



KANSAS CORPORATION COMMISSION 1073033
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., 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 Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(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 #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that 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.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1073033

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input 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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Hodges, Dennis D. and/or Peggy D.
Well Name	Hodges 5
Doc ID	1073033

Tops

Name	Top	Datum
Base KC	1092	+46
Cherokee	1376	-238
U. Squirrel SS, 10'	1388	-250
L. Squirrel SS, 13'	1431	-293
Ardmore LS	1481	-343
Burgess SS, 40'	1726	-588
Mississippian Dol	1774	-638
Rotary TD (GL)	1827	-689



CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 31614
LOCATION Eureka
FOREMAN Steve M...]

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

FIELD TICKET & TREATMENT REPORT

CEMENT APT# 15-031-23047

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9-27-11		Hodges # 5	12	215	13E	Coffey

CUSTOMER	TRUCK #	DRIVER	TRUCK #	DRIVER
Dennis D. Hodges	485	Alan M		
MAILING ADDRESS	441	Jim		
1827 Rd 2				
CITY				
Reading				
STATE				
KS				
ZIP CODE				
66865				

JOB TYPE Surface 0 HOLE SIZE 12 1/2 HOLE DEPTH 160' CASING SIZE & WEIGHT 8 3/4
 CASING DEPTH 150 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.5 lb SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 15'
 DISPLACEMENT 8 1/2 bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Soft meeting. Rig up to 8 3/4 casing. Break circulation with 5 bbls fresh water. Mix 100 sks Class A Cement w/ 3% cack, 2% Gel & 1/4" Flo-Cel. Displace with 8 1/2 bbls Freshwater. Shut well in. Good Cement Returns to surface. Job complete. Rig down.

Thank You

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	775.00	775.00
5406	45	MILEAGE	4.00	180.00
11045	100 sks	Class A Cement	14.25	1425.00
1102	250 #	Cack 3%	.70	196.00
1115B	150 #	Gel 2%	.20	36.00
1107	25 #	Flo-Cel 1/4" 200/150	2.22	55.50
5407		Ton mileage Bulk Truck	m/c	330.00
		Total 3105.39	Pay Check #	
	5% Discount	- 155.27	6712	
		Total 2950.12		
			Sub Total	2997.50
			SALES TAX	107.89
			ESTIMATED TOTAL	3105.39

Ravin 3737

AUTHORIZATION Dennis D. Hodges TITLE Owner / Operator DATE 9-27-11

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's



CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 33235

LOCATION Eureka

FOREMAN Stouffer

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

FIELD TICKET & TREATMENT REPORT

CEMENT APT 15-031-23047

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10-1-11		Hodges #5	12	215	13E	Coffey

CUSTOMER	TRUCK #	DRIVER	TRUCK #	DRIVER
Dennis & Peggy Hodges	485	Alan m		
MAILING ADDRESS	515	Calin		
1527 Rd. 2	437	Jim		
CITY				
Reading				
STATE				
Ks				
ZIP CODE				
66868				

JOB TYPE Long string HOLE SIZE 7 7/8 HOLE DEPTH 1827' CASING SIZE & WEIGHT 5" 15.5" NRV
 CASING DEPTH 1823' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13.6" SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT 441's DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety Meeting: Rig up to 5 1/2 casing. Break circulation with 5 bbls Fresh
Water Pump 12 bbl Caustic Soda, 200 Flush 15 bbls water spacer mix 135 sks
Thick set cement 6 1/2" Kol-Seal pack @ 13.6" gal. Wash out pump & lines.
Release latch down plug Displace with 441's fresh water. Final pumping
Pressure loss. Pump plug 1100' wait 2 min Release pressure Plug hold
Had good circulation During Job

Job completed Rig down

Thank You

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	975.00	975.00
5406	45	MILEAGE	4.00	180.00
1126A	135 sks	Thick set Cement	18.30	2470.50
1110A	675"	Kol-Seal 5" pack	.44	297.00
1107	100"	Caustic Soda (pre flush)	1.52	152.00
5407A	7.43	Fan Mileage Bulk Truck	1.26	421.28
3502C	4 hrs	80 bbl Vacuum Truck	90.00	360.00
1123	3000 gallons	City Water	15.60/1000	46.80
4159	1	5 1/2" AFU Float Shoe	344.00	344.00
445H	1	5 1/2" Latch down Plug	254.00	254.00
4120	5	5 1/2" 7/8 Centralizer	48.00	240.00
4104	1	5 1/2" Basket	229.00	229.00
		Total	6223.68	
		5% Discount	311.18	
		Total	5912.50	
		Paid check #6717	2.3%	
		SALES TAX		254.10
		ESTIMATED TOTAL		6223.68

RAVIN 3737 AUTHORIZATION Dennis M. Hodges TITLE Owner/Operator DATE 10-1-11

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office; and conditions of service on the back of this form are in effect for services identified on this form

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

January 29, 2012

Dennis Hodges
Hodges, Dennis D. and/or Peggy D.
1827 Rd Z
Reading, KS 66868

Re: ACO1
API 15-031-23047-00-00
Hodges 5
NW/4 Sec.12-21S-13E
Coffey County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Dennis Hodges

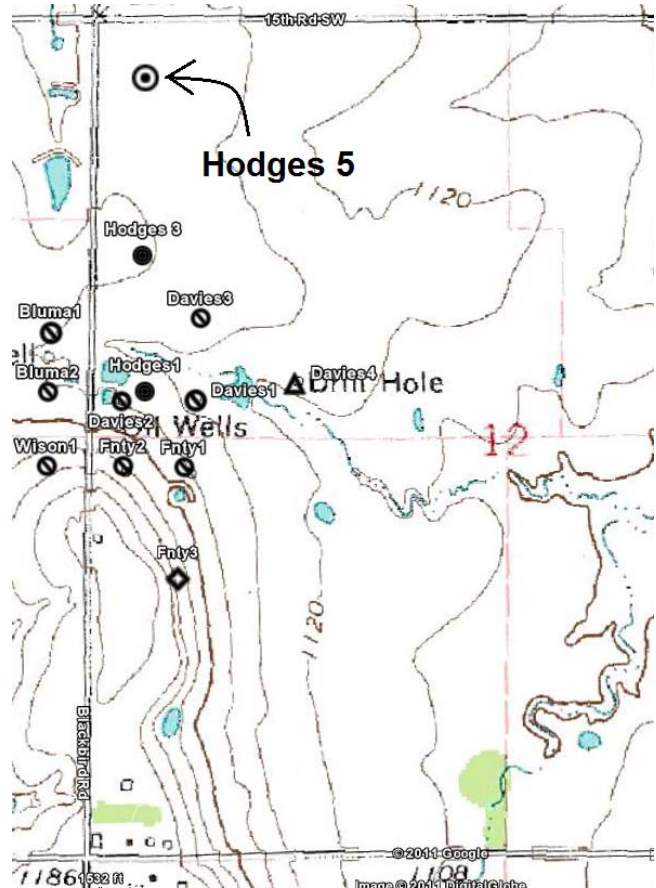
Geological Wellsite Report

By David Griffin, RG
GGR, Inc. (Griffin Geological Resources)
October 3, 2011

Well Info: Hodges 5
NW NW NW/4
4950' fsl, 330' fwl
Section 12, T21S-R13E
Coffey County, KS
API No. 15-031-23047
GPS Coordinates
W-95.938833, N38.242306
Datum: GL, Elev. 1138.2' Svy
RTD: 1827', GL
Status: 5 $\frac{1}{2}$ Pipe Set,
Burgess SS Test

Operator: Dennis D. and
Peggy D. Hodges
1827 Road Z
Reading, Kansas 66868
Operator License No.: 34291
Contact: Dennis Hodges

Contractor: Three Rivers Exploration, LLC
Contractor License No.: 33217
Owner: Dave Farthing



Objectives: Primary objective, evaluate the Burgess Sandstone
Secondary objective, evaluate the Squirrel Sandstones.

