

ORIGINAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33300  
Name: Evergreen Operating Corporation  
Address: 1401 17th Street, Suite 1200  
City/State/Zip: Denver CO 80202  
Purchaser: \_\_\_\_\_  
Operator Contact Person: Tom Erwin  
Phone: (303) 298-8100 ext 1330  
Contractor: Name: Layne Christensen Company  
License: 32999

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Wellsite Geologist: \_\_\_\_\_

Designate Type of Completion:

New Well     Re-Entry     Workover  
 Oil     SWD     SLOW     Temp. Abd.  
 Gas     ENHR     SIGW  
 Dry     Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening     Re-perf.     Conv. to Enhr./SWD

Plug Back     Plug Back Total Depth

Commingled    Docket No. \_\_\_\_\_

Dual Completion    Docket No. \_\_\_\_\_

Other (SWD or Enhr.?)    Docket No. \_\_\_\_\_

10/17/2003    10/24/2003    1/10/2004

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

API No. 15 - 12127759 0000

County: Miami

SW NE SW Sec. 20 Twp. 18 S. R. 23  East  West

1800 feet from S N (circle one) Line of Section

1560 feet from E W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW SW

Lease Name: Medlin Well #: 23-20 WD

Field Name: Forest City Coal Gas Area

Producing Formation: Cherokee Group

Elevation: Ground: 869 Kelly Bushing: 874

Total Depth: 2139 Plug Back Total Depth: 2100

Amount of Surface Pipe Set and Cemented at 44 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from 1303

feet depth to Surface w/ 341 + 120 sx cmt.

ACT II WDM 9-11-06

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content \_\_\_\_\_ ppm Fluid volume 500 bbls

Dewatering method used Vacuum pit and backfill

Location of fluid disposal if hauled offsite:

Operator Name: Evergreen Operating Corporation

Lease Name: Medlin License No.: 33300

Quarter SW Sec. 20 Twp. 18 S. R. 23  East  West

County: Miami Docket No.: D28-257

**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: Thomas M. Zimm

Title: Sr Operations Engineer Date: 2/13/04

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_,

20 \_\_\_\_\_

Notary Public: \_\_\_\_\_

Date Commission Expires: \_\_\_\_\_

KCC Office Use ONLY

Yes DKT 04-CONS-327-CEXG

Letter of Confidentiality Attached

If Denied, Yes  Date: \_\_\_\_\_

Wireline Log Received

Geologist Report Received

UIC Distribution

✓

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Side Two

Operator Name: Evergreen Operating Corporation Lease Name: Medlin Well #: 23-20 WD
Sec. 20 Twp. 18 S. R. 23 [X] East [ ] West County: Miami

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 [ ] Yes [X] No
Samples Sent to Geological Survey [ ] Yes [X] No
Cores Taken [X] Yes [ ] No
Electric Log Run [X] Yes [ ] No
List All E. Logs Run:
DIL, CNL, CBL
Arbuckle 1300 - 431
Granite Wash 2096 - 1227

CASING RECORD Table with columns: 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. Includes Surface and Production rows.

ADDITIONAL CEMENTING / SQUEEZE RECORD Table with columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives. Includes Surf -425 row.

PERFORATION RECORD - Bridge Plugs Set/Type Table with columns: Shots Per Foot, PERFORATION RECORD - Bridge Plugs Set/Type, Acid, Fracture, Shot, Cement Squeeze Record, Depth. Includes 2 shots at 1840-1900 and 2012-2042.

TUBING RECORD and Producing Method sections. Includes Size 2 7/8, Set At 1265, Packer At 1269, and Date of First Production 1/10/2004.

Disposition of Gas and METHOD OF COMPLETION sections. Includes checkboxes for Vented, Sold, Used on Lease, Open Hole, Perf., Dually Comp., and Commingled.

EVERGREEN RESOURCES, INC.

OPERATOR	EVERGREEN OPERATING CORP
WELL NAME	MEDLIN #23 - 20 WD
LEGAL LOCATION	NESW SECTION 20, T18S - R23E
COUNTY, STATE	MIAMI COUNTY, KANSAS

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DAILY DRILLING REPORT

DATE	10/18/2003	TOTAL DEPTH	45' GL
REPORT NO.	1	DEPTH (LAST 24 HRS)	45'
RIG CONTRACTOR	CHRISTENSEN	DAYS SINCE SPUD	1
CONSULTANT	FRIEDRICHS	AFE #	03KS - 014

