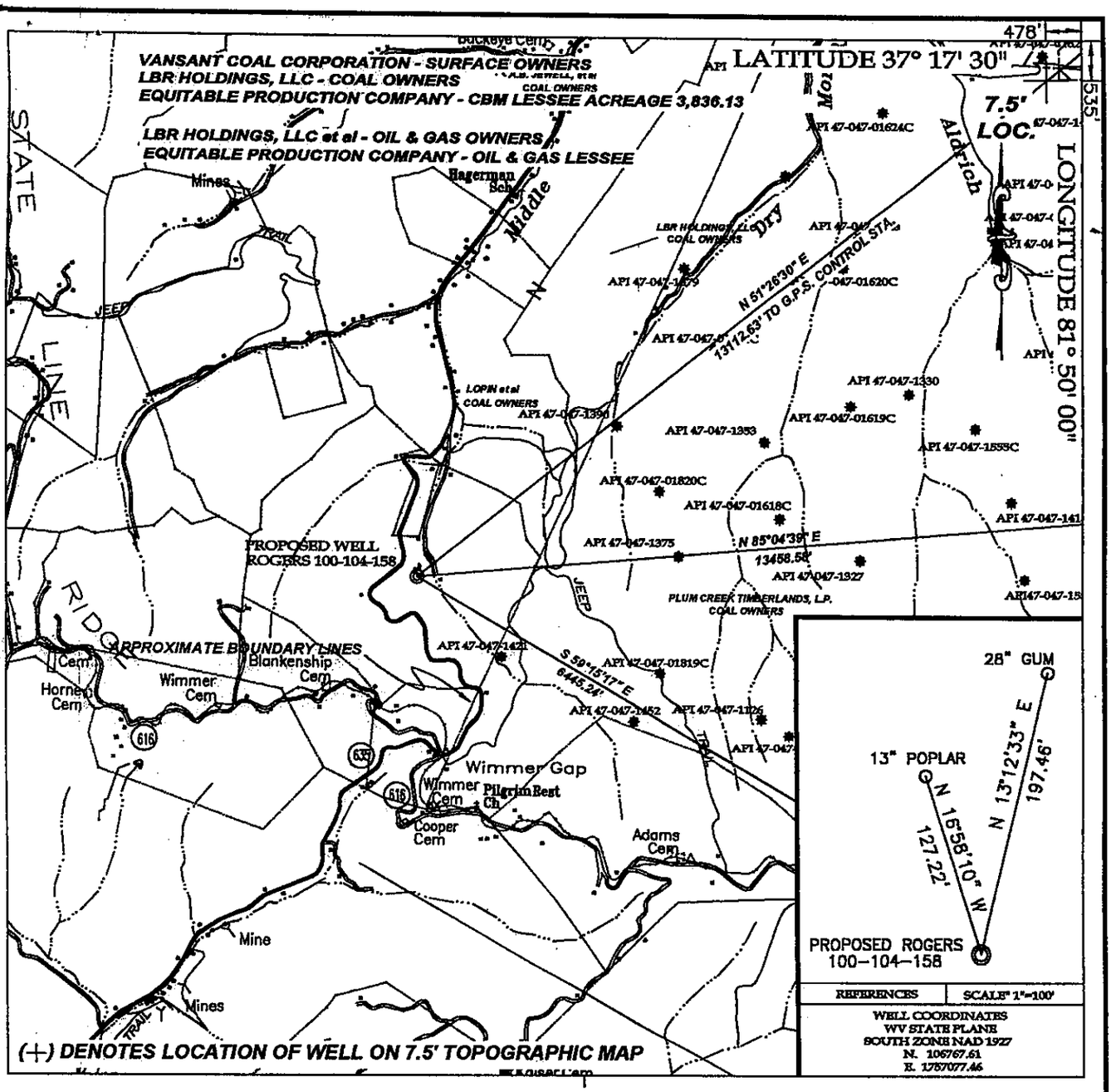

TEE Engineering Company, Inc.

520 Cutten Hill Court
Lexington, KY 40509
(859) 263-5350
Fax (859) 263-5345

P.O. Box 219
Stanville, KY 41659
(606) 478-9024
Fax (606) 478-9019

GeoMet Operating Company, Inc.
Well No. ROGERS 100-104-158

FILE NO. 1883-08/2004 WELLS
DRAWING NO. WELL ROGERS 158 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 ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.

