

ORIGINAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33741  
Name: EnerJex Kansas, Inc.  
Address: 27 Corporate Woods, Suite 350, 10975 Grandview Drive  
City/State/Zip: Overland Park, KS 66210  
Purchaser: Shell Trading U. S. Company  
Operator Contact Person: Marcia Littell  
Phone: (913) 754.7738  
Contractor: Name: Skyy Drilling, L.L.C.  
License: 33557  
Wellsite Geologist: David Griffin, RG

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Enhr./SWD  
 Plug Back  Plug Back Total Depth  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?)  Docket No. \_\_\_\_\_

September 29, 2009	October 2, 2009	November 13, 2009
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 001-29889-00-00

County: Allen  
~~NE SW SE NW~~ SE NE  
Sec. 26 Twp. 24 S. R. 17  East  West  
3000 feet from (S) N (circle one) Line of Section  
1415 990 feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE (SE) NW SW  
Lease Name: Barnhart Well #: 1-26  
Field Name: Iola

Producing Formation: Bartlesville  
Elevation: Ground: 1050' Kelly Bushing: \_\_\_\_\_  
Total Depth: 1250' Plug Back Total Depth: 1240'  
Amount of Surface Pipe Set and Cemented at 20 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 1240  
feet depth to surface w/ 150 sx cmt.

Drilling Fluid Management Plan Alt II NR 12-22-09  
(Data must be collected from the Reserve Pit)  
Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used \_\_\_\_\_  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Marcia Littell  
Title: Compliance Coordinator Date: December 15, 2009  
Subscribed and sworn to before me this 15th day of December  
09  
Notary Public: Maureen Elton  
Date Commission Expires: 9/18/2010

**KCC Office Use ONLY**

Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received **RECEIVED**  
 Geologist Report Received **KANSAS CORPORATION COMMISSION**  
 UIC Distribution **DEC 17 2009**

**MAUREEN ELTON**  
Notary Public, State of Kansas  
My Commission Expires 9/18/2010

CONSERVATION DIVISION  
WICHITA, KS

Operator Name: EnerJex Kansas, Inc. Lease Name: Barnhart Well #: 1-26  
 Sec. 26 Twp. 24 S. R. 17  East  West County: Allen

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run:  Gamma Ray/Neutron, Dual Induction, Differential Temperature Hi-Resolution Density	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	24#	20'	Class "A"	20	2% CaCl <sub>2</sub> , 2% Gel
Production	6 3/4"	4 1/2"	9.5#	1240'	O.W.C.	150	8# Kol-Seal

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2 SPF	1097-1099.5'	250 Gal. 15% mud acid	1097-1099.5'

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TUBING RECORD		Size	Set At	Packer At	Liner Run	Cement	
		2 7/8"	1100'		<input type="checkbox"/> Yes <input type="checkbox"/> No	WICHITA, KS	
Date of First, Resumerd Production, SWD or Enhr.			Producing Method				
			<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity		

Disposition of Gas      METHOD OF COMPLETION      Production Interval

Vented    Sold    Used on Lease     
  Open Hole    Perf.    Dually Comp.    Commingled  
*(If vented, Submit ACO-18.)*     
  Other (Specify) \_\_\_\_\_



**CONSOLIDATED**  
Oil Well Services, LLC



**ENTERED**

TICKET NUMBER 23641

LOCATION Eureka

FOREMAN Steve Mead

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10-3-09	2579	Barnhart #1-26				Allen
CUSTOMER			TRUCK #			
Eureka Tex Kansas, Inc.			485	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS			515	Chris		
27 Corporate Woods Suite 350			437	J.P.		
CITY						
Overland Park						
STATE						
KS						
ZIP CODE						
66210						
JOB TYPE <u>Long string</u>			HOLE SIZE <u>6 3/4</u>			
CASING DEPTH <u>1250'</u>			HOLE DEPTH <u>1855'</u>			
SLURRY WEIGHT <u>13.8*</u>			CASING SIZE & WEIGHT <u>4 1/2 9.5*</u>			
DISPLACEMENT <u>20 1/2 bbls</u>			TUBING			
DISPLACEMENT PSI <u>600*</u>			WATER gal/sk			
			CEMENT LEFT in CASING			

REMARKS: Safety Meeting! Rig up to 4 1/2 casing. Break circulation with 5 bbls fresh water. Mix 150 sks OWC cement w/ 8\* Kel-seal per/sk at 13.8\* per/sk. Washout pumps lines shut down. Release plug. Displace with 20 1/2 bbls fresh water. Final pumping pressure 600\*. Bump plug to 1250\* wait 2 min. Release pressure plug held. Shut well in 8\* Good cement. Returns to surface 3 bbls slurry to pit. Job complete Rig down.

*Thank You*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		
5406	40	MILEAGE	870.00	870.00
			3.45	138.00
1126	150sks	OWC Cement		
1110A	1250*	Kel Seal 8* per/sk	16.00	2400.00
			.39	468.00
5407A	8.25 tons	Ton mileage Bulb Truck	1.16	382.80
5502c	3 hrs	8 cu bbl vacuum Truck		
1123	4000 gallons	CITY Water	94.00	282.00
			14.00	56.00
4404	1	4 1/2 Top Rubber Plug	43.00	43.00
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DEC 17 2009				
CONSERVATION DIVISION WICHITA, KS				
			SubTotal	4639.80
			SALES TAX	180.99
			ESTIMATED TOTAL	4820.79

Rev 3737

AUTHORIZATION Witness by Ben

231469  
TITLE Tool pusher

DATE



## Griffin Geological Resources, (GGR) Inc.

David B. Griffin, RG, Owner  
1502 W. 27<sup>th</sup> Terrace  
Lawrence, Kansas 66046

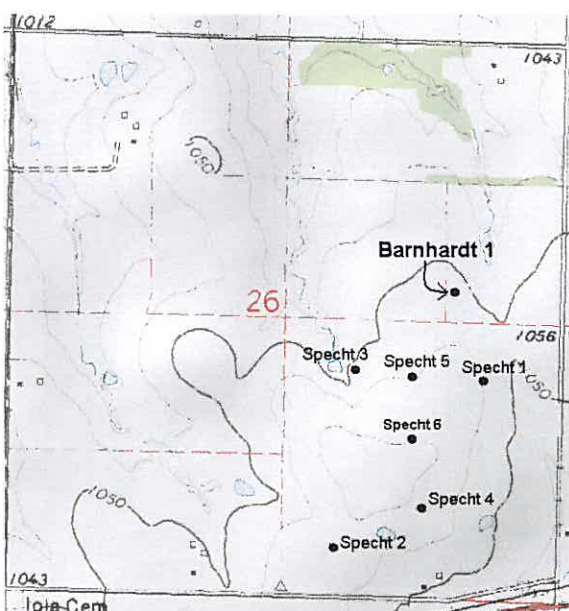
Ph. (785) 842-3665  
Cell (785) 766-0099  
Fax (785) 856-3935

October 26, 2009

### Geological Wellsite Report

For: Barnhardt 1-26  
30' N of SW SE NE/4  
3000' fsl, 990' fel  
Section 26, T24S – R17E  
Allen County, Kansas  
Lat Long: N37.93021, W-95.50449  
API: 15-001-29889-00-00  
KB Elev. 1060' (7' above GL)  
Field: Iola  
Status: 4 ½' Casing set

Operator: EnerJex Kansas, Inc.  
27 Corporate Woods, Suite 350  
10975 Grandview Drive  
Overland Park, KS 66210  
License No.: 33741  
Attn: Brad Kramer



The following report on the subject well includes detailed information and geological data based on microscopic examination of rotary drill cuttings from 1000' to a total depth of 1250' below Kelly bushing reached on October 2, 2009. The report includes a sample log with drilling time, cuttings description, geological tops, saltwater calculations, core description log, and core photo log for the Lower Bartlesville sandstone primary objective. Subsea corrected geological sample tops were based on a Kelly Bushing datum elevation of 1060' above sea level.

### Well Information

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

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

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WICHITA, KS

**Rotary Total Depth:** 1250', GL

**Surface Casing:** Set 20' 8<sup>5</sup>/<sub>8</sub>" casing

**Drilling Notes:** One 6 3/4" 6-blade PDC bit from 20' to 1250'

**Mud Program:** Fresh water native mud

**Geological Supervision:**

David Griffin, RG, GGR, Inc. provided wellsite supervision on October 2, 2009 and log supervision on October 3, 2009. Samples microscopically examined from 1000' to 1250'.

**Logs, Gas Detection, Cores, DST's:**

High resolution compensated density neutron and dual induction open-hole logs were run by Cornish Wireline, Inc. The Lower Bartlesville sandstone was cored from 1094' to 1119' (27') with 17' recovered. No drill stem tests were obtained for this well, nor was gas detection instrumentation in use.

