

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33640
Name: Haas Petroleum, LLC
Address 1: 800 W 47TH ST STE # 716
Address 2: _____
City: Kansas City State: MO Zip: 64112 + _____
Contact Person: Phil Frick
Phone: (913) 221-5987
CONTRACTOR: License # 33557
Name: Sky Drilling, LLC
Wellsite Geologist: David Griffin
Purchaser: NA

Designate Type of Completion:
 New Well _____ Re-Entry _____ Workover _____
_____ Oil SWD _____ SIOW _____
_____ Gas _____ ENHR _____ SIGW _____
_____ CM (Coal Bed Methane) _____ Temp. Abd. _____
_____ 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. _____ Conv. to SWD _____
_____ Plug Back: _____ Plug Back Total Depth _____
_____ Commingled _____ Docket No.: _____
_____ Dual Completion _____ Docket No.: _____
_____ Other (SWD or Enhr.?) _____ Docket No.: _____
2/24/10 2/26/10 2/27/10
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 031-22526-00-00
Spot Description: _____
NW NW NE NW Sec. 2 Twp. 22 S. R. 13 East West
5115 Feet from North / South Line of Section
3780 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Coffey
Lease Name: Wilson Well #: D-1
Field Name: South Hatch
Producing Formation: NA - Disposal into Lansing-Kansas City
Elevation: Ground: 1153 Kelly Bushing: NA
Total Depth: 1864' Plug Back Total Depth: 1412'
Amount of Surface Pipe Set and Cemented at: 40 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 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: [Signature]
Title: Agent Date: 6/23/10
Subscribed and sworn to before me this 23rd day of JUNE,
20 10.

Notary Public: Stacy J. Thyer
Date Commission Expires: 3-31-2011
NOTARY PUBLIC
STATE OF KANSAS
STACY J. THYER
My Appt. Exp. 3-31-2011

KCC Office Use ONLY

Letter of Confidentiality Received
If Denied, Yes Date: _____

Wireline Log Received

Geologist Report Received **RECEIVED**

UIC Distribution
Alt 2-Dlg - 7/1/10 **JUN 25 2010**

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Operator Name: Haas Petroleum, LLC Lease Name: Wilson Well #: D-1
 Sec: 2 Twp. 22 S. R. 13 East West County: Coffey

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/CCL, Dual Induction, Compensated Density	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Lansing - Kansas City 730' +423
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CASING RECORD <input type="checkbox"/> New <input checked="" 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"	NA	40'	Class A	35	See Service Co. Ticket
Production	6 3/4"	4 1/2"	NA	1412'	60/40 POZ	180	See Service Co. Ticket

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	927.0 to 967.0, 84 perfs; 3 3/8" DP 23 Gm Tungsten		
2 spf	1028.0 to 1038.0, 21 perfs; 3 3/8" DP 23 Gram Tungsten		
2 spf	1056.5 to 1066.5, 21 perfs; 3 3/8" DP 23 Gram Tungsten		

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. Pending Permit		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. NA	Gas Mcf NA	Water Bbls.	Gas-Oil Ratio Gravity

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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <div style="font-size: 2em; font-weight: bold; border: 1px solid black; padding: 5px; display: inline-block;">RECEIVED</div> <div style="font-size: 1.5em; font-weight: bold; border: 1px solid black; padding: 5px; display: inline-block;">JUN 25 2010</div>
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CONSOLIDATED
Oil Well Services, LLC



ENTERED

TICKET NUMBER 24010
LOCATION Eureka
FOREMAN Tray Strickler

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
2-21-10	3457	Wilson D1				Coffey
CUSTOMER Haas Petroleum LLC						
MAILING ADDRESS 800 west 47 th Ste 409						
CITY Kansas City	STATE Mo	ZIP CODE 64112	TRUCK #	DRIVER	TRUCK #	DRIVER
			520	Cliff		
			543	Dave		
			437	Shannon		

JOB TYPE Logging HOLE SIZE 6 3/4 HOLE DEPTH 1864' CASING SIZE & WEIGHT 4 1/2" 10.5#
CASING DEPTH 1402' P80 DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT 13.6# SLURRY VOL _____ WATER gal/sk 70 CEMENT LEFT in CASING 0'
DISPLACEMENT 22.5Bbl DISPLACEMENT PSI 500 MIX PSI 1000 BpPhy RATE _____

REMARKS: Safety Meeting: Rig up to 4 1/2" casing with packer shoe set @ 1412' K.B. Drop ball wait 10mins. Set shoe @ 1000PSI. Pump 10Bbl Fresh water, mixed 180sk 60/40 Poz-mix cement @ 13.6# Perf. w/ 5# Kol-Seal/sk, 4% Gel, 1% Cake, + 1/2# Phenoseal. shut down, work out pump + liner Release Plug. Displace with 22.5Bbl water. @ 16Bbl lost circulation for 5Bbl. Got Good Circulation back w/ 1.5Bbl to go in Displacement. ~~The~~ Bural Pumpy Pressure 500PSI Bump Plug to 1000PSI. wait 2mins. Release Pressure - Floot Held. No Cement to surface. Did get most of the 10Bbl of water back. Just no cement.