Drilling Notes:

September 26, 2011, Spud, Set 151', 8 $\frac{5}{8}$ " Surface Casing
October 1, 2011, Reached Total Depth of 1827', GL
Bit One, 7 $\frac{7}{8}$ " PDC Bit from 150' to 1609'
Bit Two, 7 $\frac{7}{8}$ " Button Bit from 1609' to TD at 1827'
Native fresh water mud to 1546', Chemical Gel Mud 1546' to TD

Geological Supervision:

David Griffin, RG, provided wellsite supervision on September 29, 30 and October 1, 2011. Drilling was witnessed from 1200' to TD at 1827', samples were microscopically examined from 1300' to 1827'.

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

Geological Datums:

Geologic Tops					
Dennis and Peggy Hodges Hodges 5 NW NW NW/4 Sec. 12-T21S-R13E			Dennis and Peggy Hodges Hodges 3 N/2 NW SW NW/4 Sec. 12-T21S-R13E		
Zones of Interest	OH Log Tops		S C T O R M C P	OH Log Tops	
	GL Elev. 1138.2'			GL Elev. 1142'	
	Depth	Subsea		Depth	Subsea
Base Kansas City	1092	46	-4	1090	52
Cherokee	1376	-238	-3	1377	-235
Upper Squirrel SS	1388	-250	-12	1380	-238
Base SS	1401	-263	-7	1398	-256
Lower Squirrel SS	1431	-293	-7	1428	-286
Base SS	1444	-306	-2	1446	-304
Ardmore LS	1481	-343	-6	1480	-338
Burgess SS	1726	-588	-8	1721	-579
Top Best Pay Zone, (Porosity)	1728	-590	-11	1721	-579
Base Pay (75% SW Cutoff)	1731	-593	+1	1736	-594
Top Potential Lower Pay	1740	-602		na	
Base Pay (75% SW Cutoff)	1748	-610		na	
Base SS	1766	-628	+3	1773	-631
Mississippian Dol	1774	-636	-3	1775	-633
Rotary Total Depth	1827	-689		1824	-682

Structural Comparisons:

Structural comparison of the top of the Burgess Sandstone Pay Zone indicates that Hodges 5 is structurally 11' low to Hodges 3, a new pending producer well lying ~1100' to the south.

Gas Detection, Logs, Cores, DST's:

Digital total gas detection and rate of penetration was performed from 1300' to TD at 1827'. Dual induction and dual porosity open hole log was ran by Osage Wireline. No cores or DST's were obtained for this well.

Descriptions of Oil Show Zones:

Upper Squirrel SS

1388' to 1401', GL, (-250'), 13' thick, Very Good to Excellent Pay Zone Potential

Sandstone, dark brown, mostly clean, very fine to fine grained sub-angular quartz, loose grains to clusters, mostly good porosity, good odor, very good to excellent show of free brown oil rinsing from samples and bleeding into sample bags, very good live oil show and odor from pit; heavy oil below 1400', (-262); Siltstone, shale, 10% to 50%, very light gray to gray. Total gas readings peaked at 795 units which are 650 units of the background reading of approximately 135 units, no gas bubbles observed.

Pay Zone was flagged from 1388.5' to 1396' using an Rw of 0.15 and cutoffs for saltwater (Sw) of 75%, porosity (Phi) of 17%.

Oil In-Place for the flagged pay zone interval was estimated at 28,516 barrels using 440' well spacing. The recovery factor is highly variable, but for comparison purposes, a 10% recovery factor would result in approximately 2,852 barrels produced. See attached sheet of saltwater calculations.

Lower Squirrel SS

1431' to 1444', GL, (-293'), 13' thick, No Pay Zone Potential

Sandstone, dark gray, micaceous, very fine to fine grained sub-angular quartz, loose grains to clusters, mostly good porosity with minor tite, good odor; good show of dark brown heavy oil rinsing from samples and bleeding into sample bags, no show of oil in pit, no tar present; Siltstone and shale interbeds, 20%, dark gray. Total gas readings peaked at 429 units which is 254 units of background of approximately 175 units.

Pay Zone was flagged from 1429' to 1435' using an Rw of 0.15 and cutoffs for Sw of 70%, Phi of 17% and VSH of 0.8.

Oil In-Place for the flagged pay zone interval was estimated at 203 barrels using a 440' well spacing. Due to the heavy gravity and high saltwater calculations, this zone has no potential for commercial pay zone. See attached sheet of saltwater calculations.

Burgess SS

1726' to 1766', GL, (-588'), 40' thick, Very Good Pay Zone Potential 1728'-1733'

Sandstone, light brown, light gray brown to light gray, mostly clean, very fine to medium grained, sub-rounded to sub-angular quartz, loose grains to clusters, fair to very good porosity with minor tite zones of quartz re-crystallization, pyrite common from 1739'-1747', detail discussion below.

(1726'-1728'), Sandstone, 50%, light brown, fair to mostly good porosity, patchy tite in 20%, very fine to fine grained, very good odor, mostly very good show of free brown oil rinsing from samples and bleeding into sample bags, very good oil odor coming from pit. Total gas readings peaked at 109 units, which is 76 units above background of 33 units.

(1728'-1733'), Sandstone, 80%, brown, very fine to fine grained, sub-rounded, good porosity, strong odor in samples, strong odor and moderate oil show from pit, excellent show of free brown oil rinsing from samples and bleeding into sample bags. Total gas readings peaked at 59 units.

(1733'-1735'), Sandstone, 40%, light brown, very fine to fine grained, good porosity, good odor, very good show of free oil; Sandstone, 20%, fair to good porosity, fair patchy oil stain. Overall, very good show of free oil rinsing from samples and bleeding into sample bag. Total gas readings peaked at 49 units.

(1735'-1737'), Sandstone, 30%, light grayish-brown, very fine to fine grained, fair to good porosity, very good show of free oil; Sandstone, 30%, fair to good porosity, fair to good show of free oil; Sandstone, 10%, fair porosity, no show. Overall, good show of free oil rinsing from samples and bleeding into sample bag. Total gas readings peaked at 37 units.