PRESENT OPERATION			
PRESENT OPERATION	DAILY COST	CUM COST	AFE COSTS
MI & RU LAYNE CHRISTENSEN. DRL & SET SURFACE CASING AT 45' GL. W.O.C	\$ 7,600	\$ 7,600	\$ 118,057

DAILY DRILLING SUMMARY			
FROM (hrs)	TO (hrs)	HOURS (hrs)	DESCRIPTION OF DAILY OPERATIONS (06:00 - 06:00 hrs)
			NOTIFIED KCC - DISTRICT 3 OF IMPENDING PLANS TO SPUD WELL. IN ADDITION, KANSAS ONE CALL NOTIFIED.
15:45	16:45	1.00	M I & RU LAYNE CHRISTENSEN RIG.
16:45	19:30	2.75	RIG REPAIR. BENT MAST PIN DURING LAYDOWN.
19:30	22:00	2.50	SPUD WELL AT 20:45 HOURS, 10/17/03. HAMMER 11" HOLE WITH AIR DOWN TO 45' GL.
22:00	22:30	0.50	TOOH AND LAYDOWN DC'S.
22:30	23:00	1.00	RUN 1 JT 8-5/8", 24#/FT, J-55, ST&C, ERW CASING. SURFACE CASING LANDED AT 44' GL.
23:00	00:00	1.00	CEMENT 8-5/8" CASING WITH 12 SACKS PORTLAND CEMENT. LAYNE CHRISTENSEN MIXED CEMENT AND PLACED DOWN THE BACKSIDE. CEMENT TO SURFACE.
00:00	06:00	6.00	W.O.C.
			LAYNE CHRISTENSEN HAVING PROBLEMS WITH CREW CHANGE. DAYLIGHT DRILLER NOT ABLE TO BE TO LOCATION UNTIL LATE SUNDAY EVENING. LAYNE DCHRISTENSEN SHUT DOWN FROM 06:00 HRS, 10/18/03 UNTIL 19:00 HRS, 10/19/03. EXPECTED TO BE SHUT DOWN FOR 37 HOURS.
TOTAL HOURS		14.75	

SUMMARY OF RIG HOURS		
DESC.	DAILY (hrs)	CUM (hrs)
Drill	2.50	2.50
Trip	0.50	0.50
Circulate		
Rig Repair	2.75	2.75
Rig Service		
Dev Survey		
NU / ND		
Cement	1.00	1.00
Run Casing	1.00	1.00
WOC	6.00	6.00
OH Logging		
Mix Mud		
MI & RU	1.00	1.00
Rat Hole		
Mouse Hole		
Fishing		
DST		
CH Logging		
Perforating		
Swab		
Frac		
Acidize		
Other		
TOTALS	14.75	14.75

DESCRIPTION OF DAILY & CUMULATIVE COSTS				
COST CODE	DESCRIPTION OF DAILY COSTS	DAILY (\$)	CUMULATIVE (\$)	AFE (\$)
2030.010	Land, Legal, Title, Survey, Arch, Damages, Permits, Signs	\$ 1,050	\$ 1,050	\$ 2,000
2030.031	Dirtwork, Road, Location, Pits, Liner	\$ 400	\$ 400	\$ 1,200
2030.019	Contract Drilling	\$ 4,600	\$ 4,600	\$ 32,655
2032.001	Water	\$ 100	\$ 100	\$ 1,400
2032.013	Drill Bits, Stabilizers, Reamers			\$ 4,950
2031.046	Cementing and Services			\$ 3,500
2030.053	Coring and Analysis			\$ 20,800
2030.052	Logging			\$ 3,000
2030.054	Mud Logging			\$ 4,800
2030.037	Rental Equipment			\$ 1,000
2030.028	Transportation			\$ 2,250
2030.064	Completion Unit			\$ 3,000
2030.055	Perforating			\$ 1,500
2031.058	Well Stimulation			\$ 5,000
2030.035	Contract Labor	\$ 600	\$ 600	\$ 1,000
2030.022	Engineering / Supervision	\$ 600	\$ 600	\$ 4,200
2030.099	Intangible Miscellaneous and Contingencies			\$ 4,613
2040.001 / 2040.004	Surface and Production Casing	\$ 250	\$ 250	\$ 6,600
2040.007	Tubing			\$ 3,380
2040.023	Float Equipment, Shoes, Centralizers			\$ 1,250
2040.028	Wellhead Equipment			\$ 1,950
2040.016	Bottom Hole Pump / Gas Lift / Other			\$ -
2040.022	Packers, Anchors, Hangers, Etc.			\$ 3,000
2040.052 / 2040.055	Valves and Fittings, Small / Large			\$ 1,500
2040.067	Other Surface Equipment			\$ 2,500
2040.099	Tangible Miscellaneous and Contingencies			\$ 1,009
TOTAL COSTS		\$ 7,600	\$ 7,600	\$ 118,057

