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KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

3/5/14

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

OPERATOR: License # 33640
Name: Haas Petroleum, LLC
Address 1: 11551 Ash Street, # 205
Address 2: _____
City: Leawood State: KS Zip: 66211 + _____
Contact Person: Mark Haas
Phone: (913) 499-8373
CONTRACTOR: License # 33557
Name: Skyy Drilling, LLC
Wellsite Geologist: GGR, Inc.
Purchaser: Plains Marketing, LP

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 #: _____

February 21, 2012	February 24, 2012	March 1, 2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 207-28056-00-00
Spot Description: _____
N2 SE SW SE Sec. 35 Twp. 23 S. R. 14 East West
390 Feet from North / South Line of Section
1,650 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Woodson
Lease Name: Massey Well #: 14 HP
Field Name: Winterscheid
Producing Formation: Mississippian
Elevation: Ground: 1123 Kelly Bushing: _____
Total Depth: 1740 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: 0
feet depth to: 40' w/ 20 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 #: _____

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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.

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.

Signature: _____
Title: Operator Date: March 2, 2012

KCC Office Use ONLY

Letter of Confidentiality Received
Date: 3/5/12 - 3/5/14
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: NJ Date: 3/8/12

Operator Name: Haas Petroleum, LLC Lease Name: Massey Well #: 14 HP
 Sec. 35 Twp. 23 S. R. 14 East West County: Woodson

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 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" 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
Surface	12 1/4	8 5/8		40'	Regular	20	
Longstring	6 3/4	4 1/2	9.5#	1735'	60/40 Poz	225	

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 <i>(Amount and Kind of Material Used)</i>	Depth
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TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed 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: <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) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Skyy Drilling, L.L.C.
Park Place – Becker Building
11551 Ash Street, Suite # 205
Leawood, Kansas 66221
Office (913) 499-8373
Fax (913) 766-1310

March 1, 2012

Company: Haas Petroleum, LLC
11551 Ash Street, # 205
Leawood, Kansas 66211

Lease: Massey – Well # 14 HP
County: Woodson
Spot: SE SW SE Sec 35, Twp 23, SR 14 E
Spud Date: February 21, 2012
API: 15-207-28056-00-00
TD: 1740'

2/20/12: Build location, dig pits. Move in rig #3. Rig up. Pump water. Start drilling on rat hole.
2/21/12: Finish drilling rat hole. Spud 12 ¼ surface hole @ 2:00 PM. Drilled from 0' to 40' TD. TD surface hole @ 12:30 AM (2/22/12). Ream and cir hole 20 minutes. Trip out 12 ¼ bit. Rig and ran 40' of 8 5/8 casing. Cement casing with 20 sacks cement. Finish cementing @ 2:00 AM. Wait on cement.
2/22/12: Break out nipple up @ 10:00 AM. Trip in hole with 6 ¾ PDC. Drilled out approx. 6' cement. Under surface @ 1:00 PM. Drilled from 40' to 810'.
2/23/12: Drilled from 810' to 1640'. Mud up @ 1250'. CFS @ 1640'.
2/24/12: Drilled from 1640' to 1740' TD. CFS @ 1657', 1665', 1740'. AT 1740' TD. Cir hole – mix mud for log. Short trip 12 stands. After short trip cir hole one hour. Trip out of hole. Rig up loggers and log hole. Rig out loggers. Lay down drill pipe and collars out of derrick. Rig and ran 1735' of 4 ½ casing. Rig up cementers and cemented. Plug down @ 3:30 AM.

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CONSOLIDATED
ON Well Services, LLC

ENTERED

TICKET NUMBER 36282

LOCATION Eureka, KS

FOREMAN Shannon Feck

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

FIELD TICKET & TREATMENT REPORT

CEMENT API # 15-207-28056

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2-25-12	3451	Massey # 14-HP	35	23S	14E	Woodson
CUSTOMER Haas Petroleum LLC		SKYY DRLG	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS 11551 Ash St Ste 205			520	Allen B		
CITY Lea wood			667	Chris B		
STATE KS			637	Russ M		
ZIP CODE 66211						

JOB TYPE Longstring HOLE SIZE 6 3/4" HOLE DEPTH 1740' CASING SIZE & WEIGHT 4 1/2 @ 9.5 #
 CASING DEPTH 1735' DRILL PIPE --- TUBING --- OTHER ---
 SLURRY WEIGHT 12.9-13.2 SLURRY VOL --- WATER gal/sk --- CEMENT LEFT in CASING 10'
 DISPLACEMENT 28 Bbl DISPLACEMENT PSI 700 BUMP PLUG MIX PSI to 1200 PSI RATE 5 BPM

REMARKS: Rig up to 4 1/2" casing, Break circulation w/10 Bbl water. mixed 225 SKS 60/40 poz mix cement with 5# kol seal/sk, 1# phenoseal/sk 4% gel + 1% calcium @ 12.8-13.2 #/gal. Shut down wash out pump & lines & displace with 28 Bbl water. Final pumping pressure of 700 psi, bumped plug to 1200 psi. Plug & float held good. Good circulation @ all times. 1 Bbl slurry to pit. Job complete.

