.17	71.9%	0.122	0.888	0	1.12	0
		65	1467	0.5	7.06	17.2%	0.30	3.58	2.19	71.2%	0.122	0.862	0	1.12	0
		66	1467.5	0.5	7.08	16.8%	0.28	3.73	2.16	72.6%	0.122	0.854	0	1.12	0
		67	1468	0.5	7.09	16.5%	0.28	3.84	2.14	73.6%	0.121	0.849	0	1.12	0
		68	1468.5	0.5	7.11	16.5%	0.28	3.86	2.14	73.7%	0.121	0.826	0	1.12	0
		69	1469	0.5	7.12	16.6%	0.28	3.78	2.15	72.9%	0.121	0.813	0	1.12	0
		70	1469.5	0.5	7.13	17.0%	0.29	3.64	2.18	71.4%	0.121	0.808	0	1.12	0
		71	1470	0.5	7.13	17.3%	0.30	3.54	2.20	70.4%	0.122	0.767	0	1.12	0
		72	1470.5	0.5	7.11	17.2%	0.30	3.55	2.19	70.7%	0.122	0.750	0	1.12	0
		73	1471	0.5	7.08	16.9%	0.29	3.66	2.17	71.6%	0.122	0.818	0	1.12	0
		74	1471.5	0.5	7.04	16.7%	0.28	3.76	2.15	73.1%	0.122	0.883	0	1.12	0
		75	1472	0.5	6.98	16.5%	0.27	3.86	2.13	74.4%	0.122	0.900	0	1.12	0
		76	1472.5	0.5	6.9	16.0%	0.25	4.07	2.09	76.9%	0.123	0.931	0	1.12	0
		77	1473	0.5	6.8	15.3%	0.23	4.40	2.03	80.4%	0.123	0.954	0	1.12	0
		78	1473.5	0.5	6.68	14.8%	0.21	4.67	1.99	83.6%	0.124	0.930	0	1.12	0
		79	1474	0.5	6.56	14.9%	0.21	4.64	1.98	84.1%	0.125	0.909	0	1.12	0
		80	1474.5	0.5	6.43	15.4%	0.22	4.36	2.01	82.3%	0.127	0.945	0	1.12	0
		81	1475	0.5	6.3	16.1%	0.23	4.03	2.04	80.0%	0.129	0.994	0	1.12	0
		82	1475.5	0.5	6.16	16.5%	0.24	3.86	2.06	79.1%	0.130	0.982	0	1.12	0

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Haas Petroleum, LLC
Lower Squirrel Sandstone, Saltwater Estimations
Wilson D-1, 5115' fsl, 3780' fel, NW NW NE NW4, Sec. 2 T22S-R13E, Coffey County, KS

Model = Archie															Pay Oil
PARAMETERS															In-Place
	Zone	Depth	Thick	Porosity		RWA	RO	MA	SW	BVW	VSH	PAY	BOI		
X		1	1515	0.5	4.59	16.9%	0.19	3.67	1.92	89.5%	0.151	1.091	0	1.13	0
Y		2	1515.5	0.5	4.5	16.8%	0.18	3.72	1.91	89.8%	0.153	1.043	0	1.13	0
A		3	1516	0.5	4.39	16.5%	0.17	3.83	1.88	89.3%	0.154	1.043	0	1.13	0
M	1.8	4	1516.5	0.5	4.25	16.5%	0.17	3.82	1.86	84.8%	0.157	1.131	0	1.13	0
N		5	1517	0.5	4.06	17.1%	0.17	3.59	1.87	84.1%	0.161	1.194	0	1.13	0
RW	0.15	6	1517.5	0.5	3.82	18.1%	0.18	3.25	1.89	82.3%	0.167	1.095	0	1.13	0
