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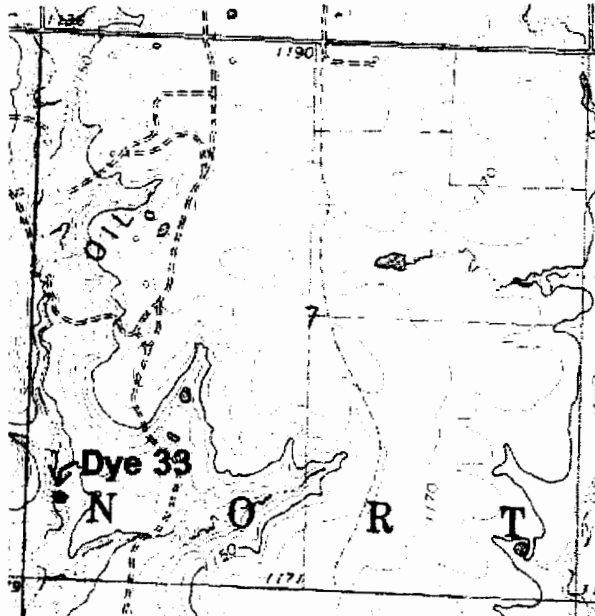
Geological Wellsite Report

July 1, 2007

Haas Petroleum, LLC
800 W. 47th St, Suite 409
Kansas City, MO 64112
Attn: Mark Haas

EnerJex Resources, Inc.
7300 W. 110th St., 7th Floor
Overland Park, KS 66210
Attn: Brad Kramer

RE: Geological Wellsite Report
Dye No. 33, Producer Well
S2 NW SW SW4
Section 7, T24S – R14E
Woodson County, Kansas



The following report on the subject well includes detailed information and geological data based on microscopic examination of rotary drill cuttings and drill bit rate of penetration from 1230' to a total depth of 1727' below the kelly bushing. A detailed log that plots drilling time, sample cuttings description and the geological tops is included. Subsea corrected geological tops were based on an estimated kelly bushing elevation of 1089', which is 7' above the estimated topo ground level elevation of approximately 1082'.

Daily Progress

June 25, 2007; Spud Well, Set approximately 40' of 8 5/8-inch surface casing.

June 26, 2007; Drill from 41' to 730'.

June 27, 2007; Drill from 730' to 1686'

June 28, 2007; Drill from 1686' to TD at 1727', Run Open-Hole Log, Set and cement 4½-inch casing.

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Well Information

Well Name: Dye No. 33 **Elev.:** Topo Est. GL 1082', KB 10890'

Location: S2 NW SW SW4
331' fwl, 894' fsl (Laser Range Finder)
Section 7, T 24S—R 14E
Woodson County, Kansas

GPS lat long Coord: N37.96957, W-95.92091

API No.: 15-207-27181-00-00 **Field:** Winterschied

Operator: Haas Petroleum, LLC

Contact Person: Mark Haas

Drilling Co.: Skyy Drilling
Yates Center, Kansas, 66865
KS Operator License No.: 33557

Drilling Co. Owner: Mark Haas **Tool Pusher:** Ben Harrell

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

Status: Pending Completion **Spud Date:** June 25, 2007

Driller Total Depth: 1727' KB **Date Reached TD:** June 28, 2007

Open-Hole Log Total Depth: 1732' KB

Surface Casing: Hole drilled with 12 1/4" bit, 40' of 8 5/8",
Cemented with approximately 30 sacks of class "A" cement with 2% gel
and 3% CaCl₂ on June 25, 2007.

Drilling Notes: Second well with 6-blade (Ulterra) PDC 6 3/4-inch Bit from 40' to 1727' TD
(6) 5 3/4-inch drill collars
3 1/2" by 31' (average length) drill pipe
Mud pump, 2-Cylinder, 6" x 12" stroke
Drilling time provided from 1230' to TD
Sample travel time to surface (lag), approx. 1 min. per 125 to 150 feet

Mud Program: Native fresh water mud to 1200', fresh water gel mud from 1200' to TD
Fudd Mud, Inc. provided daily monitoring of chemical drilling mud,
Preferred properties; 33 to 36 vis, 8.9 to 9.4 wt.

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Dye No. 33
Wellsite Geology Report
By David Griffin, RG
July 1, 2007

Geological Supervision:

David Griffin, RG, provided wellsite supervision from June 27 and June 28, 2007 for depths from 1230' to 1727' TD and for open-hole logging. Samples microscopically examined for the entire interval.

Logs and Cores:

Open-hole density, porosity, dual induction, and microlog logs were ran for this well by Osage Wireline. A cased-hole gamma-ray neutron log will later be obtained for correlation and perforation considerations. No cores were cut for this well.

Geological Datums:

Dye No.33, Geological Tops					Dye 29
S2 NW SW SW4 Sec. 7	KB Sample Depth		KB Log Depth		CE2 NW SW SW4
Topo KB Elev. 1089	Depth	Subsea	Depth	Subsea	Survey KB Elev. 1104, OH Log, Subsea
Ireland SS	195	894	193	896	916
Base of Kansas City Group	921	168	925	164	178
Cherokee Group	1241	-152	1247	-158	-152
U. Squirrel SS	1245	-156	1253	-164	-161
Ardmore LS	1347	-258	1354	-265	-260
Cattleman SS	1358	-269	1363	-274	-270
Bartlesville Zone	1461	-372	1466	-377	-364
Bartlesville SS	1470	-381	1475	-386	-425
Chat Conglomerate	1586	-497	1592	-503	-498
Mississippian LS	1599	-510	1604	-515	-513
Miss. Dol, Pay Zone	1611	-522	1618	-529	-529
Miss. LS 'B'	1680	-591	1686	-597	-566
Miss. Osage Dol.	1713	-624	1720	-631	NA
Total Depth	1727	-638	1732	-643	-612

Structural Comparisons:

Structural comparison of subsea corrected geological sample tops for Dye No. 33 to Dye No. 29, an injector well lying 261' to the northeast indicates that the top of the Mississippian limestone was 2' lower in structure and the top of the dolomite pay zone was at the same structure.