"Thanks Shannon & crew"

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	1030.00	1030.00
5406	45	MILEAGE	4.00	180.00
1131	225 SKS	60/40 poz mix cement	12.55	2823.75
1118 B	775 #	Gel @ 4%	.21	162.75
1110 A	1125 #	Kol-seal @ 5#/sk	.46	517.50
1107 A	225 #	Phenoseal @ 1#/sk	1.29	290.25
1102	200 #	calcium @ 1%	.74	148.00
5407A	9.7 Tons	Ton mileage bulk Truck	1.34	584.91
5502C	3 HRS	80 Bbl Vac Truck	90.00/HR	270.00
1123	3000 gal	City Water	16.50/1000gal	49.50
4404	1	4 1/2 Rubber Plug	45.00	45.00
4310	1	1/2 baffle plate	63.00	63.00
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			Sub Total	6164.66
			7.3% SALES TAX	299.28
			ESTIMATED TOTAL	6463.94

Ravin 3737

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248036

AUTHORIZATION B. W. Feck

TITLE Toolpusher

DATE

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.

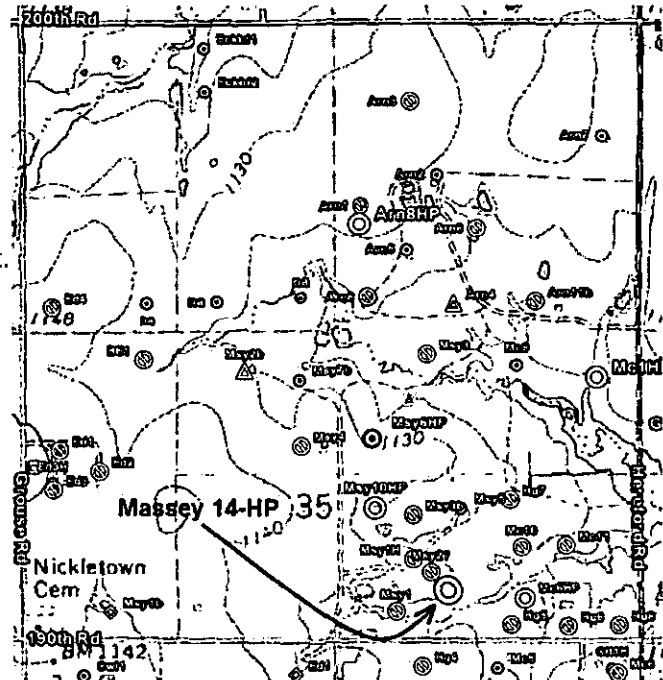
Geological Wellsite Report

By David Griffin, RG
GGR (Griffin Geological Resources), Inc.
February 28, 2012

Well Info: Massey 14-HP, Producer
60' N of SE SW SE/4
390' fsl, 1650' fel
Section 35, T23S-R14E
Woodson County, KS
API No. 15-207-28056
GPS Coordinates:
W-95.836015, N37.997253
Datum: KB '1128', GL1121' est.
RTD: 1740', KB
Status: Pipe Set

Operator: Haas Petroleum, LLC
11551 Ash Street, Suite 205
Leawood, Kansas 66211
Operator License No.: 33640
Mark Haas, President

Contractor: Skyy Drilling, Rig #3, 7' KB
Yates Center, Kansas, 66865
Contractor License No.: 33557
Owner: Mark Haas



Objectives: Primary objective, evaluate the Dolomite First Break Porosity of the Mississippian
Secondary objective, evaluate the Upper Squirrel Sandstone

Drilling Notes:

February 20, 2012, Spud, Set 8 $\frac{3}{8}$ " Surface Casing
February 24, 2012, Reached Total Depth of 1740', KB
One 6 $\frac{3}{4}$ " PDC Bit
Native fresh water mud to 1251', Chemical Gel Mud 1251' to TD

Geological Supervision:

David Griffin, RG, provided wellsite supervision on February 23, and 24, 2012.
Drilling was witnessed from 1100' to 1740', samples were microscopically examined
from 1200' to 1740'.

Cement Co.: Consolidated Oil Well Service Co., Contractor License No.: 33961

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Geological Datums:

Haas Petroleum, LLC			Haas Petroleum, LLC		
Massey 14-HP			Massey 6-HP		
60' N of SE SW SE/4			SW NW SE/4		
Sec. 35-T23S-R14E			Sec. 35-T23S-R14E		
Zones of Interest	Open-Hole Log Tops		S C T O R M C P	Open-Hole Log Tops	
	KB Elev. 1128'			KB Elev. 1135'	
	Depth	Subsea		Depth	Subsea
Base Kansas City	920	208	+2	929	206
Cherokee	1248	-120	+5	1260	-125
Upper Squirrel SS	1254	-126	+5	1266	-131
Base SS	1265	-137	+5	1277	-142
Lower Squirrel SS	absent			absent	
V-Shale (Base Ardmore LS)	1356	-228	+3	1366	-231
Cattleman SS	1373	-245		absent	
Base SS	1383	-255			
Chert	1628	-500	-12	1623	-488
Top Mississippian	1629	-501	-7	1629	-494
Miss. Dolomite, Pay Zone	1632	-504	-3	1636	-501
Base Pay Zone	1650	-522	-7	1650	-515
Rotary Total Depth	1740	-612		1720	-585

Structural Comparisons:

Structural comparison of the Top of the Mississippian Dolomite Pay Zone indicates that Massey 14-HP is 3' low to Massey 6-HP, a newly drilled producer lying ~1450' to the northwest.

