

(+) DENOTES LOCATION OF WELL ON 7.5' TOPOGRAPHIC MAP
 ALL BOUNDARY LINES ARE APPROXIMATE (NOT SURVEYED)

REFERENCES	SCALE 1"=100'
WELL COORDINATES WV STATE PLANE SOUTH ZONE NAD 1927 N. 104974.36 E. 1757642.09	

TEE Engineering Company, Inc.
 320 Cutlers Hill Court
 Lexington, KY 40509
 (859) 263-5350
 Fax (859) 263-5345

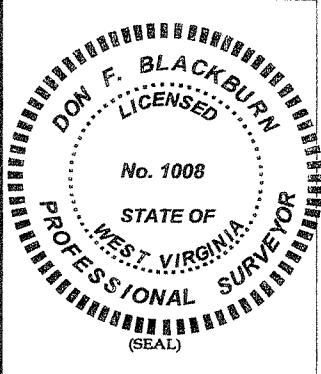
GeoMet Operating Company, Inc.
 Well No. 170 WV-G23 ROGERS

FILE NO. 1883-08/2008 WELLS
 DRAWING NO. ROGERS 170
 SCALE: 1" = 2,000'
 MIN. DEGREE OF ACCURACY 1 : 2,500
 PROVEN SOURCE OF ELEVATION
 GPS STATION TEC-1 (ELEV. 2406.60)

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.

Don F. Blackburn
 (SIGNATURE)

R.P.E. _____ R.P.S. 1008



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS

DATE MARCH 11, 2008
 OPERATOR'S WELL NO. 170 WV-G23 ROGERS
 API WELL NO. 47 - 047 - 02557C
 STATE - COUNTY PERMIT

WELL TYPE: OIL GAS X CBM LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 2,358.40' NORTHING 104974.36 EASTING 1757642.09
 DISTRICT SANDY RIVER WATER SHED MIDDLE FORK OF BRADSHAW CREEK
 QUADRANGLE BRADSHAW COUNTY McDOWELL

SURFACE OWNER RAY RIFE, HASSELL RIFE, CARL KENNEDY ACREAGE _____
 CBM ROYALTY OWNER LBR HOLDINGS, LLC LEASE ACREAGE 3,836.13
 LEASE NO. RECORDING IN PROGRESS

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR
 STIMULATE PLUG OFF OLD FORMATION PEFORATE NEW
 FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG

TARGET FORMATION NEW RIVER AND POCAHONTAS COALS ESTIMATED DEPTH 2,123'
 WELL OPERATOR GEOMET OPERATING COMPANY, INC. DESIGNATED AGENT CT CORPORATION SYSTEM
 ADDRESS 5336 STADIUM TRACE PARKWAY SUITE 206 ADDRESS 707 VA. STREET EAST
BIRMINGHAM, ALABAMA 35244 CHARLESTON, WV 25301

McDOWELL 2557C

WR-35
Rev (5-01)

DATE: September 8, 2008
API #: 47-4702557

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

Well Operator's Report of Well Work

FARM NAME: Ray & Hassel Rife

OPERATOR WELL NO.: Rogers 170 WV-G23

LOCATION:

Elevation: 2,358.4'

Quadrangle: Bradshaw

RECEIVED
Office of Oil & Gas

District: Sandy River

County: McDowell

SEP 10 2008

Latitude: 12,019.61' Feet

South of 37 Deg. 17 Min. 30 Sec.

WV Department of
Environmental Protection

Longitude: 2,322.83' Feet

West of 81 Deg. 47 Min. 30 Sec.

Company: <u>GeoMet Operating Company</u>	Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. Ft.
Address: 5336 Stadium Trace Parkway, Suite 206 Birmingham, Alabama 35244	13-3/8"	16'	16'	
Agent: Ryan Carter				
Inspector: Barry Stollings	8-5/8"	632'	632'	142/Pumped 198
Date Permit Issued: May 23, 2008				
Date Well Work Commenced: August 8, 2008	5-1/2"	2,118'	2,118'	367/Pumped 442
Date Well Work Completed: August 29, 2008				
Verbal Plugging:				
Date Permission granted on:				
Rotary XXXX Cable Rig				
Total Depth (feet): 2,145'				
Fresh Water Depth (feet): Unknown				
Salt Water Depth (feet): Unknown				
Is coal being mined in area (N/Y)? No				

