

**TEE Engineering Company, Inc.**

320 Caters Hill Court  
Lexington, KY 40509  
(859) 263-5350  
Fax (859) 263-5345



P.O. Box 219  
Sturville, KY 41659  
(606) 478-9024  
Fax (606) 478-9019

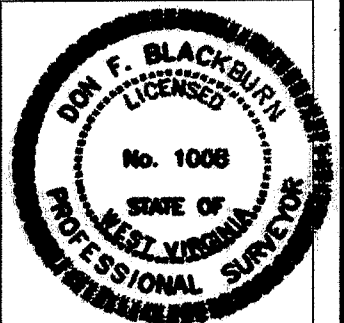
**GeoMet Operating Company, Inc.**  
Well No. ROGERS 100-103-171

FILE NO. 1883-08/2005 WELLS  
DRAWING NO. WELL ROGERS 171 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



(SEAL)

**STATE OF WEST VIRGINIA**

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

DATE APRIL 6, 2005

OPERATOR'S WELL NO. ROGERS 100-103-171

API WELL NO. 47 - 047 - 020630  
STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_\_\_ GAS X CBM \_\_\_\_\_ LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
(IF "GAS") PRODUCTION X STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW \_\_\_\_\_  
LOCATION: ELEVATION 2,429.26 \_\_\_\_\_ NORTHING 105587.46 \_\_\_\_\_ EASTING 1755822.85  
DISTRICT SANDY RIVER \_\_\_\_\_ WATER SHED MIDDLE FORK OF BRADSHAW CREEK  
QUADRANGLE BRADSHAW \_\_\_\_\_ COUNTY McDOWELL

SURFACE OWNER TROY WIMMER \_\_\_\_\_ ACREAGE \_\_\_\_\_  
CBM ROYALTY OWNER LBR HOLDINGS, LLC \_\_\_\_\_ LEASE ACREAGE 3,836.13

LEASE NO. RECORDING IN PROGRESS

PROPOSED WORK: DRILL X CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR  
STIMULATE X 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 2,195.26'  
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

MAY 20 2005

6-6(350)

McDOW 020630

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

Well Operator's Report of Well Work

FARM NAME: Troy Wimmer

OPERATOR WELL NO.: PC 100-103-171

LOCATION:

Elevation: 2,429.26'

Quadrangle: Bradshaw

District: Sandy River

County: McDowell

Latitude: 1,722 Feet South of 37 Deg. 17 Min. 30 Sec.

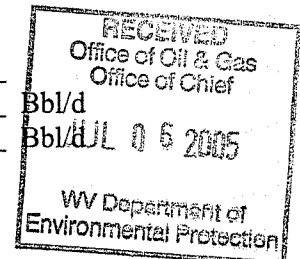
Longitude: 1726 Feet West of 81 Deg. 50 Min. 00 Sec.

Company: <u>GeoMet Operating Company</u>	Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. Ft.
Address: 5336 Stadium Trace Parkway, Suite 206 Birmingham, Alabama 35244	16"	16'	16'	
Agent: <u>Gregg Cleary</u>				
Inspector: <u>Bill Hatfield</u>	11-3/4"	450'	450'	270/Pumped 264
Date Permit Issued: <u>May 17, 2005</u>				
Date Well Work Commenced: <u>June 6, 2005</u>	8-5/8	648'	648'	146/Pumped 306
Date Well Work Completed: <u>June 18, 2005</u>				
Verbal Plugging:	5-1/2"	2199'	2199'	381/Pumped 228
Date Permission granted on:				
Rotary XXXX Cable Rig				
Total Depth (feet): <u>2205'</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>				

Coal Depths (feet): 741, 904, 999, 1003, 1026, 1101, 1170, 1205, 1317, 1460, 1480, 1502, 1503, 1556, 1559, 1600, 1620, 1694, 1702, 1734, 1747, 1755, 1788, 1804, 1881, 1915, 1930, 2055, 2061, 2079

OPEN FLOW DATA

Producing formation All Zones Commingled Pay zone depth (ft) \_\_\_\_\_  
Gas: Initial Open Flow 40 MCF/d Oil: Initial Open Flow \_\_\_\_\_  
Final Open Flow N/A MCF/d Final Open Flow \_\_\_\_\_  
Time of Open Flow between initial and final tests N/A Hours  
Static Rock Pressure 107 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: [Signature]  
BY: Karen Aye  
DATE: June 28, 2005