(1737'-1739'), Shale, 30%, gray to dark gray; Sandstone, 40%, very fine to fine grained, good porosity, good show of free oil; Sandstone, 20%, fair to good porosity mostly with some tite, fair to good show of free oil; Sandstone, 10%, no show. Overall, good show of free oil rinsing from samples and bleeding into sample bag. Total gas readings peaked at 35 units.

(1739'-1743'), Sandstone, 50%, light grayish-brown, very fine to fine grained, fair porosity, good to very good show of free oil; Sandstone, 20%, fair to good porosity mostly with some tite, slight show of free oil; Sandstone, 10%, no show. Overall, good to very good show of free oil rinsing from samples and bleeding into sample bag. Total gas readings peaked at 39 units.

(1743'-1745'), Sandstone, 80%, light grayish-brown, very fine, fine to minor medium grained, fair to good porosity, good to very good show of free oil; Sandstone, 20%, tite to fair porosity, no show, pyrite common. Overall, good to very good show of free oil rinsing from samples and bleeding into sample bag. Total gas readings peaked at 45 units.

(1745'-1747'), Sandstone, 20%, light grayish-brown, very fine, fine to minor medium grained, fair to good porosity, good to very good show of free oil; Sandstone, 50%, very fine to fine grained, fair to good porosity, fair to good show of free oil, pyrite common. Overall, good to very good show of free oil rinsing from samples and bleeding into sample bag. Total gas readings peaked at 45 units.

(1747'-1748'), Sandstone, 20%, light grayish-brown, very fine to medium grained, fair to good porosity, good show of free oil; Sandstone, 30%, good porosity, fair show of free oil, pyrite minor; Sandstone, 40%, slight show of free oil. Overall, good show of free oil rinsing from samples and bleeding into sample bag. Total gas readings peaked at 45 units.

(1748'-1750'), Sandstone, 15%, light grayish-brown, very fine to medium grained, fair porosity, fair show of free oil; Sandstone, 25%, good porosity, slight show of free oil; Sandstone, 40%, poor to fair porosity, no oil show. Overall, fair show of free oil rinsing from samples and bleeding into sample bag. Total gas readings peaked at 45 units.

(1750'-1755'), Sandstone, 90%, light gray, fine to medium grained, good to very good porosity, many loose grains, no show of oil; Sandstone, 5%, slight show of oil. Overall, trace show of free oil rinsing from samples and bleeding into sample bag. Total gas readings peaked at 33 units.

(1755'-1768'), Sandstone, 90%, light gray, fine to medium grained, poor to very good porosity, many loose grains and hard clusters, no show of oil; Sandstone, 5%, slight show of oil. Overall, trace show of free oil rinsing from samples and bleeding into sample bag. Total gas readings peaked at 33 units.

Medium to bright fluorescence from oil stain was as follows:

1726'-1728', 50% Bright, Very Good Pay Potential

1728'-1733', 80% Bright, Excellent Potential

1733'-1735', 60%, (40% Bright, 20% Medium), Good Potential

1735'-1737', 60%, (30% Bright, 30% Medium), Good Potential,
Possibly Water Transition Zone

1737'-1739', 60%, (30% Bright, 30% Medium), Good Potential,
Log shows mostly shale

1739'-1743', 70%, (20% Bright, 50% Medium), Good to Very Good
Potential

1743'-1745', 80%, (40% Bright, 40% Medium), Good to Very Good
Potential

1745'-1747', 70%, (20% Bright, 50% Medium), Good to Very Good
Potential, Water Transition Zone

1747'-1748', 50%, (20% Bright, 30% Medium), Water Transition

1748'-1750', 25%, Medium, Water Transition

1750'-1762', 5%, Medium, Possible Cross Sample Contamination,
Water Zone

Based on sample observations, the best potential pay zone lies from 1728' to 1733'. A potential commercial lower pay zone lies from 1739' to 1745', but will probably be accompanied by an increase in saltwater. Pay Zone was flagged from 1729' to 1731', 1740' to 1741' and 1744' to 1748' using an R_w of 0.2 and cutoffs for S_w of 75%, Φ of 16% and VSH of 0.8. See attached sheet of saltwater calculations.

Oil In-Place in the flagged pay zone interval was estimated at 10,182 barrels using a 660' well spacing. It is thought that potential pay zone exists from 1728' to 1733', however the zone may be too thin to be adequately resolved by the deep induction logging tool which results in a lower than actual R_t value. Also, pyrite may negatively bias the R_t value from 1739' to 1747'.

Summary:

Hodges 5 contained Upper Squirrel Sandstone from 1388' (-250) to 1401', (13' thick) with a very good to excellent show of free brown oil rinsing from samples and appearing in pit throughout. The Upper Squirrel Sandstone has very good to excellent potential as pay zone with saltwater calculations that ranged from 35% to 56%. Lower Squirrel Sandstone was present from 1431', (-293) to 1444', (12' thick) with good shows of heavy oil. The Lower Squirrel Sandstone has no pay zone potential with saltwater calculations that are no better than 70%. Burgess Sandstone was present from 1726' (-588) to 1766', (40' thick) and contained mostly good to excellent show of free brown oil from 1726' to 1747'. Based on sample observations, the Burgess Sandstone has excellent pay zone potential from 1728' to 1733', however saltwater calculations are lower than anticipated which reduced the amount of flagged pay zone. The top of the Burgess Sandstone Porosity is structurally 11' low to Hodges 3, a new potential Burgess Sandstone producer well lying ~1100' to the south. Due to the very good to excellent potential of the Upper Squirrel and Burgess Sandstones, 5 $\frac{1}{2}$ " production casing was set.

Recommendations:

It is recommended that the Burgess Sandstone be perforated from 1728' to 1731', GL and tested naturally through perforations. A cased hole GRN log should be correlated with the open-hole and sample log to aid in properly placing the perforations. The Upper Squirrel Sandstone could also be tested with perforations from 1389' to 1396' and sand frac'd. However, a separate well development with waterflood plan on 440' acre spacing should be considered.