Logs, Gas Detection, Cores, DST's:

An open-hole log was ran by Tucker Wireline Services, total gas detection was performed from 1105' to 1740', no cores or DST's were obtained for this well.

Descriptions of Oil Show Zones:

Upper Squirrel SS

1257' to 1268', (-129), Samples,(1254' to 1265', -126, O-H Log), 11' of Porosity

1257'-1263', Samples

Sandstone, 80%, very dark gray, very fine grained, silty, good porosity, fair odor, very good show of heavy free oil rinsing from samples and bleeding into sample bag, fair to good oil show in pit; Siltstone, 20%, gray and shale, gray. Total gas readings reached 116 units, exceeding background levels by about 98 units.

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1263'-1268', Samples

Sandstone, 65%, very dark gray, very fine grained, silty, good porosity, fair odor, very good show of heavy to very heavy free oil rinsing from samples and bleeding into sample bag, appears free of tar, fair oil show in pit; Siltstone, 35%, light gray. Total gas readings reached 100 units, exceeding background levels by about 82 units.

Saltwater calculations were at best 36% in the middle of the pay zone. Conservative estimates calculate 36,522 barrels of oil in place. The Upper Squirrel sandstone has good potential for pay zone. However, the low gravity nature of the oil increases risks for commercial viability. Saltwater calculations are attached to this report.

Mississippian Dolomite, Pay Zone

1636' to 1654', (-501'), Samples, (1632' to 1650', -504, O-H Log), 12' Potential Pay*

*1636' to 1642', Samples, Good Pay Zone Potential

Dolomite, 70%, tan, very fine crystalline, fair intercrystalline, good to very good vugular porosity, good oil odor, good show of light gravity free oil rinsing from samples and in sample bags, 70% medium to bright fluorescence; Dolomite, 10%, light tan-gray, very fine crystalline, fair porosity, no show; Chert, 20%, off-white to very light gray, sharp, no show in chert.

Saltwater calculations were at best 67.9%; however, they are likely negatively biased due to the thin nature of the zone. Total gas readings reached 186 units, exceeding background levels by about 84 units.

1642' to 1648', Not Pay Zone

Dolomite, 5%, tan, very good vugular porosity, faint odor, good show of free oil, possible carry over from above zone; dolomite, 80%, tan-gray, fair porosity, very fine crystalline, no show; Chert, 15%, off-white, sharp.

*1648' to 1654', Good Pay Zone Potential

Dolomite, 50%, light brown, fine crystalline, good intercrystalline, very good vugular porosity, good oil odor, good show of light gravity free oil rinsing from samples and in sample bags; 50% medium to bright fluorescence; Dolomite, 48%, tan-gray, poor to fair porosity, no show; Chert, 2%, light gray, sharp. Saltwater calculations were at best 75.2%; however, they are likely negatively biased due to the thin nature of the zone. Total gas readings reached 180 units, exceeding background levels by about 80 units.

Best potential for pay zone lies from 1636' to 1642' and 1648' to 1654', Samples; (1632' to 1638' and 1644' to 1650', O-H Log).

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Summary:

Massey 14-HP contained 11' of Upper Squirrel Sandstone from 1257' to 1268', (-129), Samples, (1254' to 1265', -126, O-H Log) with very good shows of heavy to very heavy oil and has good potential for pay zone. The Mississippian Dolomite contained 12' of potential pay zone from 1636' to 1642' and 1648' to 1654', Samples, (1632' to 1638' and 1644' to 1650', O-H Log) with good shows of light gravity free oil. The dolomite pay zone was 3' low to Massey 6-HP, a newly drilled uncompleted producer lying 1450' to the northwest. 4½" production casing was set to ~1720' to test the Mississippian Dolomite.

Recommendations:

It is recommended that the Mississippian Dolomite be perforated from 1645' to 1649', KB (1638' to 1642', GL) and from 1633' to 1637', KB, (1626' to 1630', GL) and swab tested naturally. Acid treatment should be performed if fluid volume is not sufficient.

Respectfully Submitted,



David Griffin, RG, President
GGR (Griffin Geological Resources), Inc.
Lawrence, Kansas

Attachments: Sample Log, SW Calculations

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Massey 14-HP
Upper Squirrel Sandstone

