

(+) DENOTES LOCATION OF WELL ON 7.5' TOPOGRAPHIC MAP

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

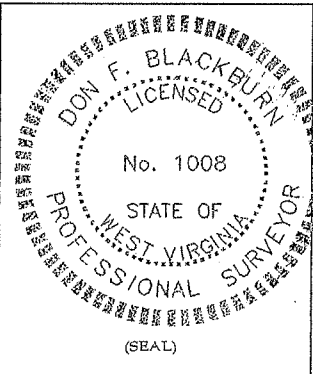
GeoMet Operating Company, Inc.
 Well No. **ROGERS 98-104-178**

FILE NO. 1883-08/2005 WELLS
 DRAWING NO. WELL ROGERS 178 PLAT
 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, 2005
 OPERATOR'S WELL NO. ROGERS 98-104-178

API WELL NO. 47 - 047 - 02050C
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 2,035.18' NORTHING 108077.45 EASTING 1752481.01
 DISTRICT SANDY RIVER WATER SHED MIDDLE FORK OF BRADSHAW CREEK
 QUADRANGLE BRADSHAW COUNTY MCDOWELL

SURFACE OWNER LBR HOLDINGS, LLC 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 PERFORATE NEW
 FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____

TARGET FORMATION NEW RIVER AND POCAHONTAS COALS ESTIMATED DEPTH 1833.18'
 WELL OPERATOR GEOMET OPERATING COMPANY, INC. DESIGNATED AGENT KERRY HILL
 ADDRESS 5336 STADIUM TRACE PARKWAY SUITE 206 ADDRESS 330 HARPER PARK DRIVE SUITE A
BIRMINGHAM, ALABAMA 35244 BECKLEY, WV 25801

McDOW 2050 C

66(350)

APR 22 2005

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

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Well Operator's Report of Well Work

FARM NAME: Nancy Wimmer OPERATOR WELL NO.: PC 98-104-178

LOCATION:

Elevation: 2,035.18' Quadrangle: Bradshaw

District: Sandy River County: McDowell
Latitude: 5.086 Feet South of 37 Deg. 20 Min. 00 Sec.
Longitude: 14.438 Feet West of 81 Deg. 50 Min. 00 Sec.

Company: <u>GeoMet Operating Company</u>	Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. Ft.
Address: <u>5336 Stadium Trace Parkway, Suite 206 Birmingham, Alabama 35244</u>	<u>13-3/8"</u>	<u>16'</u>	<u>16'</u>	
Agent: <u>Gregg Cleary</u>				
Inspector: <u>Bill Hatfield</u>	<u>8-5/8"</u>	<u>345'</u>	<u>345'</u>	<u>77/Pumped 120</u>
Date Permit Issued: <u>April 19, 2005</u>				
Date Well Work Commenced: <u>May 17, 2005</u>	<u>5-1/2</u>	<u>1808'</u>	<u>1808'</u>	<u>313/Pumped 195</u>
Date Well Work Completed: <u>May 27, 2005</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>XXXX</u> Cable <u> </u> Rig <u> </u>				
Total Depth (feet): <u>1835'</u>				
Fresh Water Depth (feet): <u>Unknown</u>				
Salt Water Depth (feet): <u>Unknown</u>				
Is coal being mined in area (N/Y)? <u>No</u>				

RECEIVED
Office of Oil & Gas
Office of Chief
JUN 22 2005
WV Department of
Environmental Protection

Coal Depths (feet): 394, 424, 578, 668, 691, 766, 802, 841, 881, 955, 1096, 1103, 1124, 1181, 1223, 1293, 1336, 1360, 1373, 1376, 1398, 1428, 1452, 1485, 1487, 1514, 1564, 1596, 1719

OPEN FLOW DATA

Producing formation All Zones Commingled Pay zone depth (ft) _____
Gas: Initial Open Flow 7 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 105 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: *R. B. Conner*
BY: *Karen Rye*
DATE: *June 15, 2005*