**Geological Datums:**

<i>Energex Kansas, Inc.</i> <i>Barnhardt 1-26</i> <i>30' N SW SE NE/4</i> <i>Sec. 26-24S-R17E</i> <i>Geological Tops</i>			Structural Comparison Wells					
			<i>Energex Kansas, Inc.</i> <i>Specht 1</i> <i>SE NW NE SE/4</i> <i>Sec. 26-24S-R17E</i>			<i>Energex Kansas, Inc.</i> <i>Specht 5-26</i> <i>SE NE NW SE/4</i> <i>Sec. 26-24S-R17E</i>		
Zones of Interest	Open-Hole Log Tops		STRC COMP	Open-Hole Log Tops		STRC COMP	Open-Hole Log Tops	
	GL Elev. 1053'			GL Elev. 1059'			GL Elev. 1057'	
	Depth	Subsea		Depth	Subsea		Depth	Subsea
Base Kansas City Group	446	607	+3	455	604	+4	454	603
Marmaton Group	612	441	+2	620	439	0	616	441
Wayside SS	667	386	-9	664	395	-10	661	396
Cherokee Group	806	247	+4	816	243	+2	812	245
L. Squirrel SS	abs			850	209		840	217
Ardmore LS	890	163	+2	898	161	+3	897	160
U. Bartlesville SS, (18')	1022	31		absent		-8	1018	39
Base SS	1040	13		absent			1046	11
M. Bartlesville SS, (9')	1054	-1	+8	1068	-9	+2	1060	-3
Base SS	1063	-10		1070			1066	-9
L. Bartlesville "A" SS, (7')	1086	-33	-4	1088	-29	-6	1084	-27
Base SS	1093	-40		DNP			1100	-43
L. Bartlesville "B" SS, (22')	1098	-45		DNP		-2	1100	-43
Base SS	1120	-67		DNP			1123	-66
L. Bartlesville "C" SS, (13')	1124	-71		DNP		-5	1123	-66
Base SS	1137	-84		DNP			1150	-93
L. Bartlesville "D" SS, (11')	1155	-102		DNP		+7	1166	-109
Base SS	1162	-109		DNP			1184	-127
Riverton Coal	1178	-125		DNP		+8	1190	-133
Penn Basal Conglomerate	1182	-129		DNP		+7	1193	-136
Top Mississippian	1196	-143		DNP		+4	1204	-147
Total Depth	1250	-197		1115	-56		1219	-162

### **Structural Comparisons:**

Structural comparison of subsea geological log tops for Barnhardt 1-26 indicates that the top of the L. Bartlesville "A" SS is 4' lower than in Specht 1 and 6' lower than in Specht 5-26, whereas the "B" SS is 2' lower than in Specht 5-26.

### **Description of Oil Pay Zones**

Note: The open-hole log tops based on Ground Level (GL) Datum are approximately 2' higher than the sample tops based on Kelly Bushing (KB) datum.

#### **Lower Bartlesville "B" Sandstone:**

**1098' to 1120', GL, OH Log, 22' Thick, Very Likely Pay Zone from 1100' to 1107.5'**  
(See Pay Zone Core Description at end of report for detail)

#### **Saltwater Calculations:**

Saltwater (SW) calculations using the Archie Equation from open-hole log data flag 6.8' of L. Bartlesville "B" SS pay zone from 1098.8 to 1105.6' using cutoff values for porosity ( $\phi$ ) at 20%, SW at 60% and shaliness (VSH) at 0.5. The pay zone porosity ranges from 22.8% to 24.4% and the deep induction resistivity (RT) ranges from 7.0 to 14.4 ohms. Using a formation water resistivity (RW) of 0.18, the SW calculations range from 39.9% to 57.8%.

#### **Flagged Pay Zone Oil-In-Place Estimation:**

The Oil-In-Place for the flagged pay zone of the Lower Bartlesville "B" SS is estimated at 65,110 barrels using 10-acre spacing. The spreadsheet calculations are attached for reference at the end of this report.

#### **Lower Bartlesville "C" Sandstone:**

**1125' to 1137', GL OH Log, 12' Thick, Possible Pay Zone**

**1125'-1130'** (1135'-1140' KB sample), 80% sandstone, light grayish brown, fine grained, 40% loose grains, sub-angular, good porosity, fair odor, fair to good show of brown oil that readily breaks out when samples are crushed, appears to be mostly residual oil, however when uncrushed samples are rinsed with water, many oil droplets appear, the oil scum is not continuous, 80% dull to medium fluorescence, good fluorescent scum of oil inside sample bag; 20% shale, gray, silty, mica and carbon material common.

**1130'-1035'** (1140'-1145' KB sample), 40% sandstone, same as above with fair to good show of brown oil with some bleeding when crushed, 60% shale, silty, mica and carbon.

### **Saltwater Calculations:**

Saltwater (SW) calculations using the Archie Equation from open-hole log data flag 11.8' of L. Bartlesville "C" SS pay zone from 1125.1' to 1137.3' using cutoff values for porosity ( $\phi$ ) at 20%, SW at 65% and shaliness (VSH) at 0.5. The pay zone porosity ranges from 20.4% to 23.4% and the deep induction resistivity (RT) ranges from 6.5 to 8.8 ohms. Using a formation water resistivity (RW) of 0.18, the SW calculations range from 55.7% to 63.5%.

### **Flagged Pay Zone Oil-In-Place Estimation:**

The Oil-In-Place for the flagged pay zone of the Lower Bartlesville "C" SS is estimated at 72,355 barrels using 10-acre spacing. The spreadsheet calculations are attached for reference at the end of this report.

## **Description of Other Zones of Interest**

### **Lower Bartlesville "A" Sandstone:**

#### **1086' to 1093', GL OH Log, 7' Possible Marginal Pay Zone**

**1086'-1088'** (1089' KB 12 min. CFS sample), 20% sandstone, light tan, fine grained, good porosity, no odor, slight show of brown oil; 40% coarse siltstone laminae, light gray; 40% shale, gray, silty, mica and carbon material common.

**1088'-1092'** (1094' KB 6 min CFS sample), 70% sandstone, light brown to light gray, fine grained sub-rounded to sub-angular quartz, majority of sandstone is loose sand grains, fair to good odor initially, clusters have fair show of brown oil stain when crushed, little bleeding, very good porosity, 40% medium green fluorescence, slight fluorescent of oil inside sample bag; 30% shale, silty, mica and carbon.

**1092'-1093'** (1094' KB 13 min. CFS sample), 30% sandstone, light brown, fine grained sub-rounded to sub-angular quartz, mostly clusters, fair odor initially, good show of brown oil in clusters when crushed, but little bleeding, very good porosity; 70% shale, silty, mica and carbon, sample diluted with shale washout.

### **Pennsylvanian Basal Conglomerate (PBC):**

#### **1182'-1196' GL OH Log, 16' Thick**

**1182'-1183'** (1185'-1090' KB sample), 30% chert, white to gray, partly tripolitic (weathered), slight pinpoint porosity, no oil odor, no fluorescence, no oil stain; 30% sandy clayey siltstone; 20%, shale, dark gray, 15% loose medium to coarse well rounded sand grains.

**1183'-1188'** (1090'-1095' KB sample), 30% chert, white to gray, partly tripolitic, fair pinpoint vugular porosity, good oil odor, fair show of brown oil in 5% of sample, no oil bleeding, 5% bright fluorescence, no oil in bag; 50% shale, gray, very dark gray, green and tan; 10% dolomite, light gray to greenish tan; 5% sandy silty clay; 5% coal with abundant gas bubbles.

**1188'-1194'** (1095'-1200' KB sample), sample same as above but with no coal.



The PBC does not have commercial pay zone attributes; therefore, saltwater calculations were not performed.

**Mississippian Limestone:  
1208'-1220' GL OH Log, 12' Thick**

**1208'-1212'** (1215'-1220' KB sample), 75% limestone, tannish gray, partly dolomitic, very fine to medium crystalline with fossil grains, fair to good intercrystalline porosity, fair to good vugular porosity, strong odor, fair to good show of brown free oil, fair fluorescent scum of oil inside sample bag, 35% bright green fluorescence; chert, 25%, milky white, sharp. This sample has the best show of oil for this zone.

**1212'-1217'** (1220'-1225' KB sample), sample same as above, 15% of limestone has fair show of free brown oil, 15% bright green fluorescence, slight fluorescent scum of oil inside sample bag.

**1217'-1222'** (1225'-1230' KB sample), sample same as above.

This zone appears has a good oil show based on sample observation; however, relatively low log porosities ranging from 7.6% to 10.5% probably do not make this zone a good candidate for testing.

**Summary:**

Barnhardt 1-26 contained Lower Bartlesville "A" SS from 1186'-1193', GL OH log with slight to fair shows of brown oil. It also contained Lower Bartlesville "B" SS from 1098'-1105.6', GL OH log, (1100'-1107.5' KB, core sample) with very good shows of brown oil that readily bled from the core. The "B" SS neutron and density log porosity averages from 23.1% to 24.4% and the SW calculates to be 39.9% to 57.8%, therefore the "B" SS is very likely commercial with approximately 65,110 barrels of oil in place. The saltwater transition zone begins at approximately 1105.7' GL, OH log.

The PBC from 1182'-1196' GL OH log contained good oil odor but did not bleed oil and only had shows of oil in 5% of the samples. The Mississippian limestone from 1208'-1220' GL OH log contained a strong oil odor with fair to good show of free oil but had relatively low porosity.

Both the Upper Bartlesville and Middle Bartlesville sandstones lacked sufficient porosity and oil shows. The Lower Bartlesville "D" SS (formerly called Burgess SS) did not have any oil shows.

The top of the L. Bartlesville "B" SS in Barnhardt 1-26 was 2' lower than in Specht 5-26. The "A" SS was discontinuous with the "B" SS unlike that in Specht 5-26.