Job Complete.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	870.00	870.00
5406	30	MILEAGE	3.45	103.50
1131	180sk	60/40 Poz-mix Cement	10.70	1926.00
1110A	900#	5# Kol-Seal/sk	.39	351.00
1118A	620#	4% Gel	.16	99.20
1102	155#	1% Cake	.71	110.05
1107A	90#	1/2# Phenoseal/sk	1.08	97.20
5502C	4hs	80Bbl water Truck	94.00	376.00
5407		Ton-mileage BULK Truck	m/c	296.00
4404	1	4 1/2" Top Rubber Plug	43.00	43.00
4251	1	4 1/2" Type A Packer shoe	1257.00	1257.00
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Thank You!				
			Sub Total	5508.95
			SALES TAX	209.16
			ESTIMATED TOTAL	5718.11

Revin 3737

233143

AUTHORIZATION Witnessed by Ben Harrell TITLE Taxpayer DATE _____



CONSOLIDATED
Oil Well Services, LLC

REMIT TO
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
FAX 620/431-0012

INVOICE

Invoice # 233143

Invoice Date: 02/28/2010 Terms:

Page 1

HAAS, MARK
800 W. 47TH ST. SUITE 409
KANSAS CITY MO 64112
(816) 531-5922

WILSON D1
24010
02-27-10

Part Number	Description	Qty	Unit Price	Total
1131	60/40 POZ MIX	180.00	10.7000	1926.00
1110A	KOL SEAL (50# BAG)	900.00	.3900	351.00
1118A	S-5 GEL/ BENTONITE (50#)	620.00	.1600	99.20
1102	CALCIUM CHLORIDE (50#)	155.00	.7100	110.05
1107A	PHENOSEAL (M) 40# BAG)	90.00	1.0800	97.20
4404	4 1/2" RUBBER PLUG	1.00	43.0000	43.00
4251	TYPE A PACKER SHOE61/8X6	1.00	1237.0000	1237.00

Description	Hours	Unit Price	Total
437 80 BBL VACUUM TRUCK (CEMENT)	4.00	94.00	376.00
520 CEMENT PUMP	1.00	870.00	870.00
520 EQUIPMENT MILEAGE (ONE WAY)	30.00	3.45	103.50
543 MIN. BULK DELIVERY	1.00	296.00	296.00

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Parts:	3863.45	Freight:	.00	Tax:	204.76	AR	5713.71
Labor:	.00	Misc:	.00	Total:	5713.71		
Sublt:	.00	Supplies:	.00	Change:	.00		

Signed _____

Date _____

BARTLESVILLE, OK
918/338-0808

ELDORADO, KS
316/322-7022

EUREKA, KS
620/583-7664

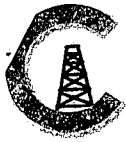
GILLETTE, WY
307/686-4914

MCALISTER, OK
918/426-7667

OTTAWA, KS
785/242-4044

THAYER, KS
620/839-5269

WORLAND, WY
307/347-4577



CONSOLIDATED
Oil Well Services, LLC

REMIT TO
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
FAX 620/431-0012

INVOICE Invoice # 233121

Invoice Date: 02/26/2010 Terms: Page 1

HAAS, MARK
800 W. 47TH ST. SUITE 409
KANSAS CITY MO 64112
(816) 531-5922

WILSON D-1
23566
02-24-10

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	35.00	12.7000	444.50
1102	CALCIUM CHLORIDE (50#)	65.00	.7100	46.15
1118A	S-5 GEL/ BENTONITE (50#)	65.00	.1600	10.40
		Hours	Unit Price	Total
520	CEMENT PUMP (SURFACE)	1.00	680.00	680.00
520	EQUIPMENT MILEAGE (ONE WAY)	30.00	3.45	103.50
543	MIN. BULK DELIVERY	1.00	296.00	296.00

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Parts:	501.05	Freight:	.00	Tax:	26.56	AR	1607.11
Labor:	.00	Misc:	.00	Total:	1607.11		
Sublt:	.00	Supplies:	.00	Change:	.00		

Signed _____ Date _____

BARTLESVILLE, OK 405/228-0888 ELDORADO, KS 316/322-7122 EUREKA, KS 620/583-7664 GILLETTE, WY 307/686-4914 McALESTER, OK 918/426-7667 OTTAWA, KS 785/242-4044 THAYER, KS 620/839-5269 WORLAND, WY 307/347-4577



CONSOLIDATED
Oil Well Services, LLC

ENTERED

TICKET NUMBER 23566

LOCATION 10

FOREMAN Clifford Strickler

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	
2-24-10	3451	Wilson D-1				Coffey	
CUSTOMER Haas Petroleum LLC			SKYY Drg.	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS 800 West 47th Ste. 409				520	Troy		
CITY Kansas City				543	Dave		
STATE Mo.							
ZIP CODE 64117							