Model = Archie		ZN	DEPTH	THICK	RT	RHI	RWA	RO	MA	SW	BVW	VSH	PAY	BOI
PARAMETERS														
X		1	1250	0.5	6.36	18.2%	0.25	2.58	2.23	39.4%		1.607	0	1.11
Y		2	1250.5	0.5	6.92	15.6%	0.21	3.40	2.10	75.7%		1.213	0	1.11
A	1	3	1251	0.5	6.76	18.6%	0.19	4.35	2.02	96.2%		0.991	0	1.11
M	1.8	4	1251.5	0.5	7.68	12.4%	0.18	5.16	1.99	31.9%		0.789	0	1.11
N	2	5	1252	0.5	8.66	11.5%	0.18	5.87	1.98	32.3%	0.095	0.656	0	1.11
RW	0.12	6	1252.5	0.5	9.66	11.9%	0.21	5.53	2.06	75.7%	0.090	0.620	0	1.11
CTHK	50.5	7	1253	0.5	10.5	13.5%	0.28	4.44	2.23	65.2%	0.088	0.620	0	1.11
AVPHI	0.20	8	1253.5	0.5	10.9	15.1%	0.36	3.60	2.39	57.4%	0.087	0.676	0	1.11
FTOIL	1.18	9	1254	0.5	11.1	16.8%	0.45	2.96	2.54	51.6%	0.087	0.755	0.04	1.11
PAYFEET	9.5	10	1254.5	0.5	11.2	18.6%	0.54	2.49	2.69	47.1%	0.087	0.778	0.05	1.11
Bris Oil In Place	36,522	11	1255	0.5	11.6	19.9%	0.63	2.20	2.82	43.8%	0.087	0.758	0.06	1.11
4.44 Acres		12	1255.5	0.5	11.7	21.3%	0.72	1.94	2.96	40.7%	0.087	0.695	0.06	1.11
P		13	1256	0.5	12	23.1%	0.86	1.68	3.14	37.4%	0.086	0.611	0.07	1.11
Q		14	1256.5	0.5	12.4	23.9%	0.95	1.57	3.25	35.6%	0.085	0.616	0.08	1.11
R		15	1257	0.5	12.9	23.1%	0.92	1.67	3.19	36.0%	0.083	0.654	0.07	1.11
DMIN		16	1257.5	0.5	13.3	22.5%	0.91	1.76	3.16	36.4%	0.082	0.667	0.07	1.11
DMAX		17	1258	0.5	13.4	22.0%	0.88	1.84	3.11	37.0%	0.081	0.691	0.07	1.11
GL		18	1258.5	0.5	13.3	21.3%	0.82	1.94	3.04	38.2%	0.081	0.702	0.07	1.11
TD		19	1259	0.5	13	21.7%	0.83	1.88	3.07	38.0%	0.083	0.691	0.07	1.11
BHT		20	1259.5	0.5	12.6	21.7%	0.81	1.87	3.05	38.5%	0.084	0.685	0.07	1.11
ST		21	1260	0.5	12.3	20.8%	0.73	2.02	2.95	40.5%	0.084	0.681	0.06	1.11
RMF		22	1260.5	0.5	12.1	20.5%	0.70	2.08	2.91	41.4%	0.085	0.683	0.06	1.11
RMFT		23	1261	0.5	11.9	21.2%	0.73	1.96	2.96	40.6%	0.086	0.680	0.06	1.11
		24	1261.5	0.5	11.8	21.2%	0.72	1.97	2.95	40.9%	0.086	0.633	0.06	1.11
		25	1262	0.5	11.4	20.1%	0.64	2.15	2.84	43.4%	0.087	0.651	0.06	1.11
OUT-OFFS		26	1262.5	0.5	10.8	19.6%	0.57	2.26	2.76	45.8%	0.090	0.786	0.05	1.11
PHICUT	0.16	27	1263	0.5	9.94	19.6%	0.53	2.26	2.71	47.7%	0.093	0.817	0	1.11
SWGUT	0.6	28	1263.5	0.5	9.06	19.7%	0.48	2.24	2.66	49.8%	0.096	0.724	0.05	1.11
VSHGUT	0.8	29	1264	0.5	8.37	19.5%	0.44	2.28	2.59	52.2%		0.688	0	1.11
BWGUT	0.1	30	1264.5	0.5	7.96	18.5%	0.38	2.51	2.48	56.1%		0.785	0	1.11
Colors:	<input checked="" type="checkbox"/> ON	31	1265	0.5	7.59	18.2%	0.35	2.57	2.44	58.1%		0.938	0	1.11
		32	1265.5	0.5	7.21	18.4%	0.34	2.53	2.42	59.2%		1.010	0	1.11
		33	1266	0.5	6.88	18.5%	0.33	2.50	2.40	60.3%		1.025	0	1.11
		34	1266.5	0.5	6.63	18.1%	0.30	2.62	2.34	62.8%		1.067	0	1.11
		35	1267	0.5	6.46	18.1%	0.30	2.61	2.33	66.6%		1.140	0	1.11
		36	1267.5	0.5	6.34	18.6%	0.31	2.47	2.36	67.4%		1.210	0	1.11
		37	1268	0.5	6.28	19.2%	0.32	2.34	2.40	69.9%		1.265	0	1.11
		38	1268.5	0.5	6.24	20.7%	0.37	2.04	2.51	57.2%		1.399	0	1.11
		39	1269	0.5	6.19	21.8%	0.40	1.86	2.59	54.8%		1.491	0	1.11
		40	1269.5	0.5	6.14	21.6%	0.39	1.89	2.57	55.5%		1.378	0	1.11
		41	1270	0.5	6.1	20.9%	0.36	2.01	2.51	57.4%		1.190	0	1.11
		42	1270.5	0.5	6.07	20.8%	0.36	2.02	2.50	57.7%		1.064	0	1.11
		43	1271	0.5	6.06	21.4%	0.38	1.93	2.54	56.4%		1.015	0	1.11
		44	1271.5	0.5	6.06	21.6%	0.38	1.89	2.56	55.9%		1.069	0	1.11
		45	1272	0.5	6.06	22.1%	0.40	1.82	2.60	54.8%		1.121	0	1.11
		46	1272.5	0.5	6.08	21.9%	0.40	1.84	2.59	55.0%		1.096	0	1.11
		47	1273	0.5	6.1	21.0%	0.37	1.99	2.52	57.1%		1.080	0	1.11
		48	1273.5	0.5	6.11	20.5%	0.35	2.08	2.48	58.4%		1.067	0	1.11
		49	1274	0.5	6.11	20.1%	0.34	2.16	2.45	59.4%		0.983	0	1.11
		50	1274.5	0.5	6.1	19.7%	0.33	2.23	2.42	60.5%		0.946	0	1.11
		51	1275	0.5	6.09	19.5%	0.32	2.28	2.40	60.2%		1.022	0	1.11
		52	1275.5	0.5	6.07	19.8%	0.33	2.22	2.42	60.6%		1.066	0	1.11
		53	1276	0.5	6.06	20.8%	0.36	2.03	2.50	57.9%		1.065	0	1.11
		54	1276.5	0.5	6.08	21.9%	0.40	1.85	2.59	55.1%		1.017	0	1.11
		55	1277	0.5	6.11	22.1%	0.40	1.81	2.61	54.5%		0.978	0	1.11
		56	1277.5	0.5	6.16	21.8%	0.40	1.86	2.59	54.9%		0.973	0	1.11
		57	1278	0.5	6.2	21.5%	0.39	1.91	2.57	55.5%		0.978	0	1.11
		58	1278.5	0.5	6.23	20.8%	0.37	2.03	2.51	57.1%		0.936	0	1.11
		59	1279	0.5	6.24	19.8%	0.34	2.22	2.44	59.6%		0.909	0	1.11
		60	1279.5	0.5	6.24	18.9%	0.31	2.42	2.37	62.2%		0.961	0	1.11
		61	1280	0.5	6.23	18.6%	0.30	2.47	2.35	63.0%		1.009	0	1.11
		62	1280.5	0.5	6.2	19.6%	0.33	2.25	2.42	60.6%		1.003	0	1.11
		63	1281	0.5	6.16	20.6%	0.36	2.07	2.49	57.9%		0.986	0	1.11
		64	1281.5	0.5	6.11	21.1%	0.37	1.98	2.52	56.9%		1.098	0	1.11
		65	1282	0.5	6.07	19.9%	0.33	2.19	2.43	66.1%		1.240	0	1.11
		66	1282.5	0.5	6.03	18.5%	0.29	2.50	2.32	65.4%		1.174	0	1.11
		67	1283	0.5	5.98	18.1%	0.28	2.60	2.29	66.0%		1.097	0	1.11
		68	1283.5	0.5	5.93	18.3%	0.28	2.55	2.30	65.6%		1.158	0	1.11
		69	1284	0.5	5.86	19.2%	0.30	2.34	2.36	66.2%		1.211	0	1.11
		70	1284.5	0.5	5.8	20.2%	0.33	2.13	2.42	66.7%		1.191	0	1.11
		71	1285	0.5	5.72	20.6%	0.33	2.06	2.45	60.0%		1.152	0	1.11

