

6,758'
LATITUDE 37° 20' 00"

LONGITUDE 81° 47' 30"

13,306'

2.52
1.28

7.5'
LOC.

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

WELL COORDINATES
WV STATE PLANE
SOUTH ZONE NAD 1927
N. 109115.55
E. 176209.36

TEE Engineering Company, Inc.
170 Custer Hill Court
Lexington, KY 40509
1800 261-5150
Fax 606 261-5115



P.O. Box 219
Stamols, KY 41659
(606) 328-9033
Fax (606) 328-9033

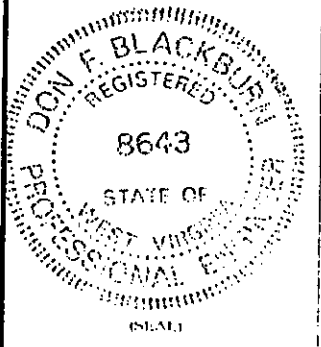
GeoMet Operating Company, Inc.
Well No. Pond Creek 103-105-020

FILE NO. 1925-11
DRAWING NO. WELL 20 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 103-105-020
API WELL NO. 47 STATE 047
COUNTY PERMIT 01819C

WELL TYPE: OIL GAS X CBM LIQUID INJECTION WASTE DISPOSAL
(IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW
LOCATION: ELEVATION 2,125.35' WATER SHEET ADLRICH 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 1947'

WELL OPERATOR GEOMET OPERATING COMPANY, INC. DESIGNATED AGENT GREGG CLEAR
ADDRESS 5336 STADIUM TRACE PARKWAY SUITE 3206 ADDRESS 1105 HEATHERWOOD ROAD
BIRMINGHAM, ALABAMA 35244 BLUEFIELD WV 24701

MAR 15 2002

McDow 1619C

ACB

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 #20

LOCATION:

Elevation: 2125.35' Quadrangle: Bradshaw

District: Sandy River County: McDowell
Latitude: 6,758 Feet South of 37 Deg. 20 Min. 00 Sec.
Longitude: 13,306 Feet West of 81 Deg. 47 Min. 30 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>20.5'</u>	<u>20.5'</u>	
Agent: <u>Gregg Cleary</u>				
Inspector: <u>Ronnie Scott</u>	<u>8-5/8"</u>	<u>332'</u>	<u>332'</u>	<u>137/Pumped 198</u>
Date Permit Issued: <u>March 12, 2002</u>				
Date Well Work Commenced: <u>May 15, 2002</u>	<u>5-1/2"</u>	<u>2010'</u>	<u>2010'</u>	<u>348/Pumped 390</u>
Date Well Work Completed: <u>September 19, 2002</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>XXXX</u> Cable Rig				
Total Depth (feet): <u>2047'</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>				

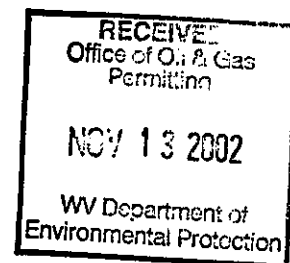
Coal Depths (feet): 398/565/642/686/768/791/831/873/1125/1215/1368/1405/1436/1465/1579/1626/1631/1679/1742/1898/1915

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 310 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 Rife
DATE: 12-18-2002



JAN 17 2003

Mc Dow 1619 C

API #: 47-01619C

Operator Well #: PC #020

Farm Name: Plum Creek Timberlands, L.P.

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

1st Stage:

Perf P1, 1762' – 1766'/Perf P2, 1744' – 1748' & frac on 9/19/02 by Superior with 70Q Foam 32,000 16/30 Sand, 291,000 SCF N₂, 190 Total Bbls Fluid. Breakdown Pressure 3564 PSIG, Average Pressure 2498 PSI, 1390 ISIP

2nd Stage:

Perf P2-1, 1680' – 1684' & frac on 9/19/02 by Superior with 70Q Foam 27,000 16/30 Sand, 263,000 SCF N₂, 190 Total Bbls Fluid. Breakdown Pressure 2104 PSIG, Average Pressure 2655 PSI, 1480 ISIP

3rd Stage:

Perf P3, 1629' – 1635' & frac on 9/19/02 by Superior with 70Q Foam 22,000 16/30 Sand, 196,000 SCF N₂, 155 Total Bbls Fluid. Breakdown Pressure 2041 PSIG, Average Pressure 2367 PSI, 1270 ISIP

4th Stage:

Perf P4, 1581' – 1585' & frac on 9/19/02 by Superior with 70Q Foam 21,000 16/30 Sand, 289,000 SCF N₂, 286 Total Bbls Fluid. Breakdown Pressure 2660 PSIG, Average Pressure 3510 PSI, 3000 ISIP

5th Stage:

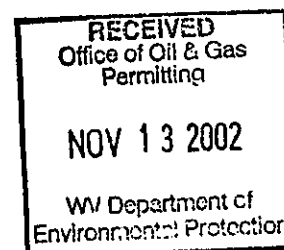
Perf P4-5, 1492' – 1496'/Perf P5, 1467' – 1471' & frac on 9/19/02 by Superior with 70Q Foam 31,000 16/30 Sand, 285,000 SCF N₂, 190 Total Bbls Fluid. Breakdown Pressure 1801 PSIG, Average Pressure 2160 PSI, 1510 ISIP

6th Stage:

Perf P6-5, 1406' – 1410'/Perf P6, 1438' – 1442' & frac on 9/19/02 by Superior with 70Q Foam 31,000 16/30 Sand, 255,000 SCF N₂, 190 Total Bbls Fluid. Breakdown Pressure 1500 PSIG, Average Pressure 2370 PSI, 1240 ISIP

7th Stage:

Perf P910, 1122' – 1131' & frac on 9/19/02 by Superior with 70Q Foam 21,000 16/30 Sand, 241,000 SCF N₂, 143 Total Bbls Fluid. Breakdown Pressure 1885 PSIG, Average Pressure 2570 PSI, 1740 ISIP



DRILL DATA HOLE - NOAH HORN WELL DRILLING, INC.