JOB TYPE Surface HOLE SIZE 12 1/4" HOLE DEPTH _____ CASING SIZE & WEIGHT 8 5/8"
 CASING DEPTH 40' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 15# SLURRY VOL _____ WATER gal/sk 6.5 CEMENT LEFT in CASING 15'
 DISPLACEMENT 2.5 Bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting. Rig up to 8 5/8" casing Break circulation w/ 10 Bbl fresh water. Mixed 35 Skts Class "A" cement w/ 2% Caclz, 2% Gel @ 15# per gal. Displace w/ 2.5 Bbl Fresh water. shut casing in w/ 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	680.00	680.00
5406	30	MILEAGE	3.45	103.50
1104S	35 Skts	class "A" cement	12.70	444.50
1102	65#	2% Caclz	.71	46.15
1118A	65#	2% Gel	.16	10.40
5407		ton-mileage Bulk Truck	m/c	296.00
			RECEIVED	
			JUN 25 2010	
			KCC WICHITA	
			subtotal	1580.55
			SALES TAX	26.96
			ESTIMATED TOTAL	1607.11

Ravin 3737

233121

AUTHORIZATION _____ TITLE _____ DATE _____

Griffin Geological Resources, Inc.

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

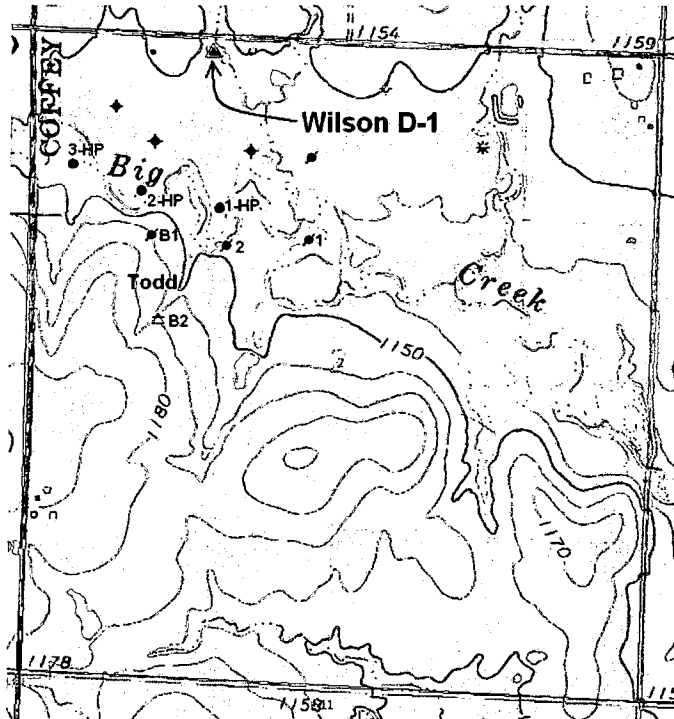
Ph. (785) 842-3665
Cell (785) 766-0099
Fax (785) 856-3935

March 4, 2010

Geological Wellsite Report

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

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



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

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

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Commenced Drlg: Spud February 24, 2010, 12¼" Bit, Set 22' 8⅝" Casing

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

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

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

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

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

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

Geological Datums:

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

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Wilson D-1
Wellsite Geology Report
By David Griffin, RG
March 4, 2010

Structural Comparisons:

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

Potential Saltwater Disposal Zones

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

Description of Middle Squirrel Sandstone

Samples Description

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

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

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

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

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

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

Saltwater Calculations and Comments:

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

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Wilson D-1

Wellsite Geology Report

By David Griffin, RG

March 4, 2010

Sample Description of Lower Squirrel Sandstone

Samples Description

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

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

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

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

Saltwater Calculations and Comments:

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

Summary:

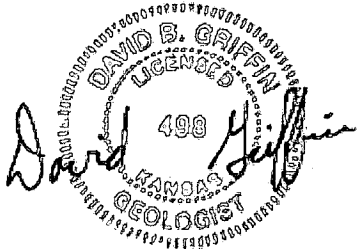
The Upper Squirrel and Burgess sandstones in Wilson D-1 were absent for the most part. The Middle Squirrel sandstone was thinner and less porous than in Wilson 2-HP and 3-HP but continued to have a fair to good showing of brown oil from 1447' to 1457' and heavy oil from 1457' to 1462'. The Lower Squirrel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

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Recommendations:

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

Respectfully Submitted,



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

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

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

Model = Archie PARAMETERS	Zone	Depth	Thick	Porosity		RWA	RO	MA	SW	BWV	VSH	FT		Pay Oil In-Place	
				RT	PHI							PAY	BOI		
X	1	1435	0.5	5.74	15.5%	0.20	4.30	1.96	83.6%	0.134	3.138	0	1.12	0	
Y	2	1435.5	0.5	5.49	16.8%	0.22	3.71	2.02	82.9%	0.138	2.577	0	1.12	0	
A	1	3	1436	0.5	5.27	17.7%	0.23	3.38	2.06	80.1%	0.142	1.706	0	1.12	0
M	1.8	4	1436.5	0.5	5.12	17.9%	0.23	3.33	2.05	80.6%	0.144	1.112	0	1.12	0
N	2	5	1437	0.5	5.05	17.7%	0.22	3.40	2.03	82.0%	0.146	0.863	0	1.12	0
RW	0.15	6	1437.5	0.5	5.07	18.0%	0.23	3.29	2.05	83.6%	0.148	0.775	0	1.12	0
CTHK	41	7	1438	0.5	5.17	18.7%	0.25	3.08	2.11	77.9%	0.144	0.744	0	1.12	0
AVPHI	0.16	8	1438.5	0.5	5.33	19.1%	0.27	2.96	2.15	74.6%	0.142	0.749	0	1.12	0
FTOIL	0.00	9	1439	0.5	5.53	18.8%	0.27	3.03	2.16	74.1%	0.139	0.782	0	1.12	0
PAYFEET	0	10	1439.5	0.5	5.78	18.0%	0.26	3.28	2.13	76.4%	0.136	0.806	0	1.12	0
Estimated Oil-In-Place	11	1440	0.5	6.08	16.9%	0.25	3.69	2.08	77.8%	0.132	0.788	0	1.12	0	
440 Spacing	0	12	1440.5	0.5	6.41	15.6%	0.23	4.24	2.02	81.4%	0.127	0.761	0	1.12	0
10%OIP	0	13	1441	0.5	6.76	14.9%	0.20	5.19	1.93	87.6%	0.122	0.761	0	1.12	0
DMIN	1435	14	1441.5	0.5	7.13	14.2%	0.16	6.62	1.84	93.4%	0.118	0.753	0	1.12	0
DMAX	1476	15	1442	0.5	7.5	13.6%	0.14	7.98	1.77	103.1%	0.113	0.728	0	1.12	0
KB	1153	16	1442.5	0.5	7.87	12.9%	0.15	8.04	1.79	101.1%	0.111	0.718	0	1.12	0
TD	1864	17	1443	0.5	8.18	12.2%	0.18	7.01	1.87	92.6%	0.109	0.740	0	1.12	0
BHT	18	1443.5	0.5	8.38	11.5%	0.21	6.12	1.95	95.4%	0.109	0.792	0	1.12	0	
ST	19	1444	0.5	8.43	10.8%	0.22	5.72	1.99	92.6%	0.109	0.780	0	1.12	0	
RMF	3.3	20	1444.5	0.5	8.35	10.1%	0.21	5.98	1.96	84.6%	0.109	0.683	0	1.12	0
RMFT	60C	21	1445	0.5	8.21	9.4%	0.18	6.86	1.88	91.4%	0.109	0.664	0	1.12	0
		22	1445.5	0.5	8.07	8.7%	0.16	7.52	1.83	86.5%	0.110	0.756	0	1.12	0
CUT-OFFS		23	1446	0.5	7.93	8.0%	0.17	7.11	1.85	84.7%	0.111	0.842	0	1.12	0
PHICUT	0.16	24	1446.5	0.5	7.8	7.3%	0.18	6.50	1.89	91.3%	0.112	0.923	0	1.12	0
SWCUT	0.03	25	1447	0.5	7.67	6.6%	0.18	6.24	1.90	88.2%	0.114	1.013	0	1.12	0
VSHCUT	0.736	26	1447.5	0.5	7.54	5.9%	0.19	5.81	1.93	87.5%	0.115	0.973	0	1.12	0
BWVCUT	0.24	27	1448	0.5	7.45	5.2%	0.22	5.04	2.00	82.2%	0.117	0.836	0	1.12	0
		28	1448.5	0.5	7.41	4.5%	0.25	4.46	2.07	77.6%	0.118	0.736	0	1.12	0
		29	1449	0.5	7.4	3.8%	0.26	4.25	2.10	75.8%	0.118	0.700	0	1.12	0
		30	1449.5	0.5	7.42	3.1%	0.27	4.12	2.12	74.6%	0.118	0.681	0	1.12	0
		31	1450	0.5	7.44	2.4%	0.28	4.01	2.14	73.4%	0.118	0.640	0	1.12	0
		32	1450.5	0.5	7.46	1.7%	0.28	3.97	2.15	72.2%	0.118	0.619	0	1.12	0
		33	1451	0.5	7.46	1.0%	0.29	3.85	2.17	71.0%	0.118	0.637	0	1.12	0
		34	1451.5	0.5	7.45	0.3%	0.29	3.81	2.17	71.6%	0.119	0.674	0	1.12	0
		35	1452	0.5	7.44	-0.4%	0.28	4.04	2.13	73.7%	0.118	0.701	0	1.12	0
		36	1452.5	0.5	7.41	-1.1%	0.25	4.46	2.07	77.6%	0.118	0.723	0	1.12	0
		37	1453	0.5	7.39	-1.8%	0.24	4.70	2.04	79.7%	0.118	0.750	0	1.12	0