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CONSERVATION DIVISION
WICHITA, KS

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Hydrocarbon Shows and OH Log Saltwater Calculations

(See attached SW Calculation Tables)

Note: The Open-Hole Log KB tops are approximately 7 feet deeper than the sample drilling time KB tops for this well.

Douglas Group; Ireland Sandstone, Open-Hole Log tops, 193' to 210', Open-Hole Log indicates hydrocarbons present. The porosity in this interval ranges from 21% to 27% and Sw calculations range from 25% to 34% using the Archie Equation and values of R_w of 0.16 and M of 1.8. Since no oil show or odor was detected in the samples, it is believed the hydrocarbon log response is most likely from gas. However, this could not be confirmed since a gas detector was not available when drilling this well. It is unknown whether the zone has been properly cemented off in the nearby older wells which would greatly impact the commercial viability of this zone.

Kansas City Group, Bethany Falls Limestone, Open-Hole tops, 870' to 877', Log indicates hydrocarbon present in the observed oomoldic porosity development. The porosity in this interval ranges from 14% to 20% and Sw calculations range from 61% to 75%. With the absence of hydrocarbon odor, oil shows, fluorescence, or the use of a gas detector, the hydrocarbon response can not be confirmed but is likely from gas. The saltwater concentrations are probably high enough that this zone would likely produce much water and maybe some gas.

Cherokee Group; Upper Squirrel Sandstone, Open-Hole Log tops 1254' to 1266', good odor, good show of heavy dark brown oil, fair amount of oil washes from samples, fair oil scum on side of sample bags from bleeding oil. Best porosity is about 17% and calculates to be 66% saltwater. The log indicates three 1 to 2 foot thick shale or silt interbeds in the 12 foot interval of the sand body. If the sand section did not have these shale interbeds, it may be worth testing. If this zone were to be tested in this well, it would probably not be commercial. It appears that this zone is developing westward.

Mississippian; Dolomite, Sample observations indicate that cherty calcareous dolomite lies from 1611' to 1635' with varying amounts of oil showing throughout. Bright green hydrocarbon fluorescence varies from 15% to 80% in this zone, (see sample log for detail). The best oil show in the samples occurred from 1620' to 1630' with good vugular porosity containing 50% to 80% hydrocarbon fluorescence and very good odor and oil bleeding from the samples and sticking to the sample bags.

On the Open-Hole Log, the best oil bearing interval correspond to two porosity breaks that lie from 1626' to 1628' and 1632' to 1637'. Saltwater calculations range from 49.6% to 78.7% in these intervals using R_w of 0.11 and M of 2.0. With no open-hole log data to reference from producing wells on the lease, it is not clear if these percentages are in the productive range. However, based on the very good amount of oil washing from the samples, it is likely that the dolomitic pay zone in this well will be commercial.

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Sample Observations of Major Zones of Interest

Ireland Sandstone:

190' to 212', (Sample)

Sandstone, very light gray to clear, very fine to fine grained, mostly loose sand for sample, sub-angular quartz, very good to excellent porosity, no show of oil, odor or fluorescence. Open-Hole Log indicates hydrocarbon present, however it could not be confirmed.

Kansas City Group, Bethany Falls Limestone

865' to 875', (Sample)

Limestone, light tan to tan, medium to coarse crystalline, abundant oolites with good oomoldic porosity, no odor, no show of oil, no fluorescence. Open-Hole Log indicates hydrocarbon present, however, it could not be confirmed.

Upper Squirrel Sandstone:

1245' to 1260', (Sample)

Sandstone, gray, very fine grained, sub-angular quartz, fair to good porosity, good odor, good show of bleeding heavy brown oil, fair dark brown oil scum on bag, not fluorescent, minor mica.

Cattleman Sandstone:

1358' to 1362', (Sample)

Sandstone, gray, very fine grained, sub-angular, fair porosity, no odor, no show of oil, no fluorescence.

Bartlesville Sandstone:

1470' to 1475', (Sample)

Sandstone, gray, laminated, very fine to fine grained, sub-angular quartz, fair porosity, mica and carbon, no show of oil, odor, or fluorescence. The log shows poor development.

Pennsylvanian; Chat Conglomerate:

1584' to 1599', (Sample)

Conglomerate, vari-colored, sandy (very fine to medium grained quartz), silty, abundant chert (as gravel?) 20% to 25%, clay matrix in part, white to light gray to translucent gray, also contains dark gray shale, lower part may contain weathered tan limestone clasts, poor to fair granular porosity, no odor, no oil show or fluorescence.

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Mississippian:**Limestone****1599' to 1611', (Sample)**

Limestone, cream to tan, fine to medium crystalline, pelletal, grainstone, thin beds of light gray quartz silty sandstone, sand is very fine to medium grained well rounded quartz and glassy in part, poor sorting, limestone has fair crystalline porosity, no odor, no fluorescence, no show of oil. There may be some gray shale; however, it is difficult to discern from washout.

Dolomite, Pay Zone,**Best Pay, 1620' to 1630', (Sample)**

Dolomite, calcareous, grayish tan to tan to brown, very fine crystalline, fair to good crystalline and vugular porosity, contains chert beds from 5% to 30%, white to tan. Although the top of the dolomite is at 1611' and contained a good oil show in the samples to 1620', the interval from 1620' to 1630' appeared better and bleed very good amounts of oil.

Osage, Dolomite**1713' to 1727', (Sample)**

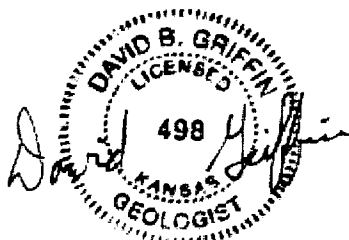
Dolomite, tan, 80% chert, white, tan and clear, fair to good sucrosic crystalline porosity in dolomite, fair crystalline porosity, dull green fluorescence, no odor or oil show detected.

Recommendations:

This well had good oil showing for approximately 24' from 1611' to 1635', with the best zone from 1620' to 1630' (sample), 1626' to 1637' (open-hole log). The best zone contained a very good show of oil in two porosity breaks with saltwater calculations that ranged from 49.6% to 78.7%. The top of the dolomite oil show zone was structurally level with the offsetting injector Dye No. 29 to the northeast. With the very good showing of oil and favorable structural position, the operator set and cement 4 1/2-inch casing.