Respectfully Submitted,



David Griffin, RG, Owner
GGR Inc. (Griffin Geological Resources)
Lawrence, Kansas
785-842-3665

Attachment: Sample Log, Saltwater and OIP Calculations

Hodges 5
Upper Squirrel Sandstone Saltwater and Oil in Place Calculations
 NW NW NW/4, Sec. 12-T21S-R13E, Coffey County, KS
 October 3, 2011

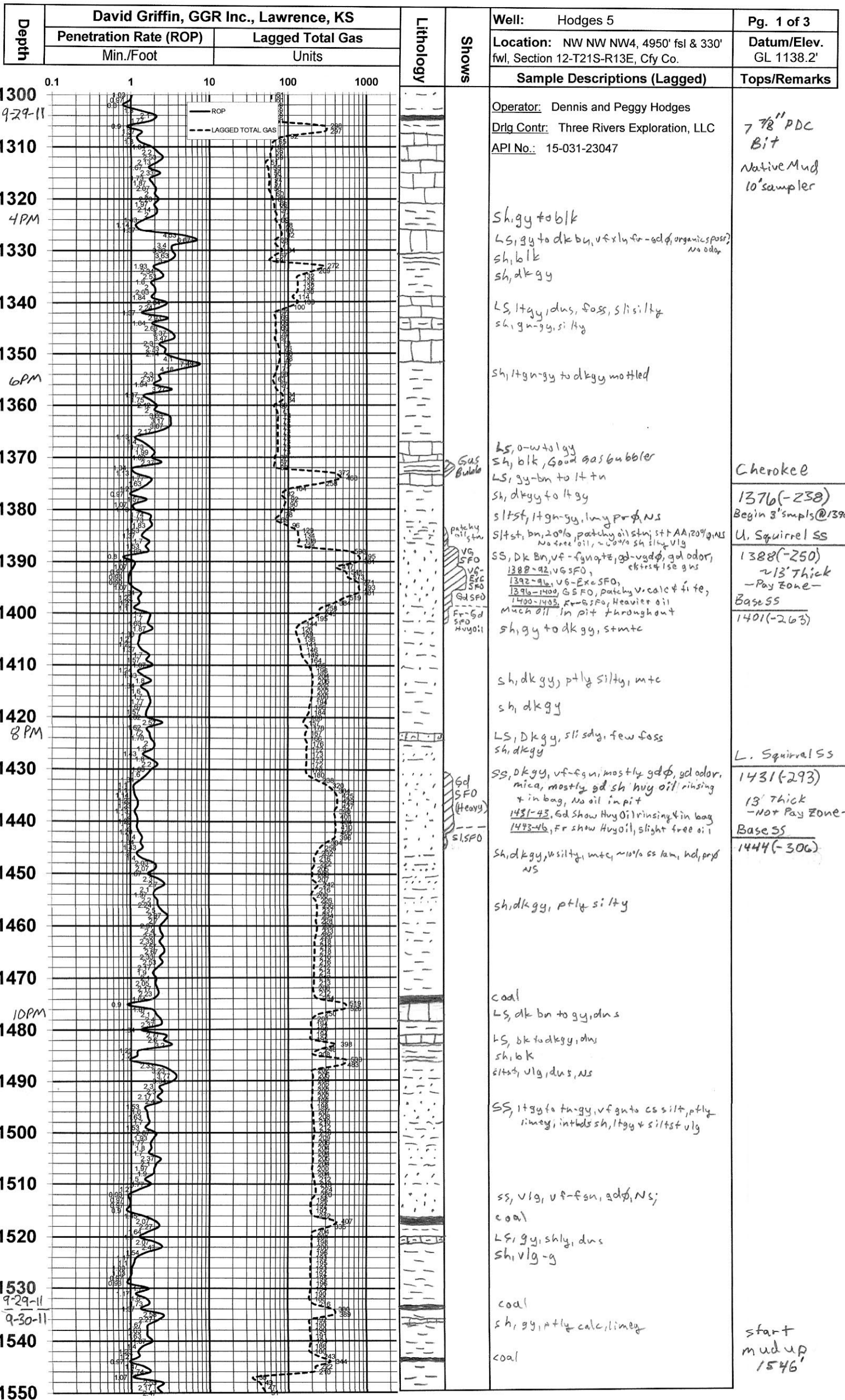
Model = Archie													Barrels Oil		
PARAMETERS	Zone	Depth	Thick	Porosity		RWA	RO	MA	SW	BVW	VSH	FT		In-Place Per Acre	
				RT	PHI							PAY	BOI		
X	1	1386	0.5	8.58	15.1%	0.28	4.53	2.14	72.7%	0.109	0.862	0	1.12	0	
Y	2	1386.5	0.5	8.74	15.2%	0.29	4.44	2.16	71.3%	0.109	0.908	0	1.12	0	
A	1	3	1387	0.5	9.01	15.5%	0.31	4.32	2.19	69.3%	0.107	0.922	0	1.12	0
M	1.8	4	1387.5	0.5	9.46	15.9%	0.34	4.11	2.25	65.9%	0.105	0.922	0	1.12	0
N	2	5	1388	0.5	10.04	16.5%	0.39	3.83	2.34	61.8%	0.102	0.901	0	1.12	0
RW	0.15	6	1388.5	0.5	10.77	17.7%	0.48	3.39	2.47	56.1%	0.099	0.892	0.04	1.12	269
CTHK	20.5	7	1389	0.5	11.73	19.2%	0.60	2.93	2.64	50.0%	0.096	0.983	0.05	1.12	332
AVPHI	0.18	8	1389.5	0.5	12.93	20.2%	0.73	2.66	2.79	45.3%	0.092	1.089	0.06	1.12	383
FTOIL	0.93	9	1390	0.5	14.40	20.6%	0.84	2.57	2.89	42.2%	0.087	1.121	0.06	1.12	413
PAYFEET	8	10	1390.5	0.5	16.18	20.8%	0.96	2.53	2.98	39.5%	0.082	1.055	0.06	1.12	436
Estimated Oil-In-Place		11	1391	0.5	17.99	20.8%	1.06	2.54	3.05	37.6%	0.078	0.930	0.06	1.12	450
440' Spacing 28,516		12	1391.5	0.5	19.46	20.2%	1.09	2.68	3.04	37.1%	0.075	0.796	0.06	1.12	439
10%OIP 2,852		13	1392	0.5	20.76	19.5%	1.09	2.85	3.02	37.0%	0.072	0.695	0.06	1.12	425
DMIN		14	1392.5	0.5	21.88	19.2%	1.12	2.93	3.02	36.6%	0.070	0.596	0.06	1.12	421
DMAX		15	1393	0.5	22.57	19.0%	1.13	2.98	3.02	36.4%	0.069	0.486	0.06	1.12	419
GL	1138	16	1393.5	0.5	22.85	19.0%	1.16	2.97	3.03	36.0%	0.069	0.405	0.06	1.12	422
LTD		17	1394	0.5	22.84	19.3%	1.18	2.90	3.05	35.6%	0.069	0.368	0.06	1.12	430
BHT		18	1394.5	0.5	22.60	19.6%	1.20	2.83	3.07	35.4%	0.069	0.359	0.06	1.12	438
ST		19	1395	0.5	21.51	19.6%	1.14	2.83	3.04	36.3%	0.071	0.376	0.06	1.12	432
RMF		20	1395.5	0.5	19.43	18.6%	0.94	3.09	2.89	39.9%	0.074	0.394	0.06	1.12	388
RMFT		21	1396	0.5	17.02	17.2%	0.72	3.55	2.69	45.7%	0.079	0.399	0.05	1.12	325
		22	1396.5	0.5	14.97	16.7%	0.60	3.77	2.57	50.2%	0.084	0.437	0	1.12	0
CUT-OFFS		23	1397	0.5	13.38	16.7%	0.54	3.74	2.51	52.9%	0.089	0.534	0	1.12	0
PHICUT	0.17	24	1397.5	0.5	12.06	16.6%	0.48	3.78	2.45	56.0%	0.093	0.653	0	1.12	0
SWCUT	0.75	25	1398	0.5	10.96	16.2%	0.42	3.95	2.36	60.1%	0.098	0.704	0	1.12	0
VSHCUT	na	26	1398.5	0.5	10.01	16.0%	0.37	4.08	2.29	63.8%	0.102	0.691	0	1.12	0
BVWCUT	0.22	27	1399	0.5	9.23	16.1%	0.35	4.01	2.26	65.9%	0.106	0.691	0	1.12	0
		28	1399.5	0.5	8.73	16.8%	0.35	3.72	2.28	65.3%	0.110	0.733	0	1.12	0
Colors:		29	1400	0.5	8.50	17.2%	0.36	3.55	2.30	64.6%	0.111	0.765	0	1.12	0
		30	1400.5	0.5	8.42	16.9%	0.34	3.69	2.26	66.2%	0.112	0.780	0	1.12	0
		31	1401	0.5	8.40	16.3%	0.32	3.93	2.22	68.4%	0.111	0.872	0	1.12	0
		32	1401.5	0.5	8.43	16.0%	0.31	4.04	2.20	69.2%	0.111	1.016	0	1.12	0
		33	1402	0.5	8.45	16.1%	0.32	4.01	2.21	68.9%	0.111	1.092	0	1.12	0
		34	1402.5	0.5	8.48	16.4%	0.33	3.87	2.23	67.6%	0.111	1.079	0	1.12	0
		35	1403	0.5	8.53	16.8%	0.35	3.71	2.27	65.9%	0.111	1.026	0	1.12	0
		36	1403.5	0.5	8.53	17.1%	0.35	3.62	2.28	65.1%	0.111	0.981	0	1.12	0
		37	1404	0.5	8.47	17.1%	0.35	3.62	2.28	65.4%	0.112	0.974	0	1.12	0
		38	1404.5	0.5	8.41	17.1%	0.35	3.59	2.28	65.4%	0.112	0.951	0	1.12	0
		39	1405	0.5	8.36	17.3%	0.35	3.54	2.29	65.1%	0.112	0.914	0	1.12	0
		40	1405.5	0.5	8.36	17.2%	0.35	3.57	2.28	65.3%	0.112	0.886	0	1.12	0
		41	1406	0.5	8.43	16.9%	0.34	3.70	2.26	66.2%	0.112	0.860	0	1.12	0