		38	1453.5	0.5	7.36	-2.5%	0.25	4.47	2.06	78.9%	0.118	0.731	0	1.12	0
		39	1454	0.5	7.33	-3.2%	0.26	4.15	2.11	75.3%	0.119	0.723	0	1.12	0
		40	1454.5	0.5	7.3	-3.9%	0.27	4.00	2.13	74.0%	0.119	0.738	0	1.12	0
		41	1455	0.5	7.27	-4.6%	0.28	3.95	2.14	73.7%	0.120	0.721	0	1.12	0
		42	1455.5	0.5	7.26	-5.3%	0.29	3.76	2.17	72.6%	0.120	0.685	0	1.12	0
		43	1456	0.5	7.27	-6.0%	0.31	3.46	2.23	69.0%	0.121	0.660	0	1.12	0
		44	1456.5	0.5	7.29	-6.7%	0.34	3.26	2.27	66.8%	0.121	0.681	0	1.12	0
		45	1457	0.5	7.26	-7.4%	0.34	3.19	2.28	64.5%	0.121	0.736	0	1.12	0
		46	1457.5	0.5	7.17	-8.1%	0.34	3.14	2.29	63.2%	0.122	0.749	0	1.12	0
		47	1458	0.5	7.04	-8.8%	0.34	3.07	2.29	60.9%	0.123	0.696	0	1.12	0
		48	1458.5	0.5	6.89	-9.5%	0.34	3.05	2.29	63.5%	0.125	0.674	0	1.12	0
		49	1459	0.5	6.76	-10.2%	0.32	3.13	2.26	68.1%	0.126	0.714	0	1.12	0
		50	1459.5	0.5	6.64	-10.9%	0.31	3.24	2.22	69.8%	0.127	0.744	0	1.12	0
		51	1460	0.5	6.53	-11.6%	0.30	3.28	2.20	73.6%	0.128	0.789	0	1.12	0
		52	1460.5	0.5	6.43	-12.3%	0.30	3.21	2.21	76.7%	0.129	0.848	0	1.12	0
		53	1461	0.5	6.35	-13.0%	0.30	3.15	2.22	78.4%	0.130	0.894	0	1.12	0
		54	1461.5	0.5	6.31	-13.7%	0.30	3.15	2.21	79.6%	0.130	0.918	0	1.12	0
		55	1462	0.5	6.33	-14.4%	0.30	3.19	2.20	74.0%	0.130	0.838	0	1.12	0
		56	1462.5	0.5	6.4	-15.1%	0.29	3.30	2.18	71.9%	0.129	0.697	0	1.12	0
		57	1463	0.5	6.48	-15.8%	0.27	3.54	2.14	74.9%	0.128	0.635	0	1.12	0
		58	1463.5	0.5	6.57	-16.5%	0.26	3.83	2.10	76.4%	0.126	0.676	0	1.12	0
		59	1464	0.5	6.66	-17.2%	0.25	4.05	2.07	78.0%	0.125	0.752	0	1.12	0
		60	1464.5	0.5	6.74	-17.9%	0.24	4.19	2.06	76.8%	0.124	0.849	0	1.12	0
		61	1465	0.5	6.83	-18.6%	0.24	4.29	2.05	79.2%	0.123	0.907	0	1.12	0
		62	1465.5	0.5	6.92	-19.3%	0.24	4.24	2.06	78.9%	0.122	0.907	0	1.12	0
		63	1466	0.5	6.99	-20.0%	0.27	3.95	2.11	76.2%	0.122	0.901	0	1.12	0
		64	1466.5	0.5	7.03	-20.7%	0.29	3.63	2.17	71.9%	0.122	0.888	0	1.12	0
		65	1467	0.5	7.06	-21.4%	0.30	3.58	2.19	71.2%	0.122	0.862	0	1.12	0
		66	1467.5	0.5	7.08	-22.1%	0.28	3.73	2.16	72.6%	0.122	0.854	0	1.12	0
		67	1468	0.5	7.09	-22.8%	0.28	3.84	2.14	73.6%	0.121	0.849	0	1.12	0
		68	1468.5	0.5	7.11	-23.5%	0.28	3.86	2.14	73.7%	0.121	0.826	0	1.12	0
		69	1469	0.5	7.12	-24.2%	0.28	3.78	2.15	72.9%	0.121	0.813	0	1.12	0
		70	1469.5	0.5	7.13	-24.9%	0.29	3.64	2.18	71.4%	0.121	0.808	0	1.12	0
		71	1470	0.5	7.13	-25.6%	0.30	3.54	2.20	70.4%	0.122	0.767	0	1.12	0
		72	1470.5	0.5	7.11	-26.3%	0.30	3.55	2.19	70.7%	0.122	0.750	0	1.12	0
		73	1471	0.5	7.08	-27.0%	0.29	3.66	2.17	71.6%	0.122	0.818	0	1.12	0
		74	1471.5	0.5	7.04	-27.7%	0.28	3.76	2.15	73.1%	0.122	0.883	0	1.12	0
		75	1472	0.5	6.98	-28.4%	0.27	3.86	2.13	74.6%	0.122	0.900	0	1.12	0
		76	1472.5	0.5	6.9	-29.1%	0.25	4.07	2.09	76.9%	0.123	0.931	0	1.12	0
		77	1473	0.5	6.8	-29.8%	0.23	4.40	2.03	80.4%	0.123	0.954	0	1.12	0
		78	1473.5	0.5	6.68	-30.5%	0.21	4.67	1.99	83.6%	0.124	0.930	0	1.12	0
		79	1474	0.5	6.56	-31.2%	0.21	4.64	1.98	84.1%	0.125	0.909	0	1.12	0
		80	1474.5	0.5	6.43	-31.9%	0.22	4.36	2.01	82.3%	0.127	0.945	0	1.12	0
		81	1475	0.5	6.3	-32.6%	0.23	4.03	2.04	80.0%	0.129	0.994	0	1.12	0
		82	1475.5	0.5	6.16	-33.3%	0.24	3.86	2.06	79.1%	0.130	0.982	0	1.12	0

