

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

TEE Engineering Company, Inc.
 120 Cotton Hill Court
 Lexington, KY 40509
 (859) 263-5350
 Fax: (859) 263-5345

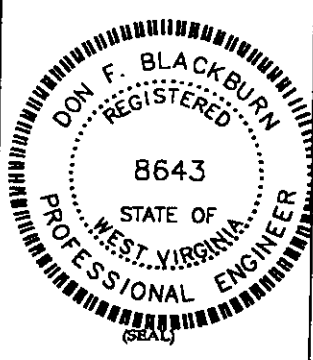
GeoMet Operating Company, Inc.
 Well No. PMC South 110-103-072

FILE NO. 1883-08
 DRAWING NO. WELL PMC 072 PLAT
 SCALE: 1" = 2,000'
 MIN. DEGREE OF ACCURACY 1:2,500
 PROVEN SOURCE OF ELEVATION
 GPS STATION TEC-1 (ELEV. 2406.50)

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. 8643 R.P.S.



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

DATE DECEMBER 31, 2002
 OPERATOR'S WELL NO. PMC SOUTH 110-103-072

API WELL NO. 47 - 047 - 01761C
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1,782.79' NORTHING 105,195.48 EASTING 1,777,190.25
 DISTRICT BIG CREEK WATER SHED LAUREL FORK OF LITTLE SLATE CREEK
 QUADRANGLE BRADSHAW COUNTY McDOWELL

SURFACE OWNER POCAHONTAS MINING, LLC. ACREAGE 1,108
 CBM ROYALTY OWNER POCAHONTAS MINING, LLC. LEASE ACREAGE 1,108
 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 2,254'
 WELL OPERATOR GEOMET OPERATING COMPANY, INC. DESIGNATED AGENT GREGG CLEARY
 ADDRESS 5336 STADIUM TRACE PARKWAY SUITE 3206 ADDRESS 1105 HEATHERWOOD ROAD
BIRMINGHAM, ALABAMA 35244 BLUEFIELD, WV 24701

6-6(0)

MAR 14 2003

Mc Dow 1761C

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

M B

Well Operator's Report of Well Work

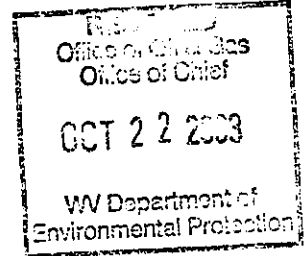
FARM NAME: Pocahontas Mining, LLC.

OPERATOR WELL NO.: 110-103-072

LOCATION:

Elevation: 1,782.79' Quadrangle: Bradshaw

District: Big Creek County: McDowell
Latitude: 4569' Feet South of 37 Deg. 17 Min. 30 Sec.
Longitude: 1934' Feet West of 81 Deg. 45 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>23'</u>	<u>23'</u>	
Agent: <u>Gregg Cleary</u>				
Inspector: <u>Ronnie Scott</u>	<u>8-5/8"</u>	<u>326'</u>	<u>326'</u>	<u>74/Pumped 132</u>
Date Permit Issued: <u>March 13, 2003</u>				
Date Well Work Commenced: <u>June 19, 2003</u>	<u>5-1/2"</u>	<u>1504'</u>	<u>1504'</u>	<u>261/Pumped 293</u>
Date Well Work Completed: <u>July 8, 2003</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>XXXX</u> Cable Rig				
Total Depth (feet): <u>1504'</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): 337, 362, 666, 727, 726, 775, 933, 966, 996, 1141, 1206, 1323,

OPEN FLOW DATA

Producing formation All Zones Commingled Pay zone depth (ft) _____
Gas: Initial Open Flow N/A 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 12 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: Dundrea Smith
DATE: _____

McDow 17601

NOV 14 2003

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

Well Name PMC South 072 PBTB 1504

Zone and Perforation Table

Frac			Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
	Stage 1 Interval	1140 1143				
N2 Scf	265,000		36 Balls On Plug @ 1100'		25,000	26,000
Acid	200	15%				
Gel Volume	10,000					
ISIP	1,124					
ATP	2,372					
AIR	25	BPM				
Stage 2 Interval	932	934				
N2 Scf	374,000		965' -697' / 995' -997' Ball Out 850'			
Acid	450	15%				
Gel Volume	14,300					
ISIP	1,002					
ATP	2,342					
AIR	25	BPM				
Stage 3 Interval	773	776				
N2 Scf	261,000		750'			
Acid	200	15%				
Gel Volume	9,300					
ISIP	1,037					
ATP	2,532					
AIR	22	BPM				
Stage 4 Interval	723	726				
N2 Scf	265,000		700'			
Acid	200					
Gel Volume	98,000					
ISIP	962					
ATP	2,105					
AIR	23	BPM				
Stage 5 Interval	663	666				
N2 Scf	375,000		No Plug			
Acid	200					
Gel Volume	10,400					
ISIP	2,286					
ATP	3,005					
AIR	22	BPM				

DRILL DATA HOLE - NOAH HORN WELL DRILLING, INC.

