

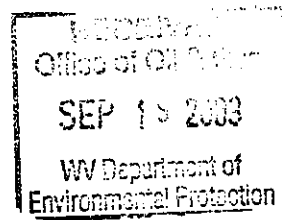


State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas

*RP*

Well Operator's Report of Well Work

FARM NAME: Pocahontas Mining, LLC. OPERATOR WELL NO.: 107-104-075



LOCATION:

Elevation: 2,625.88' Quadrangle: Bradshaw

District: Big Creek County: McDowell  
Latitude: 11,209' Feet South of 37 Deg. 17 Min. 30 Sec.  
Longitude: 765' 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>16"</u>	<u>20'</u>	<u>20'</u>	
Agent: <u>Gregg Cleary</u>				
Inspector: <u>Ronnie Scott</u>	<u>11-3/4"</u>	<u>317'</u>	<u>317'</u>	<u>191/Pumped 252</u>
Date Permit Issued: <u>April 24, 2003</u>				
Date Well Work Commenced: <u>May 6, 2003</u>	<u>8-5/8"</u>	<u>519'</u>	<u>519'</u>	<u>117/Pumped 90</u>
Date Well Work Completed: <u>May 16, 2003</u>				
Verbal Plugging:	<u>5-1/2"</u>	<u>2380'</u>	<u>2380'</u>	<u>413/ Pumped 455</u>
Date Permission granted on:				
Rotary <u>XXXX</u> Cable Rig				
Total Depth (feet): <u>2406'</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): 553, 608, 609, 631, 632, 675, 779, 1007, 1084, 1137, 1186, 1221, 1223, 1273, 1323, 1563, 1571, 1573, 1602, 1624, 1642, 1660, 1754, 1845, 1871, 1913, 1915, 1949, 1962, 2058, 2111, 2116, 2240, 2241, 2243, 2254, 2401.

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 27 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:

OCT 17 2003

*McDow 1775*

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

Well Name PMC SOUTH 075 PBTB 2385'

**Zone and Perforation Table**

Frac Stage	Interval		Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight	
	2241	2244					
Stage 1 Interval	N2 Scf	186,000	2150'		15,000	17,000	
	Acid	200					15%
	Gel Volume	8,300					
	ISIP	1,294					
	ATP	2,411					
	AIR	17					BPM
	Stage 2 Interval	2,057					2060
Stage 2 Interval	N2 Scf	293,000	2000'				
	Acid	200					15%
	Gel Volume	7,200					
	ISIP	1,683					
	ATP	3,342					
	AIR	24					BPM
	Stage 3 Interval	1,913					1916
Stage 3 Interval	N2 Scf	186,000	24 Balls on Plug @ 1900'				
	Acid	200					15%
	Gel Volume	6,800					
	ISIP	1,432					
	ATP	2,138					
	AIR	21					BPM
	Stage 4 Interval	1,844					1846
Stage 4 Interval	N2 Scf	173,000	1869' - 1871' Ball Out 35 Balls on Plug @ 1750'				
	Acid	450					15%
	Gel Volume	6,000					
	ISIP	1,688					
	ATP	2,794					
	AIR	26					BPM
	Stage 5 Interval	1,601					1603
Stage 5 Interval	N2 Scf	245,000	1623' - 1625', 1641' - 1643' 1658' - 1660' 1590'				
	Acid	450					15%
	Gel Volume	7,400					
	ISIP	1,108					
	ATP	2,344					
	AIR	28					BPM

Well Name PMC SOUTH 075

PBTD

2385'

**Zone and Perforation Table**

	Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
Stage 6 Interval	1,561	1,564		
N2 Scf	199,000		30,000	11,000
Acid	200	15%		
Gel Volume	5,800			
ISIP	2,152			
ATP	3,498			
AIR	22	BPM		
	1571' - 1574'			
	No Plug			
Stage 7 Interval				
N2 Scf				
Acid		15%		
Gel Volume				
ISIP				
ATP				
AIR		BPM		
Stage 8 Interval				
N2 Scf				
Acid		15%		
Gel Volume				
ISIP				
ATP				
AIR		BPM		
Stage 9 Interval				
N2 Scf				
Acid		15%		
Gel Volume				
ISIP				
ATP				
AIR		BPM		
Stage 10 Interval				
N2 Scf				
Acid		15%		
Gel Volume				
ISIP				
ATP				
AIR				

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DRILL DATA HOLE - NOAH HORN WELL DRILLING, INC.