**Barnhardt 1-26, Enerjex Kansas**  
 Bartlesville Sandstone Log Saltwater Percentages and Oil In Place Estimations  
 October 16, 2009

Model = Archie					Porosity								FT	Pay Zone	Barrels Oil
PARAMETERS	Zone	Depth	Thick	RT	PHI	RWA	RO	MA	SW	BVW	VSH	PAY	BOI	In-Place	
X		1	1090	0.1	9.4	18.2%	0.44	3.86	2.32	64.1%	0.117	0.254	0	1.10	0
Y		2	1090.1	0.1	9.2	18.3%	0.43	3.85	2.31	64.7%	0.118	0.263	0	1.10	0
A	1	3	1090.2	0.1	9.2	18.1%	0.42	3.90	2.30	65.1%	0.118	0.265	0	1.10	0
M	1.8	4	1090.3	0.1	9.2	18.3%	0.43	3.85	2.31	64.7%	0.118	0.267	0	1.10	0
N	2	5	1090.4	0.1	9.2	18.3%	0.43	3.83	2.32	64.5%	0.118	0.299	0	1.10	0
RW	0.18	6	1090.5	0.1	9.1	18.4%	0.43	3.79	2.32	64.5%	0.119	0.295	0	1.10	0
CTHK	35.1	7	1090.6	0.1	9	18.6%	0.43	3.73	2.32	64.4%	0.119	0.285	0	1.10	0
AVPHI	0.22	8	1090.7	0.1	8.8	18.7%	0.43	3.70	2.32	64.8%	0.121	0.281	0	1.10	0
FTOIL	0.93	9	1090.8	0.1	8.7	18.9%	0.43	3.63	2.32	64.6%	0.122	0.277	0	1.10	0
PAYFEET	7.5	10	1090.9	0.1	8.5	18.9%	0.42	3.63	2.31	65.3%	0.123	0.270	0	1.10	0
Pay Flagged	65,110	11	1091	0.1	8.4	19.4%	0.44	3.45	2.34	64.0%	0.124	0.240	0	1.10	0
Barrels of oil		12	1091.1	0.1	8.3	19.6%	0.44	3.38	2.35	63.8%	0.125	0.254	0	1.10	0
in Place		13	1091.2	0.1	8.3	20.2%	0.46	3.22	2.39	62.3%	0.125	0.268	0	1.10	0
DMIN	1085	14	1091.3	0.1	8.3	20.6%	0.48	3.11	2.42	61.2%	0.126	0.263	0	1.10	0
DMAX	1110	15	1091.4	0.1	8.2	21.0%	0.49	3.00	2.44	60.5%	0.127	0.279	0	1.10	0
GL	1053	16	1091.5	0.1	8.1	21.1%	0.49	2.96	2.45	60.5%	0.128	0.304	0	1.10	0
TD	1250	17	1091.6	0.1	8.1	21.1%	0.49	2.97	2.44	60.6%	0.128	0.311	0	1.10	0
BHT		18	1091.7	0.1	8	21.4%	0.50	2.90	2.46	60.2%	0.129	0.326	0	1.10	0
ST		19	1091.8	0.1	8	21.2%	0.49	2.94	2.45	60.6%	0.128	0.328	0	1.10	0
RMF		20	1091.9	0.1	8	21.5%	0.50	2.88	2.46	60.0%	0.129	0.324	0.01	1.10	603
RMFT		21	1092	0.1	7.9	21.5%	0.50	2.86	2.46	60.2%	0.129	0.338	0	1.10	0
		22	1092.1	0.1	7.9	21.6%	0.50	2.84	2.47	60.0%	0.129	0.329	0.01	1.10	608
CUT-OFFS		23	1092.2	0.1	7.9	21.9%	0.51	2.77	2.49	59.2%	0.130	0.337	0.01	1.10	627
PHICUT	0.2	24	1092.3	0.1	8	21.9%	0.52	2.78	2.49	59.0%	0.129	0.346	0.01	1.10	630
SWCUT	0.6	25	1092.4	0.1	8	21.7%	0.51	2.82	2.48	59.3%	0.129	0.346	0.01	1.10	620
VSHCUT	0.5	26	1092.5	0.1	8.1	21.5%	0.51	2.88	2.47	59.6%	0.128	0.347	0.01	1.10	609
BVWCUT	0.14	27	1092.6	0.1	8.1	21.3%	0.50	2.92	2.46	60.1%	0.128	0.355	0	1.10	0
		28	1092.7	0.1	8.1	20.9%	0.48	3.01	2.43	61.0%	0.127	0.391	0	1.10	0
		29	1092.8	0.1	8	20.8%	0.47	3.05	2.41	61.8%	0.128	0.392	0	1.10	0
		30	1092.9	0.1	8	20.6%	0.46	3.11	2.40	62.3%	0.128	0.401	0	1.10	0
		31	1093	0.1	8.1	20.5%	0.47	3.12	2.40	62.1%	0.127	0.419	0	1.10	0
		32	1093.1	0.1	8.1	20.7%	0.48	3.07	2.42	61.5%	0.127	0.435	0	1.10	0
		33	1093.2	0.1	8.2	20.5%	0.47	3.12	2.41	61.7%	0.126	0.446	0	1.10	0
		34	1093.3	0.1	8.2	20.5%	0.47	3.12	2.41	61.7%	0.126	0.493	0	1.10	0
		35	1093.4	0.1	8.2	20.4%	0.47	3.15	2.40	62.0%	0.126	0.509	0	1.10	0
		36	1093.5	0.1	8.2	20.0%	0.45	3.28	2.37	63.2%	0.126	0.527	0	1.10	0
		37	1093.6	0.1	8.3	19.9%	0.45	3.31	2.37	63.1%	0.125	0.583	0	1.10	0
		38	1093.7	0.1	8.3	19.2%	0.42	3.53	2.32	65.2%	0.125	0.604	0	1.10	0
		39	1093.8	0.1	8.3	19.1%	0.42	3.56	2.31	65.5%	0.125	0.635	0	1.10	0
		40	1093.9	0.1	8.4	19.1%	0.43	3.54	2.32	64.9%	0.124	0.698	0	1.10	0
		41	1094	0.1	8.5	18.9%	0.42	3.63	2.31	65.3%	0.123	0.745	0	1.10	0
		42	1094.1	0.1	8.5	18.9%	0.42	3.66	2.30	65.6%	0.123	0.798	0	1.10	0
		43	1094.2	0.1	8.6	18.8%	0.42	3.66	2.31	65.3%	0.122	0.798	0	1.10	0
		44	1094.3	0.1	8.6	18.9%	0.43	3.61	2.32	64.8%	0.122	0.829	0	1.10	0
		45	1094.4	0.1	8.7	18.9%	0.43	3.65	2.32	64.7%	0.122	0.843	0	1.10	0
		46	1094.5	0.1	8.7	18.8%	0.43	3.65	2.32	64.7%	0.122	0.851	0	1.10	0
		47	1094.6	0.1	8.7	18.5%	0.42	3.75	2.30	65.7%	0.122	0.863	0	1.10	0
		48	1094.7	0.1	8.7	18.3%	0.41	3.85	2.28	66.5%	0.121	0.895	0	1.10	0
		49	1094.8	0.1	8.7	18.2%	0.40	3.88	2.27	66.8%	0.121	0.874	0	1.10	0
		50	1094.9	0.1	8.7	18.0%	0.40	3.96	2.26	67.5%	0.121	0.904	0	1.10	0
		51	1095	0.1	8.7	17.9%	0.39	3.98	2.25	67.7%	0.121	0.901	0	1.10	0
		52	1095.1	0.1	8.7	17.7%	0.39	4.06	2.24	68.3%	0.121	0.897	0	1.10	0
		53	1095.2	0.1	8.7	18.0%	0.40	3.96	2.26	67.5%	0.121	0.908	0	1.10	0
		54	1095.3	0.1	8.8	17.9%	0.40	4.00	2.26	67.4%	0.120	0.904	0	1.10	0
		55	1095.4	0.1	8.8	17.7%	0.39	4.08	2.24	68.1%	0.120	0.899	0	1.10	0
		56	1095.5	0.1	8.7	17.7%	0.39	4.06	2.24	68.3%	0.121	0.883	0	1.10	0
		57	1095.6	0.1	8.7	17.9%	0.39	3.98	2.25	67.7%	0.121	0.854	0	1.10	0
		58	1095.7	0.1	8.7	18.0%	0.40	3.96	2.26	67.5%	0.121	0.852	0	1.10	0
		59	1095.8	0.1	8.7	17.8%	0.39	4.02	2.25	68.0%	0.121	0.824	0	1.10	0
		60	1095.9	0.1	8.7	17.6%	0.38	4.11	2.23	68.7%	0.121	0.816	0	1.10	0
		61	1096	0.1	8.7	17.7%	0.39	4.06	2.24	68.3%	0.121	0.831	0	1.10	0
		62	1096.1	0.1	8.8	17.9%	0.40	4.00	2.26	67.4%	0.120	0.836	0	1.10	0
		63	1096.2	0.1	8.9	18.2%	0.41	3.88	2.29	66.1%	0.120	0.816	0	1.10	0
		64	1096.3	0.1	8.9	18.4%	0.42	3.79	2.30	65.3%	0.120	0.834	0	1.10	0
		65	1096.4	0.1	8.9	18.9%	0.44	3.63	2.34	63.9%	0.120	0.795	0	1.10	0
		66	1096.5	0.1	8.8	19.3%	0.46	3.48	2.36	62.9%	0.121	0.784	0	1.10	0
		67	1096.6	0.1	8.8	19.9%	0.48	3.29	2.41	61.2%	0.122	0.741	0	1.10	0
		68	1096.7	0.1	8.9	20.5%	0.51	3.13	2.46	59.3%	0.121	0.727	0	1.10	0
		69	1096.8	0.1	8.9	21.0%	0.54	2.99	2.50	57.9%	0.122	0.734	0	1.10	0
		70	1096.9	0.1	8.8	21.6%	0.56	2.85	2.53	56.9%	0.123	0.705	0	1.10	0
		71	1097	0.1	8.8	22.0%	0.58	2.75	2.57	55.9%	0.123	0.714	0	1.10	0
		72	1097.1	0.1	8.8	22.6%	0.60	2.63	2.61	54.8%	0.123	0.712	0	1.10	0
		73	1097.2	0.1	9	23.2%	0.65	2.51	2.67	52.8%	0.122	0.703	0	1.10	0
		74	1097.3	0.1	9.1	23.6%	0.68	2.42	2.72	51.6%	0.122	0.719	0	1.10	0
		75	1097.4	0.1	9.1	24.0%	0.70	2.35	2.75	50.8%	0.122	0.701	0	1.10	0
		76	1097.5	0.1	9.1	24.3%	0.71	2.30	2.77	50.2%	0.122	0.665	0	1.10	0
		77	1097.6	0.1	9.2	24.4%	0.72	2.29	2.78	49.9%	0.121	0.640	0	1.10	0
		78	1097.7	0.1	9.3	24.6%	0.75	2.25	2.81	49.2%	0.121	0.640	0	1.10	0
		79	1097.8	0.1	9.4	24.9%	0.77	2.20	2.85	48.4%	0.120	0.626	0	1.10	0
		80	1097.9	0.1	9.5	24.9%	0.78	2.20	2.85	48.1%	0.120	0.644	0	1.10	0
		81	1098	0.1	9.6	25.0%	0.79	2.19	2.86	47.8%	0.119	0.651	0	1.10	0
		82	1098.1	0.1	9.7	24.6%	0.78	2.25	2.84	48.1%	0.118	0.647	0	1.10	0
		83	1098.2	0.1	9.8	24.5%	0.78	2.27	2.84	48.1%	0.118	0.635	0	1.10	0
		84	1098.3	0.1	10	24.1%	0.77	2.33	2.82	48.3%	0.116	0.613	0	1.10	0
		85	1098.4	0.1	10.2	24.2%	0.79	2.32	2.84	47.7%	0.115	0.606	0	1.10	0
		86	1098.5	0.1	10.2	23.8%	0.77	2.39	2.81	48.4%	0.115	0.556	0	1.10	0
		87	1098.6	0.1	10.3	23.6%	0.76	2.43	2.80	48.6%	0.114	0.540	0	1.10	0
		88	1098.7	0.1	10.3	23.4%	0.75	2.47	2.78	49.0%	0.114	0.516	0	1.10	0
		89	1098.8	0.1	10.4	23.1%	0.74	2.53	2.76	49.3%	0.114	0.482	0.01	1.10	821
		90	1098.9	0.1	10.5	23.1%	0.75	2.53	2.7						



