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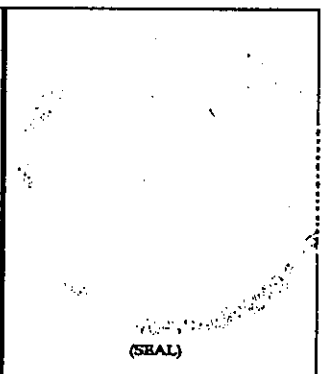
GeoMet Operating Company, Inc.
 Well No. PMC South 110-104-080

FILE NO. 1883-08/2003 WELLS
 DRAWING NO. WELL PMC SOUTH 80 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. 8643 R.P.S.



STATE OF WEST VIRGINIA

DEPARTMENT OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS

DATE FEBRUARY 7, 2003
 OPERATOR'S WELL NO. PMC SOUTH 110-104-080
 API WELL NO. 47 - 047 - 047680
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS X CBM LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1,708.89' NORTHING 106865.84 EASTING 1778193.38
 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 2,209'
 WELL OPERATOR GEOMET OPERATING COMPANY, INC. DESIGNATED AGENT KERRY HILL
 ADDRESS 5336 STADIUM TRACE PARKWAY SUITE 3206 BIRMINGHAM, ALABAMA 35244 ADDRESS 330 HARPER PARK DRIVE SUITE A BECKLEY, WV 25801

(Base datum 270)

APR 07 2003

MCDOWELL 1768C

Blf

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.: 110-104-080

LOCATION:

Elevation: 1,708.89' Quadrangle: Bradshaw

District: Big Creek County: McDowell
Latitude: 3,606' Feet South of 37 Deg. 17 Min. 30 Sec.
Longitude: 255' 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>47.9'</u>	<u>47.9'</u>	
Agent: <u>Gregg Cleary</u>				
Inspector: <u>Ronnie Scott</u>	<u>8-5/8"</u>	<u>336'</u>	<u>336'</u>	<u>76/Pumped 120</u>
Date Permit Issued: <u>April 10, 2003</u>				
Date Well Work Commenced: <u>June 17, 2003</u>	<u>5-1/2"</u>	<u>1489'</u>	<u>1489'</u>	<u>258/Pumped 293</u>
Date Well Work Completed: <u>June 30, 2003</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>XXXX</u> Cable Rig				
Total Depth (feet): <u>1520'</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): 586, 636, 650, 671, 795, 849, 880, 912, 955, 1158, 1248.

OPEN FLOW DATA

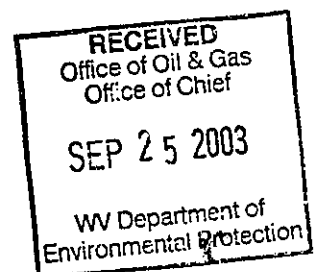
Producing formation All Zones Commingled Pay zone depth (ft) _____
Gas: Initial Open Flow N/A MCF/d Oil: Initial Open Flow _____ Bbl/d
Final Open Flow N/A MCF/d Final Open Flow _____ Bbl/d
Time of Open Flow between initial and final tests N/A Hours
Static Rock Pressure 11.1 psig (surface pressure) after 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: _____



M. Dow 1768

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

Well Name PMC SOUTH 080

PBTD

1486'

Zone and Perforation Table

Frac			Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
Stage 1 Interval	1250	1253				
N2 Scf	316,000		1150'		25,000	27,000
Acid	200					
Gel Volume	10,700					
ISIP	2,019					
ATP	3,065					
AIR	23	BPM				
Stage 2 Interval	1,059	1062				
N2 Scf			Frac w/next stage	No Plug		
Acid	600					
Gel Volume	3,000					
ISIP	3,062					
ATP	3,765					
AIR	3	BPM				
Stage 3 Interval	957	960				
N2 Scf	345,000		48 Balls on Plug @ 940'			
Acid	200					
Gel Volume	9,600					
ISIP	2,184					
ATP	3,044					
AIR	21	BPM				
Stage 4 Interval	913	916				
N2 Scf			Together with next 2 zones			
Acid	200					
Gel Volume						
ISIP	1,193					
ATP	2,991					
AIR	27	BPM				
Stage 5 Interval	881	884				
N2 Scf						
Acid	200					
Gel Volume						
ISIP	1,193					
ATP	2,991					
AIR	27	BPM				

DRILL DATA HOLE - NOAH HORN WELL DRILLING, INC.