Based on the log responses, saltwater calculations and sample observations, it is recommended that the best oil show be perforated from 1626' to 1636' (KB, Open-Hole Log) and stimulated with acid for intended use as a producing well.

Respectfully Submitted,



David B. Griffin, RG
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Attachments: Drilling Time, Sample Description and Geological Tops Log, Saltwater Calculation Tables

Dye No. 33
Mississippian Dolomite

Model: Archie

PARAMETERS		ZN	DEPTH	THK	RT	PHI	RWA	RO	MA	SW	BVW	VSH	PAY	FLOW
X		1	1610	0.5	53.7	8.8%	0.42	14.24	2.55	51.5%	0.045	0.156	0	
Y		2	1610.5	0.5	53.9	9.3%	0.50	12.85	2.64	46.7%	0.043	0.178	0	
A		3	1611	0.5	60.5	8.8%	0.46	14.33	2.59	48.7%	0.043	0.225	0	
M		4	1611.5	0.5	57	9.0%	0.47	13.44	2.60	48.6%	0.044	0.257	0	
N		5	1612	0.5	51.1	9.6%	0.47	12.05	2.62	48.5%	0.046	0.340	0	
RW	1.11	6	1612.5	0.5	43	9.1%	0.36	13.21	2.49	55.4%	0.051	0.423	0	
CTHK	40.5	7	1613	0.5	34	9.2%	0.29	13.03	2.40	61.9%	0.057	0.346	0	
AVPHI	0.14	8	1613.5	0.5	25.2	9.5%	0.23	12.09	2.31	69.2%	0.066	0.246	0	
FTOL	0.07	9	1614	0.5	17.9	9.1%	0.15	13.40	2.12	86.5%	0.078	0.226	0	
PAYFEE	9.0	10	1614.5	0.5	12.5	7.9%	0.08	17.82	1.86	119.4%	0.094	0.164	0	
P		11	1615	0.5	9	6.3%	0.04	27.30	1.60	174.1%	0.111	0.172	0	
Q		12	1615.5	0.5	7.01	6.4%	0.03	27.17	1.51	196.9%	0.125	0.248	0	
P		13	1616	0.5	5.82	8.0%	0.04	17.05	1.57	171.1%	0.137	0.252	0	
DMIN	1610	14	1616.5	0.5	5.14	9.1%	0.04	13.39	1.60	161.4%	0.146	0.198	0	
DMAZ	1650	15	1617	0.5	4.73	9.7%	0.04	11.75	1.61	157.6%	0.152	0.193	0	
KE	1089	16	1617.5	0.5	4.49	11.8%	0.06	7.95	1.73	133.1%	0.157	0.186	0	
TD	1727	17	1618	0.5	4.41	15.4%	0.10	4.64	1.97	102.6%	0.168	0.150	0	
BHT	90	18	1618.5	0.5	4.52	18.1%	0.15	3.35	2.18	86.0%	0.156	0.159	0	
ST	75	19	1619	0.5	4.86	19.1%	0.16	3.02	2.29	78.8%	0.150	0.246	0	
RMF	14	20	1619.5	0.5	5.44	19.3%	0.20	2.94	2.38	73.5%	0.142	0.282	0	
RMF	75	21	1620	0.5	6.27	19.1%	0.23	3.01	2.44	69.3%	0.132	0.282	0.03	
		22	1620.5	0.5	7.19	18.3%	0.24	3.30	2.46	67.7%	0.124	0.279	0.03	
CUT-OFFS		23	1621	0.5	8.01	18.0%	0.26	3.39	2.50	65.1%	0.117	0.287	0.03	
PHICUT	0.13	24	1621.5	0.5	8.52	17.8%	0.27	3.47	2.52	63.8%	0.114	0.283	0.03	
SWCUT	0.8	25	1622	0.5	8.57	16.0%	0.22	4.27	2.38	70.6%	0.113	0.218	0.02	
VSHCUT	0.3	26	1622.5	0.5	8.23	12.3%	0.12	7.27	2.06	94.0%	0.116	0.102	0	
BVWCUT	0.14	27	1623	0.5	7.73	7.3%	0.04	20.58	1.63	163.1%	0.119	0.062	0	
		28	1623.5	0.5	7.31	3.8%	0.01	76.82	1.28	324.3%	0.123	0.036	0	
Colors	ON	29	1624	0.5	7.06	3.5%	0.01	87.41	1.25	352.0%	0.125	0.069	0	
		30	1624.5	0.5	6.99	6.7%	0.03	24.15	1.54	185.8%	0.125	0.131	0	
IRSH		31	1625	0.5	7.07	10.2%	0.07	10.52	1.83	121.9%	0.125	0.091	0	
PHISH		32	1625.5	0.5	7.33	13.3%	0.13	6.23	2.08	92.2%	0.123	0.089	0	
		33	1626	0.5	7.82	15.6%	0.19	4.53	2.29	76.1%	0.119	0.094	0.02	
		34	1626.5	0.5	8.52	16.4%	0.23	4.08	2.41	68.8%	0.113	0.105	0.03	
		35	1627	0.5	9.65	15.8%	0.24	4.43	2.42	67.7%	0.107	0.121	0.03	
		36	1627.5	0.5	10.7	14.4%	0.22	5.31	2.36	70.4%	0.101	0.068	0.02	
		37	1628	0.5	11.4	12.5%	0.18	7.05	2.23	78.7%	0.098	0.056	0	