99	1099.8	0.1	12.1	23.7%	0.90	2.41	2.92	44.6%	0.106	0.205	0.01	1.10	919
100	1099.9	0.1	12.3	23.4%	0.90	2.46	2.91	44.7%	0.105	0.170	0.01	1.10	908
101	1100	0.1	12.3	23.5%	0.91	2.44	2.92	44.5%	0.105	0.168	0.01	1.11	915
102	1100.1	0.1	12.4	23.5%	0.91	2.44	2.92	44.4%	0.104	0.157	0.01	1.11	918
103	1100.2	0.1	12.5	23.4%	0.91	2.47	2.92	44.4%	0.104	0.144	0.01	1.11	911
104	1100.3	0.1	12.6	23.4%	0.92	2.47	2.92	44.3%	0.103	0.141	0.01	1.11	914
105	1100.4	0.1	12.9	23.7%	0.96	2.41	2.96	43.2%	0.102	0.137	0.01	1.11	942
106	1100.5	0.1	13.2	23.7%	0.99	2.41	2.98	42.7%	0.101	0.123	0.01	1.11	951
107	1100.6	0.1	13.4	23.4%	0.98	2.46	2.97	42.8%	0.100	0.148	0.01	1.11	939
108	1100.7	0.1	13.6	23.5%	1.00	2.44	2.99	42.4%	0.100	0.162	0.01	1.11	951
109	1100.8	0.1	13.7	23.6%	1.02	2.42	3.00	42.0%	0.099	0.175	0.01	1.11	960
110	1100.9	0.1	14	23.5%	1.03	2.45	3.00	41.8%	0.098	0.166	0.01	1.11	958
111	1101	0.1	14.1	23.7%	1.05	2.41	3.02	41.4%	0.098	0.170	0.01	1.11	974
112	1101.1	0.1	14.2	23.5%	1.05	2.44	3.02	41.5%	0.097	0.159	0.01	1.11	966
113	1101.2	0.1	13.9	23.4%	1.01	2.47	2.99	42.1%	0.098	0.170	0.01	1.11	949
114	1101.3	0.1	13.9	23.7%	1.04	2.40	3.02	41.6%	0.099	0.168	0.01	1.11	972
115	1101.4	0.1	14.1	23.7%	1.06	2.40	3.03	41.3%	0.098	0.179	0.01	1.11	977
116	1101.5	0.1	14.2	23.9%	1.08	2.38	3.05	40.9%	0.098	0.170	0.01	1.11	989
117	1101.6	0.1	14.4	24.1%	1.11	2.34	3.08	40.3%	0.097	0.162	0.01	1.11	1008
118	1101.7	0.1	14.4	24.3%	1.13	2.30	3.10	39.9%	0.097	0.155	0.01	1.11	1025
119	1101.8	0.1	14.3	24.2%	1.11	2.31	3.08	40.2%	0.097	0.150	0.01	1.11	1015
120	1101.9	0.1	14.1	23.9%	1.07	2.37	3.05	41.0%	0.098	0.143	0.01	1.11	990
121	1102	0.1	14	24.0%	1.07	2.35	3.05	41.0%	0.098	0.128	0.01	1.11	995
122	1102.1	0.1	13.9	24.1%	1.07	2.33	3.05	41.0%	0.099	0.110	0.01	1.11	999
123	1102.2	0.1	13.8	24.2%	1.07	2.31	3.06	41.0%	0.099	0.103	0.01	1.11	1003
124	1102.3	0.1	13.6	24.4%	1.07	2.29	3.06	41.0%	0.100	0.092	0.01	1.11	1008
125	1102.4	0.1	13.6	24.4%	1.07	2.29	3.06	41.0%	0.100	0.098	0.01	1.11	1008
126	1102.5	0.1	13.4	24.1%	1.03	2.34	3.02	41.8%	0.101	0.087	0.01	1.11	983
127	1102.6	0.1	13.3	24.2%	1.03	2.32	3.03	41.8%	0.101	0.094	0.01	1.11	987
128	1102.7	0.1	13.1	24.1%	1.01	2.33	3.01	42.2%	0.102	0.105	0.01	1.11	978
129	1102.8	0.1	12.8	24.1%	0.99	2.33	3.00	42.7%	0.103	0.123	0.01	1.11	970
130	1102.9	0.1	12.6	24.2%	0.98	2.31	2.99	42.9%	0.104	0.112	0.01	1.11	971
131	1103	0.1	12.4	24.0%	0.95	2.35	2.97	43.5%	0.104	0.116	0.01	1.11	951
132	1103.1	0.1	12.1	23.7%	0.91	2.40	2.92	44.6%	0.106	0.116	0.01	1.11	922
133	1103.2	0.1	11.7	23.4%	0.86	2.46	2.87	45.8%	0.107	0.126	0.01	1.11	890
134	1103.3	0.1	11.5	23.5%	0.85	2.44	2.87	46.1%	0.108	0.153	0.01	1.11	890
135	1103.4	0.1	11.4	24.0%	0.87	2.36	2.90	45.5%	0.109	0.168	0.01	1.11	917
136	1103.5	0.1	11.1	23.7%	0.83	2.41	2.86	46.6%	0.110	0.182	0.01	1.11	886
137	1103.6	0.1	10.9	23.7%	0.81	2.41	2.85	47.0%	0.111	0.184	0.01	1.11	879
138	1103.7	0.1	10.6	23.8%	0.80	2.39	2.84	47.5%	0.113	0.191	0.01	1.11	875
139	1103.8	0.1	10.3	23.7%	0.77	2.41	2.81	48.4%	0.114	0.180	0.01	1.11	857
140	1103.9	0.1	10	23.5%	0.73	2.45	2.77	49.5%	0.116	0.184	0.01	1.11	831
141	1104	0.1	9.6	23.7%	0.72	2.41	2.76	50.1%	0.119	0.202	0.01	1.11	828
142	1104.1	0.1	9.5	23.5%	0.70	2.44	2.74	50.7%	0.119	0.189	0.01	1.11	814
143	1104.2	0.1	9.3	23.6%	0.69	2.43	2.73	51.1%	0.120	0.175	0.01	1.11	808
144	1104.3	0.1	9.1	23.5%	0.67	2.44	2.71	51.8%	0.122	0.173	0.01	1.11	795
145	1104.4	0.1	9	23.5%	0.66	2.44	2.70	52.1%	0.122	0.191	0.01	1.11	791
146	1104.5	0.1	8.9	23.7%	0.66	2.41	2.71	52.1%	0.123	0.187	0.01	1.11	796
147	1104.6	0.1	8.6	23.9%	0.65	2.37	2.70	52.5%	0.125	0.182	0.01	1.11	798
148	1104.7	0.1	8.4	24.0%	0.64	2.35	2.69	52.9%	0.127	0.196	0.01	1.11	794
149	1104.8	0.1	8.2	24.0%	0.63	2.35	2.68	53.5%	0.128	0.186	0.01	1.11	783
150	1104.9	0.1	8	23.6%	0.59	2.43	2.62	55.1%	0.130	0.193	0.01	1.11	742
151	1105	0.1	7.8	23.7%	0.58	2.41	2.61	55.6%	0.132	0.187	0.01	1.11	737
152	1105.1	0.1	7.7	23.8%	0.58	2.39	2.61	55.8%	0.132	0.189	0.01	1.11	738
153	1105.2	0.1	7.6	23.7%	0.57	2.41	2.60	56.3%	0.133	0.182	0.01	1.11	725
154	1105.3	0.1	7.4	23.8%	0.56	2.38	2.59	56.8%	0.135	0.186	0.01	1.11	722
155	1105.4	0.1	7.3	24.1%	0.56	2.34	2.60	56.6%	0.136	0.173	0.01	1.11	732
156	1105.5	0.1	7.1	23.8%	0.54	2.38	2.56	58.0%	0.138	0.166	0.01	1.11	702
157	1105.6	0.1	7	24.1%	0.54	2.34	2.57	57.8%	0.139	0.175	0.01	1.11	712
158	1105.7	0.1	6.8	24.0%	0.52	2.35	2.54	58.8%	0.141	0.171	0	1.11	0
159	1105.8	0.1	6.7	23.9%	0.51	2.37	2.53	59.4%	0.142	0.148	0	1.11	0
160	1105.9	0.1	6.6	24.0%	0.50	2.36	2.52	59.8%	0.143	0.148	0	1.11	0
161	1106	0.1	6.5	24.1%	0.50	2.34	2.52	60.0%	0.144	0.162	0	1.11	0
162	1106.1	0.1	6.3	24.2%	0.49	2.31	2.51	60.6%	0.147	0.161	0	1.11	0
163	1106.2	0.1	6.2	24.5%	0.49	2.27	2.51	60.5%	0.148	0.168	0	1.11	0
164	1106.3	0.1	6.1	24.4%	0.48	2.28	2.50	61.1%	0.149	0.175	0	1.11	0
165	1106.4	0.1	6.1	24.5%	0.48	2.27	2.50	61.0%	0.149	0.157	0	1.11	0
166	1106.5	0.1	6	24.4%	0.47	2.29	2.48	61.8%	0.150	0.162	0	1.11	0
167	1106.6	0.1	5.9	24.5%	0.47	2.27	2.48	62.1%	0.152	0.170	0	1.11	0
168	1106.7	0.1	5.7	24.7%	0.46	2.24	2.47	62.7%	0.154	0.159	0	1.11	0
169	1106.8	0.1	5.5	24.6%	0.44	2.26	2.43	64.0%	0.157	0.153	0	1.11	0
170	1106.9	0.1	5.4	24.6%	0.43	2.25	2.43	64.5%	0.159	0.159	0	1.11	0
171	1107	0.1	5.4	24.8%	0.44	2.21	2.44	64.0%	0.159	0.155	0	1.11	0
172	1107.1	0.1	5.4	24.6%	0.43	2.25	2.43	64.5%	0.159	0.159	0	1.11	0
173	1107.2	0.1	5.3	24.9%	0.43	2.21	2.43	64.5%	0.160	0.170	0	1.11	0
174	1107.3	0.1	5.2	25.2%	0.44	2.15	2.44	64.3%	0.162	0.195	0	1.11	0
175	1107.4	0.1	5.1	25.1%	0.42	2.17	2.42	65.3%	0.164	0.195	0	1.11	0
176	1107.5	0.1	5	25.3%	0.42	2.14	2.42	65.4%	0.165	0.198	0	1.11	0
177	1107.6	0.1	4.9	25.2%	0.41	2.15	2.40	66.3%	0.167	0.202	0	1.11	0
178	1107.7	0.1	4.9	24.9%	0.40	2.21	2.37	67.1%	0.167	0.173	0	1.11	0
179	1107.8	0.1	4.8	24.8%	0.39	2.22	2.35	68.0%	0.168	0.166	0	1.11	0
180	1107.9	0.1	4.7	24.8%	0.38	2.21	2.34	68.6%	0.170	0.170	0	1.11	0
181	1108	0.1	4.7	25.3%	0.39	2.14	2.37	67.5%	0.171	0.166	0	1.11	0
182	1108.1	0.1	4.6	25.2%	0.38	2.15	2.35	68.4%	0.172	0.157	0	1.11	0
183	1108.2	0.1	4.5	25.0%	0.37	2.19	2.32	69.8%	0.174	0.164	0	1.11	0
184	1108.3	0.1	4.5	25.0%	0.37	2.19	2.32	69.8%	0.174	0.164	0	1.11	0
185	1108.4	0.1	4.4	25.0%	0.36	2.19	2.30	70.6%	0.176	0.171	0	1.11	0
186	1108.5	0.1	4.3	24.7%	0.35	2.24	2.27	72.2%	0.178	0.179	0	1.11	0
187	1108.6	0.1	4.3	25.0%	0.35	2.19	2.29	71.4%	0.178	0.173	0	1.11	0
188	1108.7	0.1	4.2	24.7%	0.34	2.23	2.25	72.9%	0.180	0.155	0	1.11	0
189	1108.8	0.1	4.2	24.3%	0.33	2.31	2.22	74.1%	0.180	0.150	0	1.11	0
190	1108.9	0.1	4.1	24.4%	0.32	2.29	2.21	74.7%	0.182	0.164	0	1.11	0
191	1109	0.1	4.1	23.9%	0.31	2.38	2.18	76.1%	0.182	0.162	0	1.11	0
192	1109.1	0.1	4.1	23.9%	0.31	2.38	2.18	76.1%	0.182	0.155	0	1.11	0
193	1109.2	0.1	4	24.2%	0.31	2.32	2.18	76.2%	0.184	0.184	0	1.11	0
194	1109.3	0.1	4	24.2%	0.31	2.31	2.19						