COMPANY: GEOMET OPERATING CO

HOLE NO.: PMC-80 SOUTH

**LOCATION: BUG HURLEY HOLLOW
LITTLE SLATE CREEK**

DRILL: RIG # 23

DATE STARTED: 06-16-2003

DATE COMPLETED: 06-19-2003

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT.	DESCRIPTION	VOIDS, ETC
0	42	42	OVERBURDEN	
42	48	6	SANDY SHALE / SANDSTONE	47.9' W/ 13 3/8" CASING
				11" DRILLING
48	61	13	SAND / COAL P3 / SANDY SHALE	
61	92	31	SANDY SHALE / SANDSTONE	
92	123	31	SANDSTONE	
123	154	31	SANDSTONE / COAL STR / SANDY SHALE	
154	185	31	SANDY SHALE / SAND	
185	215	30	SANDSTONE / COAL STR / SANDY SHALE / SANDSTONE	
215	275	60	SANDSTONE	
275	305	30	COAL STR / SANDSTONE / SANDY SHALE	
305	335	30	SANDY SHALE / COAL STR / SANDSTONE	
335	345	10	SANDY SHALE	336' W/ 8 5/8" CASING
				7 7/8" DRILLING
345	390	45	SANDY SHALE	
390	420	30	SANDY SHALE / SANDSTONE	
420	450	30	SANDSTONE / SANDY SHALE	
450	480	30	SANDY SHALE / SANDSTONE	
480	510	30	SANDSTONE / SANDY SHALE	
510	540	30	SANDY SHALE / COAL STR	
540	570	30	COAL STR / SAND / SANDY SHALE	
570	600	30	SANDY SHALE / COAL STR / SANDY SHALE	
600	630	30	SANDSTONE / SANDY SHALE	
630	660	30	SANDY SHALE / COAL 3 / SANDSTONE / COAL 2	
660	690	30	SANDY SHALE / SANDSTONE	
690	720	30	SANDSTONE / COAL STR / SANDY SHALE	
720	750	30	SANDY SHALE / SANDSTONE	
750	780	30	SANDSTONE / SANDY SHALE	
780	810	30	SANDY SHALE / SANDSTONE	
810	840	30	SANDSTONE / COAL STR / SANDSTONE	
840	870	30	COAL STR / SANDY SHALE	
870	900	30	SANDY SHALE / COAL STR / SANDY SHALE	
900	930	30	SANDY SHALE / COAL STR / SANDSTONE	
930	960	30	SANDSTONE / COAL STR / SANDY SHALE	
960	990	30	SANDY SHALE / SANDSTONE	
990	1010	20	SANDSTONE / SANDY SHALE	
1010	1040	30	SANDY SHALE / SANDSTONE	
1040	1070	30	SANDSTONE / SANDY SHALE	

Well Name PMC SOUTH 080

PBTD

1486'

Zone and Perforation Table

	Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
Stage 6 Interval	850	853		
N2 Scf	550,000		20,000	54,000
Acid	450			
Gel Volume	14,400			
ISIP	1,193			
ATP	2,991			
AIR	27	BPM		
	Together w/Previous Zones Plug @ 750'			
Stage 7 Interval	697	700	30,000	13,000
N2 Scf	195,000		Tight Zone 680'	
Acid	200			
Gel Volume	6,400			
ISIP	2,915			
ATP	3,244			
AIR	18	BPM		
	Tight Zone 680'			
Stage 8 Interval	638	641	35,000	35,000
N2 Scf	293,000		652' - 654' 620'	
Acid	200			
Gel Volume	11,000			
ISIP	778			
ATP	2,282			
AIR	26	BPM		
	652' - 654' 620'			
Stage 9 Interval	588	592	35,000	37,000
N2 Scf	293,000		No Plug	
Acid	200			
Gel Volume	10,000			
ISIP	1,427			
ATP	2,354			
AIR	24	BPM		
	No Plug			
Stage 10 Interval				
N2 Scf				
Acid				
Gel Volume				
ISIP				
ATP				
AIR				

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GEOMET OPERATING COMPANY
PMC-80 SOUTH

FROM	TO	FT.	DESCRIPTION
1070	1100	30	SANDY SHALE / SANDSTONE
1100	1130	30	SANDSTONE / COAL STR / SANDY SHALE
1130	1160	30	SANDY SHALE / SANDSTONE
1160	1190	30	SANDSTONE / SANDY SHALE
1190	1220	30	SANDY SHALE / SANDSTONE
1220	1250	30	SANDSTONE / RED SHALE / SANDY SHALE
1250	1280	30	SANDY SHALE / SANDSTONE
1280	1310	30	SANDSTONE / SANDY SHALE
1310	1340	30	SANDY SHALE / RED SHALE / SANDY SHALE
1340	1370	30	SANDY SHALE / SANDSTONE
1370	1430	60	SANDSTONE / SANDY SHALE STR
1430	1460	30	SANDSTONE / RED SHALE 10'
1460	1490	30	SANDY SHALE / RED SHALE 15'
1490	1520	30	SANDSTONE / SHALE / SANDY SHALE

TD 7 7/8" HOLE

1520.00 FT. TOTAL DEPTH
47.90 FT. OF 13 3/8" CASING
336.00 FT. OF 8 5/8" CASING

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