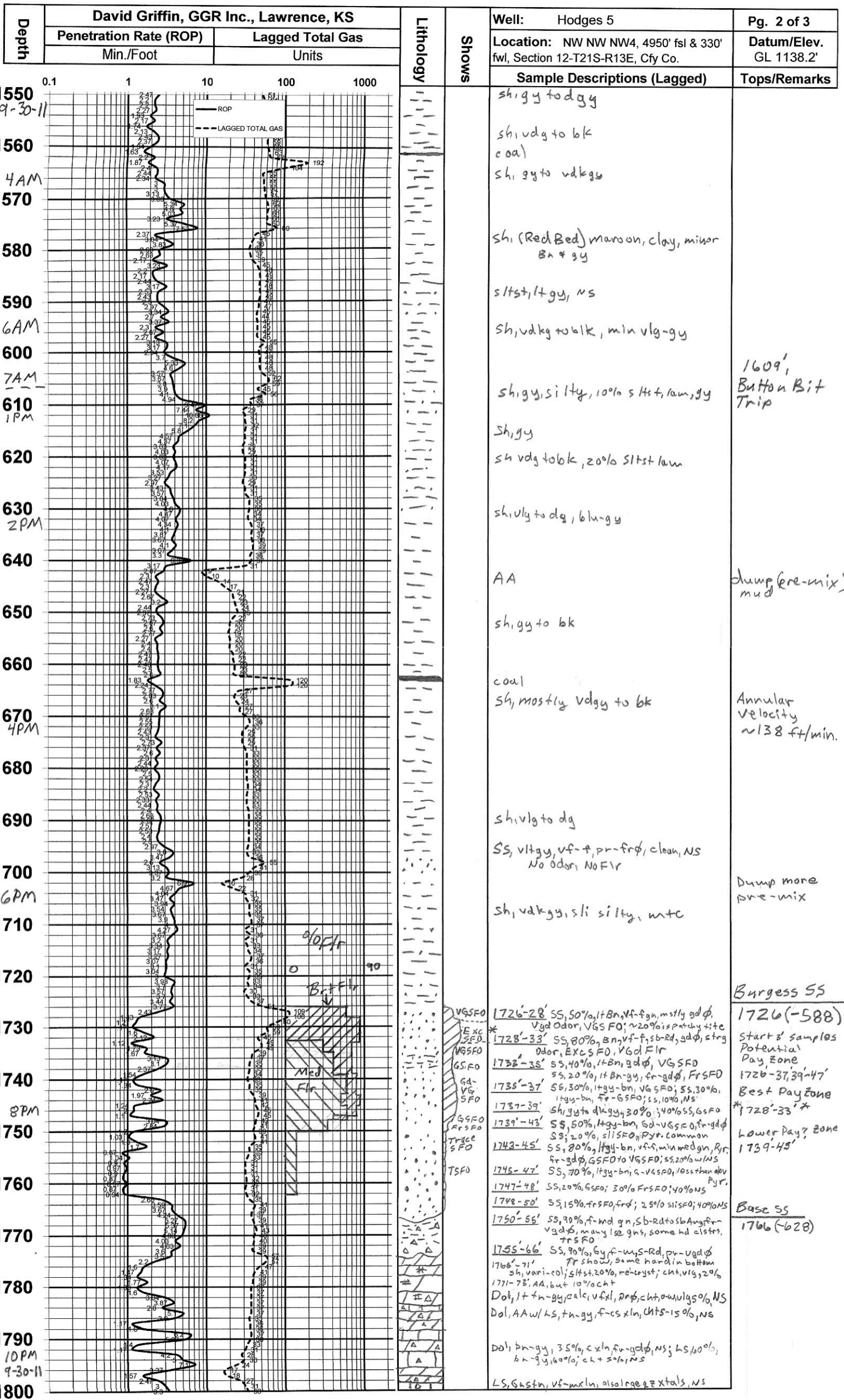
Hodges 5
Lower Squirrel Sandstone Saltwater and Oil in Place Calculations
 NW NW NW/4, Sec. 12-T21S-R13E, Coffey County, KS
 October 3, 2011