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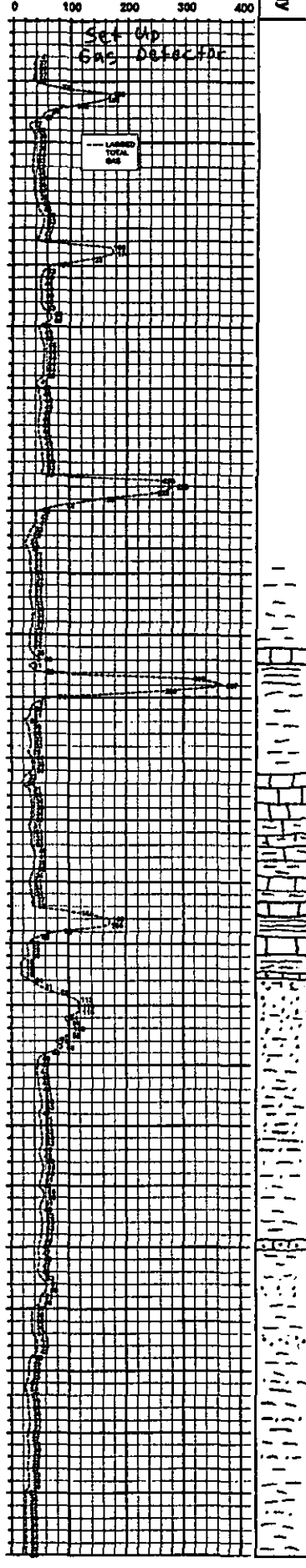
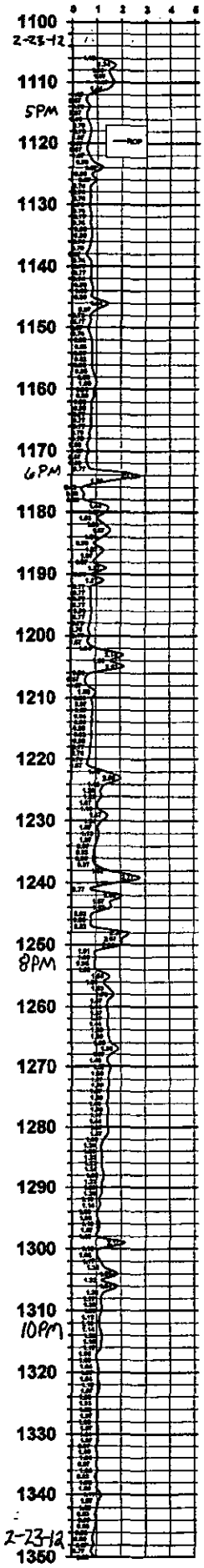
MAR 05 2012

