

84  
2.14

**TEE Engineering Company, Inc.**  
 320 Campus Hill Court  
 Lexington, KY 40509  
 (606) 261-1199  
 Fax (606) 261-5343

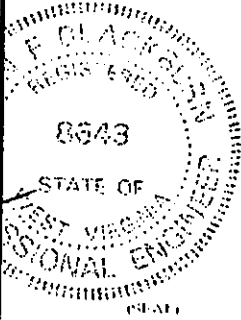
**GeoMet Operating Company, Inc.**  
 Well No. Pond Creek 107-107-030

FILE NO. 1925-11  
 DRAWING NO. WELL 30 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 5, 2002  
 OPERATOR'S WELL NO. POND CREEK 107-107-030  
 API WELL NO. 47 STATE 047 COUNTY 01627C PERMIT

WELL TYPE: OIL GAS X CBM LIQUID INJECTION WASTE DISPOSAL  
 (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW  
 LOCATION: ELEVATION 1,737.87' WATERSHED HITE FORK OF BRADSHAW CREEK  
 DISTRICT SANDY RIVER COUNTY McDOWELL  
 QUADRANGLE BRADSHAW  
 SURFACE OWNER PLUM CREEK TIMBERLANDS, L.P. ACREAGE 9,909.37  
 CBM ROYALTY OWNER PLUM CREEK TIMBERLANDS, L.P. LEASE ACREAGE 9,909.37  
 LEASE NO. RECORDING IN PROGRESS  
 PROPOSED WORK: DRILL X 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 1540'  
 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

MAR 15 2002

McDow 1627C

*AB*

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

Well Operator's Report of Well Work

FARM NAME: Plum Creek Timberlands, L.P. OPERATOR WELL NO.: PC #30

LOCATION:

Elevation: 1,737.87' Quadrangle: Bradshaw

District: Sandy River County: McDowell  
Latitude: 11,306 Feet South of 37 Deg. 20 Min. 00 Sec.  
Longitude: 8,724 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>20'</u>	<u>20'</u>	
Agent: <u>Gregg Cleary</u>				
Inspector: <u>Ronnie Scott</u>	<u>8-5/8"</u>	<u>330'</u>	<u>330'</u>	<u>136/Pumped 192</u>
Date Permit Issued: <u>March 12, 2002</u>				
Date Well Work Commenced: <u>May 20, 2002</u>	<u>5-1/2"</u>	<u>1596'</u>	<u>1596'</u>	<u>277/Pumped 358</u>
Date Well Work Completed: <u>October 7, 2002</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>XXXX</u> Cable Rig				
Total Depth (feet): <u>1655'</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>				

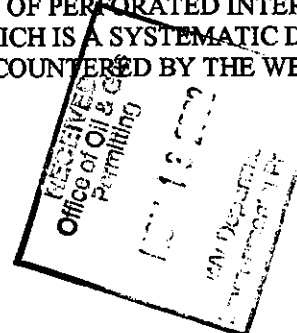
Coal Depths (feet): 498/626/734/753/805/816/985/1005/103/1081/1181/1245/1300

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 220 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: Karen Rye  
 DATE: 12-18-2002



JAN 17 2003

McDow 1627C

API #: 47-01627C

Operator Well #: PC #030

Farm Name: Plum Creek Timberlands, L.P.

1.) Details of perforated intervals, fracturing or stimulating, physical change, etc.

1<sup>st</sup> Stage:

Perf P3, 1246' – 1249', 1241' – 1244'/Perf P4, 1177' – 1180' & frac on 10/07/02 by Superior with 70Q Foam 27,000# 16/30 Sand, 239,000 SCF N2, 155 Total Bbls Fluid. Breakdown Pressure 2600 PSIG, Average Pressure 1761 PSI, 750 ISIP

2<sup>nd</sup> Stage:

Perf P5, 1077' – 1080'/Perf P6 1035' – 1038' & frac on 10/07/02 by Superior with 70Q Foam 21,500# 16/30 Sand, 209,000 SCF N2, 167 Total Bbls Fluid. Breakdown Pressure 2885 PSIG, Average Pressure 2731 PSI, 1340 ISIP

3<sup>rd</sup> Stage:

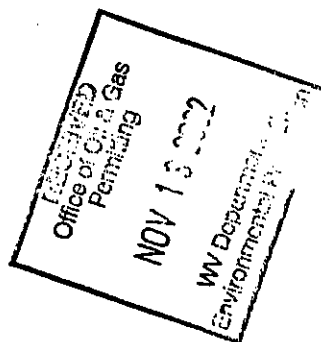
Perf P9, 1002' – 1005', Perf P9-4, 983' – 986' & frac on 10/07/02 by Superior with 70Q Foam 26,500# 16/30 Sand, 234,000 SCF N2, 179 Total Bbls Fluid. Breakdown Pressure 3306 PSIG, Average Pressure 2258 PSI, 1300 ISIP

4<sup>th</sup> Stage:

Perf P9-6, 837' – 840', Perf 9-8, 814' – 817' & frac on 10/07/02 by Superior with 70Q Foam 21,000# 16/30 Sand, 225,000 SCF N2, 214 Total Bbls Fluid. Breakdown Pressure 3405 PSIG, Average Pressure 2164 PSI, 910 ISIP

5<sup>th</sup> Stage:

Perf P-10, 733' – 752' & frac on 10/07/02 by Superior with 70Q Foam 21,000# 16/30 Sand, 225,000 SCF N2, 214 Total Bbls Fluid. Breakdown Pressure 2750 PSIG, Average Pressure 1704 PSIG, 910 ISIP



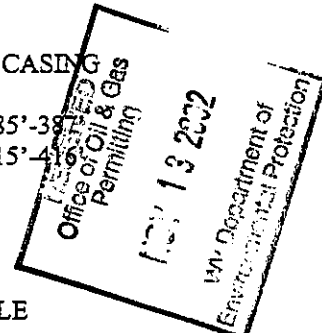
DRILL DATA HOLE -NOAH HORN WELL DRILLING, INC.