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

Model = Archie PARAMETERS	Zone	Depth	Thick	Porosity		RT	PHI	RWA	RO	MA	SW	BWV	VSH	FT PAY	BOI	Pay Oil In-Place
				RT	PHI											
X	1	1515	0.5	4.59	16.9%	0.19	3.67	1.92	89.5%	0.151	1.091	0	1.13	0		
Y	2	1515.5	0.5	4.5	16.8%	0.18	3.72	1.91	89.8%	0.153	1.043	0	1.13	0		
A	1 3	1516	0.5	4.39	16.5%	0.17	3.83	1.88	89.3%	0.154	1.043	0	1.13	0		
M	1.8 4	1516.5	0.5	4.25	16.5%	0.17	3.82	1.86	84.6%	0.157	1.131	0	1.13	0		
N	2 5	1517	0.5	4.06	17.1%	0.17	3.59	1.87	84.1%	0.161	1.194	0	1.13	0		
RW	0.15 6	1517.5	0.5	3.82	18.1%	0.18	3.25	1.89	82.3%	0.167	1.095	0	1.13	0		
CTHK	30 7	1518	0.5	3.54	18.9%	0.18	3.00	1.90	82.1%	0.174	0.878	0	1.13	0		
AVPHI	0.22 8	1518.5	0.5	3.25	19.5%	0.17	2.85	1.88	83.7%	0.182	0.655	0	1.13	0		
FTOIL	0.00 9	1519	0.5	2.98	20.2%	0.17	2.68	1.87	84.9%	0.191	0.516	0	1.13	0		
PAYFEET	0 10	1519.5	0.5	2.73	21.0%	0.16	2.49	1.86	85.4%	0.201	0.469	0	1.13	0		
Estimated Oil-In-Place	11	1520	0.5	2.52	21.8%	0.16	2.33	1.85	83.3%	0.210	0.428	0	1.13	0		
440 Spacing	0 12	1520.5	0.5	2.34	22.3%	0.16	2.23	1.83	87.6%	0.218	0.372	0	1.13	0		
10% OIP	0 13	1521	0.5	2.21	22.6%	0.15	2.17	1.81	89.3%	0.225	0.387	0	1.13	0		
DMIN	1515 14	1521.5	0.5	2.11	22.9%	0.15	2.13	1.79	80.5%	0.230	0.441	0	1.13	0		
DMAX	1545 15	1522	0.5	2.06	23.4%	0.15	2.05	1.81	89.6%	0.233	0.457	0	1.13	0		
KB	1153 16	1522.5	0.5	2.05	24.1%	0.16	1.95	1.84	87.5%	0.235	0.413	0	1.13	0		
TD	1864 17	1523	0.5	2.06	24.4%	0.16	1.90	1.86	86.1%	0.234	0.337	0	1.13	0		
BHT	18 18	1523.5	0.5	2.1	24.2%	0.16	1.93	1.86	85.6%	0.232	0.276	0	1.13	0		
ST	19 19	1524	0.5	2.15	23.9%	0.16	1.97	1.86	85.7%	0.229	0.247	0	1.13	0		
RMF	3.3 20	1524.5	0.5	2.22	23.7%	0.17	2.01	1.87	85.0%	0.225	0.250	0	1.13	0		
RMFT	60C 21	1525	0.5	2.3	23.7%	0.17	1.99	1.90	83.1%	0.221	0.293	0	1.13	0		
	22	1525.5	0.5	2.38	24.3%	0.19	1.92	1.95	89.7%	0.218	0.335	0	1.13	0		
CUT-OFFS	23	1526	0.5	2.45	25.0%	0.20	1.82	2.01	86.3%	0.216	0.341	0	1.13	0		
PHICUT	0.18 24	1526.5	0.5	2.5	25.4%	0.21	1.77	2.05	84.2%	0.214	0.340	0	1.13	0		
SWCUT	0.85 25	1527	0.5	2.53	25.5%	0.22	1.76	2.07	83.4%	0.212	0.331	0	1.13	0		
VSHCUT	0.736 26	1527.5	0.5	2.55	25.3%	0.21	1.79	2.06	83.6%	0.211	0.306	0	1.13	0		
BWVCUT	0.14 27	1528	0.5	2.57	25.0%	0.21	1.82	2.05	84.2%	0.210	0.303	0	1.13	0		
	28	1528.5	0.5	2.58	24.5%	0.21	1.89	2.02	85.5%	0.210	0.313	0	1.13	0		
	29	1529	0.5	2.58	23.8%	0.19	1.98	1.98	87.7%	0.209	0.317	0	1.13	0		
	30	1529.5	0.5	2.57	23.4%	0.19	2.05	1.96	89.2%	0.209	0.345	0	1.13	0		
	31	1530	0.5	2.56	23.4%	0.19	2.04	1.95	89.4%	0.210	0.400	0	1.13	0		
	32	1530.5	0.5	2.53	23.4%	0.19	2.05	1.95	88.8%	0.210	0.446	0	1.13	0		
	33	1531	0.5	2.51	23.1%	0.18	2.10	1.92	91.5%	0.211	0.406	0	1.13	0		
	34	1531.5	0.5	2.48	22.9%	0.17	2.13	1.90	92.8%	0.212	0.320	0	1.13	0		
	35	1532	0.5	2.44	23.1%	0.17	2.10	1.90	92.8%	0.214	0.295	0	1.13	0		
	36	1532.5	0.5	2.39	23.4%	0.18	2.05	1.91	92.6%	0.217	0.310	0	1.13	0		
	37	1533	0.5	2.34	23.3%	0.17	2.06	1.89	93.6%	0.219	0.344	0	1.13	0		
	38	1533.5	0.5	2.28	23.1%	0.16	2.10	1.86	95.9%	0.222	0.365	0	1.13	0		
	39	1534	0.5	2.22	23.2%	0.16	2.09	1.84	96.9%	0.225	0.341	0	1.13	0		
	40	1534.5	0.5	2.16	23.5%	0.16	2.03	1.84	96.9%	0.228	0.301	0	1.13	0		
	41	1535	0.5	2.11	23.9%	0.16	1.97	1.85	95.5%	0.231	0.273	0	1.13	0		
	42	1535.5	0.5	2.07	24.4%	0.16	1.90	1.86	95.9%	0.234	0.263	0	1.13	0		
	43	1536	0.5	2.04	24.6%	0.16	1.87	1.86	95.6%	0.236	0.306	0	1.13	0		
	44	1536.5	0.5	2.03	24.6%	0.16	1.87	1.86	95.8%	0.236	0.346	0	1.13	0		
	45	1537	0.5	2.05	24.6%	0.16	1.87	1.87	95.5%	0.235	0.333	0	1.13	0		
	46	1537.5	0.5	2.11	24.9%	0.17	1.84	1.90	93.3%	0.232	0.312	0	1.13	0		
	47	1538	0.5	2.21	26.2%	0.20	1.68	2.00	87.2%	0.228	0.295	0	1.13	0		
	48	1538.5	0.5	2.35	28.8%	0.25	1.41	2.21	77.6%	0.223	0.294	0	1.13	0		
	49	1539	0.5	2.53	31.9%	0.32	1.17	2.47	68.1%	0.217	0.381	0	1.13	0		
	50	1539.5	0.5	2.76	33.6%	0.39	1.07	2.67	62.3%	0.209	0.531	0	1.13	0		
	51	1540	0.5	3.05	31.5%	0.38	1.20	2.61	62.7%	0.198	0.661	0	1.13	0		
	52	1540.5	0.5	3.39	25.7%	0.29	1.73	2.30	71.3%	0.184	0.725	0	1.13	0		
	53	1541	0.5	3.77	19.3%	0.19	2.91	1.96	87.8%	0.169	0.746	0	1.13	0		
	54	1541.5	0.5	4.12	15.1%	0.14	4.50	1.75	104.5%	0.158	0.728	0	1.13	0		
	55	1542	0.5	4.39	13.4%	0.12	5.61	1.68	113.1%	0.151	0.710	0	1.13	0		
	56	1542.5	0.5	4.58	12.8%	0.11	6.06	1.66	115.1%	0.147	0.724	0	1.13	0		
	57	1543	0.5	4.73	12.9%	0.12	6.01	1.68	112.7%	0.145	0.761	0	1.13	0		
	58	1543.5	0.5	4.89	13.4%	0.13	5.56	1.74	106.6%	0.143	0.799	0	1.13	0		
	59	1544	0.5	5.08	14.1%	0.15	5.07	1.80	99.9%	0.141	0.825	0	1.13	0		
	60	1544.5	0.5	5.3	14.6%	0.17	4.80	1.85	95.1%	0.139	0.857	0	1.13	0		