**Barnhardt 1-26, Enerjex Kansas**  
 Lower Bartlesville Sandstone Log Saltwater Percentages and Oil In Place Estimations  
 October 15, 2009

Model = Archie	Zone	Depth	Thick	Porosity				FT				Pay Zone	Barrels Oil	
PARAMETERS				RT	PHI	RWA	RO	MA	SW	BVW	VSH	PAY	BOI	In-Place
X	1	1120	0.1	4.7	21.6%	0.30	2.84	2.13	77.7%	0.168	0.563	0	1.11	0
Y	2	1120.1	0.1	4.7	21.2%	0.29	2.94	2.10	79.0%	0.168	0.599	0	1.11	0
A	1	1120.2	0.1	4.8	21.1%	0.29	2.96	2.11	78.6%	0.166	0.628	0	1.11	0
M	1.8	1120.3	0.1	4.9	21.0%	0.30	2.99	2.12	78.1%	0.164	0.676	0	1.11	0
N	2	1120.4	0.1	4.9	20.6%	0.29	3.09	2.09	79.4%	0.164	0.691	0	1.11	0
RW	0.18	1120.5	0.1	5	20.6%	0.29	3.11	2.10	79.8%	0.162	0.714	0	1.11	0
CTHK	19.6	1120.6	0.1	5.1	19.5%	0.28	3.29	2.07	80.3%	0.160	0.746	0	1.11	0
AVPHI	0.21	1120.7	0.1	5.2	19.6%	0.28	3.40	2.06	80.8%	0.158	0.761	0	1.11	0
FTOIL	1.03	1120.8	0.1	5.2	19.5%	0.27	3.41	2.06	81.0%	0.158	0.770	0	1.11	0
PAYFEET	11.8	1120.9	0.1	5.3	19.4%	0.28	3.45	2.06	80.6%	0.156	0.788	0	1.11	0
Pay Flagged	72.355	11	1121	0.1	5.4	19.4%	0.28	3.46	80.1%	0.155	0.777	0	1.11	0
Barrels of oil		12	1121.1	0.1	5.4	19.4%	0.28	3.46	80.1%	0.155	0.780	0	1.11	0
in Place		13	1121.2	0.1	5.5	19.3%	0.28	3.49	79.7%	0.153	0.757	0	1.11	0
DMIN	1120	14	1121.3	0.1	5.6	19.4%	0.29	3.45	78.4%	0.152	0.757	0	1.11	0
DMAX	1140	15	1121.4	0.1	5.7	19.5%	0.30	3.43	77.6%	0.151	0.757	0	1.11	0
GL	1053	16	1121.5	0.1	5.7	19.4%	0.30	3.46	77.9%	0.151	0.750	0	1.11	0
TD	1250	17	1121.6	0.1	5.8	19.2%	0.30	3.51	77.8%	0.149	0.746	0	1.11	0
BHT		18	1121.7	0.1	5.8	19.3%	0.30	3.48	77.4%	0.148	0.750	0	1.11	0
ST		19	1121.8	0.1	5.8	19.2%	0.30	3.51	77.8%	0.149	0.779	0	1.11	0
RMF		20	1121.9	0.1	5.9	19.4%	0.31	3.45	76.4%	0.148	0.815	0	1.11	0
RMFT		21	1122	0.1	6	19.6%	0.32	3.40	75.3%	0.147	0.798	0	1.11	0
		22	1122.1	0.1	6	20.1%	0.33	3.25	73.0%	0.147	0.807	0	1.11	0
CUT-OFFS		23	1122.2	0.1	6	20.5%	0.35	3.12	72.1%	0.148	0.829	0	1.11	0
PHICUT	0.2	24	1122.3	0.1	6.1	20.6%	0.36	3.09	71.2%	0.147	0.833	0	1.11	0
SWCUT	0.65	25	1122.4	0.1	6.1	21.4%	0.38	2.90	68.3%	0.147	0.815	0	1.11	0
VSHCUT	0.5	26	1122.5	0.1	6.2	21.6%	0.39	2.85	67.8%	0.146	0.829	0	1.11	0
BVWCUT	0.144	27	1122.6	0.1	6.2	21.8%	0.40	2.80	67.3%	0.146	0.807	0	1.11	0
		28	1122.7	0.1	6.2	22.0%	0.40	2.76	66.7%	0.146	0.793	0	1.11	0
		29	1122.8	0.1	6.2	22.0%	0.40	2.76	66.7%	0.146	0.768	0	1.11	0
		30	1122.9	0.1	6.3	22.0%	0.41	2.76	66.2%	0.145	0.732	0	1.11	0
		31	1123	0.1	6.3	22.1%	0.42	2.72	65.8%	0.145	0.734	0	1.11	0
		32	1123.1	0.1	6.3	22.4%	0.43	2.66	65.0%	0.145	0.737	0	1.11	0
		33	1123.2	0.1	6.2	22.2%	0.41	2.71	65.2%	0.147	0.723	0	1.11	0
		34	1123.3	0.1	6.3	22.2%	0.42	2.70	65.5%	0.145	0.673	0	1.11	0
		35	1123.4	0.1	6.3	22.2%	0.42	2.70	65.5%	0.145	0.642	0	1.11	0
		36	1123.5	0.1	6.3	22.3%	0.42	2.69	65.4%	0.145	0.649	0	1.11	0
		37	1123.6	0.1	6.4	22.1%	0.42	2.72	65.3%	0.144	0.612	0	1.11	0
		38	1123.7	0.1	6.4	22.3%	0.43	2.69	64.9%	0.144	0.586	0	1.11	0
		39	1123.8	0.1	6.4	22.5%	0.44	2.64	64.2%	0.144	0.588	0	1.11	0
		40	1123.9	0.1	6.5	22.3%	0.44	2.68	64.2%	0.143	0.581	0	1.11	0
		41	1124	0.1	6.5	22.2%	0.43	2.71	64.6%	0.143	0.559	0	1.11	0
		42	1124.1	0.1	6.6	22.2%	0.44	2.70	64.0%	0.142	0.577	0	1.11	0
		43	1124.2	0.1	6.5	22.1%	0.43	2.74	64.9%	0.143	0.563	0	1.11	0
		44	1124.3	0.1	6.5	22.1%	0.43	2.74	64.9%	0.143	0.579	0	1.11	0
		45	1124.4	0.1	6.5	22.1%	0.43	2.72	64.7%	0.143	0.579	0	1.11	0
		46	1124.5	0.1	6.5	22.2%	0.43	2.71	64.6%	0.143	0.567	0	1.11	0
		47	1124.6	0.1	6.6	22.2%	0.44	2.71	64.1%	0.142	0.541	0	1.11	0
		48	1124.7	0.1	6.6	22.4%	0.44	2.67	63.6%	0.142	0.531	0	1.11	0
		49	1124.8	0.1	6.6	22.4%	0.44	2.67	63.6%	0.142	0.545	0	1.11	0
		50	1124.9	0.1	6.5	22.6%	0.45	2.62	63.5%	0.143	0.525	0	1.11	0
		51	1125	0.1	6.5	22.9%	0.46	2.56	62.7%	0.144	0.504	0	1.11	0
		52	1125.1	0.1	6.5	23.1%	0.46	2.53	62.3%	0.144	0.486	0.01	1.11	609
		53	1125.2	0.1	6.5	23.0%	0.46	2.55	62.6%	0.144	0.471	0.01	1.11	602
		54	1125.3	0.1	6.5	22.7%	0.45	2.60	63.2%	0.143	0.461	0.01	1.11	586
		55	1125.4	0.1	6.5	22.6%	0.45	2.62	63.5%	0.143	0.443	0.01	1.11	579
		56	1125.5	0.1	6.5	23.1%	0.46	2.53	62.3%	0.144	0.425	0.01	1.11	609
		57	1125.6	0.1	6.5	23.2%	0.47	2.51	62.1%	0.144	0.410	0.01	1.11	615
		58	1125.7	0.1	6.6	23.4%	0.48	2.47	61.2%	0.143	0.389	0.01	1.11	636
		59	1125.8	0.1	6.7	23.4%	0.49	2.47	60.7%	0.142	0.351	0.01	1.11	644
		60	1125.9	0.1	6.7	23.3%	0.49	2.48	60.8%	0.142	0.346	0.01	1.11	640
		61	1126	0.1	6.7	23.1%	0.48	2.53	61.4%	0.142	0.331	0.01	1.11	624
		62	1126.1	0.1	6.7	23.0%	0.47	2.55	61.6%	0.141	0.310	0.01	1.11	617
		63	1126.2	0.1	6.7	22.8%	0.47	2.58	62.0%	0.141	0.299	0.01	1.11	607
		64	1126.3	0.1	6.7	22.7%	0.46	2.61	62.4%	0.141	0.265	0.01	1.11	598
		65	1126.4	0.1	6.8	22.5%	0.46	2.64	62.3%	0.140	0.268	0.01	1.11	595
		66	1126.5	0.1	6.8	22.4%	0.46	2.67	62.7%	0.140	0.258	0.01	1.11	585
		67	1126.6	0.1	6.9	22.5%	0.47	2.65	62.0%	0.139	0.258	0.01	1.11	599
		68	1126.7	0.1	6.9	22.8%	0.48	2.59	61.2%	0.139	0.258	0.01	1.11	619
		69	1126.8	0.1	6.9	22.7%	0.48	2.60	61.3%	0.139	0.236	0.01	1.11	615
		70	1126.9	0.1	6.9	22.7%	0.48	2.61	61.5%	0.139	0.225	0.01	1.11	612
		71	1127	0.1	6.9	22.3%	0.46	2.69	62.5%	0.139	0.218	0.01	1.11	586
		72	1127.1	0.1	7	22.1%	0.46	2.74	62.5%	0.138	0.207	0.01	1.11	580
		73	1127.2	0.1	7	22.2%	0.47	2.70	62.1%	0.138	0.213	0.01	1.11	589
		74	1127.3	0.1	7	22.2%	0.46	2.71	62.3%	0.138	0.213	0.01	1.11	586
		75	1127.4	0.1	7	22.5%	0.48	2.65	61.5%	0.138	0.211	0.01	1.11	606
		76	1127.5	0.1	7	22.8%	0.49	2.59	60.8%	0.138	0.207	0.01	1.11	626
		77	1127.6	0.1	7.1	22.7%	0.49	2.60	60.5%	0.137	0.222	0.01	1.11	629
		78	1127.7	0.1	7.1	22.8%	0.49	2.59	60.4%	0.137	0.214	0.01	1.11	632
		79	1127.8	0.1	7.2	22.6%	0.49	2.63	60.4%	0.136	0.216	0.01	1.11	626
		80	1127.9	0.1	7.2	22.6%	0.50	2.62	60.3%	0.136	0.209	0.01	1.11	629
		81	1128	0.1	7.2	22.3%	0.48	2.69	61.1%	0.136	0.227	0.01	1.11	606
		82	1128.1	0.1	7.2	22.2%	0.48	2.70	61.3%	0.136	0.222	0.01	1.11	603
		83	1128.2	0.1	7.2	22.0%	0.47	2.75	61.8%	0.136	0.211	0.01	1.11	590
		84	1128.3	0.1	7.1	22.0%	0.47	2.75	62.2%	0.137	0.211	0.01	1.11	583
		85	1128.4	0.1	7.1	22.0%	0.47	2.75	62.2%	0.137	0.207	0.01	1.11	583
		86	1128.5	0.1	7.1	22.1%	0.47	2.74	62.1%	0.137	0.211	0.01	1.11	586
		87	1128.6	0.1	7.2	22.2%	0.48	2.71	61.4%	0.136	0.214	0.01	1.11	600
		88	1128.7	0.1	7.2	21.8%	0.46	2.79	62.3%	0.136	0.207	0.01	1.11	577
		89	1128.8	0.1	7.3	22.0%	0.48	2.76	61.5%	0.135	0.204	0.01	1.11	593
		90	1128.9	0.1	7.3	21.8%	0.47	2.79	61.9%	0.135	0.204	0.01	1.11	583
		91	1129	0.1	7.3	21.5%	0.46	2.88	62.8%	0.135	0.214	0.01	1.11	560
		92	1129.1	0.1	7.3	21.5%	0.46	2.88	62.8%	0.135	0.229	0.01	1.11	560
		93	1129.2	0.1	7.3	21.5%	0.46	2.86	62.6%	0.135	0.240	0.01	1.11	563
		94	1129.3	0.1	7.4	21.7%	0.47	2.83	61.8%	0.134	0.232	0.01	1.11	580
		95	1129.4	0.1	7.3									