**BLUE STAR  
ACID SERVICE, INC.**

PO Box 103  
Eureka, Kansas 67045

Cementing Ticket  
and Invoice Number

**N<sup>o</sup> 5160**

Date 11-18-03 Customer Order No.                      Sect. 20 Twp. 18 Range 23 W Truck Called Out                      On Location 3.20 pm Job Began 3.30 pm Job Completed 4.45 pm  
 Owner Evergreen Resources Inc Contractor Western Well Service Rig 18 Charge To Evergreen Resources Inc  
 Mailing Address 1401 17<sup>th</sup> Street City Denver State CO Zip 80202-1268  
 Well No. & Form Medlin 23-20 WD Place                      County Miami State KANSAS  
 Depth of Well 425' Depth of Job                      Casing (New          / Used         ) Size 5 1/2 Weight                  Size of Hole Amt. and Kind of Cement 8 3/4 Cement Left in casing by                  Request Necessity                  feet  
 Kind of Job TOP OUT SIDE 5 1/2 CASING Drilpipe                  (Rotary) Tubing 1" Cable                  Truck No. #25

Price Reference No. #1  
 Price of Job 500.00  
 Second Stage                       
 Mileage 85 191.25  
 Other Charges                       
 Total Charges 691.25

Remarks Safety meeting, Rig up to 1" Tubing  
BREAK circulation, mix 120 SKs Regular cement  
At 14' perforation, Good cement RETURNS  
to surface. Pull ONE tubing, hole stayed  
full of cement. WASH UP. TEAR DOWN

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Cementer Russell McLeay  
 Helper RICK ALAN District EUREKA State Ks  
 The above job was done under supervision of the owner, operator, or his agent whose signature appears below.

THANK YOU  
*Fred O'Donnell*  
 Agent of contractor or operator  
 Thank you

Sales Ticket for Materials Only

Quantity Sacks	BRAND AND TYPE	PRICE	TOTAL
120	SKs Regular class "A" cement	7.75	930.00
Plugs		Handling & Dumping .50	62.50
	5.87 Ton Mileage 85	.80	399.16
Delivered by Truck No. <u>#16</u>		Sub Total	2082.91
Delivered from <u>Eureka</u>		Discount	
Signature of operator <u>Russell McLeay</u>		Sales Tax <u>6.55%</u>	136.43
		Total	2219.34

Customer E.O.C.	Date 10/25/03	F.R. #	Service Supervisor Ray Decker
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Lease & Well Name – MEDLIN 23-20 WD	Location 18S23ESEC20	County – Parish – Block MIAMI COUNTY
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District	Drilling Contractor Rig # LAYNE	Type of Job 5 1/2 Longstring
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Size & Types of Plugs		List – CSG - Hardware	Physical Slurry Properties					
Top	5 1/2 Top Rubber	13 CENTRALIZERS	Slurry WGT PPG	Slurry YLD Ft <sup>3</sup>	Water GPS	Pump Time Hr:Min	Std Slurry	Std Mix Water
Btm		1 – ES – R TOOL/PACKER						

Materials Furnished								
341 SKS Vermejo			13.3	1.45	9.76			
2 lbs red dye								

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Available mix fluid	Bbl.	Available Displ. Fluid	Bbl.	Total
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Hole			TBG-CSG-D.P.			TBG-CSG-D.P.			Collar Depths			
Size	% Excess	DepthH	Size	WGT	Type	Depth	Size	WGT	Type	Depth	Shoe	Float
7 7/8		2139	5 1/2	15.5.#		2042						

Last Casing				Pkr - Cmt Ret – Br PI - Liner			Perf Depth		Top Conn		Well Fluid		
Csg.	WGT	Type	Depth	Brand & Type			Depth	Top	Btm	Size	Thread	Type	WGT
8 5/8	24#		44'	ECP			1303			5 1/2	8rd	H20	8.33

Cal Displ Vol – Bbl 31 BBL.				Cal Psi	Cal Max Psi	OP Max 2500 PSI	Max Tbg PSI	Max Csg PSI	Displ Fluid	Water			
TBG	CSG	CSG	Total	Bump Plug	To Rev	SQ PSI	Rated	OP	Rate d	OP	Type	WGT	Source
						2500 PSI					H2o	8.33	Tank

Explanation: WELL DID NOT CIRCULATE. DID BUMP PLUG.