KCC WICHITA

Massey 14-HP
Mississippian Dolomite

Model = Archie

PARAMETERS	ZN	DEPTH	THK	RT	PHI	RWA	RO	MA	SW	BVW	VSH	PAY	
X		1	1628	0.5	458	18.8%	0.16	3.10	2.23	82.3%	0.155	0.822	0
Y		2	1628.5	0.5	425	18.1%	0.14	3.38	2.13	89.1%	0.161	0.718	0
A		3	1629	0.5	409	19.4%	0.15	2.92	2.21	84.5%	0.164	0.677	0
M	1	4	1629.5	0.5	411	20.4%	0.17	2.64	2.28	80.2%	0.164	0.527	0
N	2	5	1630	0.5	432	19.0%	0.16	3.04	2.21	83.9%	0.160	0.403	0
RW	0.11	6	1630.5	0.5	47	17.4%	0.14	3.64	2.15	88.3%	0.153	0.414	0
CTHK	74	7	1631	0.5	517	16.2%	0.14	4.17	2.12	86.3%	0.146	0.446	0
AVPHI	0.11	8	1631.5	0.5	572	16.2%	0.15	4.20	2.17	85.7%	0.139	0.461	0
FTOIL	0.17	9	1632	0.5	635	16.7%	0.18	3.94	2.27	78.7%	0.132	0.466	0
PAYFEET	3.5	10	1632.5	0.5	697	17.2%	0.21	3.72	2.36	73.0%	0.126	0.396	0
P		11	1633	0.5	737	17.9%	0.24	3.42	2.45	68.1%	0.122	0.256	0.03
Q		12	1633.5	0.5	724	18.2%	0.24	3.34	2.45	67.9%	0.123	0.137	0.03
R		13	1634	0.5	653	18.1%	0.21	3.37	2.39	71.9%	0.130	0.105	0.03
DMIN		14	1634.5	0.5	654	18.4%	0.19	3.27	2.31	76.8%	0.141	0.124	0.02
DMAX		15	1635	0.5	458	18.0%	0.15	3.41	2.17	86.3%	0.155	0.143	0
KB		16	1635.5	0.5	386	18.1%	0.13	3.36	2.08	93.3%	0.169	0.143	0
TD		17	1636	0.5	331	20.6%	0.14	2.55	2.16	87.8%		0.143	0
BHT		18	1636.5	0.5	287	24.4%	0.17	1.85	2.31	80.3%		0.160	0
ST		19	1637	0.5	254	26.9%	0.18	1.52	2.39	77.2%		0.170	0
RMF		20	1637.5	0.5	232	27.3%	0.17	1.47	2.35	79.7%		0.162	0
RMFT		21	1638	0.5	219	25.7%	0.15	1.66	2.20	87.1%		0.178	0
		22	1638.5	0.5	215	24.9%	0.13	1.78	2.14	90.9%		0.220	0
CUT-OFFS		23	1639	0.5	216	25.2%	0.14	1.74	2.16	89.7%		0.244	0
PHIGUT	0.17	24	1639.5	0.5	222	24.5%	0.13	1.83	2.14	90.8%		0.248	0
SWCUT	0.85	25	1640	0.5	228	23.0%	0.12	2.08	2.06	95.3%		0.254	0
VSHCUT	0.3	26	1640.5	0.5	232	22.7%	0.12	2.13	2.06	95.3%		0.267	0
BVWCUT	0.17	27	1641	0.5	233	22.9%	0.12	2.10	2.07	94.9%		0.271	0
		28	1641.5	0.5	232	22.6%	0.12	2.15	2.05	96.2%		0.242	0
Colors:	<input type="checkbox"/>	29	1642	0.5	229	22.8%	0.12	2.11	2.06	96.0%		0.233	0
		30	1642.5	0.5	228	23.7%	0.13	1.97	2.10	92.9%		0.215	0
RSH		31	1643	0.5	226	24.4%	0.13	1.85	2.14	90.5%		0.185	0
PHISH		32	1643.5	0.5	225	24.2%	0.13	1.87	2.13	91.3%		0.138	0
		33	1644	0.5	227	24.5%	0.14	1.83	2.15	89.7%		0.103	0
		34	1644.5	0.5	233	24.7%	0.14	1.80	2.18	86.9%		0.138	0
		35	1645	0.5	244	24.4%	0.14	1.85	2.19	87.1%		0.187	0
		36	1645.5	0.5	261	24.1%	0.15	1.90	2.22	85.3%		0.235	0
		37	1646	0.5	282	23.1%	0.15	2.06	2.21	85.5%		0.249	0
Lat-Long to UTM		38	1646.5	0.5	303	20.7%	0.13	2.58	2.10	92.2%		0.215	0
LONG.		39	1647	0.5	324	18.0%	0.11	3.39	1.97	102.3%		0.191	0
LAT.		40	1647.5	0.5	347	16.9%	0.10	3.87	1.94	105.5%		0.182	0
UTMZONE		41	1648	0.5	373	18.2%	0.12	3.33	2.07	94.5%		0.176	0