96	1130	0.1	7.5	21.5%	0.47	2.86	2.43	61.8%	0.133	0.209	0.01	1.11	576
97	1130.1	0.1	7.5	21.3%	0.46	2.92	2.41	62.4%	0.133	0.193	0.01	1.11	560
98	1130.2	0.1	7.5	21.3%	0.46	2.91	2.41	62.3%	0.133	0.205	0.01	1.11	563
99	1130.3	0.1	7.5	21.0%	0.45	2.99	2.39	63.1%	0.133	0.213	0.01	1.11	543
100	1130.4	0.1	7.5	21.3%	0.46	2.91	2.41	62.3%	0.133	0.209	0.01	1.11	563
101	1130.5	0.1	7.5	21.6%	0.47	2.85	2.43	61.7%	0.133	0.198	0.01	1.11	579
102	1130.6	0.1	7.5	21.5%	0.47	2.88	2.42	61.9%	0.133	0.180	0.01	1.11	573
103	1130.7	0.1	7.5	21.4%	0.47	2.90	2.42	62.2%	0.133	0.166	0.01	1.11	566
104	1130.8	0.1	7.4	21.4%	0.46	2.90	2.41	62.6%	0.134	0.187	0.01	1.11	560
105	1130.9	0.1	7.4	21.3%	0.46	2.91	2.40	62.7%	0.134	0.170	0.01	1.11	557
106	1131	0.1	7.4	21.4%	0.46	2.90	2.41	62.6%	0.134	0.177	0.01	1.11	560
107	1131.1	0.1	7.4	21.3%	0.46	2.91	2.40	62.7%	0.134	0.173	0.01	1.11	557
108	1131.2	0.1	7.4	21.7%	0.47	2.83	2.43	61.8%	0.134	0.180	0.01	1.11	580
109	1131.3	0.1	7.4	21.9%	0.48	2.78	2.44	61.3%	0.134	0.195	0.01	1.11	593
110	1131.4	0.1	7.4	21.7%	0.47	2.82	2.43	61.7%	0.134	0.211	0.01	1.11	583
111	1131.5	0.1	7.4	21.9%	0.48	2.78	2.44	61.3%	0.134	0.211	0.01	1.11	593
112	1131.6	0.1	7.4	22.0%	0.48	2.75	2.45	60.9%	0.134	0.220	0.01	1.11	603
113	1131.7	0.1	7.4	22.1%	0.49	2.74	2.46	60.8%	0.134	0.209	0.01	1.11	606
114	1131.8	0.1	7.4	22.3%	0.50	2.68	2.48	60.2%	0.134	0.202	0.01	1.11	622
115	1131.9	0.1	7.3	22.0%	0.48	2.75	2.45	61.3%	0.135	0.209	0.01	1.11	596
116	1132	0.1	7.4	21.9%	0.48	2.77	2.45	61.2%	0.134	0.213	0.01	1.11	596
117	1132.1	0.1	7.4	22.0%	0.48	2.75	2.45	60.9%	0.134	0.223	0.01	1.11	603
118	1132.2	0.1	7.3	22.1%	0.48	2.74	2.45	61.2%	0.135	0.231	0.01	1.11	599
119	1132.3	0.1	7.3	22.0%	0.48	2.75	2.45	61.3%	0.135	0.231	0.01	1.11	596
120	1132.4	0.1	7.3	21.9%	0.47	2.78	2.43	61.7%	0.135	0.245	0.01	1.11	586
121	1132.5	0.1	7.3	22.0%	0.48	2.76	2.44	61.5%	0.135	0.241	0.01	1.11	593
122	1132.6	0.1	7.3	22.1%	0.48	2.72	2.45	61.1%	0.135	0.254	0.01	1.11	603
123	1132.7	0.1	7.3	21.9%	0.47	2.77	2.44	61.6%	0.135	0.250	0.01	1.11	590
124	1132.8	0.1	7.4	22.1%	0.49	2.74	2.46	60.8%	0.134	0.222	0.01	1.11	606
125	1132.9	0.1	7.3	22.2%	0.48	2.71	2.46	61.0%	0.135	0.218	0.01	1.11	606
126	1133	0.1	7.2	22.0%	0.47	2.75	2.44	61.8%	0.136	0.211	0.01	1.11	590
127	1133.1	0.1	7.2	22.2%	0.48	2.71	2.45	61.4%	0.136	0.225	0.01	1.11	599
128	1133.2	0.1	7.3	22.3%	0.49	2.69	2.46	60.7%	0.135	0.243	0.01	1.11	613
129	1133.3	0.1	7.4	22.1%	0.49	2.72	2.46	60.7%	0.134	0.250	0.01	1.11	609
130	1133.4	0.1	7.4	22.1%	0.49	2.74	2.46	60.8%	0.134	0.268	0.01	1.11	606
131	1133.5	0.1	7.4	22.2%	0.49	2.70	2.47	60.4%	0.134	0.283	0.01	1.11	616
132	1133.6	0.1	7.4	22.0%	0.48	2.75	2.45	60.9%	0.134	0.276	0.01	1.11	603
133	1133.7	0.1	7.4	22.1%	0.49	2.72	2.46	60.7%	0.134	0.294	0.01	1.11	609
134	1133.8	0.1	7.4	22.3%	0.49	2.69	2.47	60.3%	0.134	0.294	0.01	1.11	619
135	1133.9	0.1	7.5	22.2%	0.50	2.70	2.48	60.0%	0.133	0.299	0.01	1.11	622
136	1134	0.1	7.5	22.1%	0.50	2.72	2.47	60.3%	0.133	0.299	0.01	1.11	615
137	1134.1	0.1	7.5	21.9%	0.49	2.78	2.45	60.9%	0.133	0.301	0.01	1.11	599
138	1134.2	0.1	7.5	22.0%	0.49	2.76	2.46	60.8%	0.133	0.322	0.01	1.11	606
139	1134.3	0.1	7.5	22.2%	0.50	2.70	2.48	60.0%	0.133	0.358	0.01	1.11	622
140	1134.4	0.1	7.5	22.4%	0.51	2.66	2.49	59.6%	0.133	0.356	0.01	1.11	635
141	1134.5	0.1	7.5	22.6%	0.52	2.62	2.51	59.1%	0.134	0.367	0.01	1.11	648
142	1134.6	0.1	7.6	22.6%	0.52	2.63	2.51	58.8%	0.133	0.353	0.01	1.11	651