CTHK	30	7	1518	0.5	3.54	18.9%	0.18	3.00	1.90	82.1%	0.174	0.878	0	1.13	0
AVPHI	0.22	8	1518.5	0.5	3.25	19.5%	0.17	2.85	1.88	83.7%	0.182	0.655	0	1.13	0
FTOIL	0.00	9	1519	0.5	2.98	20.2%	0.17	2.68	1.87	84.9%	0.191	0.516	0	1.13	0
PAYFEET	0	10	1519.5	0.5	2.73	21.0%	0.16	2.49	1.86	95.4%	0.201	0.469	0	1.13	0
Estimated Oil-In-Place		11	1520	0.5	2.52	21.8%	0.16	2.33	1.85	93.3%	0.210	0.428	0	1.13	0
440 Spacing	0	12	1520.5	0.5	2.34	22.3%	0.16	2.23	1.83	87.6%	0.218	0.372	0	1.13	0
10% OIP	0	13	1521	0.5	2.21	22.6%	0.15	2.17	1.81	99.3%	0.225	0.387	0	1.13	0
DMIN	1515	14	1521.5	0.5	2.11	22.9%	0.15	2.13	1.79	90.5%	0.230	0.441	0	1.13	0
DMAX	1545	15	1522	0.5	2.06	23.4%	0.15	2.05	1.81	99.6%	0.233	0.457	0	1.13	0
KB	1153	16	1522.5	0.5	2.05	24.1%	0.16	1.95	1.84	87.5%	0.235	0.413	0	1.13	0
TD	1864	17	1523	0.5	2.06	24.4%	0.16	1.90	1.86	95.1%	0.234	0.337	0	1.13	0
BHT		18	1523.5	0.5	2.1	24.2%	0.16	1.93	1.86	95.6%	0.232	0.276	0	1.13	0
ST		19	1524	0.5	2.15	23.9%	0.16	1.97	1.86	95.7%	0.229	0.247	0	1.13	0
RMF	3.3	20	1524.5	0.5	2.22	23.7%	0.17	2.01	1.87	93.0%	0.225	0.250	0	1.13	0
RMFT	60C	21	1525	0.5	2.3	23.7%	0.17	1.99	1.90	93.1%	0.221	0.293	0	1.13	0
		22	1525.5	0.5	2.38	24.3%	0.19	1.92	1.95	89.7%	0.218	0.335	0	1.13	0
CUT-OFFS		23	1526	0.5	2.45	25.0%	0.20	1.82	2.01	86.3%	0.216	0.341	0	1.13	0
PHICUT	0.18	24	1526.5	0.5	2.5	25.4%	0.21	1.77	2.05	84.2%	0.214	0.340	0	1.13	0
SWCUT	0.85	25	1527	0.5	2.53	25.5%	0.22	1.76	2.07	83.4%	0.212	0.331	0	1.13	0
VSHCUT	0.736	26	1527.5	0.5	2.55	25.3%	0.21	1.79	2.06	83.6%	0.211	0.306	0	1.13	0
BVWCUT	0.14	27	1528	0.5	2.57	25.0%	0.21	1.82	2.05	84.2%	0.210	0.303	0	1.13	0
		28	1528.5	0.5	2.58	24.5%	0.21	1.89	2.02	85.5%	0.210	0.313	0	1.13	0
		29	1529	0.5	2.58	23.8%	0.19	1.98	1.98	87.7%	0.209	0.317	0	1.13	0
		30	1529.5	0.5	2.57	23.4%	0.19	2.05	1.96	89.2%	0.209	0.345	0	1.13	0
		31	1530	0.5	2.56	23.4%	0.19	2.04	1.95	89.4%	0.210	0.400	0	1.13	0
		32	1530.5	0.5	2.53	23.4%	0.19	2.05	1.95	89.8%	0.210	0.446	0	1.13	0
		33	1531	0.5	2.51	23.1%	0.18	2.10	1.92	91.5%	0.211	0.406	0	1.13	0
		34	1531.5	0.5	2.48	22.9%	0.17	2.13	1.90	92.8%	0.212	0.320	0	1.13	0