COMPANY: GEOMET OPERATING CO HOLE NO.: PMC-072 South

LOCATION: BUG HURLEY HOLLOW DRILL: RIG #23
LITTLE SLATE CREEK

DATE STARTED: 06-18-2003 DATE COMPLETED: 06-23-2003

ELECTRIC LOGGED: YES GROUTED: YES

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT.	DESCRIPTION	VOIDS, ETC
0	17.15	17.15	OVERBURDEN	17.15' W/ 13 3/8" CASING
17.15	30	12.85	SANDSTONE / COAL	3
30	61	31	SANDY SHALE / COAL STR / SANDSTONE	
61	92	31	SANDSTONE / COAL STR / SANDSTONE	
92	123	31	SANDSTONE / SANDY SHALE / SANDSTONE	
123	154	31	SANDSTONE/COAL-2	
154	185	31	SANDSTONE/SANDY SHALE/SANDSTONE	
185	215	30	SANDSTONE	
215	245	30	SANDSTONE/COAL STR/SANDY SHALE	
245	275	30	SANDSTONE	
275	305	30	SANDSTONE/COAL STR	
305	335	30	SANDY SHALE/SANDSTONE	325.5' OF 8-5/8" CASING
335	360	25	SAND/SANDY SHALE	
360	390	30	SANDY SHALE/SAND STR/COAL STR	
390	420	30	SANDY SHALE/COAL STR/SAND	
420	450	30	SANDY SHALE	
450	480	30	SAND/SANDY SHALE	
480	510	30	SANDY SHALE	
510	540	30	SANDSTONE/SANDY SHALE	
540	570	30	SANDY SHALE/COAL STR/SANDSTONE	
570	600	30	SANDSTONE	
600	630	30	SANDSTONE/SANDY SHALE/SANDSTONE	
630	660	30	COAL #2/SANDSTONE/SANDY SHALE	
660	690	30	SANDY SHALE/SANDSTONE	
690	720	30	SANDSTONE/SANDY SHALE	
720	750	30	SANDY SHALE/SANDSTONE	
750	780	30	SANDSTONE/SANDY SHALE/COAL STR	
780	810	30	COAL STR/SANDY SHALE/SANDSTONE	
810	840	30	SANDSTONE/SANDY SHALE	
840	870	30	SANDY SHALE/SANDSTONE	
870	900	30	SANDY SHALE/COAL STR/SANDSTONE	
900	930	30	SANDSTONE/SANDY SHALE	
930	960	30	COAL STR/SANDY SHALE	
960	990	30	COAL STR/SANDSTONE	
990	1020	30	SANDSTONE/SOFT COAL/SANDSTONE	

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NOV 14 2003

**GEO-MET
HOLE PMC-072
PAGE 2**

1020	1050	30	SANDSTONE/SANDY SHALE
1050	1080	30	SANDY SHALE/SANDSTONE
1080	1110	30	SANDY SHALE
1110	1140	30	SANDY SHALE/COAL-2/SANDY SHALE
1140	1170	30	SANDY SHALE/SANDSTONE
1170	1200	30	SANDSTONE/RED STR/SANDSTONE/COAL
1200	1230	30	COAL STR/SANDY SHALE/SANDSTONE
1230	1260	30	SANDSTONE/SANDY SHALE
1260	1290	30	SANDY SHALE/SANDSTONE
1290	1320	30	SANDY SHALE/SANDSTONE
1320	1350	30	SAND/SANDY SHALE
1350	1380	30	SANDY SHALE
1380	1410	30	SANDY SHALE/SAND
1410	1440	30	SAND STR/SANDY SHALE
1440	1470	30	SANDY SHALE/COAL STR
1470	1500	30	SANDY SHALE
1500	1530	30	SANDY SHALE/RED SHALE/SANDY SHALE
			T.D. 7-7/8" HOLE 1504.41' OF 5-1/2"
			CASING

**TOTAL DEPTH: 1530'
17.15' OF 13-3/8" CASING
325.50' OF 8-5/8" CASING
1504.41' OF 5-1/2" CASING**

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

Well Operator's Report of Well Work

FARM NAME: Pocahontas Mining, LLC.

OPERATOR WELL NO.: 109-103-072

RECEIVED
Office of Oil & Gas
Office of Chief
OCT - 6 2003
WV Department of
Environmental Protection

LOCATION:

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SIGNED:

BY:

Dundrea Smith

DATE:

OCT 10 2003

McDow 1761

GeoMet Operating Company, Inc.
Perforation and Frac Volume Specification

Well Name PMC South 072

PBTD

1504

Zone and Perforation Table

Frac			Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
Stage 1 Interval	1140	1143				
N2 Scf	265,000		36 Balls On Plug @ 1100'		25,000	26,000
Acid	200	15%				
Gel Volume	10,000					
ISIP	1,124					
ATP	2,372					
AIR	25	BPM				
Stage 2 Interval	932	934			965' -697' / 995' -997'	
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Acid	200					
Gel Volume	10,400					
ISIP	2,286					
ATP	3,005					
AIR	22	BPM				

Well Name _____

PBTD _____

Zone and Perforation Table

		Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
Stage 6 Interval					
N2 Scf		No Plug			
Acid					
Gel Volume					
ISIP					
ATP					
AIR					
	BPM				
Stage 7 Interval					
N2 Scf					
Acid					
Gel Volume					
ISIP					
ATP					
AIR					
	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					

OCT 10 2003

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DRILL DATA HOLE - NOAH HORN WELL DRILLING, INC.

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HOLE PMC-072
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