

TEE Engineering Company, Inc.
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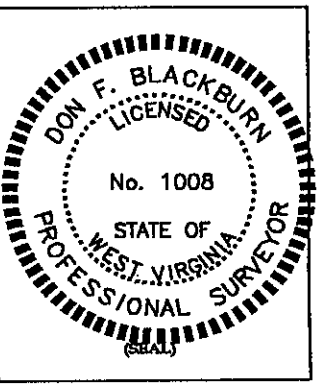
GeoMet Operating Company, Inc.
Well No. Hall South 112-101-143

FILE NO. 1883-08/2004 WELLS
 DRAWING NO. WELL HALL SOUTH 143 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. _____ R.P.S. 1008



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

DATE JULY 8, 2004
 OPERATOR'S WELL NO. HALL SOUTH 112-101-143

API WELL NO. 47 - 047 - 01941-C
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 2008.36' NORTHING 101028.25 EASTING 1780919.04
 DISTRICT BIG CREEK WATER SHED STRAIGHT FORK OF LITTLE SLATE CREEK
 QUADRANGLE BRADSHAW COUNTY McDOWELL

SURFACE OWNER HALL MINING COMPANY et al ACREAGE 339.95
 CBM ROYALTY OWNER HALL MINING COMPANY et al LEASE ACREAGE 339.95
 LEASE NO. _____ RECORDING IN PROGRESS _____

PROPOSED WORK: DRILL X CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR
 STIMULATE X 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 1,645'
 WELL OPERATOR GEOMET OPERATING COMPANY, INC. DESIGNATED AGENT KERRY HILL
 ADDRESS 5336 STADIUM TRACE PARKWAY SUITE 206 ADDRESS 330 HARPER PARK DRIVE SUITE A
BIRMINGHAM, ALABAMA 35244 BECKLEY, WV 25801

6-6 BRADSHAW (273)

JUL 8 2004

Mc Dow 1941-C

MP

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

Well Operator's Report of Well Work

FARM NAME: Hall Mining Company, et al

OPERATOR WELL NO.: Hall Mining 112-102-143

LOCATION:

Elevation: 2,008.36'

Quadrangle: Bradshaw

District: Big Creek

County: McDowell

Latitude: 834'

Feet South of 37 Deg. 17 Min. 30 Sec.

Longitude: 6,070'

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>57'</u>	<u>57'</u>	
Agent: <u>Gregg Cleary</u>				
Inspector: <u>Bill Hatfield</u>	<u>8-5/8"</u>	<u>317'</u>	<u>317'</u>	<u>81/Pumped 120</u>
Date Permit Issued: <u>July 30, 2004</u>				
Date Well Work Commenced: <u>August 27, 2004</u>	<u>5-1/2"</u>	<u>1671'</u>	<u>1671'</u>	<u>290/Pumped 325</u>
Date Well Work Completed: <u>October 5, 2004</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>XXXX</u> Cable Rig				
Total Depth (feet): <u>1675'</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): 375, 383, 417, 449, 501, 556, 855, 882, 899, 907, 953, 988, 1005, 1111, 1142, 1170, 1215, 1314, 1375, 1384, 1429, 1444, 1516, 1522

OPEN FLOW DATA

Producing formation All Zones Commingled Pay zone depth (ft) _____

Gas: Initial Open Flow 1 MCF/d Oil: Initial Open Flow _____ Bbl/d

Final Open Flow _____ MCF/d Final Open Flow _____ Bbl/d

Time of Open Flow between initial and final tests _____ Hours

Static Rock Pressure 67 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 Aye

DATE: 10-20-04

RECEIVED
Office of Oil & Gas
Office of Chief
OCT 29 2004
WV Department of
Environmental Protection
JAN 14 2005