COMPANY: GEOMET OPERATING CO

HOLE NO.: GPPC-020

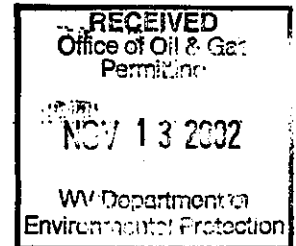
LOCATION: PEA PATCH

DRILL: RIG # 45

DATE STARTED: 05-15-2002

DATE COMPLETED: 05-17-2002

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT.	DESCRIPTION	VOIDS, ETC
0.00	15.00	15.00	OVERBURDEN / SOFT SAND	
15.00	20.00	5.00	SANDSTONE 20.5' W/ 13 3/8" CASING	
20.00	37.00	17.00	SAND / SANDY SHALE STR / COAL STR	
37.00	68.00	31.00	SAND / SHALE STR	
68.00	99.00	31.00	SAND / SHALE STR / COAL STR	
99.00	130.00	31.00	SANDY SHALE / SAND STR	
130.00	160.00	30.00	SANDY SHALE -BROKE UP @ 145'	
160.00	192.00	32.00	SANDY SHALE / SAND / COAL STR	
192.00	222.00	30.00	SANDY SHALE	
222.00	252.00	30.00	SANDY SHALE / COAL STR	
252.00	395.00	143.00	SANDY SHALE 332' W/ 8 5/8" CASING	
395.00	425.00	30.00	COAL STR / SANDY SHALE / SAND	
425.00	455.00	30.00	SAND STR / COAL STR / SANDY SHALE	
455.00	485.00	30.00	SANDY SHALE STR / SAND	
485.00	515.00	30.00	SAND / COAL STR / SANDY SHALE	
515.00	545.00	30.00	SANDY SHALE	
545.00	575.00	30.00	SANDY SHALE / COAL STR 570'-572'	
575.00	605.00	30.00	SANDY SHALE	
605.00	635.00	30.00	SANDY SHALE / SAND	
635.00	665.00	30.00	COAL / SHALE / SANDY SHALE / SAND STR	
665.00	695.00	30.00	SAND / SANDY SHALE / COAL 685'-695' / SHALE	
695.00	725.00	30.00	SANDY SHALE / SAND	
725.00	755.00	30.00	SAND / SANDY SHALE STR	
755.00	785.00	30.00	SAND / COAL 770'-773' / SHALE	
785.00	815.00	30.00	SANDY SHALE / COAL STR 800'-802' / SAND STR	
815.00	845.00	30.00	SANDY SHALE / COAL 832'-834' / SHALE / SAND	
845.00	875.00	30.00	SANDY SHALE	
875.00	905.00	30.00	COAL 875'-878' / SANDY SHALE	
905.00	935.00	30.00	SANDY SHALE	
935.00	965.00	30.00	SANDY SHALE / COAL STR / SAND	
965.00	995.00	30.00	SAND / COAL STR / SANDY SHALE STR	
995.00	1025.00	30.00	SAND / SANDY SHALE STR	
1025.00	1055.00	30.00	SAND / SANDY SHALE	
1055.00	1085.00	30.00	SANDY SHALE	
1085.00	1145.00	60.00	SANDY SHALE / COAL	
1145.00	1175.00	30.00	SANDY SHALE	
1175.00	1205.00	30.00	SANDY SHALE / COAL	
1205.00	1235.00	30.00	SAND	
1235.00	1265.00	30.00	SANDY SHALE	
1265.00	1295.00	30.00	SAND	
1295.00	1445.00	150.00	SANDY SHALE	
1445.00	1475.00	30.00	SANDY SHALE / COAL	



JAN 17 2003

M. Daw 1/16/19 C

FROM	TO	FT.	DESCRIPTION
1475.00	1505.00	30.00	SAND
1505.00	1535.00	30.00	SANDY SHALE
1535.00	1565.00	30.00	SAND
1565.00	1595.00	30.00	SANDY SHALE / COAL
1595.00	1625.00	30.00	SANDY SHALE
1625.00	1655.00	30.00	SAND
1655.00	1685.00	30.00	SANDY SHALE / COAL
1685.00	1715.00	30.00	SANDY SHALE
1715.00	1775.00	60.00	SANDY SHALE / COAL
1775.00	1895.00	120.00	SAND
1895.00	1955.00	60.00	SAND / RED SHALE
1955.00	1985.00	30.00	SAND
1985.00	2015.00	30.00	SANDY SHALE
2015.00	2045.00	30.00	SHALE TD 7 7/8" HOLE

2045.00 FT. TOTAL DEPTH
 20.50 FT. OF 13 3/8" CASING
 332.00 FT. OF 8 5/8" CASING

RECEIVED
 Office of Oil & Gas
 Permitting
 NOV 13 2002
 WV Department of
 Environmental Protection