SEP 02 2005

McDow 2050

DRILL DATA HOLE-NOAH HORN WELL DRILLING, INC

COMPANY: GEOMET

HOLE #: 178

LOCATION: THREE FORKS

DRILL RIG #: 45

DATE STARTED: 05-16-05

DATED COMPLETED: 05-19-05

ELECTRIC LOGGED: YES

GROUTED: YES

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT	DESCRIPTION, VOIDS ETC	
0	16	16	OVERBURDEN 16' W/ 13 3/8" CASING	
16	35	19	SAND STONE/SANDY SHALE	
35	155	120	SAND STONE	
155	185	30	SANDY SHALE	
185	215	30	SANDY SHALE/SAND STONE	
215	245	30	SAND STONE	
245	275	30	SANDY SHALE/COAL	
275	305	30	SAND/SHALE/COAL	
305	335	30	SAND/SHALE	
335	365	30	SAND/SHALE/COAL	
			345.35' W/ 8 5/8" CASING	
365	395	30	SAND/SHALE	
395	420	25	CEMENT/SANDY SHALE	
420	450	30	COAL/SANDY SHALE	
450	480	30	SAND STONE	
480	510	30	SAND STONE/SANDY SHALE	
510	600	90	SANDY SHALE	
600	660	60	SAND STONE	
660	690	30	SANDY SHALE/COAL	
690	720	30	SANDY SHALE/SAND STONE	
720	750	30	SAND STONE	
750	780	30	SAND STONE/SANDY SHALE	
780	840	60	SANDY SHALE/COAL	
840	900	60	SANDY SHALE	
900	960	60	SAND/SHALE/COAL	
960	1020	60	SANDY SHALE	
1020	1110	90	SAND/SHALE/COAL	
1110	1140	30	SAND/SHALE	
1140	1170	30	SAND/SHALE/COAL	
1170	1200	30	SANDY SHALE	
1200	1230	30	SAND/SHALE/COAL	
1230	1260	30	SANDY SHALE	
1260	1290	30	SANDY SHALE/COAL	
1290	1350	60	SANDY SHALE	
1350	1410	60	SAND/SHALE/COAL	
1410	1560	150	SAND/SHALE/COAL	
1560	1590	30	SANDY SHALE	
1590	1620	30	SAND/SHALE/COAL	
1620	1650	30	SANDY SHALE	
1650	1680	30	SAND/SHALE/COAL	
1680	1710	30	SANDY SHALE/COAL	
1710	1740	30	SAND/SHALE/COAL	

SEP 02 2005

1740

1835

95

SANDY SHALE

1808.05' W/ 5 1/2" CASING

1835.00 FT. TOTAL DEPTH

16.00 FT. OF 13 3/8" CASING

345.35 FT. OF 8 5/8" CASING

1808.05 FT. OF 5 1/2" CASING

Mc Dow 2050

SEP 02, 2005

SEP 02 2005

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

Well Name Rogers 178

PBTD

1835

Zone and Perforation Table

Frac	1563-1565		Ball Out Yes	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
	1595	1597				
Stage 1 Interval						
N2 Scf	253,000		1605-1607		20,000	20,500
Acid	250		Ball out			
Gel Volume	4,242					
ISIP	1,450		Bridge Plug			
ATP	2,523		1540'			
AIR	27.5	BPM				
Stage 2 Interval	1,426	1428			25,000	27,000
N2 Scf	282,000		1451-1453	1483-1486		
Acid	500		1506-1508			
Gel Volume	6,972		Ball Out			
ISIP	1,307		Bridge Plug			
ATP	2,534		1410'			
AIR	27 1/2	BPM				
Stage 3 Interval	1,363	1365			25,000	20,500
N2 Scf	299,000		1373-1374	1376-1378		
Acid	500		1397-1399			
Gel Volume	6,300		Ball Out			
ISIP	1,415		Bridge Plug			
ATP	2,809		1320'			
AIR	31	BPM				
Stage 4 Interval	1,180	1182			20,000	20,600
N2 Scf	278,000		1222-1224	1292-1294		
Acid	500					
Gel Volume	5,000		Ball Out			
ISIP	1,462		Bridge Plug			
ATP	2,855		1150'			
AIR	28	BPM				
Stage 5 Interval	1,123	1126			20,000	19,000
N2 Scf	215,000					
Acid	250					
Gel Volume	4,700		Ball Out			
ISIP	1,838		Bridge Plug			
ATP	2,402		980'			
AIR	27	BPM				

Well Name ROGERS 178

PBTD

1835

Zone and Perforation Table

Stage Interval	800	802	Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
Stage 6 Interval	800	802				
N2 Scf	259,000		840-842	880-882	20,000	20,500
Acid	500			955-957		
Gel Volume	4,326			Ball Out		
ISIP	1,159			Bridge Plug		
ATP	2,801			780'		
AIR	30	BPM				
Stage 7 Interval	666	670			15,000	13,500
N2 Scf	209,000		684-685	765-766		
Acid	500					
Gel Volume	4,116			Ball Out		
ISIP						
ATP	3,258			No Bridge Plug		
AIR	29	BPM				
Stage 8 Interval						
N2 Scf						
Acid						
Gel Volume						
ISIP						
ATP						
AIR		BPM				
Stage 9 Interval						
N2 Scf						
Acid						
Gel Volume						
ISIP						
ATP						
AIR		BPM				
Stage 10 Interval						
N2 Scf						
Acid						
Gel Volume						
ISIP						
ATP						
AIR						

McDermott 2050