Model = Archie														Barrels Oil
PARAMETERS	Zone	Depth	Thick	Porosity				MA	SW	BVW	VSH	FT PAY	BOI	In-Place Per Acre
				RT	PHI	RWA	RO							
X	1	1420	0.5	7.25	16.9%	0.29	3.69	2.18	71.3%	0.120	1.006	0	1.12	0
Y	2	1420.5	0.5	6.91	16.6%	0.27	3.78	2.14	74.0%	0.123	1.023	0	1.12	0
A	1	1421	0.5	6.55	16.1%	0.24	4.01	2.07	78.3%	0.126	1.042	0	1.12	0
M	1.8	1421.5	0.5	6.24	15.7%	0.22	4.19	2.02	81.9%	0.129	1.070	0	1.12	0
N	2	1422	0.5	6.03	15.9%	0.22	4.11	2.01	82.5%	0.131	1.121	0	1.12	0
RW	0.15	1422.5	0.5	5.94	16.4%	0.23	3.89	2.03	80.9%	0.133	1.144	0	1.12	0
CTHK	30.5	1423	0.5	6.01	16.8%	0.24	3.72	2.07	78.7%	0.132	1.168	0	1.12	0
AVPHI	0.17	1423.5	0.5	6.20	16.3%	0.24	3.91	2.05	79.4%	0.130	1.152	0	1.12	0
FTOIL	0.07	1424	0.5	6.40	14.6%	0.20	4.78	1.95	86.4%	0.126	1.028	0	1.12	0
PAYFEET	1	1424.5	0.5	6.57	12.6%	0.16	6.28	1.82	97.7%	0.123	0.837	0	1.12	0
Estimated Oil-In-Place	11	1425	0.5	6.74	11.4%	0.13	7.49	1.75	105.4%	0.120	0.713	0	1.12	0
440' Spacing	2,033	1425.5	0.5	6.93	11.6%	0.14	7.23	1.78	102.1%	0.119	0.718	0	1.12	0
10%OIP	203	1426	0.5	7.24	12.7%	0.18	6.13	1.88	92.0%	0.117	0.801	0	1.12	0
DMIN		1426.5	0.5	7.64	13.8%	0.22	5.32	1.98	83.4%	0.115	0.897	0	1.12	0
DMAX		1427	0.5	7.96	14.3%	0.24	4.96	2.04	79.0%	0.113	0.953	0	1.12	0
GL	1138	1427.5	0.5	8.05	14.1%	0.24	5.08	2.04	79.4%	0.112	0.980	0	1.12	0
LTD		1428	0.5	7.94	13.4%	0.21	5.61	1.97	84.1%	0.112	0.955	0	1.12	0
BHT		1428.5	0.5	7.71	12.5%	0.18	6.31	1.90	90.4%	0.113	0.882	0	1.12	0
ST		1429	0.5	7.40	12.2%	0.17	6.66	1.85	94.8%	0.115	0.818	0	1.12	0
RMF		1429.5	0.5	7.07	12.7%	0.17	6.17	1.87	93.4%	0.119	0.820	0	1.12	0
RMFT		1430	0.5	6.77	14.0%	0.20	5.18	1.94	87.4%	0.122	0.838	0	1.12	0
		1430.5	0.5	6.50	15.5%	0.23	4.31	2.02	81.5%	0.126	0.831	0	1.12	0
CUT-OFFS		1431	0.5	6.17	16.7%	0.25	3.77	2.07	78.2%	0.130	0.822	0	1.12	0
PHICUT	0.17	1431.5	0.5	5.80	17.7%	0.26	3.40	2.11	76.6%	0.135	0.819	0	1.12	0
SWCUT	0.7	1432	0.5	5.43	18.8%	0.27	3.05	2.14	74.9%	0.141	0.826	0	1.12	0
VSHCUT	0.8	1432.5	0.5	5.11	20.0%	0.28	2.71	2.19	72.9%	0.146	0.782	0	1.12	0
BVWCUT	0.22	1433	0.5	4.89	21.0%	0.30	2.48	2.24	71.2%	0.150	0.722	0	1.12	0
		1433.5	0.5	4.78	21.8%	0.31	2.33	2.27	69.8%	0.152	0.732	0.03	1.12	227
Colors:		1434	0.5	4.74	22.0%	0.31	2.30	2.28	69.6%	0.153	0.786	0.03	1.12	231
		1434.5	0.5	4.74	21.5%	0.30	2.38	2.25	70.8%	0.153	0.804	0	1.12	0
		1435	0.5	4.76	21.0%	0.29	2.48	2.22	72.3%	0.152	0.774	0	1.12	0
		1435.5	0.5	4.78	20.8%	0.28	2.53	2.21	72.7%	0.151	0.748	0	1.12	0
		1436	0.5	4.82	20.6%	0.28	2.58	2.20	73.1%	0.151	0.748	0	1.12	0
		1436.5	0.5	4.85	20.3%	0.27	2.65	2.18	73.9%	0.150	0.756	0	1.12	0
		1437	0.5	4.87	20.3%	0.27	2.66	2.18	73.9%	0.150	0.770	0	1.12	0
		1437.5	0.5	4.89	20.5%	0.28	2.60	2.20	72.9%	0.150	0.774	0	1.12	0
		1438	0.5	4.91	20.6%	0.28	2.59	2.21	72.6%	0.149	0.726	0	1.12	0
		1438.5	0.5	4.94	20.2%	0.28	2.67	2.18	73.5%	0.149	0.691	0	1.12	0
		1439	0.5	4.98	19.9%	0.27	2.75	2.17	74.3%	0.148	0.682	0	1.12	0
		1439.5	0.5	5.02	19.8%	0.27	2.76	2.17	74.2%	0.147	0.636	0	1.12	0
		1440	0.5	5.06	20.0%	0.28	2.72	2.18	73.4%	0.147	0.551	0	1.12	0
		1440.5	0.5	5.09	20.3%	0.29	2.64	2.21	72.0%	0.146	0.472	0	1.12	0
		1441	0.5	5.14	20.5%	0.30	2.61	2.23	71.3%	0.146	0.446	0	1.12	0
		1441.5	0.5	5.24	20.2%	0.29	2.68	2.22	71.5%	0.144	0.483	0	1.12	0
		1442	0.5	5.42	19.7%	0.29	2.80	2.21	71.9%	0.141	0.548	0	1.12	0
		1442.5	0.5	5.65	19.2%	0.29	2.92	2.20	71.9%	0.138	0.622	0	1.12	0
		1443	0.5	5.94	18.6%	0.29	3.10	2.19	72.3%	0.134	0.652	0	1.12	0
		1443.5	0.5	6.28	17.5%	0.27	3.44	2.15	74.1%	0.130	0.618	0	1.12	0
		1444	0.5	6.63	16.6%	0.26	3.79	2.11	75.6%	0.126	0.602	0	1.12	0
		1444.5	0.5	7.00	16.0%	0.26	4.04	2.10	75.9%	0.122	0.631	0	1.12	0
		1445	0.5	7.41	15.6%	0.26	4.25	2.10	75.7%	0.118	0.687	0	1.12	0
		1445.5	0.5	7.83	15.5%	0.27	4.28	2.12	73.9%	0.115	0.790	0	1.12	0
		1446	0.5	8.20	15.8%	0.30	4.15	2.17	71.1%	0.112	0.868	0	1.12	0
		1446.5	0.5	8.51	16.2%	0.32	3.96	2.22	68.2%	0.111	0.927	0	1.12	0
		1447	0.5	8.79	16.6%	0.35	3.80	2.27	65.7%	0.109	1.021	0	1.12	0
		1447.5	0.5	9.02	16.8%	0.36	3.72	2.30	64.2%	0.108	1.111	0	1.12	0
		1448	0.5	9.21	16.8%	0.37	3.71	2.31	63.5%	0.107	1.137	0	1.12	0
		1448.5	0.5	9.37	16.9%	0.38	3.69	2.32	62.7%	0.106	1.097	0	1.12	0
		1449	0.5	9.49	17.0%	0.39	3.63	2.34	61.9%	0.105	1.019	0	1.12	0
		1449.5	0.5	9.55	17.0%	0.39	3.63	2.35	61.7%	0.105	0.982	0	1.12	0
		1450	0.5	9.67	17.1%	0.40	3.62	2.36	61.2%	0.104	0.994	0	1.12	0