Coal Depths (feet): 640.31, 649.65, 796.83, 882.01, 889.45, 915.97, 963.25, 993.45, 1066.5, 1098.8, 1350.6, 1373.9, 1395.4, 1438.9, 1504, 1580.3, 1619.3, 1640.5, 1706.9, 1728.4, 1794.8

OPEN FLOW DATA

Producing formation All Zones Commingled Pay zone depth (ft) _____
Gas: Initial Open Flow 5 MCF/d Oil: Initial Open Flow _____ Bbl/d
Final Open Flow N/A MCF/d Final Open Flow _____ Bbl/d
Time of Open Flow between initial and final tests N/A Hours
Static Rock Pressure 72 psig (surface pressure) after 96 Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS. INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

SIGNED:

BY:

DATE:

[Signature]
Ram Rife
9/15/2008

DEC 05 2008

McDOW 25570

**GeoMet Operating Company, Inc.
Perforation and Frac Volume Specification**

Well Name: ROGERS 170	PBTD: 2116
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**Used Rubber balls on all ball outs
Formation Type: Pennsylvanian
Zone and Perforation Table**

Perforating: 6 shots per foot 60 degree phasing with 37" of penetration

							D A T E
Stage 1 Interval		HBP			Est Sand Weight	Actual Sand Weight	
N2 Scf	197,000	SCF	1705-1707	1727-1729			
Acid	500	GAL	1793-1795		20,000	19,900	
Gel Volume	4,149	GAL	36 Perf HOLES Balled out w/ 36 perf balls BRIDGE PLUG @ 1658				
ISIP	1,416	PSI					
ATP	2,399	PSI					
AIR	21	BPM					
Stage 2 Interval		HBP			Est Sand Weight	Actual Sand Weight	
N2 Scf	215,000	SCF	1578-1580	1618.5-1620.5			
Acid	500	GAL	1638.5-1640.5		25,000	25,700	
Gel Volume	4,700	GAL	36 Perf HOLES Balled out w/ 36 perf balls BRIDGE PLUG @ 1514				
ISIP	1,281	PSI					
ATP	2,668	PSI					
AIR	28	BPM					
Stage 3 Interval		HBP			Est Sand Weight	Actual Sand Weight	
N2 Scf	157,000	SCF	1413-1415	1437.5-1430.5			
Acid	500	GAL	1501.5-1503.5		17,500	18,200	
Gel Volume	4,059	GAL	36 Perf HOLES Balled out w/ 36 perf balls BRIDGE PLUG @ 1407				
ISIP	1,247	PSI					
ATP	3,344	PSI					
AIR	17	BPM					
Stage 4 Interval		HBP			Est Sand Weight	Actual Sand Weight	
N2 Scf	315,000	SCF	1349-1352	1372.5-1374.5			
Acid	500	GAL	1395-1397		45,000	44,700	
Gel Volume	7,222	GAL	42 Perf holes Balled out w/ 42 perf balls BRIDGE PLUG @ 1111				
ISIP	1,366	PSI					
ATP	2,702	PSI					
AIR	29	BPM					
Stage 5 Interval		HBP			Est Sand Weight	Actual Sand Weight	
N2 Scf	105,000	SCF	1098.5-1100.5				
Acid	500	GAL	1066-1068		15,000	14,400	
Gel Volume	2,259	GAL	24 Perf holes Balled out w/ 24 perf balls BRIDGE PLUG @ 1007				
ISIP	1,358	PSI					
ATP	2,964	PSI					
AIR	22	BPM					

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8005 6 0 030

Well Name ROGERS 170

PBTD 2116

Zone and Perforation Table

Stage 6 Interval		HBP			Est Sand Weight	Actual Sand Weight
N2 Scf	119,000	SCF				
Acid	250	GAL	993.5-996.5		15,000	15,300
Gel Volume	2,677	GAL	18 Perf holes			
ISIP	1,425	PSI	BRIDGE PLUG @			
ATP	2,854	PSI	979			
AIR	24	BPM				
Stage 7 Interval		HBP			Est Sand Weight	Actual Sand Weight
N2 Scf	120,000	SCF	881.5-883.5	889-891		
Acid	500	GAL	961.5-963.5	914.5-917.5	17,500	19,300
Gel Volume	2,321	GAL	54 Perf holes			
ISIP	1,132	PSI	Balled out w/ 54 perf balls			
ATP	2,432	PSI	BRIDGE PLUG @			
AIR	31	BPM	0			