Pressure/Rate Detail						Explanation	
Time HR:Min	Pressure – PSI		Rate BPM	Bbl Fluid Pumped	Fluid Type	Safety Meeting: Crew x Co. Rep x	
	Pipe	Annulus				Testing Lines Psi 2000	
1300						RIG UP / DROP BALL	
1345	850		2	5	H20	PRESSURE UP / SET PACKER / OPEN MANDRELL	
1357	75		3.5	88	CMT	PUMP CMT. @ 13.3 PPG	
1430	375		3.5	31	H20	PUMP DISPLACEMENT	
1440	1000				H20	BUMPED PLUG	
						10 BBLS – 150 PSI	
						20 BBLS – 270 PSI	
						30 BBLS – 375 PSI	

Bumped Plug	PSI to Bump Plug	Test Float Equip	Bbl CMT Returns/ Reversed	Total Bbl Pumped	PSI Left On CSG	Spot Top Cement	Serv. Supv.  Ray Decker
Y	1000	Y	0 BBL	124 BBL	0	N	

**RECEIVED** Professional Energy Services  
9402 Kessler Lane  
Shawnee Mission, KS 66212  
Ph.913.341.7434  
**FEB 17 2004**  
**KCC WICHITA**

**GEOLOGICAL REPORT**

Operator: **EVERGREEN OPERATING CORPORATION**

Project: Osawatomie Well Name: Medlin # 23-20 WD

Location: Ap. SW NE SW - 1800' FSL and 1560' FWL

Sec. 20-T18S-R23E County: Linn State: Kansas

All measurements GL: 869 API: 107-23759-00-00

Company: Director of Geology: Mr. Chris Cornelius

Company: Director of Operations: Mr. Dan McGee

Company: Sr. Operations Engineer: Mr. Tom Erwin

Professional Energy Services: Geologist: Rich Robba

Drilling Superintendent: Drew Friedrichs

Patterson Logging: Roger Taylor

Drilling Contractor: Layne Christensen Company

Terra Tek: Desorption: Technician Chip DeVaney

Geosearch Logging: Mudlogger: Pat Andrews

Commenced: 10/17/03 Completed: 10/25/03

This geological report is prepared for **EVERGREEN OPERATING CORPORATION**. Wellsite geological supervision was conducted from surface to TD. This well was air drilled to core point and continuous cored from the Marmaton to the Mississippi. The Medlin #23-20 WD was deepened through the Arbuckle. ROP, gas curves and sample descriptions from mud rotary chips are recorded on the mud log and formation tops and visual core recovery descriptions are listed below.

Medlin 23-20 WD

Formation E-Log Tops

Stark Shale:	73'	Mississippi:	819'
B/Kansas City:	123'	Kinderhook	1195'
Altamount:	294'	Hunton	1245'
Core Point:	322'	Arbuckle	1300'
Summit:	434'	Granite Wash	2096'
Excello:	449'	RTD:	2139'
VShale:	565'	LTD:	2131'
Tebo Shale:	616'		

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EVERGREEN OPERATION CORP.  
Medlin 23-20 WD Geological Report  
Page 2 of 3

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Coal Intersections E-Log

Canister	Name	Depth	Canister	Name	Depth
Not cored	Dawson	264.3-265.9	DS#9	Croweburg	569.9-570.3
DS#1 & 2	Mulberry	349.9-351.9	DS#10	Fleming	581.9-582.3
DS#3	Coal Shale	351.9-352.8	DS#11	Fleming	586-587
DS#4	Coal shale	380.8-381.8	DS#12	Mineral	598.2-599.4
No DS	Lexington	389.9-390.3	DS#13 & 14	Tebo CSh	628.4-630.2
DS#5 & 6	Summitt	437.9-439.9	DS#15	Bluejacket	679.7-680.1
DS#7	Bevier	549.8-550.8	DS#16	Drywood	728.1-728.8
DS#8	VShale	566-567.2	DS#17	Rowe	742.6-743.6
			DS#18	Riverton	816-817.3