Hodges 5
Burgess Sandstone Saltwater and Oil in Place Calculations
 NW NW NW/4, Sec. 12-T21S-R13E, Coffey County, KS
 October 3, 2011

Model = Archie													Barrels Oil		
PARAMETERS		Zone	Depth	Thick	Porosity		RWA	RO	MA	SW	BVW	VSH	FT	BOI	In-Place
					RT	PHI							PAY		Per Acre
X		1	1724	0.5	0.71	16.1%	0.03	5.36	0.70	274.1%	0.441	1.117	0	1.14	0
Y		2	1724.5	0.5	0.96	15.9%	0.04	5.48	0.85	238.8%	0.380	1.129	0	1.14	0
A	1	3	1725	0.5	1.17	16.1%	0.04	5.36	0.97	213.6%	0.344	1.116	0	1.14	0
M	1.8	4	1725.5	0.5	1.50	16.2%	0.06	5.31	1.11	188.0%	0.304	1.083	0	1.14	0
N	2	5	1726	0.5	2.02	15.9%	0.07	5.50	1.25	165.2%	0.262	0.967	0	1.14	0
RW	0.2	6	1726.5	0.5	2.70	15.3%	0.09	5.86	1.39	147.2%	0.225	0.798	0	1.14	0
CTHK	46.5	7	1727	0.5	3.55	15.1%	0.12	6.00	1.52	129.9%	0.196	0.630	0	1.14	0
AVPHI	0.20	8	1727.5	0.5	4.48	16.1%	0.17	5.34	1.70	109.1%	0.176	0.524	0	1.14	0
FTOIL	0.48	9	1728	0.5	5.38	18.2%	0.25	4.30	1.93	89.4%	0.163	0.495	0	1.14	0
PAYFEET	8.5	10	1728.5	0.5	6.08	20.1%	0.34	3.59	2.13	76.9%	0.155	0.418	0	1.14	0
Estimated Oil-In-Place		11	1729	0.5	6.41	21.1%	0.39	3.30	2.23	71.7%	0.151	0.295	0.03	1.14	203
660' Spacing		12	1729.5	0.5	6.40	21.5%	0.40	3.17	2.26	70.4%	0.152	0.234	0.03	1.14	217
10%OIP		13	1730	0.5	6.13	21.7%	0.39	3.13	2.24	71.5%	0.155	0.247	0.03	1.14	211
DMIN		14	1730.5	0.5	5.76	21.7%	0.37	3.12	2.20	73.6%	0.160	0.245	0.03	1.14	196
DMAX		15	1731	0.5	5.39	22.2%	0.36	3.01	2.19	74.7%	0.166	0.200	0.03	1.14	191
GL	1138	16	1731.5	0.5	5.06	22.6%	0.35	2.90	2.18	75.7%	0.171	0.164	0	1.14	0
LTD		17	1732	0.5	4.73	22.4%	0.32	2.95	2.12	79.0%	0.177	0.167	0	1.14	0
BHT		18	1732.5	0.5	4.42	21.9%	0.29	3.09	2.04	83.6%	0.183	0.191	0	1.14	0
ST		19	1733	0.5	4.19	21.8%	0.27	3.10	2.00	86.0%	0.188	0.255	0	1.14	0
RMF		20	1733.5	0.5	4.09	22.1%	0.27	3.02	2.00	85.9%	0.190	0.315	0	1.14	0
RMFT		21	1734	0.5	4.13	22.2%	0.27	3.01	2.01	85.4%	0.189	0.291	0	1.14	0
		22	1734.5	0.5	4.31	21.9%	0.28	3.08	2.02	84.5%	0.185	0.239	0	1.14	0
CUT-OFFS		23	1735	0.5	4.60	21.5%	0.29	3.19	2.04	83.3%	0.179	0.238	0	1.14	0
PHICUT	0.16	24	1735.5	0.5	4.94	20.4%	0.28	3.49	2.02	84.1%	0.172	0.323	0	1.14	0
SWCUT	0.75	25	1736	0.5	5.29	18.5%	0.25	4.16	1.94	88.7%	0.164	0.471	0	1.14	0
VSHCUT	0.8	26	1736.5	0.5	5.63	16.6%	0.22	5.08	1.86	95.0%	0.157	0.574	0	1.14	0
BVWCUT	0.22	27	1737	0.5	5.94	15.6%	0.21	5.69	1.82	97.9%	0.152	0.622	0	1.14	0
		28	1737.5	0.5	6.20	15.5%	0.22	5.75	1.84	96.3%	0.149	0.760	0	1.14	0
Colors:		29	1738	0.5	6.34	15.9%	0.23	5.50	1.88	93.1%	0.148	0.912	0	1.14	0
		30	1738.5	0.5	6.30	17.0%	0.26	4.87	1.94	88.0%	0.149	0.884	0	1.14	0
		31	1739	0.5	6.10	18.6%	0.30	4.11	2.03	82.1%	0.153	0.692	0	1.14	0
		32	1739.5	0.5	5.86	20.3%	0.33	3.54	2.12	77.7%	0.157	0.436	0	1.14	0
		33	1740	0.5	5.70	21.5%	0.36	3.18	2.18	74.7%	0.161	0.249	0.03	1.14	185
		34	1740.5	0.5	5.63	22.2%	0.38	3.00	2.22	73.0%	0.162	0.183	0.03	1.14	205
		35	1741	0.5	5.62	22.1%	0.37	3.03	2.21	73.4%	0.162	0.188	0.03	1.14	200
		36	1741.5	0.5	5.71	21.0%	0.34	3.32	2.15	76.3%	0.160	0.190	0	1.14	0
		37	1742	0.5	5.93	19.5%	0.31	3.78	2.08	79.8%	0.156	0.170	0	1.14	0
		38	1742.5	0.5	6.28	18.2%	0.29	4.30	2.02	82.7%	0.151	0.148	0	1.14	0
		39	1743	0.5	6.77	17.5%	0.29	4.60	2.02	82.5%	0.144	0.154	0	1.14	0
		40	1743.5	0.5	7.31	18.0%	0.33	4.38	2.10	77.4%	0.139	0.177	0	1.14	0
		41	1744	0.5	7.76	18.8%	0.38	4.07	2.19	72.4%	0.136	0.173	0.03	1.14	176
		42	1744.5	0.5	7.98	18.9%	0.40	3.99	2.22	70.8%	0.134	0.156	0.03	1.14	189
		43	1745	0.5	7.89	19.2%	0.40	3.92	2.22	70.4%	0.135	0.183	0.03	1.14	193
		44	1745.5	0.5	7.60	19.6%	0.40	3.75	2.23	70.3%	0.138	0.210	0.03	1.14	199
		45	1746	0.5	7.32	19.7%	0.39	3.72	2.22	71.3%	0.141	0.193	0.03	1.14	193