Lat-Long_to_UTM		38	1628.5	0.5	11.4	10.9%	0.13	9.32	2.09	90.5%	0.098	0.061	0	
LONG.		39	1629	0.5	10.8	10.1%	0.11	10.72	2.00	99.6%	0.101	0.063	0	
LAT.		40	1629.5	0.5	9.89	10.2%	0.10	10.48	1.97	102.9%	0.105	0.170	0	
UTMZONE		41	1630	0.5	8.92	10.8%	0.10	9.35	1.98	102.4%	0.111	0.329	0	
PRJZONE		42	1630.5	0.5	8.03	11.3%	0.10	8.60	1.97	103.5%	0.117	0.419	0	
UTM_X		43	1631	0.5	7.39	12.8%	0.12	6.76	2.04	95.6%	0.122	0.295	0	
UTM_Y		44	1631.5	0.5	6.95	15.3%	0.16	4.69	2.21	82.1%	0.126	0.177	0	
		45	1632	0.5	6.61	17.8%	0.21	3.46	2.38	72.3%	0.129	0.108	0.02	
SIM. PARAMETERS		46	1632.5	0.5	6.31	20.5%	0.26	2.62	2.55	64.5%	0.132	0.090	0.04	
GR. PAY		47	1633	0.5	6.07	24.1%	0.35	1.89	2.82	55.8%	0.135	0.150	0.05	
NET PAY		48	1633.5	0.5	5.95	27.4%	0.45	1.47	3.08	49.6%	0.136	0.200	0.07	
PAY TOP		49	1634	0.5	5.93	27.4%	0.45	1.46	3.08	49.6%	0.136	0.161	0.07	
AVG. PHI		50	1634.5	0.5	5.93	24.3%	0.35	1.86	2.82	56.0%	0.136	0.104	0.05	
PERM. X		51	1635	0.5	5.88	21.3%	0.27	2.44	2.57	64.3%	0.137	0.091	0.04	
PERM. Y		52	1635.5	0.5	5.79	19.9%	0.23	2.77	2.46	85.2%	0.138	0.107	0.03	
PERM. Z		53	1636	0.5	5.69	19.8%	0.22	2.79	2.44	70.1%	0.139	0.096	0.03	
OIL SAT.		54	1636.5	0.5	5.63	20.1%	0.23	2.71	2.46	69.4%	0.140	0.076	0.03	
WTR SAT.		55	1637	0.5	5.57	20.0%	0.22	2.74	2.44	70.1%	0.141	0.075	0	
INT. PR.		56	1637.5	0.5	5.49	19.1%	0.20	3.02	2.36	74.2%	0.142	0.072	0	
		57	1638	0.5	5.41	17.0%	0.16	3.79	2.20	83.7%	0.143	0.093	0	
LANDGRID		58	1638.5	0.5	5.36	14.7%	0.12	5.11	2.02	97.7%	0.143	0.131	0	
TWN		59	1639	0.5	5.34	12.2%	0.08	7.35	1.85	117.3%	0.144	0.114	0	
SEC		60	1639.5	0.5	5.36	10.8%	0.06	9.50	1.74	133.1%	0.143	0.097	0	
Ft. North		61	1640	0.5	5.38	11.3%	0.07	8.55	1.79	126.0%	0.143	0.070	0	
Ft. South		62	1640.5	0.5	5.39	12.5%	0.08	6.99	1.87	114.0%	0.143	0.081	0	
Ft. East		63	1641	0.5	5.37	14.4%	0.11	5.29	2.01	99.2%	0.143	0.120	0	
Ft. West		64	1641.5	0.5	5.31	15.6%	0.13	4.53	2.09	92.3%	0.144	0.131	0	
		65	1642	0.5	5.23	16.1%	0.14	4.24	2.12	90.0%	0.145	0.118	0	
CROSS SECTION		66	1642.5	0.5	5.21	16.6%	0.14	3.98	2.15	87.4%	0.145	0.151	0	
DATUM 1		67	1643	0.5	5.32	16.6%	0.15	3.97	2.16	86.4%	0.144	0.278	0	
DATUM 2		68	1643.5	0.5	5.6	15.7%	0.14	4.48	2.12	89.5%	0.140	0.481	0	
No. of Prt		69	1644	0.5	5.99	14.4%	0.12	5.31	2.06	94.2%	0.136	0.694	0	
		70	1644.5	0.5	6.33	13.7%	0.12	5.83	2.04	96.0%	0.132	0.685	0	
		71	1645	0.5	6.57	14.8%	0.14	5.00	2.14	87.3%	0.129	0.580	0	
		72	1645.5	0.5	6.76	16.3%	0.18	4.12	2.27	78.1%	0.128	0.628	0	
		73	1646	0.5	6.95	16.5%	0.19	4.03	2.30	76.2%	0.126	0.752	0	
		74	1646.5	0.5	7.14	15.2%	0.17	4.73	2.22	81.4%	0.124	0.667	0	
		75	1647	0.5	7.34	13.2%	0.13	6.30	2.08	92.6%	0.122	0.403	0	
		76	1647.5	0.5	7.45	11.6%	0.10	8.15	1.96	104.6%	0.122	0.289	0	
		77	1648	0.5	7.5	11.1%	0.09	8.97	1.92	109.4%	0.121	0.268	0	
		78	1648.5	0.5	7.57	10.9%	0.09	9.23	1.91	110.4%	0.121	0.264	0	
		79	1649	0.5	7.63	11.3%	0.10	8.57	1.95	106.0%	0.120	0.269	0	
		80	1649.5	0.5	7.77	13.3%	0.14	6.21	2.11	89.4%	0.119	0.254	0	
		81	1650	0.5	8.11	14.6%	0.17	5.14	2.24	79.6%	0.116	0.347	0	