		35	1532	0.5	2.44	23.1%	0.17	2.10	1.90	92.8%	0.214	0.295	0	1.13	0
		36	1532.5	0.5	2.39	23.4%	0.18	2.05	1.91	92.6%	0.217	0.310	0	1.13	0
		37	1533	0.5	2.34	23.3%	0.17	2.06	1.89	93.6%	0.219	0.344	0	1.13	0
		38	1533.5	0.5	2.28	23.1%	0.16	2.10	1.86	95.9%	0.222	0.365	0	1.13	0
		39	1534	0.5	2.22	23.2%	0.16	2.09	1.84	96.9%	0.225	0.341	0	1.13	0
		40	1534.5	0.5	2.16	23.5%	0.16	2.03	1.84	96.9%	0.228	0.301	0	1.13	0
		41	1535	0.5	2.11	23.9%	0.16	1.97	1.85	95.5%	0.231	0.273	0	1.13	0
		42	1535.5	0.5	2.07	24.4%	0.16	1.90	1.86	95.8%	0.234	0.263	0	1.13	0
		43	1536	0.5	2.04	24.6%	0.16	1.87	1.86	95.6%	0.236	0.306	0	1.13	0
		44	1536.5	0.5	2.03	24.6%	0.16	1.87	1.86	95.8%	0.236	0.346	0	1.13	0
		45	1537	0.5	2.05	24.6%	0.16	1.87	1.87	95.5%	0.235	0.333	0	1.13	0
		46	1537.5	0.5	2.11	24.9%	0.17	1.84	1.90	93.3%	0.232	0.312	0	1.13	0
		47	1538	0.5	2.21	26.2%	0.20	1.68	2.00	87.2%	0.228	0.295	0	1.13	0
		48	1538.5	0.5	2.35	28.8%	0.25	1.41	2.21	77.6%	0.223	0.294	0	1.13	0
		49	1539	0.5	2.53	31.9%	0.32	1.17	2.47	68.1%	0.217	0.381	0	1.13	0
		50	1539.5	0.5	2.76	33.6%	0.39	1.07	2.67	62.3%	0.209	0.531	0	1.13	0
		51	1540	0.5	3.05	31.5%	0.38	1.20	2.61	62.7%	0.198	0.661	0	1.13	0
		52	1540.5	0.5	3.39	25.7%	0.29	1.73	2.30	71.3%	0.184	0.725	0	1.13	0
		53	1541	0.5	3.77	19.3%	0.19	2.91	1.96	87.8%	0.169	0.746	0	1.13	0
		54	1541.5	0.5	4.12	15.1%	0.14	4.50	1.75	104.5%	0.158	0.728	0	1.13	0
		55	1542	0.5	4.39	13.4%	0.12	5.61	1.68	113.1%	0.151	0.710	0	1.13	0
		56	1542.5	0.5	4.58	12.8%	0.11	6.06	1.66	115.1%	0.147	0.724	0	1.13	0
		57	1543	0.5	4.73	12.9%	0.12	6.01	1.68	112.7%	0.145	0.761	0	1.13	0
		58	1543.5	0.5	4.89	13.4%	0.13	5.56	1.74	106.6%	0.143	0.799	0	1.13	0
		59	1544	0.5	5.08	14.1%	0.15	5.07	1.80	99.9%	0.141	0.825	0	1.13	0
		60	1544.5	0.5	5.3	14.6%	0.17	4.80	1.85	95.1%	0.139	0.857	0	1.13	0

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Depth	Lithology	Shows	By David Griffin, RG, Lawrence, KS				Well No: Wilson D-1				Pg. 2 of 3	
			Penetration Rate		(Lagged) Total Gas		Location: NWNWNE NW, 5115' x 1, 3280' x 1				Datum/Elev.	