PRJZONE		42	1648.5	0.5	4	20.3%	0.17	2.66	2.26	81.6%	0.166	0.128	0.02
UTM.X		43	1649	0.5	4.19	21.5%	0.19	2.37	2.37	75.2%	0.162	0.069	0.03
UTM.Y		44	1649.5	0.5	427	20.4%	0.18	2.65	2.30	78.8%	0.161	0.057	0.02
		45	1650	0.5	433	17.3%	0.13	3.68	2.09	92.1%	0.159	0.061	0
SIM. PARAMETERS		46	1650.5	0.5	443	15.4%	0.11	4.62	1.98	102.1%	0.158	0.049	0
GR. PAY		47	1651	0.5	456	14.9%	0.10	4.93	1.96	104.0%	0.155	0.050	0
NET PAY		48	1651.5	0.5	475	14.1%	0.09	5.52	1.92	107.8%	0.152	0.080	0
PAY TOP		49	1652	0.5	493	13.7%	0.09	5.85	1.91	109.0%	0.149	0.123	0
AVG. PHI		50	1652.5	0.5	502	14.1%	0.10	5.56	1.95	105.3%	0.148	0.160	0
PERM.X		51	1653	0.5	499	13.5%	0.09	6.03	1.91	109.9%	0.148	0.176	0
PERM.Y		52	1653.5	0.5	489	11.8%	0.07	7.90	1.78	107.1%	0.150	0.219	0
PERM.Z		53	1654	0.5	477	10.8%	0.06	9.52	1.69	141.3%	0.152	0.305	0
OIL SAT.		54	1654.5	0.5	466	11.3%	0.07	7.86	1.76	129.9%	0.154	0.381	0
WTR SAT.		55	1655	0.5	461	14.0%	0.09	5.62	1.90	110.4%	0.154	0.384	0
INTR		56	1655.5	0.5	462	15.0%	0.10	4.87	1.97	102.7%	0.154	0.290	0
		57	1656	0.5	469	15.5%	0.11	4.61	2.01	99.1%	0.153	0.207	0
LANDGRID		58	1656.5	0.5	481	16.2%	0.13	4.21	2.07	93.5%	0.151	0.215	0
TWN		59	1657	0.5	498	16.6%	0.14	3.98	2.12	89.4%	0.149	0.283	0
SEC		60	1657.5	0.5	516	16.3%	0.14	4.12	2.12	89.4%	0.146	0.354	0
Ft. North		61	1658	0.5	542	14.8%	0.12	5.01	2.04	96.1%	0.142	0.370	0
Ft. South		62	1658.5	0.5	578	12.0%	0.08	7.59	1.87	114.6%	0.138	0.306	0
Ft. East		63	1659	0.5	619	10.8%	0.07	9.48	1.81	128.6%	0.133	0.249	0
Ft. West		64	1659.5	0.5	665	11.6%	0.09	8.22	1.90	111.2%	0.129	0.264	0
		65	1660	0.5	701	12.3%	0.11	7.28	1.98	101.9%	0.125	0.304	0
CROSS SECTION		66	1660.5	0.5	742	11.8%	0.10	7.90	1.95	105.3%	0.124	0.316	0
DATUM 1		67	1661	0.5	706	11.3%	0.09	8.58	1.91	110.3%	0.125	0.304	0
DATUM 2		68	1661.5	0.5	696	11.7%	0.09	8.09	1.93	107.8%	0.126	0.269	0
No. of Prf		69	1662	0.5	686	12.2%	0.10	7.45	1.96	104.2%	0.127	0.263	0
Perf1 Top		70	1662.5	0.5	675	13.0%	0.11	6.53	2.02	98.3%	0.128	0.293	0
Perf1 Bot		71	1663	0.5	664	14.1%	0.13	5.52	2.09	91.2%	0.129	0.353	0
		72	1663.5	0.5	657	15.3%	0.15	4.67	2.18	84.3%	0.129	0.490	0
		73	1664	0.5	658	16.7%	0.18	3.97	2.28	77.6%	0.129	0.609	0
		74	1664.5	0.5	668	17.3%	0.21	3.47	2.38	72.0%	0.128	0.581	0
		75	1665	0.5	683	17.4%	0.21	3.65	2.36	73.1%	0.127	0.427	0
		76	1665.5	0.5	694	15.9%	0.18	4.34	2.26	79.1%	0.126	0.321	0
		77	1666	0.5	694	14.4%	0.14	5.28	2.14	87.2%	0.126	0.275	0
		78	1666.5	0.5	69	13.1%	0.12	6.41	2.04	96.4%	0.126	0.280	0
		79	1667	0.5	681	12.0%	0.10	7.59	1.95	105.5%	0.127	0.320	0
		80	1667.5	0.5	665	10.8%	0.08	9.43	1.84	119.1%	0.129	0.336	0
		81	1668	0.5	65	10.2%	0.07	10.68	1.78	128.2%	0.130	0.358	0