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Dye No 33
Squirrel Sandstone

Model = Archie

PARAMETERS		ZN	DEPTH	THK	RT	PHI	RWA	RO	MA	SW	BVW	VSH	PAY	FLOW
X		1	1250	0.5	7.59	29.2%	0.83	1.01	3.44	36.5%	0.106	0.676	0.09	
Y		2	1250.5	0.5	7.98	19.6%	0.43	2.06	2.63	50.9%	0.100	0.641	0.05	
IA		3	1251	0.5	8.17	10.5%	0.14	6.36	1.91	88.3%	0.093	0.662	0	
IM		4	1251.5	0.5	8.09	6.5%	0.06	15.25	1.57	137.3%	0.089	0.718	0	
IN		5	1252	0.5	7.95	5.1%	0.04	23.17	1.44	170.7%	0.087	0.681	0	
RW		6	1252.5	0.5	7.83	5.5%	0.04	20.18	1.47	160.5%	0.089	0.566	0	
CTHK	26.1	7	1253	0.5	7.72	8.1%	0.08	10.14	1.69	114.6%	0.093	0.618	0	
AVPHI	0.12	8	1253.5	0.5	7.67	10.9%	0.14	5.95	1.91	88.1%	0.096	0.699	0	
FTOIL	0.44	9	1254	0.5	7.67	12.1%	0.17	4.96	2.01	80.4%	0.097	0.717	0	
PAYFEET		10	1254.5	0.5	7.63	12.2%	0.17	4.86	2.01	79.8%	0.097	0.805	0	
P		11	1255	0.5	7.59	13.0%	0.19	4.36	2.07	75.7%	0.098	0.808	0	
Q		12	1255.5	0.5	7.64	14.7%	0.24	3.45	2.22	67.2%	0.099	0.739	0	
R		13	1256	0.5	7.64	15.3%	0.26	3.22	2.26	64.9%	0.099	0.577	0.03	
DMIN	1250	14	1256.5	0.5	7.48	14.3%	0.23	3.65	2.17	69.9%	0.100	0.472	0.02	
DMAX	1275	15	1257	0.5	7.22	13.7%	0.20	3.93	2.11	73.8%	0.101	0.427	0.02	
KS	1089	16	1257.5	0.5	6.99	13.8%	0.20	3.89	2.10	74.5%	0.103	0.431	0.02	
TD	1177	17	1258	0.5	6.83	13.0%	0.19	3.86	2.09	75.2%	0.104	0.509	0.02	
BHT		18	1258.5	0.5	6.7	13.4%	0.18	4.08	2.05	78.1%	0.105	0.705	0	
ST		19	1259	0.5	6.52	12.7%	0.16	4.53	1.98	83.3%	0.106	0.823	0	
RMF	74	20	1259.5	0.5	6.34	12.9%	0.16	4.37	1.98	83.0%	0.107	0.808	0	
RMFT	71	21	1260	0.5	6.22	14.3%	0.19	3.64	2.08	76.5%	0.110	0.685	0.02	
		22	1260.5	0.5	6.14	15.2%	0.21	3.24	2.14	72.6%	0.111	0.513	0.02	
CUT-OFFS		23	1261	0.5	6.08	15.0%	0.20	3.34	2.12	74.1%	0.111	0.422	0.02	
PHICUT	0.125	24	1261.5	0.5	6.04	14.8%	0.19	3.42	2.10	75.3%	0.112	0.438	0.02	
SWCUT	0.8	25	1262	0.5	6.01	15.6%	0.21	3.12	2.15	72.0%	0.112	0.521	0.02	
VSHCUT	0.7	26	1262.5	0.5	5.99	16.5%	0.23	2.81	2.22	68.5%	0.113	0.587	0.03	
BVWCUT	0.14	27	1263	0.5	6.06	16.9%	0.25	2.70	2.26	66.7%	0.113	0.626	0.03	
		28	1263.5	0.5	6.18	16.9%	0.25	2.70	2.27	66.1%	0.112	0.739	0	
Colors:	ON	29	1264	0.5	6.32	16.6%	0.25	2.79	2.25	66.5%	0.110	0.706	0	
		30	1264.5	0.5	6.46	16.1%	0.24	2.95	2.23	67.5%	0.108	0.500	0.03	
RSH		31	1265	0.5	6.72	15.6%	0.24	3.10	2.22	68.0%	0.106	0.612	0.03	
PHISH		32	1265.5	0.5	6.94	14.0%	0.20	3.77	2.11	73.7%	0.103	0.757	0	
		33	1266	0.5	7.14	11.1%	0.14	5.72	1.90	89.5%	0.100	0.868	0	
		34	1266.5	0.5	7.31	9.4%	0.10	7.70	1.76	102.7%	0.097	0.956	0	
		35	1267	0.5	7.42	9.6%	0.11	7.40	1.80	99.9%	0.096	0.899	0	
		36	1267.5	0.5	7.48	10.2%	0.12	6.65	1.85	94.3%	0.097	0.859	0	
		37	1268	0.5	7.53	10.0%	0.12	6.97	1.83	96.2%	0.096	1.030	0	
Lat-Long_to_UTM		38	1268.5	0.5	7.57	9.8%	0.12	7.17	1.82	97.3%	0.096	1.075	0	
LONG.		39	1269	0.5	7.56	10.1%	0.12	6.82	1.84	95.0%	0.096	0.935	0	
LAT.		40	1269.5	0.5	7.52	10.1%	0.12	6.86	1.84	95.5%	0.096	0.866	0	
UTMZONE		41	1270	0.5	7.48	9.9%	0.12	7.05	1.83	97.1%	0.096	0.884	0	
PRJZONE		42	1270.5	0.5	7.43	9.4%	0.10	7.79	1.78	102.4%	0.096	1.005	0	
UTM_X		43	1271	0.5	7.39	8.5%	0.09	9.22	1.71	111.7%	0.095	1.090	0	
UTM_Y		44	1271.5	0.5	7.34	8.7%	0.09	8.86	1.72	109.8%	0.096	1.123	0	
		45	1272	0.5	7.29	9.8%	0.11	7.17	1.81	99.1%	0.097	1.231	0	
SIM. PARAMETERS		46	1272.5	0.5	7.25	10.8%	0.13	6.05	1.88	91.3%	0.099	1.306	0	
GR. PAY		47	1273	0.5	7.22	10.7%	0.13	6.12	1.87	92.1%	0.099	1.191	0	
NET PAY		48	1273.5	0.5	7.19	10.2%	0.12	6.66	1.83	96.2%	0.098	1.095	0	
PAY TOP		49	1274	0.5	7.18	10.4%	0.12	6.46	1.85	94.8%	0.099	1.072	0	
AVG. PHI		50	1274.5	0.5	7.21	11.1%	0.14	5.74	1.90	89.2%	0.099	1.034	0	
PERM. X		51	1275	0.5	7.23	12.0%	0.16	4.99	1.97	83.1%	0.100	1.033	0	
PERM. Y														
PERM. Z														
OIL SAT.														
WTR SAT.														
INT PR														
LANDGRID														
TWN														
SEC														
Ft. North														
Ft. South														
Ft. East														
Ft. West														
CROSS SECTION														
DATUM 1														
DATUM 2														
No. of Prf														