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Penetration Rate

(Lagged) Total Gas

Location: NWNWNE, S115°E, 3280ft

Datum/Elev.

Min./Foot

Units

SEC. 2, T22S-R13E, Coffey Co. KS

KB 1153

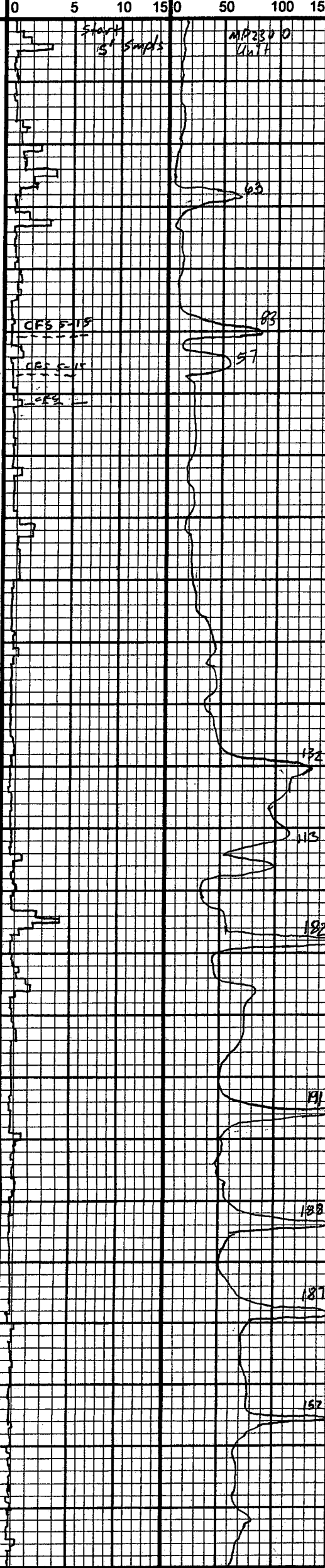
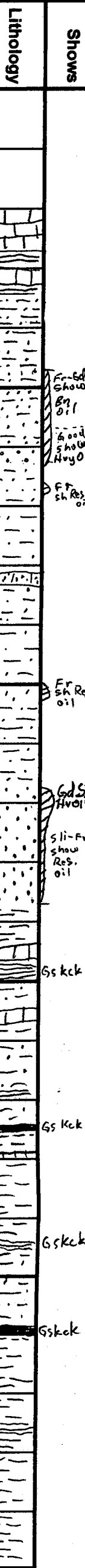
0 5 10 15