143	1134.7	0.1	7.6	22.5%	0.52	2.65	2.51	59.0%	0.133	0.328	0.01	1.11	645
144	1134.8	0.1	7.5	22.6%	0.51	2.63	2.50	59.2%	0.133	0.324	0.01	1.11	645
145	1134.9	0.1	7.6	22.7%	0.53	2.60	2.52	58.5%	0.133	0.299	0.01	1.11	661
146	1135	0.1	7.6	22.8%	0.53	2.59	2.53	58.3%	0.133	0.285	0.01	1.11	664
147	1135.1	0.1	7.7	22.9%	0.54	2.57	2.54	57.7%	0.132	0.277	0.01	1.11	677
148	1135.2	0.1	7.8	22.9%	0.55	2.57	2.55	57.4%	0.131	0.256	0.01	1.11	683
149	1135.3	0.1	7.8	22.7%	0.54	2.61	2.54	57.8%	0.131	0.231	0.01	1.11	670
150	1135.4	0.1	7.8	23.0%	0.55	2.54	2.56	57.0%	0.131	0.218	0.01	1.11	693
151	1135.5	0.1	7.8	23.0%	0.55	2.54	2.56	57.0%	0.131	0.225	0.01	1.11	693
152	1135.6	0.1	7.9	23.1%	0.57	2.52	2.58	56.4%	0.130	0.218	0.01	1.11	705
153	1135.7	0.1	8	22.9%	0.56	2.56	2.57	56.5%	0.129	0.207	0.01	1.11	698
154	1135.8	0.1	8	22.7%	0.55	2.60	2.56	57.0%	0.129	0.207	0.01	1.11	685
155	1135.9	0.1	8	22.4%	0.54	2.67	2.53	57.8%	0.129	0.195	0.01	1.11	661
156	1136	0.1	8.1	22.2%	0.54	2.71	2.53	57.9%	0.128	0.213	0.01	1.11	654
157	1136.1	0.1	8.1	22.2%	0.54	2.71	2.53	57.9%	0.128	0.223	0.01	1.11	654
158	1136.2	0.1	8.2	22.3%	0.55	2.69	2.54	57.3%	0.127	0.252	0.01	1.11	666
159	1136.3	0.1	8.2	22.5%	0.56	2.65	2.56	56.8%	0.128	0.261	0.01	1.11	679
160	1136.4	0.1	8.3	22.6%	0.57	2.63	2.57	56.3%	0.127	0.272	0.01	1.11	691
161	1136.5	0.1	8.4	22.3%	0.56	2.68	2.56	56.5%	0.126	0.277	0.01	1.11	680
162	1136.6	0.1	8.5	22.5%	0.58	2.64	2.58	55.7%	0.125	0.310	0.01	1.11	698
163	1136.7	0.1	8.5	22.2%	0.56	2.71	2.56	56.5%	0.125	0.326	0.01	1.11	675
164	1136.8	0.1	8.5	21.9%	0.55	2.77	2.54	57.1%	0.125	0.337	0.01	1.11	659
165	1136.9	0.1	8.5	21.8%	0.55	2.79	2.53	57.3%	0.125	0.369	0.01	1.11	652
166	1137	0.1	8.6	21.6%	0.55	2.84	2.52	57.5%	0.124	0.380	0.01	1.11	644
167	1137.1	0.1	8.7	21.2%	0.53	2.95	2.50	58.2%	0.123	0.426	0.01	1.11	619
168	1137.2	0.1	8.8	20.9%	0.53	3.01	2.48	58.5%	0.122	0.462	0.01	1.11	608
169	1137.3	0.1	8.8	20.4%	0.50	3.15	2.45	59.8%	0.122	0.480	0.01	1.11	575
170	1137.4	0.1	8.8	20.1%	0.49	3.23	2.42	60.6%	0.122	0.550	0	1.11	0
171	1137.5	0.1	8.9	19.8%	0.48	3.34	2.40	61.2%	0.121	0.590	0	1.11	0
172	1137.6	0.1	8.9	18.9%	0.44	3.63	2.34	63.9%	0.120	0.630	0	1.11	0
173	1137.7	0.1	8.9	18.6%	0.43	3.73	2.32	64.8%	0.120	0.630	0	1.11	0
174	1137.8	0.1	9	18.0%	0.41	3.94	2.28	66.2%	0.119	0.683	0	1.11	0
175	1137.9	0.1	9	17.6%	0.39	4.13	2.25	67.7%	0.119	0.721	0	1.11	0
176	1138	0.1	9	17.5%	0.39	4.15	2.24	67.9%	0.119	0.780	0	1.11	0
177	1138.1	0.1	9	17.3%	0.38	4.23	2.23	68.6%	0.119	0.809	0	1.11	0
178	1138.2	0.1	9	17.3%	0.38	4.26	2.23	68.8%	0.119	0.840	0	1.11	0
179	1138.3	0.1	9.1	17.6%	0.40	4.13	2.25	67.3%	0.118	0.877	0	1.11	0
180	1138.4	0.1	9.1	17.2%	0.38	4.30	2.23	68.8%	0.118	0.881	0	1.11	0
181	1138.5	0.1	9.1	17.2%	0.38	4.30	2.23	68.9%	0.118	0.908	0	1.11	0
182	1138.6	0.1	9.1	17.4%	0.39	4.21	2.24	68.0%	0.118	0.912	0	1.11	0
183	1138.7	0.1	9.2	17.7%	0.41	4.08	2.27	66.6%	0.118	0.922	0	1.11	0
184	1138.8	0.1	9.2	17.6%	0.40	4.11	2.26	66.8%	0.118	0.951	0	1.11	0
185	1138.9	0.1	9.1	18.0%	0.42	3.94	2.29	65.8%	0.118	0.937	0	1.11	0
186	1139	0.1	9.1	18.4%	0.43	3.81	2.31	64.7%	0.119	0.937	0	1.11	0
187	1139.1	0.1	9.1	18.7%	0.44	3.68	2.34	63.6%	0.119	0.933	0	1.11	0
188	1139.2	0.1	9.1	18.9%	0.45	3.63	2.35	63.1%	0.119	0.967	0	1.11	0
189	1139.3	0.1	9.2	18.8%	0.45	3.66	2.35	63.1%	0.118	0.969	0	1.11	0
190	1139.4	0.1	9.2	18.9%	0.46	3.61	2.36	62.7%	0.118	0.948	0	1.11	0
196	1139.5	0.1	9.2	18.8%</									