RECEIVED
KANSAS CORPORATION COMMISS

JUN 18 2008

CONSERVATION DIVISION
MURKIN, KS

Dye No. 33
Bethany Falls LS

Model = Archie

PARAMETERS	ZN	DEPTH	THK	RT	PHI	RWA	RO	MA	SW	BVW	VSH	PAY	FLOW
X	1	865	0.5	9.18	21.7%	0.43	2.77	2.78	54.9%	0.119	3.012	0	
Y	2	865.5	0.5	9.41	25.7%	0.62	1.97	3.15	45.7%	0.118	5.058	0	
Z	3	866	0.5	9.67	27.2%	0.72	1.75	3.31	42.5%	0.116	6.447	0	
M	4	866.5	0.5	9.74	25.1%	0.62	2.06	3.13	46.0%	0.116	5.063	0	
N	5	867	0.5	9.87	20.1%	0.40	3.29	2.70	57.0%	0.115	2.382	0	
IRW	6	867.5	0.5	10	17.7%	0.31	4.15	2.51	64.3%	0.114	1.027	0	
CTHK	7	868	0.5	9.95	19.5%	0.38	3.42	2.65	58.6%	0.114	0.797	0	
AVPHI	8	868.5	0.5	9.92	21.1%	0.44	2.91	2.79	54.1%	0.114	0.835	0	
FTOIL	9	869	0.5	10.2	20.7%	0.44	3.04	2.77	54.6%	0.113	0.823	0	
PAYFEET	10	869.5	0.5	10.7	18.8%	0.38	3.69	2.64	58.7%	0.110	0.616	0	
F	11	870	0.5	11.3	16.1%	0.29	5.04	2.44	66.8%	0.107	0.429	0	
G	12	870.5	0.5	11.7	14.1%	0.23	6.57	2.29	74.9%	0.105	0.287	0.02	
H	13	871	0.5	11.6	14.7%	0.25	5.99	2.34	71.9%	0.106	0.135	0.02	
DMIN	14	871.5	0.5	11	16.1%	0.28	5.05	2.43	67.7%	0.109	0.057	0.03	
DMAX	15	872	0.5	10.3	16.3%	0.28	4.86	2.41	68.7%	0.112	0.091	0.03	
KB	16	872.5	0.5	9.68	16.5%	0.26	4.76	2.39	70.2%	0.116	0.106	0.02	
TD	17	873	0.5	9.19	17.1%	0.27	4.43	2.41	69.4%	0.119	0.056	0.03	
BHT	18	873.5	0.5	8.66	18.7%	0.31	3.70	2.52	64.6%	0.121	0.062	0.03	
ST	19	874	0.5	8.62	19.9%	0.34	3.27	2.60	61.6%	0.123	0.093	0.04	
RMF	20	874.5	0.5	8.52	19.3%	0.32	3.48	2.54	63.9%	0.123	0.136	0.03	
RMFT	21	875	0.5	8.68	18.2%	0.29	3.93	2.47	67.2%	0.122	0.149	0.03	
	22	875.5	0.5	9.13	18.0%	0.30	4.00	2.48	66.2%	0.119	0.148	0.03	
CUT-OFFS	23	876	0.5	9.88	18.2%	0.33	3.94	2.54	63.2%	0.115	0.188	0.03	
PHICUT	0.13	24	876.5	0.5	10.9	17.4%	0.33	4.31	2.53	63.0%	0.109	0.229	0.03
SWCUT	0.8	25	877	0.5	12	15.5%	0.29	5.38	2.43	66.9%	0.104	0.235	0.03
VSHCUT	0.3	26	877.5	0.5	13.4	12.9%	0.22	7.77	2.27	76.1%	0.098	0.230	0
BVWCUT	0.14	27	878	0.5	15.2	10.5%	0.17	11.90	2.11	88.5%	0.092	0.216	0
	28	878.5	0.5	17.2	8.3%	0.12	19.08	1.96	105.2%	0.087	0.254	0	
Colors	ON	29	879	0.5	19.5	6.2%	0.08	33.79	1.80	131.6%	0.082	0.290	0
	30	879.5	0.5	22	4.6%	0.05	62.53	1.66	168.4%	0.077	0.241	0	
RSH		31	880	0.5	24.6	3.4%	0.03	115.78	1.54	216.9%	0.073	0.154	0
PHISH		32	880.5	0.5	27.1	3.6%	0.03	102.08	1.60	193.9%	0.069	0.131	0
	33	881	0.5	29.8	4.7%	0.07	59.05	1.78	140.7%	0.066	0.117	0	
	34	881.5	0.5	32.6	5.3%	0.09	46.61	1.88	119.6%	0.063	0.122	0	
	35	882	0.5	35	5.2%	0.09	48.06	1.89	117.2%	0.061	0.155	0	
	36	882.5	0.5	37.4	4.5%	0.07	65.01	1.82	131.8%	0.059	0.116	0	
	37	883	0.5	39.6	4.1%	0.07	78.52	1.79	140.8%	0.057	0.100	0	
Lat-Long_to_UTM		38	883.5	0.5	40.5	5.0%	0.10	51.17	1.92	112.3%	0.057	0.074	0
LONG.		39	884	0.5	41.3	5.0%	0.11	51.05	1.93	111.2%	0.056	0.062	0
LAT.		40	884.5	0.5	40.7	3.6%	0.05	102.53	1.72	158.6%	0.056	0.094	0
UTMZONE		41	885	0.5	36.3	2.2%	0.02	267.03	1.48	271.1%	0.060	0.138	0
PRJZONE													
UTM, X													
UTM, Y													
SIM. PARAMETERS													
GR. PAY													
NET. PAY													
PAY TOP													
AVG. PHI													
PERM. X													
PERM. Y													
PERM. Z													
OIL SAT.													
WTR SAT.													
INT PR													
LANDGRID													
TWN													
SEC													
Ft. North													
Ft. South													
Ft. East													
Ft. West													
CROSS SECTION													
DATUM 1													
DATUM 2													
No. of Prf													