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McDOW 2557C

COMPANY GEOEMT
 HOLE ROGERS 170
 RIG #: 14
 LOCATION: THREE FORK ROAD
 DATE STARTED: 8/8/2008
 DATE COMPLETED: 8/12/2008
 ELECTRIC LOGGED: YES
 GROUTED: YES

DEPTH FROM	THICKNESS TO	FT	STRATA DESCRIPTION, VOIDS ETC.
0	34		34 OVERBURDEN
34	65		31 SAND
65	95		30 SAND / SANDY SHALE
95	125		30 SAND / SANDY SHALE
125	155		30 SAND / SANDY SHALE / COAL
155	185		30 SAND / SANDY SHALE / COAL
185	215		30 SAND / SANDY SHALE
215	245		30 SAND / SANDY SHALE / COAL
245	275		30 SAND / SANDY SHALE / COAL
275	305		30 SAND / SANDY SHALE
305	335		30 SAND / SANDY SHALE
335	365		30 SAND / SANDY SHALE
365	395		30 SAND / SANDY SHALE
395	425		30 SAND / SANDY SHALE / COAL
425	455		30 SAND / SANDY SHALE / COAL
455	485		30 SAND / SANDY SHALE
485	515		30 SAND / SANDY SHALE
515	545		30 SAND / SANDY SHALE
545	575		30 SAND / SANDY SHALE
575	605		30 SAND / SANDY SHALE
605	635		30 SAND / SANDY SHALE / COAL
635	650		15 SAND / SANDY SHALE
650	670		20 SAND / SANDY SHALE
670	700		30 SAND / SANDY SHALE
700	730		30 SAND / SANDY SHALE
730	760		30 SAND / SANDY SHALE / COAL
760	790		30 SAND / SANDY SHALE
790	820		30 SAND / SANDY SHALE / COAL
820	850		30 SAND / SANDY SHALE / COAL
850	880		30 SAND / SANDY SHALE / COAL
880	910		30 SAND / SANDY SHALE
910	940		30 SAND / SANDY SHALE / COAL
940	970		30 SAND / SANDY SHALE

970	1000	30 SAND / SANDY SHALE
1000	1030	30 SAND / SANDY SHALE
1030	1060	30 SAND / SANDY SHALE
1060	1090	30 SAND / SANDY SHALE / COAL
1090	1120	30 SAND / SANDY SHALE
1120	1150	30 SAND / SANDY SHALE / COAL
1150	1180	30 SAND / SANDY SHALE / COAL
1180	1210	30 SAND / SANDY SHALE
1210	1240	30 SAND / SANDY SHALE
1240	1270	30 SAND / SANDY SHALE / COAL
1270	1300	30 SAND / SANDY SHALE
1300	1330	30 SAND / SANDY SHALE / COAL
1330	1360	30 SAND / SANDY SHALE / COAL
1360	1390	30 SAND / SANDY SHALE
1390	1420	30 SAND / SANDY SHALE / COAL
1420	1450	30 SAND / SANDY SHALE / COAL
1450	1480	30 SAND / SANDY SHALE
1480	1510	30 SAND / SANDY SHALE / COAL
1510	1540	30 SAND / SANDY SHALE
1540	1570	30 SAND / SANDY SHALE
1570	1600	30 SAND / SANDY SHALE
1600	1630	30 SAND / SANDY SHALE
1630	1660	30 SAND / SANDY SHALE / COAL
1660	1690	30 SAND / SANDY SHALE
1690	1720	30 SAND / SANDY SHALE
1720	1750	30 SAND / SANDY SHALE
1750	1780	30 SAND / SANDY SHALE / COAL
1780	1810	30 SAND / SANDY SHALE / COAL
1810	1840	30 SAND / SANDY SHALE / COAL
1840	1870	30 SAND / SANDY SHALE
1870	1900	30 SAND / SANDY SHALE
1900	1930	30 SAND / SANDY SHALE
1930	1960	30 SAND / SANDY SHALE
1960	1990	30 SAND / SANDY SHALE
1990	2020	30 SAND / SANDY SHALE
2020	2050	30 SAND / SANDY SHALE
2050	2080	30 SAND / SANDY SHALE
2080	2110	30 SAND / SANDY SHALE
2110	2140	30 SAND / RED SHALE

2140' TOTAL DEPTH
34' OF 13 3/8" CASING
632.05' OF 8 5/8" CASING
2118.3' OF 5 1/2" CASING

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