Operator: Haas Petroleum, LLC.
 Drip Contr: Sky Drilling, LLC, Rig 3
 API No.: 15-207-28056

Set up Gas Detector

LABORED TOP GAS

Sh, gy,
 LS, off-wh, dms, ns
 sh, blk
 sh, gy
 LS, ltgy, v-f, xln, frp, trace dk stain
 no odor, NoSFO, glauc.
 LS, drgy, shly
 sh, dkgy
 LS, gy, tn, f xln, frp, ns
 sh, blk
 LS, grinstone, gy, xln, frp, ns
 sh, blk to dkgy, dk bnls, ls, t, dms
 sh, gn-gy, gy, dkgy
 SS, vdkgy, v, fern, sh, gdp, fr odor,
 10% vdk show hvy to v. hvy oil. b/dg from
 drilling & fr smpl - begin: sh, 20%
 SS, 5% AA, VG SFVH oil; s/st, 55%
 water
 sh, gy to vdkgy; s/st, 50%, ltgy, s+unc
 Sh, gy, s+unc; s/st, 20%, ltgy
 Sh, gy
 LS, sdy, ns
 Fr oil stain
 ss, ltgy up patchy dkgy oil stain, No. Free Oil
 Fr oil stain
 ss, gy to dkgy abd mte, shly, fr tant
 hvy residual oil stain
 sh, dkgy, 20% s/st lam, sdy, ns

GL 1121' est
 6 1/2" PDC Bit

Begin 10' Samples at 1200'

5' samples at 1230'

Mud Up @ 1251
 Cherokee 1251 (-125)
 1/2" Sa, uirrel SS (1257-129)
 SS Base 1260, 11" Thk

OH Log Tops
 1254 SS
 1254 (-126)
 1265 (-137)

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 KCC WICHITA

David Griffin, GGR Inc., Lawrence, KS		Lithology	Shows	Well: Massey 14-HP	Pg. 2 of 3
Depth	Penetration Rate (ROP) Min./Foot			Lagged Total Gas Units	Location: SE SW SE/4, 390' tol & 1650' tol, Section 35-T23S-R14E, Wdn Co.
				Sample Descriptions (Lagged)	Tops/Remarks
1350				sh, dk gy	
2-23-12				Coal sh, gy ls, tr, micrite, sh, bk sh, gy to dk gy	V-Shale (Base And. ls) 1364 (-236) O-Log (390'-230')
1380				ls, tr, dms	Coffman SS
2-21-12				SS, vlg, v-f, gn, gdp, mica, nodos, MS	1378 (-250) O-Log (395'-240')
1380				ls, tr	Base SS 1500 10' THK
1390				Coal	
1400				sh, vlg to dg, ptly calc, min clystr, bn	
1410				Coal	
1420				sh, vlg to dg	
1430					
2 AM					
1440					
1450				Coal	
1460				sh, vlg to dg, ptly stnuc, min siderite	
1470				sh, gy to dk gy, lgy, lgn	
1480				Coal	
1490				sh, lfg, lg, g, dk, bk	
1500				sh, mostly vlg to bk, minged, clystr, wd, dk, bn	
1510					
4 AM					
1520				siltst, vlg, hard, MS	
1530					
1540				ls, tr, bn, mdn, prof, g, stnuc sh, gy to bk	
1550				siltst, vlg, hd	
1560				Coal	
1570				sh, vlg, calc to vlg	
1580				Coal	
6 AM				sh, mostly vlg, min vlg & tan 20%	
1590					
2-24-12				Coal	
1800					

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KCC WICHITA

Depth	David Griffin, GGR Inc., Lawrence, KS		Lithology	Shows	Well: Massey 14-HP	Pg. 3 of 3
	Penetration Rate (ROP) Min./Foot	Lagged Total Gas Units			Location: SE SW SE/4, 39° fsl & 1650' Tet. Section 35-T23S-R14E, Wdn Co.	Datum/Elev. KB 1128'
					Sample Descriptions (Lagged)	Top/Remarks
1600					sh, vdg to bk	Begin
1610					sh, mostly bk, carbonaceous	5' samples
1620					Coal	
1630					sh, vdg to bk	D-H Log 1630(-50)
1640					Coal sh, vdg to bk	Top Mississippi Dn
8 AM					Coal sh, vdg to bk, carbonaceous	1632(-50)
1650					Coal sh, vdg to bk, carbonaceous	1636(-50)
1660					Coal sh, vdg to bk, carbonaceous	1638(-50)
10 AM					Coal sh, vdg to bk, carbonaceous	1640(-50)
1670					Coal sh, vdg to bk, carbonaceous	1642(-50)
1680					Coal sh, vdg to bk, carbonaceous	1644(-50)
1690					Coal sh, vdg to bk, carbonaceous	1646(-50)
11 AM					Coal sh, vdg to bk, carbonaceous	1648(-50)
1700					Coal sh, vdg to bk, carbonaceous	1650(-50)
1710					Coal sh, vdg to bk, carbonaceous	1652(-50)
1720					Coal sh, vdg to bk, carbonaceous	1654(-50)
1730					Coal sh, vdg to bk, carbonaceous	1656(-50)
12 PM					Coal sh, vdg to bk, carbonaceous	1658(-50)
1740					Coal sh, vdg to bk, carbonaceous	1660(-50)
1750					Coal sh, vdg to bk, carbonaceous	1662(-50)
1760					Coal sh, vdg to bk, carbonaceous	1664(-50)
1770					Coal sh, vdg to bk, carbonaceous	1666(-50)
1780					Coal sh, vdg to bk, carbonaceous	1668(-50)
1790					Coal sh, vdg to bk, carbonaceous	1670(-50)
1800					Coal sh, vdg to bk, carbonaceous	1672(-50)
1810					Coal sh, vdg to bk, carbonaceous	1674(-50)
1820					Coal sh, vdg to bk, carbonaceous	1676(-50)
1830					Coal sh, vdg to bk, carbonaceous	1678(-50)
1840					Coal sh, vdg to bk, carbonaceous	1680(-50)
1850					Coal sh, vdg to bk, carbonaceous	1682(-50)

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