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960	990	30	SAND STONE / SANDY SHALE / COAL STR / SAND STONE
990	1020	30	SAND STONE / COAL STR / SANDY SHALE / COAL STR
1020	1050	30	SAND STONE / SANDY SHALE
1050	1080	30	SANDY SHALE / COAL 2 / SANDY SHALE
1080	1110	30	SANDY SHALE / SAND STONE / SANDY SHALE
1110	1140	30	SANDY SHALE / COAL STR / SAND STONE STR
1140	1170	30	SAND STONE / SANDY SHALE / COAL 2
1170	1200	30	SAND STONE / SANDY SHALE
1200	1230	30	SAND SHALE / COAL 3 / SAND STONE
1230	1260	30	SAND STONE / SHALE STRKS
1260	1290	30	SANDY SHALE
1290	1320	30	SANDY SHALE / COAL STR / SAND STONE STR
1320	1350	30	SAND STONE / SANDY SHALE STR
1350	1380	30	SANDY SHALE / COAL STRKS / SAND STONE STR
1380	1410	30	SAND STONE / SANDY SHALE STR
1410	1445	35	SANDY SHALE / 2 COAL STR / SAND STONE STR
1445	1475	30	SAND STONE / SANDY SHALE STR
1475	1505	30	SAND STONE / SANDY SHALE STR
1505	1535	30	SANDY SHALE / COAL 3 / SHALE W COAL / SANDY SHALE
1535	1565	30	SANDY SHALE / SAND STONE
1565	1595	30	SAND STONE / SHALE STRKS
1595	1625	30	SAND STONE / SANDY SHALE STRKS
1625	1655	30	SAND STONE
1655	1675	20	SAND STONE / SANDY SHALE

1675.00 FT. TOTAL DEPTH
57.50 FT. OF 13 3/8" CASING
317.35 FT. OF 8 5/8" CASING
1671.55 FT. OF 5 1/2" CASING

1671.55' W/ 5 1/2" CASING
TD 7 7/8" HOLE

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

Well Name Hall Mining 143 PBTB 1670'

Zone and Perforation Table

Frac	1514	1516	Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
Stage 1 Interval	1,520	1522				
N2 Scf	289,000		No Ball Out 48 Balls on Plug @ 1470'		15,000	17,000
Acid	250	15%				
Gel Volume	7,456	GAL				
ISIP	1,763					
ATP	3091					
AIR	30	BPM				
Stage 2 Interval	1,314	1376	1383' - 1385'/1429' - 1431' 1444' - 1446' B/O w/48 Balls 1340'		25,000	26,500
N2 Scf	259,000					
Acid	500	15%				
Gel Volume	8,500	GAL				
ISIP	1,579					
ATP	2,209					
AIR	32	BPM				
Stage 3 Interval	1,312	1314	No Ball Out 1240'		15,000	16,000
N2 Scf	249,000					
Acid	250	7.5%				
Gel Volume	5,500	GAL				
ISIP	1,635					
ATP	3,012					
AIR	29	BPM				
Stage 4 Interval	1,214	1216	No Ball Out 36 Perf Balls on Plug @ 1190'		20,000	21,000
N2 Scf	262,000					
Acid	250	15%				
Gel Volume	6,300	GAL				
ISIP	1,678					
ATP	2,863					
AIR	31	BPM				
Stage 5 Interval	1,110	1112	1141' - 1143'/1169' - 1171' Ball Out w/36 Perf Balls 36 Perf Balls on Plug @ 1030'		35,000	35,500
N2 Scf	388,000					
Acid	600	15%				
Gel Volume	10,155					
ISIP	1,479					
ATP	2,786					
AIR	30	BPM				

Well Name Hall Mining 143

PBTD

1670'

Zone and Perforation Table

	952'	954'	Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
Stage 6 Interval						
N2 Scf	195,000		987' - 989'/1004' - 1006' B/O w/36 Perf Balls 36 Perf Balls 930'		20,000	20,800
Acid	550	15%				
Gel Volume	6,540					
ISIP	1,215					
ATP	2,225					
AIR	30	BPM				
Stage 7 Interval	854	857				
N2 Scf	212,000		881' - 883/898' - 900' B/O w/ 36 Balls No Plug			
Acid	550					
Gel Volume	6,900					
ISIP	1,486					
ATP	2,433					
AIR	30	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						

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