## CORE DESCRIPTION LOG

Lease: Barnhardt		Well No. 1-26		Enerjex Kansas, Inc.		Page 1 of 2	
Location: 30' N SE SE NE/4				27 Corporate Woods		Date: October 2, 2009	
3000' fsl, 990' fel, Sec. 26, T24S - R17E				10975 Grandview		Cored Interval: 1094'-1119'	
Allen CO, KS		API: 15-001-29889-00-00		Overland Park, KS 66210		Bartlesville Sandstone	
Depth (feet)	Photo	Lithology Log	Oil Saturated Sandstone		Description	Other Observations	
			0	% 100			
1094.0							
1095.0					1094.0-1095.0'; Siltstone, (70%), light gray, sandy, ripple marks with minor horizontal bedding, poor porosity, no oil stain; Shale, (30%), dark gray, abundant plant carbon debris, mica.		
1096.0					1095.0-1097.5'; Siltstone, (40%), light gray, sandy, mostly horizontal laminae with a few ripple marks, poor porosity, no oil stain; Shale, (60%), dark gray, abundant plant carbon debris, mica.		
1097.0							
1097.5					1097.5-1100.0'; Siltstone, (70%), light gray, sandy, mostly ripple marks with minor horizontal laminae, poor porosity, trace oil stain at 1097.8' and 1099.5; Shale, (30%), dark gray, abundant plant carbon debris, mica, sharp angled contact with underlying sandstone.		
1098.0							
1099.0							
1100.0					1100.0-1101.0'; Sandstone, (97%), medium brown, mostly fine (90%) to medium (10%) grained sub-angular quartz, massive, very faint cross bedding, very slightly calcareous, very good to excellent porosity, very good oil stain, good bleeding of brown oil, probable gassy zone.	Good show of free brown oil	
1101.0					1101.0-1105.0'; Sandstone, (100%), dark brown, mostly fine to medium grained sub-angular quartz, massive, very faint cross bedding, very slightly calcareous, very good to excellent porosity, very good oil stain, good bleeding of brown oil.	Good show of free brown oil	
1102.0							
1103.0							
1104.0							

**Griffin Geological Resources, Inc.**  
By David Griffin, RG, Owner

1502 W. 27th Terr  
Lawrence, KS 66046

Ph: 785-842-3665  
Cell: 785-766-0099

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WICHITA, KS



## CORE DESCRIPTION LOG

Lease: Barnhardt		Well No. 1-26		Energex Kansas, Inc.		Page 2 of 2								
Location: 30' N SE SE NE/4				27 Corporate Woods		Date: October 2, 2009								
3000' fsl, 990' fel, Sec. 26, T24S - R17E				10975 Grandview		Cored Interval: 1094'-1119'								
Allen CO, KS		API: 15-001-29889-00-00		Overland Park, KS 66210		Bartlesville Sandstone								
Depth (feet)	Photo	Lithology Log	Oil Saturated Sandstone		Description	Other Observations								
			0	% 100										
1104.0		..... ..... ..... ..... ..... ..... ..... ..... ..... ..... .....	[Yellow shaded area]	[Yellow shaded area]	1105.0-1107.5'; Sandstone, (100%), medium brown, mostly fine (80%) to medium (20%) grained sub-angular quartz, massive, very slightly calcareous, very good to excellent porosity, very good oil stain, good bleeding of brown oil.	Good show of free brown oil								
1105.0														
1106.0														
1107.0														
1108.0							[Yellow shaded area]	..... ..... ..... ..... ..... ..... ..... ..... ..... ..... .....	1107.5-1109.4'; Sandstone, (95%), gray to grayish brown, mostly fine (70%) to medium (30%) grained sub-angular quartz, fair to good porosity, massive, minor residual oil stain at 1108.0 and 1108.5, no free oil, calcareous, minor	Good show of free brown oil				
1108.0														
1109.0														
1110.0											[Yellow shaded area]	..... ..... ..... ..... ..... ..... ..... ..... ..... ..... .....	1109.4-1111.3'; Sandstone, (95%), gray, mostly fine (70%) to medium (30%) grained sub-angular quartz, fair to good porosity, 20° cross bedding, very slight residual oil stain in irregularly spaced 0.5 to 1.5 cm thick lenses throughout, no free oil, very calcareous, 20% plant carbon debris at 1111.2-1111.3	
1110.0														
1111.0														

**Griffin Geological Resources, Inc.**  
By David Griffin, RG, Owner

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Core Photograph Log  
Barnhardt 1-26, Enerjex Kansas, Inc.  
Taken October 2, 2009



1100.0' to 1102.9', Not Rinsed Pay Zone



1102.3' to 1104.7', Not Rinsed Pay Zone

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WICHITA, KS



Core Photograph Log  
Barnhardt 1-26, Enerjex Kansas, Inc.  
Taken October 2, 2009



1103.9' to 1106.6', Not Rinsed Pay Zone



1105.6' to 1108.0', Pay Zone and Transition Zone

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Core Photograph Log  
Barnhardt 1-26, Enerjex Kansas, Inc.  
Taken October 2, 2009



1106.8' to 1110.1', Saltwater Zone



1109.1' to 1111.5', Saltwater Zone

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