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 18 2008

CONSERVATION DIVISION
ATCHISON, KS

Dye No. 33

ireland SS

Model = Archie

PARAMETERS	ZN	DEPTH	THK	RT	PHI	RWA	RO	MA	SW	BVW	VSH	PAY	FLOW
X	1	190	0.5	19.6	19.4%	1.02	3.07	2.93	39.6%	0.077	0.676	0	
Y	2	190.5	0.5	20.1	18.8%	0.99	3.23	2.89	40.1%	0.075	0.665	0	
Z	3	191	0.5	20.6	19.2%	1.06	3.11	2.95	38.8%	0.075	0.697	0	
M	4	191.5	0.5	21.2	20.4%	1.21	2.80	3.07	36.4%	0.074	0.660	0	
N	5	192	0.5	22	22.2%	1.46	2.40	3.27	33.1%	0.073	0.576	0	
RW	6	192.5	0.5	22.8	24.6%	1.83	2.00	3.54	29.6%	0.073	0.418	0	
CTHK	7	193	0.5	23.5	26.5%	2.15	1.75	3.75	27.3%	0.072	0.229	0.10	
AVPHI	8	193.5	0.5	23.8	26.7%	2.21	1.73	3.79	26.9%	0.072	0.136	0.10	
FTOIL	9	194	0.5	23.9	25.6%	2.05	1.86	3.67	27.9%	0.071	0.127	0.09	
PAYFEET	10	194.5	0.5	23.5	24.7%	1.89	1.99	3.56	29.1%	0.072	0.144	0.09	
P	11	195	0.5	23	24.2%	1.78	2.06	3.50	30.0%	0.072	0.147	0.08	
Q	12	195.5	0.5	22.5	24.4%	1.77	2.03	3.50	30.1%	0.073	0.114	0.09	
R	13	196	0.5	22.1	25.3%	1.86	1.90	3.59	29.3%	0.074	0.129	0.09	
DMIN	14	196.5	0.5	21.7	26.5%	1.98	1.75	3.69	28.4%	0.075	0.157	0.09	
DMAX	15	197	0.5	21.4	27.5%	2.10	1.63	3.79	27.6%	0.076	0.220	0.10	
KB	16	197.5	0.5	21.4	28.2%	2.18	1.57	3.86	27.1%	0.076	0.191	0.10	
TD	17	198	0.5	21.4	28.0%	2.16	1.59	3.84	27.2%	0.076	0.101	0.10	
BHT	18	198.5	0.5	21.7	27.5%	2.12	1.63	3.80	27.4%	0.075	0.070	0.10	
ST	19	199	0.5	22.2	27.8%	2.22	1.60	3.85	26.9%	0.075	0.039	0.10	
RMF	20	199.5	0.5	22.9	28.6%	2.42	1.52	3.97	25.7%	0.074	0.011	0.11	
RMFT	21	200	0.5	23.7	29.4%	2.61	1.45	4.08	24.8%	0.073	0.023	0.11	
	22	200.5	0.5	24.4	29.7%	2.75	1.42	4.15	24.1%	0.072	0.059	0.11	
CUT-OFFS	23	201	0.5	25.2	30.0%	2.88	1.40	4.20	23.6%	0.071	0.078	0.11	
PHICUT	24	201.5	0.5	25.7	30.0%	2.94	1.40	4.22	23.3%	0.070	0.065	0.11	
SWCUT	25	202	0.5	25.7	28.7%	2.73	1.51	4.07	24.2%	0.070	0.032	0.11	
VSHCUT	26	202.5	0.5	25.5	25.4%	2.16	1.89	3.70	27.2%	0.069	0.024	0.09	
BVWCUT	27	203	0.5	24.8	21.3%	1.53	2.59	3.26	32.3%	0.069	0.011	0.07	
	28	203.5	0.5	23.9	18.5%	1.15	3.32	2.97	37.3%	0.069	0.013	0	
Colors	29	204	0.5	23	18.2%	1.07	3.44	2.91	38.7%	0.070	0.008	0	
	30	204.5	0.5	22.1	20.0%	1.21	2.91	3.06	36.3%	0.072	-0.004	0	
RSH	31	205	0.5	21.3	23.2%	1.53	2.23	3.34	32.4%	0.075	0.024	0.08	
PHISH	32	205.5	0.5	20.5	26.3%	1.86	1.77	3.64	29.4%	0.077	0.050	0.09	
	33	206	0.5	19.8	28.5%	2.06	1.54	3.83	27.9%	0.079	0.064	0.10	
	34	206.5	0.5	18.8	29.3%	2.06	1.46	3.88	27.9%	0.082	0.097	0.11	
	35	207	0.5	17.7	28.5%	1.85	1.53	3.75	29.4%	0.084	0.098	0.10	
	36	207.5	0.5	16.6	27.2%	1.59	1.67	3.56	31.7%	0.086	0.052	0.09	
	37	208	0.5	15.7	26.4%	1.43	1.75	3.44	33.5%	0.088	0.044	0.09	
Lat-Long_to_UTM	38	208.5	0.5	14.9	25.0%	1.32	1.81	3.36	34.9%	0.090	0.080	0.08	
LONG.	39	209	0.5	14.4	24.7%	1.16	1.98	3.22	37.1%	0.092	0.207	0	
LAT.	40	209.5	0.5	14	22.0%	0.92	2.43	2.96	41.6%	0.092	0.367	0	
UTMZONE	41	210	0.5	13.8	18.5%	0.66	3.34	2.64	49.2%	0.091	0.518	0	
PRJZONE	42	210.5	0.5	13.6	15.3%	0.46	4.71	2.37	58.8%	0.090	0.719	0	
UTM, X	43	211	0.5	13.5	12.6%	0.33	6.63	2.14	70.1%	0.089	0.970	0	
UTM, Y	44	211.5	0.5	13.2	11.0%	0.25	8.53	2.00	80.4%	0.088	1.063	0	
	45	212	0.5	12.9	10.1%	0.21	9.85	1.92	87.4%	0.089	1.127	0	
SIM. PARAMETERS	46	212.5	0.5	12.4	9.6%	0.18	10.95	1.85	93.8%	0.090	1.057	0	
GR. PAY	47	213	0.5	11.8	8.9%	0.15	12.38	1.78	102.4%	0.091	0.914	0	
NET PAY	48	213.5	0.5	10.9	9.0%	0.14	12.25	1.75	108.1%	0.095	0.837	0	
PAY TOP	49	214	0.5	9.8	10.4%	0.17	9.40	1.82	97.9%	0.102	0.955	0	
AVG. PHI	50	214.5	0.5	8.92	12.6%	0.21	6.68	1.94	86.5%	0.109	1.086	0	
PERM. X	51	215	0.5	8.34	14.2%	0.25	5.39	2.02	80.4%	0.114	1.089	0	
PERM. Y													
PERM. Z													
OIL SAT.													
WTR SAT.													
INT PR													