Visual Core Sample Descriptions

323-350 Shale lt and dkgy, v low organic content.  
350-353 Coal, gassey, bright, low density and vshly at base.  
353-356 Underclay dkgr-gy, soft.  
356-361 Limestone, micro-vfnxn, brn-tan, sli foss w/ small pcs blk. carb sh. incl.  
361-367 Shale, gy-gr, vlm, w/ parts shly.  
367-377 Shale, blk, low-med. carb. inc towards base, pasty.  
377-381 Limestone, vfnxn, tan-brn, sli foss and shly.  
381-382 Coal, vshly, pshogas.  
382-391 Shale, vdkgy-blk, med. organics w/ 4" coal band, noshogas.  
391-395 Limestone, fn-medxn, w/ evenly spaced dkgy sh seasonal varves.  
395-397 Mudstone, gy, soft.  
397-403 Limestone, medxn, vfoss, shly.  
403-410 Limestone, brecciated, w/ ltgy shale.  
410-418 Limestone, fnxn, wh-gy, chky.  
418-429 Shale, blk, low-med organics, soft, sli lmy in part.  
429-435 Limestone, microxn, dkgy, slifoss w/ 4"-6" csh, v organic rich.  
435-437 Coal, shly, p-fsho outgassing, dull-bright.  
437-441 Underclay, well developed, gy.  
441-446 Shale, gr w/ many pcs bkn foss.  
446-452 Shale, gr, foss, w/ 1' carb blk sh. med organics.  
452-454 Underclay, gr-gy, pasty in texture.  
454-458 Shale, aqua w/ ltgy sh layering thin beds.  
458-468 Shale, gr w/ 1/2"-2" ss layers, fshofo, fshogas, vfnxn, well sorted, rnd.  
468-477 Shale, gr, sli sdy w/ brn and gy sh occ bands.  
477-501 Shale, gy, w/ dkgy layer, v low organics.  
501-527 Sandstone, fn-medgn, gy, psorted, sub ang., v thin occ dkgy sh layers w/ slumping.  
527-549 Shale, gy w/ vltgy sh bands.  
549-551 Shale, blk, fissile w/ pyr., organic rich.  
551-552 Coal, sli shly, fshogas, gd frac, bright.  
552-560 Underclay, well devel., coarse tex. w/ 1' layer w/ ls pebbles.

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Core Sample Descriptions

560-566 Shale, blk w/ low to rare med organics, ltgy-crm 1" sh bands.  
566-567 Coal Shale, pshogas, dull.  
567-569 Shale, blk, med organics grading to sh gy, p devel underclay.  
569-570 Coal, blk, bright, fsho outgassing.  
570-576 Underclay, gy, soft, well devel.  
576-578 Shale, dkgy, sli sdy.  
578-581 Mudstone, blk-gy w/ low organics.  
581-582 Coal, dull-bright, pshogas.  
582-586 Shale, dkgy w/ ¼" csh or coal layers, trc gas.  
586-587 Coal, shly, fshogas.  
587-595 Shale, ltgy w/ bkn pcs carb blk sh.  
595-598 Shale, blk, fissile, frac, med to organic rich.  
598-600 Coal w/ .2 sh seam in between.  
600-605 Underclay, gy, coarse tex., f develop.  
605-629 Shale, gy w/ thin dkgy layers at top, 6" blk sh med organics towards base w/ shells.  
629-630 Coal, blk, sli shly, med density, fshogas.  
630-635 Sh dkgy and gr. pyr. f develop. underclay.  
635-651 Siltstone, lt and dk gy-gr w/ carb sh 4"-6" bands.  
651-664 Shale, dkgy, blk w/ low to med. organics.  
664-670 Sandstone, fngn, silty and shly, ltgy-ltgr, p-f intergn por., ns.  
670-674 Shale, ltgy vsdy in part w/ rare ½" coal bands.  
674-679 Shale, blk, fissile.  
679-680 Coal, blk, shly, fshogas.  
680-683 Siltstone, gy, shly.  
683-721 Shale, vdkgy to blk w/ low to med. organics.  
721-727 Sandstone, fngn, gr w/ v organic rich thin beds.  
727-728 Coal, blk, bright, low density, pshogas.  
728-742 Siltstone, ltgy w/ vsdy sections w/ inc blk carb at base.  
742-743 Coal, low density, pyr. pshogas.  
743-747 Sandstone, fngn, blk, v carb rich.  
747-751 Siltstone, ltgy, shly, w/ bkn pcs sh blk.  
751-769 Shale, blk w/ brn-gy 1" bands low-med organics, noshogas.  
769-774 Shale, blk, dkgy, 2"-4" coal bands, trc gas in sh, vpshogas coal.  
774-790 Sandstone, vfngn, ltgy, vshly to sh, gy, sdy.  
790-816 Shale, dkgy, v low organics, slisdy.  
816-818 Coal, pshogas, shly, v pyr.  
818-820 Limestone, micro-vfnxln, tan, sli foss, v rare pcs chert.

Respectfully submitted,

Richard A. Robba, PG  
Director of Operations  
Professional Energy Services