			Min./Foot		Units		SEC. 2, T22S-R13E, Coffey Co. KS				KB 1153	
			0	5	10	15	0	50	100	150	Sample Descriptions	
1400 2-26-10 7:15 PM											Oper: Haas Petroleum LLC Cont: Skyg Drilling Bit size: 6 3/4" PDC, 6-Blade	
											LS, Sh, blk LS, gy to buidus Sh, blk-gy-hu silt, lt gy, spotty-lt rtx limey, ns	
											Cherokee 1433 (-280)	
1450	Fr-Gd show oil Gd sh Hvy oil Fr sh Res. oil										SS, 20%, lt bn, vf gn, v. sily, lam. sliodr, fr-gd show free oil, fr-gd oil sum, SS, 40%, lt bn, vtgn, silt, gd sh foil in pit fr-gd phi not much sample; 60% silt SS, 40%, gy-bn, fr-vod phi, gd sh hvy oil, fr-gd bleed, 60% silt SS, 15%, gy-bn, fr-gd phi, fr show res. oil no bleeding Sh, gy, silty, sli sdy, abnd mtc SS, gy, limey, pr phi, ns Sh, gy, silt, mtc	
											Mid. Squirrel SS 1447 (-294) ~15' thk	
1500	Fr sh Res. oil Gd sh Hvy oil Sli-Fr show Res. oil										SS, 30%, gy-bn, vf gn, abd mica. fr phi, fr sh hvy res. oil Sh, gy, silty, abd mtc SS, Gy, AA, Sli-Fr sh Res. oil, no free oil SS, vlt gy, fr-gd phi, ns	
											L. Squirrel SS 1517 (-364) 20' thk	
1550	Gs kck										LS, gy to vdkgy (Ardmore) Sh, bk silt, lt gy LS, lt gy, dus Silt, vlt gy Sh, bk coal LS, tan, dus Sh vlt gy to gy	
											V-shale 1547 (-394)	
1600 midnite 2-27-10	Gs kck										Sh, blk silt, vlt gy Sh, gy, silty coal Sh, lt gy to vdkgy	
1650											Sh, blk Sh, lt gy to vdkgy, min. tan Sh, var-col, lt gy, gy, gn-gy, red, tan Sh, lt gn, lt gy, red, tan	

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Depth	Lithology	Shows	By David Griffin, RG, Lawrence, KS				Well No: Wilson D-1				Pg. 3 of 3	
			Penetration Rate		Total Gas		Location: NW 1/4 NW 1/4, S1154A, S2804E1				Datum/Elev.	
			Min./Foot		Units		SEC. 2, T22S-R13E, Coff. Co., KS				KB 1153	
			0	5	10	15	0	50	100	150	Sample Descriptions	
1650 2-27-10 1AM											Sh, gy, grn, rd, tan, mar	
											sh, AA, few silt lam, silcew	
											sh, AA, abd. siderite nod.	
											sh, ltgy, gg to grn-gg, ptly silty	
											Sh, AA	
1700											sh, blk	
											Ls, lt bn, f-mxln	
											sh, ltgy, ltgn-gg, vdkgy	
											Coal	
											Sh, ltgy to vdk gy	
											Sh, Bk, mingy, mtc	
1750											AA, few gy silt lam	
											AA, coaly	
											Sh, gy to vdkgy/bk	
											sh, gy to dkggy, silty, mtc	
											AA	
1800											AA	
											siltst, ltgy, lam, silcem, prph, <1% ss, vfgn, off-wh, cln, prph, NS No odor	
											sh, dkggy, 70% silt lam 20%, hd, prph, 5% ss, off-wh, sil cem, prph, NS, No odr.	
											sh, AA, 10% silt lam, few cs qtz lgs, dissem. No odr, NS	
											cht, 20%, vltgy to off-wh, shp, dol, tn to gy-tu, vfxln, prph, NS, No odr.	
											Ls, tn, mxln, gnt, f-prph, NS, 10% cht AA, few dol intbd, NS	
											Ls, tan, foss gntu, mxln, NS	
											cht, 20%, milky wh	
1850											dol, lt tan, vfxln, NS, prph	
											cht, 30% off-wh, shp	
											Ls, gy, ffxln, NS	
740A 2-27-10												

MISS
1827(-674)

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