LANDGRID

TWN

SEC

Ft. North

Ft. South

Ft. East

Ft. West

CROSS SECTION

DATUM 1

DATUM 2

No. of Prt

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 18 2008

CONSERVATION DIVISION
ALBUQUERQUE, NM

Depth	Lithology	Shows	Drilling Time in Minutes per Foot Rate of Penetration Decreases		Well No: Dye No. 33 894' fsl, Location: S/2 NWSWSW 331' fwl, sec 7, T24S-R14E	Sample Descriptions	Pg. 1 of 3
			→ 51015202530				Datum/Elev. KB1089, Topo
1200 6-27-07							Remarks
11:15 AM					10' samples		
						sh, gray	
						LS, tan, gray, NS, tr sh, blk	Cherokee
						shale, greenish, LS conc.	1241 (-152)
1250		ad show heavy oil				SS, gray, vf-grnd, frng dph, good	U.S. QSS
						odor, good show free heavy oil, dk brn, oil washes out, fair bleeding, fair oil scum on bag, No Fluor.	1245 (-156)
						siltstone, lum, grn to gray	
						sh, gg, mica, carb, silty.	
						sh, gy, mica, minor silt	
						LS, gy to dk gy, brn, sandy, NS	
						crinoids	
1300						SS, gy, dense, vf. sand, NS	
						Sh, dk gy, silty, mica, 5% SS	
						vf. sand lum, NS, carb.	
						Sh, vdk gy, silty, carb, 20% SS & silt/lum	
						NS	
						sh, vdk gy, minor silt	
						coal	
						LS, dk gray-brown, dense	Ardmore LS
1350						sh, blk	1347 (-258)
						sh, gg, dk gy, silty	Cattleman SS
						SS, gg, vf-grnd, sub-ang & tr, frd mica, NS or Fluor, no odor	1358 (-269)
						shale, gy, mica, carb, silty	
						sh, lt gy to blk	
						sh, gray, with 25% siderite abundant	
						coal	
						LS, tan concretions?	
1400						sh, lt gy-gg	
						coal	
						LS, tan trace	
						sh, dk gy, 10% silt/lum	
						few tan claystone beds, 20%	
						coal	
						sh, vdk gray, claystone, brown	
						shale, blk	
5 PM 7-27-07 1450						LS, vdk gy, dense	

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Depth	Lithology	Shows	Drilling Time in Minutes per Foot Rate of Penetration Decreases		Well No: Dye No. 33	Pg 2 of 3	
			5 10 15 20 25 30		Location: S/2 NWSW SW 1/4 SEC 7 T24S-R14E	Datum/Elev. KB 1084 to top	
			10' Samples		Sample Descriptions	Remarks	
1450	6-27-07 SPM				sh, blk	Bartlesville Zone 1461 (-372)	
					sh, gy, silty mica		
					sh, dk gy, silty, mica		
					ss, gy, v.f. - f. grnd. sub ang. f. z., fr. mica, carb 50% rest is shale, dk gy, mica, silty, carb		
					sh, lt gy to gy, abndt siderite nodules, (20%) v.f. silt tan (20%)		
1500					siltstone, lt gray		
					shale, black		
					sh, vdk gy to blk, few silt tan well cemented.		
					LS, dk gy		
					shale, blk		
1550					sh, gy - vdk gy		
					siltstone, tan, clayey, coal		
					sh, vdk gy to blk		
					sh, AA w/ hard silt tan		
					conglomerate		
1600					Gry tan, sandy, silty, mostly v.f., few med gns, pr. n.s., 20% chert wh. to trans. gy, also sh, vdk gy No show or odor	Chat Cgl. 1584 (-495)	
					No Time Start 5' Samples Geograph Broken Start Stop Mark Run	Cgl, grn-gy to tan, sandy, silty, v.f. - m. f. z., clay matrix, 25% chert, trans. gy to wh. few LS clasts tan, n.s. or odor	Miss. LS 1599 (-510)
						LS, cream to tan, f-m x tln, grainstone, fr. d., with silty ss gy to tan-gy, clear & glassy in part	Miss Dol Pay 1611 (-522)
						Dol, calcitic, tan to brn, good x tln q, gd oil show in tan dol, good odor, gd fluor scum 1611-15, fr. 1615-20	RECEIVED KANSAS CORPORATION COMMISSION JUN 18 2008 CONSERVATION DIVISION WICHITA, KS
						Bed of LS & chert Dol, v. calcitic, tan, pr-gd x tln & gavg p v. gd oil washing from sample let v. gd fluor scum on bag, chert beds → Best Pay 1620 - 1630 ←	
1650					Dol, tan to dk brn, v.f. - f. x tln, fr-gd vug p, 5% chert, wh. tan - clr. good x tlns of clear dol, n.s. or odor		
					Dol, lt gy w/ gymottling, pr. p, tr glauc.		
					LS interbed, n.s. or odor cream, v.f. x tln, minor chert		
					Dol, lt gy & brn-gy, n.s., chert 30% clr to trans. wh, min. p. yr.		
6-27-07					LS, tannish gy w/ gymottling, f. x tln	Miss LS 1680 (-591)	
6-28-07					fr x tln p, No show or odor chert, wh. to tan to clear		
1700					LS, lt brown to tan, abndt pellets, grainstone, perhaps oolitic		