COMPANY: GEOMET OPERATING CO.      HOLE NO.: PMC-075 South  
 LOCATION: PEA PATCH      DRILL: RIG # 23  
 DATE STARTED: 05-05-2003      DATE COMPLETED: 05-09-2003  
 ELECTRIC LOGGED: YES      GROUTED: YES

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT.	DESCRIPTION	VOIDS, ETC
0	19.6	19.6	OVERBURDEN	19.6' W/ 16" CASING TD 17 1/2" DRILLING
19.6	61	41.4	SANDSTONE	
61	92	31	COAL STR / SANDY SH / SANDY SHALE STR	
92	123	31	SANDY SH / COAL STR / SANDY SH	
123	154	31	SANDY SHALE / SANDY SHALE STR	
154	185	31	SANDSTONE	
185	215	30	SANDY SHALE / COAL STR / SANDY SHALE	
215	245	30	SANDY SHALE / SANDSTONE	
245	305	60	SANDSTONE	
305	335	30	SANDSTONE / SANDY SHALE	317.2' W/ 11 3/4" CASING TD 15 3/8" DRILLING
335	365	30	SANDSTONE / SANDY SHALE STR	
365	395	30	SANDSTONE / COAL 3 / SANDY SHALE	
395	425	30	SANDY SHALE / COAL STR / SANDY SHALE	
425	450	25	SANDY SHALE / SANDSTONE	
450	455	5	VOID	
455	485	30	SANDSTONE	
485	515	30	SANDSTONE / SANDY SHALE	
515	545	30		515' W/ 8 5/8" CASING TD 11" DRILLING
545	570	25	SANDY SHALE	
570	600	30	SANDY SHALE / SAND STR / SANDY SHALE	
600	605	5	SANDY SHALE	
605	607	2	COAL	
607	625	18	SANDY SHALE	
625	628	3	COAL	
628	630	2	SANDY SHALE	
630	660	30	SANDY SHALE / SANDSTONE	
660	670	10	SANDY SHALE	
670	672	2	COAL	
672	675	3	SANDY SHALE	
675	678	3	COAL	
678	690	12	SANDY SHALE	
690	720	30	SANDSTONE	
720	750	30	SAND / SANDY SHALE	
750	780	30	W/ COAL STR @ 735'	
780	810	30	SAND / SANDY SHALE	
			SANDY SHALE / SAND STR	

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 PMC-075 SOUTH

TO	FT.	DESCRIPTION	FROM
840	30	SANDY SHALE / SAND	2310
870	30	SANDSTONE / SANDY SHALE	2340
900	30	SANDY SH / SANDSTONE / SANDY SHALE	2370
960	60	SANDY SHALE / SANDSTONE	
990	30	SANDY SHALE	
1020	30	SANDY SHALE / COAL STR / SANDSTONE	
1050	30	SANDSTONE	
1080	30	SANDSTONE / SANDY SH STR / SANDSTONE	2400.00 FT.
1110	30	COAL STR / SANDY SHALE / SANDSTONE	19.60 FT.
1140	30	SANDSTONE	317.20 FT.
1170	30	COAL / SANDSTONE / SANDY SHALE	515.00 FT.
1200	30	SANDY SHALE / SANDSTONE	
1230	30	SANDY SHALE	
1260	30	SANDSTONE / SANDY SHALE	
1290	30	COAL STR / SANDY SHALE	
1320	30	SANDY SHALE / COAL STR / SANDY SHALE	
1350	30	SANDY SHALE / SANDSTONE	
1380	30	SANDY SHALE	
1410	30	SANDY SHALE / COAL STR / SANDSTONE	
1440	30	SANDY SHALE	
1470	30	SANDY SHALE / SANDSTONE	
1500	30	SANDSTONE / SANDY SHALE / SANDSTONE	
1530	30	SANDSTONE / SANDY SHALE	
1560	30	SANDY SHALE / COAL / SANDSTONE	
1590	30	SANDSTONE / COAL / SANDY SHALE	
1620	30	SANDY SHALE / COAL STR / SANDSTONE	
1650	30	SANDSTONE / COAL 3 / SANDY SHALE	
1680	30	COAL STR / SANDY SHALE	
1710	30	SANDY SHALE	
1740	30	SANDY SHALE / SANDSTONE	
1770	30	SANDSTONE	
1800	30	SANDSTONE / SANDY SHALE	
1830	30	SANDY SHALE	
1860	30	COAL 3 / RED SHALE / SANDY SHALE	
1890	30	COAL 2 / SANDY SHALE / SAND	
1920	30	SANDY SHALE	
1950	30	SANDY SHALE / COAL 2 / SANDY SHALE	
1980	30	SANDY SHALE / SANDSTONE STR	
2010	30	SANDSTONE / SANDY SHALE	
2040	30	SANDY SHALE	
2070	30	SANDY SHALE / COAL 2 / SANDY SHALE	
2100	30	SANDY SHALE	
2130	30	SANDY SHALE / SANDSTONE	
2160	30	SANDY SHALE / SAND	
2190	30	SANDSTONE	
2220	30	SAND / SANDY SHALE	
2240	20	SAND	
2243	3	COAL W/ SHALE	
2250	7	SAND	
2280	30	SANDY SHALE / SAND	
2310	30	SANDSTONE	

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FROM	TO	FT.	DESCRIPTION
2310	2340	30	SANDY SHALE / SANDSTONE STR
2340	2370	30	SANDSTONE / SANDY SHALE / SANDSTONE
2370	2400	30	SANDSTONE STR / RED SHALE / SANDY SHALE / RED SHALE
			TD 8" DRILLING

2400.00 FT. TOTAL DEPTH  
19.60 FT. OF 16" CASING  
317.20 FT. OF 11 3/4" CASING  
515.00 FT. OF 8 5/8" CASING

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