		46	1746.5	0.5	7.11	19.5%	0.38	3.79	2.18	73.0%	0.142	0.173	0.03	1.14	179
		47	1747	0.5	6.96	19.5%	0.37	3.79	2.17	73.8%	0.144	0.147	0.03	1.14	174
		48	1747.5	0.5	6.87	19.8%	0.37	3.69	2.18	73.3%	0.145	0.127	0.03	1.14	181
		49	1748	0.5	6.74	19.6%	0.36	3.75	2.16	74.6%	0.146	0.171	0.02	1.14	170
		50	1748.5	0.5	6.47	18.5%	0.31	4.18	2.06	80.3%	0.148	0.246	0	1.14	0
		51	1749	0.5	6.08	17.0%	0.25	4.83	1.93	89.2%	0.152	0.253	0	1.14	0
		52	1749.5	0.5	5.65	17.0%	0.23	4.85	1.89	92.7%	0.158	0.216	0	1.14	0
		53	1750	0.5	5.31	18.8%	0.26	4.05	1.96	87.3%	0.164	0.181	0	1.14	0
		54	1750.5	0.5	5.08	20.6%	0.30	3.44	2.05	82.3%	0.169	0.153	0	1.14	0
		55	1751	0.5	4.92	20.9%	0.29	3.35	2.05	82.5%	0.172	0.140	0	1.14	0
		56	1751.5	0.5	4.81	20.5%	0.28	3.48	2.00	85.0%	0.174	0.149	0	1.14	0
		57	1752	0.5	4.73	20.8%	0.28	3.38	2.01	84.6%	0.176	0.160	0	1.14	0
		58	1752.5	0.5	4.59	21.1%	0.28	3.28	2.02	84.6%	0.179	0.145	0	1.14	0
		59	1753	0.5	4.40	20.1%	0.24	3.60	1.92	90.5%	0.182	0.133	0	1.14	0
		60	1753.5	0.5	4.22	18.9%	0.21	4.01	1.83	97.5%	0.184	0.143	0	1.14	0
		61	1754	0.5	4.10	19.5%	0.22	3.78	1.85	96.0%	0.188	0.155	0	1.14	0
		62	1754.5	0.5	4.02	21.1%	0.24	3.30	1.93	90.7%	0.191	0.167	0	1.14	0
		63	1755	0.5	3.89	21.8%	0.25	3.11	1.95	89.4%	0.195	0.153	0	1.14	0
		64	1755.5	0.5	3.67	22.0%	0.24	3.06	1.92	91.3%	0.201	0.117	0	1.14	0
		65	1756	0.5	3.42	22.5%	0.23	2.93	1.90	92.5%	0.208	0.103	0	1.14	0
		66	1756.5	0.5	3.21	23.0%	0.23	2.81	1.89	93.5%	0.215	0.126	0	1.14	0
		67	1757	0.5	3.04	23.0%	0.21	2.83	1.85	96.5%	0.221	0.150	0	1.14	0
		68	1757.5	0.5	2.88	22.9%	0.20	2.83	1.81	99.1%	0.227	0.149	0	1.14	0
		69	1758	0.5	2.74	23.5%	0.20	2.71	1.81	99.4%	0.234	0.145	0	1.14	0
		70	1758.5	0.5	2.61	24.1%	0.20	2.58	1.81	99.5%	0.240	0.147	0	1.14	0
		71	1759	0.5	2.50	24.5%	0.20	2.51	1.80	100.2%	0.246	0.148	0	1.14	0
		72	1759.5	0.5	2.41	25.3%	0.20	2.38	1.81	99.3%	0.251	0.156	0	1.14	0
		73	1760	0.5	2.34	26.3%	0.21	2.22	1.84	97.4%	0.256	0.154	0	1.14	0
		74	1760.5	0.5	2.27	26.7%	0.21	2.16	1.84	97.3%	0.260	0.148	0	1.14	0
		75	1761	0.5	2.23	26.2%	0.20	2.23	1.80	99.9%	0.262	0.144	0	1.14	0
		76	1761.5	0.5	2.22	25.5%	0.19	2.34	1.76	102.7%	0.262	0.136	0	1.14	0
		77	1762	0.5	2.24	25.0%	0.19	2.42	1.74	103.9%	0.260	0.136	0	1.14	0
		78	1762.5	0.5	2.32	24.8%	0.19	2.46	1.76	102.8%	0.255	0.145	0	1.14	0
		79	1763	0.5	2.48	24.9%	0.20	2.44	1.81	99.2%	0.247	0.159	0	1.14	0
		80	1763.5	0.5	2.73	24.8%	0.22	2.46	1.88	94.9%	0.235	0.174	0	1.14	0
		81	1764	0.5	3.06	23.8%	0.23	2.66	1.90	93.2%	0.222	0.179	0	1.14	0
		82	1764.5	0.5	3.47	21.9%	0.23	3.08	1.88	94.2%	0.206	0.193	0	1.14	0
		83	1765	0.5	4.00	19.9%	0.22	3.66	1.85	95.7%	0.190	0.261	0	1.14	0
		84	1765.5	0.5	4.65	18.3%	0.22	4.27	1.85	95.8%	0.175	0.432	0	1.14	0
		85	1766	0.5	5.53	16.8%	0.22	4.94	1.86	94.4%	0.159	0.661	0	1.14	0
		86	1766.5	0.5	6.74	15.3%	0.23	5.88	1.87	93.5%	0.143	0.892	0	1.14	0
		87	1767	0.5	8.14	13.7%	0.23	7.14	1.87	93.6%	0.129	1.011	0	1.14	0
		88	1767.5	0.5	9.50	12.7%	0.23	8.18	1.87	92.8%	0.118	1.226	0	1.14	0
		89	1768	0.5	10.64										





Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



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Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

January 30, 2012

Dennis Hodges
Hodges, Dennis D. and/or Peggy D.
1827 Rd Z
Reading, KS 66868

Re: ACO-1
API 15-031-23047-00-00
Hodges 5
NW/4 Sec.12-21S-13E
Coffey County, Kansas

Dear Dennis Hodges:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 9/26/2011 and the ACO-1 was received on January 29, 2012 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department