0 50 100 150

Sample Descriptions

Tops/Remarks

1400
2-26-10
7:15 PM



Oper. Haas Petroleum LLC
Cont: Skyg Drilling
Bit size: 6 3/4" PDC, 6-blade

LS,
Sh, blk
LS, gy to buidus
sh, blk, gy-bu
slst, ltgy, spotty-lt rnx limey, NS

SS, 20%, lt bn, vf gn, v silty, lam. sliodr,
fr-gd show free oil, fr-φ, fr oil scum
SS, 40%, lt bn, vf gn, slt, gd sh foil in pit
fr-gd φ, not much sample; 60% sltst

SS, 40%, gy-ba, fr-vod φ, gd sh hy oil,
fr-gd bleed, 60% slt

SS, 15%, gy-ba, fr-gd φ, fr show res. oil
no bleeding

Sh, gy, silty, sli sdy, abnd mtc

SS, gy, limey, pr φ, NS

sh, gy, slt, mtc

SS, 30%, gy-bn, vf gn, abd mica. fr φ,
fr sh hvy res. oil

sh, gy, silty, abd mtc

SS, Gy, vf-fgn, gd-vod φ, Good Sh Free
Hwy Oil, fr-gd bleed in bag + rinsing,
5% loose gns, 3% float due to oil, gd
show oil in Bag, No gas bubbles

SS, Gy, AA, Sli-Fr Sh Res. oil, no free oil

SS, vltgy, fr-gd φ, NS

LS, gy to vdkgy (Ardmore)

sh, bk

slst, ltgy
LS, ltgy, dus

slst, vltgy

sh, bk

Coal

LS, tan, dus

sh vltgy + gy

sh, bk

slst, vltgy

sh, gy, silty

Coal

sh, ltgy to dkggy

sh, bk

sh, ltgy - vdkgy, min. tn

sh, var-col, ltgy, gy, gn-gy, red, tn

sh, ltgn, ltgy, red, tan.

Cherokee
1433 (-280)

Mid. Squirrel SS
1447 (-294)
~15' thk

L. Squirrel SS
1517 (-364)
20' thk

V-shale
1547 (-394)

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1650

1600
midnite
2-27-10

1550

1500

1450

Depth	Lithology	Shows	By David Griffin, RG, Lawrence, KS				Well No: Wilson D-1				Pg. 3 of 3			
			Penetration Rate				Total Gas				Location: NWNWNE 1/4, S280' E1		Datum/Elev.	
			Min./Foot				Units				Sec. 2, T22S-R13E, Co. Co., KS		KB 1153	
			0	5	10	15	0	50	100	150	Sample Descriptions		Tops/Remarks	
1650 2-27-10 IAM											Sh, gy, grn, rd, tan, mar			
											sh, AA, few silt lam, sil cem			
											sh, AA, abd. siderite nod.			
											sh, ltgy, gg to grn-gg, ptly silty			
											Sh, AA			
1700											sh, blk			
											LS, silt bn, f-mxln			
											sh, ltgy, ltgn-gg, vdk gy			
											Coal			
											sh, ltgy to vdk gy			
											sh, bk, mingy, mtc			
1750											AA, few gy silt lam			
											AA, coaly			
											sh, gy to vdk gy/bk			
											sh, gy to vdk gy, silty, mtc			
											AA			
1800											AA			
											siltst, ltgy, lam, sil cem, prph, <1% ss, vfgn, off-wh, cln, prph, NS No odor			
											sh, dkgy, 70% silt lam 20%, hd, prph, 5% ss, off-wh, sil cem, prph, NS, No odr.			
											sh, AA, 10% silt lam, few cs qtz, ns, dissem. No odr, NS			
											cht, 20%, vltgy to off-wh, shp, dol, tan to gy-tan, vfxln, prph, NS, No odr.			
											LS, tan, mxln, gnt, f-prph, NS, 10% cht AA few dol intbd, NS			
											LS, tan, foss gnt, mxln, NS			
											cht, 20%, milky wh			
1850											Dol, lt tan, vfxln, NS, prph			
											cht, 30% off-wh, shp			
											LS, gy, f, xln, NS			
740A 2-27-10														

MISS
1827(-674)

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KCC WICHITA