COMPANY: GEOMET OPERATING CO. HOLE NO.: GPPC-030

LOCATION: BUG HURLEY HOLLOW DRILL: RIG # 45

DATE STARTED: 05-20-2002 DATE COMPLETED: 05-22-2002

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT.	DESCRIPTION	VOIDS, ETC
0.00	10.00	10.00	OVERBURDEN	
10.00	20.00	10.00	SANDY SHALE / COAL / SAND	
20.00	37.00	17.00	SANDSTONE 20.25' W/ 13 3/8" CASING	
37.00	68.00	31.00	SAND / SANDY SHALE STR / COAL STR	
68.00	130.00	62.00	SAND	
130.00	161.00	31.00	SANDY SHALE	
161.00	192.00	31.00	SANDY SHALE / COAL	
192.00	252.00	60.00	SANDY SHALE	
252.00	312.00	60.00	SAND	
312.00	342.00	30.00	SANDY SHALE 330' W/ 8 5/8" CASING	
342.00	365.00	23.00	SAND / SANDY SHALE	
365.00	395.00	30.00	SANDY SHALE / SAND / COAL STR 385'-395'	
395.00	425.00	30.00	SAND / SANDY SHALE / COAL STR 415'-425'	
425.00	455.00	30.00	SANDY SHALE / COAL STR 445'-446'	
455.00	485.00	30.00	SANDY SHALE	
485.00	515.00	30.00	COAL STR 490'-491' / SANDY SHALE	
515.00	605.00	90.00	SANDY SHALE	
605.00	635.00	30.00	SANDY SHALE / SAND / SANDY SHALE	
635.00	665.00	30.00	SANDY SHALE / SAND	
665.00	695.00	30.00	SAND / SANDY SHALE	
695.00	725.00	30.00	SANDY SHALE / SAND / COAL STR	
725.00	755.00	30.00	SAND STR / COAL 735'-738' / SANDY SHALE ✓	
			COAL 753'-755' ✓	
755.00	785.00	30.00	SANDY SHALE	
785.00	815.00	30.00	SANDY SHALE / COAL 790'-792' / ✓	
			SANDY SHALE / COAL 814' ✓	
815.00	845.00	30.00	SANDY SHALE / SAND STR	
845.00	875.00	30.00	SANDY SHALE / COAL STR 865' / SAND STR	
875.00	905.00	30.00	SAND STR / SANDY SHALE / SAND STR	
905.00	935.00	30.00	SAND STR / COAL STR 910'-912' / SANDY SHALE ✓	
			COAL STR 934'	
935.00	965.00	30.00	SAND STR / SANDY SHALE / COAL 950'-952' ✓	
965.00	995.00	30.00	SANDY SHALE / COAL 970'-972' / SAND STR ✓	
995.00	1025.00	30.00	SAND / COAL 1005'-1007' / SANDY SHALE / SAND ✓	
1025.00	1055.00	30.00	SAND / SANDY SHALE / COAL STR 1015' / SAND	
1055.00	1085.00	30.00	SANDY SHALE	
1085.00	1115.00	30.00	SAND / SANDY SHALE STR	
1115.00	1145.00	30.00	SAND / SANDY SHALE	
1145.00	1175.00	30.00	SAND / SANDY SHALE / SAND	
1175.00	1205.00	30.00	COAL 1175'-1176' / SANDY SHALE / SAND ✓	
1205.00	1235.00	30.00	SAND / SANDY SHALE STR	
1235.00	1265.00	30.00	COAL 1235'-1237' / SHALE / COAL 1242'-1244' / SANDY SHALE / SAND	



JAN 17 2003

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PAGE 2  
GEOMET OPERATING CO  
GPPC-030

FROM	TO	FT.	DESCRIPTION
1265.00	1295.00	30.00	SANDY SHALE / COAL
1295.00	1325.00	30.00	SANDY SHALE
1325.00	1355.00	30.00	SAND
1355.00	1385.00	30.00	SANDY SHALE
1385.00	1415.00	30.00	SAND / RED SHALE
1415.00	1445.00	30.00	SANDY SHALE
1445.00	1505.00	60.00	SAND
1505.00	1535.00	30.00	SANDY SHALE
1535.00	1625.00	90.00	SANDY SHALE / RED SHALE
1625.00	1655.00	30.00	SAND TD 7 7/8" HOLE

1655.00 FT. TOTAL DEPTH  
20.25 FT. OF 13 3/8" CASING  
330.00 FT. OF 8 5/8" CASING

RECEIVED  
Office of Oil & Gas  
Permitting  
NOV 13 2022  
WV Department of  
Environmental Protection