*McDow 2005*

SEP 02 2005

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## DRILL DATA HOLE-NOAH HORN WELL DRILLING, INC

COMPANY: GEOMET

HOLE #: #171

LOCATION: COMPTON MTN

DRILL RIG #: 76

DATE STARTED: 06-06-05

DATED COMPLETED: 06-13-05

ELECTRIC LOGGED: YES

GROUTED: YES

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT	DESCRIPTION, VOIDS ETC	
0	4	4	OVERBURDEN	
4	25	21	SAND STONE 16' W/ 16" CASING	
25	85	60	SAND/SHALE/COAL	
85	115	30	SANDY SHALE	
115	175	60	SAND/SHALE/COAL	
175	205	30	SAND	
205	235	30	SANDY SHALE	
235	265	30	SAND/SHALE/COAL	
265	295	30	SANDY SHALE	
295	325	30	SAND STONE/COAL	
325	385	60	SAND STONE	
385	415	30	SANDY SHALE	
415	450	35	SAND STONE	
450	480	30	SANDY SHALE 450' W/ 11 3/4" CASING	
480	510	30	SAND	
510	570	60	SAND/SHALE/COAL	
570	600	30	SANDY SHALE	
600	630	30	SAND	
630	650	20	SANDY SHALE 648' W/ 8 5/8" CASING	
650	660	10		
660	690	30	SAND STONE	
690	720	30	SANDY SHALE	
720	750	30	SAND STONE/SANDY SHALE	
750	810	60	SAND STONE	
810	840	30	SAND STONE/SANDY SHALE	
840	870	30	SANDY SHALE	
870	960	90	SAND STONE	
960	990	30	SAND STONE/COAL	
990	1020	30	SANDY SHALE/COAL	
1020	1050	30	SANDY SHALE/SAND STONE	
1050	1110	60	SANDY SHALE	
1110	1140	30	SAND STONE	
1140	1230	90	SANDY SHALE	
1230	1260	30	SANDY SHALE/COAL	
1260	1290	30	SANDY SHALE/SAND STONE	
1290	1350	60	SAND STONE	
1350	1380	30	SAND STONE/SANDY SHALE	
1380	1440	60	SAND STONE	
1440	1470	30	SANDY SHALE/COAL	
1470	1500	30	SANDY SHALE	
1500	1530	30	SANDY SHALE	
1530	1560	30	SAND/SHALE/COAL	

1560	1590	30	SANDY SHALE
1590	1620	30	SANDY SHALE/COAL
1620	1650	30	SAND/SHALE/COAL
1650	1680	30	SANDY SHALE
1680	1740	60	SAND/SHALE/COAL
1740	1770	30	SANDY SHALE
1770	1800	30	SAND/SHALE/COAL
1800	1860	60	SANDY SHALE
1860	1920	60	SAND/SHALE/COAL
1920	2010	90	SANDY SHALE
2010	2040	30	SAND/SHALE/COAL
2040	2100	60	SANDY SHALE
2100	2130	30	SAND/SHALE/COAL
2130	2160	30	SANDY SHALE
2160	2205	45	SAND 2199' W/ 5 1/2" CASING

2205.00 FT. TOTAL DEPTH  
16.00 FT. OF 16" CASING  
450.00 FT. OF 11 3/4" CASING  
648.00 FT. OF 8 5/8" CASING  
2199.00 FT. OF 5 1/2" CASING

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SEP 02 2005

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

Well Name Rogers 171

PBTD

2195'

**Zone and Perforation Table**

Frac Stage 1 Interval	1880-1883		Ball Out Yes	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
	1915	1917				
N2 Scf	178,000		1922-1923	2043-2044	20,000	20,700
Acid	250		Ball out			
Gel Volume	6,556		Bridge Plug			
ISIP	1,480		1850'			
ATP	2,141					
AIR	35	BPM				
Stage 2 Interval	1,788	1790			15,000	15,600
N2 Scf	154,000		1803-1805			
Acid	500		Ball Out			
Gel Volume	5,635		No CIBP			
ISIP	4,000		sand plug @1754'			
ATP	2,717					
AIR	33	BPM	Screened out on flush			
Stage 3 Interval	1,693	1695			30,000	31,300
N2 Scf	313,000		1701-1703	1735-1738		
Acid	400		Ball Out			
Gel Volume	7,446		Bridge Plug 1650'			
ISIP	1,386					
ATP	2,326					
AIR	39	BPM				
Stage 4 Interval	1,556	1558			25,000	26,700
N2 Scf	245,000		1599-1600	1618-1620		
Acid	350		Ball Out			
Gel Volume	6,455		Bridge Plug			
ISIP	1,368		1530'			
ATP	2,624					
AIR	32.5	BPM				
Stage 5 Interval	1,460	1463			25,000	26,300
N2 Scf	296,000		1479-1480	1500-1503		
Acid	350		Ball Out			
Gel Volume	6,765		Bridge Plug			
ISIP	1,542		1260'			
ATP	3,161					
AIR	26.5	BPM				

Well Name Rogers 171

PBTD

2195'

**Zone and Perforation Table**

	1101-1103		Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
Stage 6 Interval	1,170	1,172				
N2 Scf	213,000		1204-1206		20,000	24,800
Acid	350		Ball Out Bridge Plug 1060'			
Gel Volume	5,430					
ISIP	1,053					
ATP	2,195					
AIR	34.5	BPM				
Stage 7 Interval	999	1,001				15,000
N2 Scf	221,000		1004-1006	1027-1029		
Acid	350		Ball Out  No Bridge Plug			
Gel Volume	5,680					
ISIP	1,136					
ATP	2,450					
AIR	33.5	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						

Mc Dow 2063

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