Don F. Blackburn
(SIGNATURE)

R.P.E. _____ R.P.S. 1008

DON F. BLACKBURN
LICENSED
No. 1008
STATE OF WEST VIRGINIA
PROFESSIONAL SURVEYOR
(SEAL)

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

DATE AUGUST 17, 2004
OPERATOR'S WELL NO. ROGERS 100-104-158
API WELL NO. 47 – 047 – 01957-C
STATE COUNTY PERMIT

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

SEP 17 2004

LOCATION: ELEVATION 1,821.29' NORTHING 106767.61 EASTING 1757077.46
DISTRICT SANDY RIVER WATER SHED MIDDLE FORK OF BRADSHAW CREEK
QUADRANGLE BRADSHAW COUNTY McDOWELL
SURFACE OWNER VANSANT COAL CORPORATION ACREAGE ____
CBM ROYALTY OWNER LBR HOLDINGS, LLC LEASE ACREAGE 3,836.13
LEASE NO. RECORDING IN PROGRESS

PROPOSED WORK: DRILL X CONVERT ____ DRILL DEEPER ____ REDRILL ____ FRACTURE OR STIMULATE X 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 1,593'
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

Mc Dow 1957-C

6-6 Bradshaw (270)

WR-35
Rev (5-01)

DATE : October 20, 2004
API #: 47-4701957

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

Well Operator's Report of Well Work

FARM NAME: Vansant Coal Corporation **OPERATOR WELL NO.:** Rogers 100-104-158

LOCATION:
Elevation: 1,821.29' Quadrangle: Bradshaw

District: Sandy River County: McDowell
Latitude: 478' Feet South of 37 Deg. 17 Min. 30 Sec.
Longitude: 535' Feet West of 81 Deg. 50 Min. 00 Sec.

Company: GeoMet Operating Company	Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. Ft.
Address: 5336 Stadium Trace Parkway, Suite 206 Birmingham, Alabama 35244	13-3/8"	40'	40'	
Agent: Gregg Cleary				
Inspector: Bill Hatfield	8-5/8"	312'	312'	79/Pumped 108
Date Permit Issued: September 10, 2004				
Date Well Work Commenced: September 21, 2004	5-1/2"	1589'	1589'	275/Pumped 312
Date Well Work Completed: October 15, 2004				
Verbal Plugging:				
Date Permission granted on:				
Rotary XXXX Cable Rig				
Total Depth (feet): 1595'				
Fresh Water Depth (feet): Unknown				
Salt Water Depth (feet): Unknown				
Is coal being mined in area (N/Y)? No				

Coal Depths (feet): 382, 393, 414, 494, 596, 705, 845, 905, 955, 989, 1029, 1063, 1079, 1121, 1144, 1174, 1198, 1223, 1282, 1317

OPEN FLOW DATA

Producing formation All Zones Commingled Pay zone depth (ft) _____
Gas: Initial Open Flow 163 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 207 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: 10-20-04

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

McDow 1957

DRILL DATA HOLE-NOAH HORN WELL DRILLING, INC

COMPANY: GEOMET HOLE #: ROGERS 158

LOCATION: THREE FORKS DRILL RIG #: 94

DATE STARTED: 09-19-04 DATED COMPLETED: 09-22-04

ELECTRIC LOGGED:YES GROUTED:YES

DEPTH		THICKNESS	STRATA REMARKS
FROM	TO	FT	DESCRIPTION,VOIDS ETC
0	40	40	OVERBURDEN 40' W/ 13 3/8" CASING
40	45	5	
45	61	16	SANDY SHALE / COAL / SANDY SHALE
61	92	31	SANDY SHALE
92	122	30	SANDY SHALE / SAND
122	152	30	SAND / SANDY SHALE / COAL/SANDY SHALE
152	182	30	SANDY SHALE / SAND
182	212	30	SAND
212	332	120	SANDY SHALE 312.55' W/ 8 5/8" CASING
332	360	28	SAND STONE
360	390	30	SAND STONE STR /SANDY SHALE/2 COAL STR
390	420	30	SANDY SHALE /2 COAL STR/SAND STONE STR
420	450	30	SAND STONE / SHALE OR COAL STR
450	480	30	SAND STONE / 2 COAL STRKS
480	510	30	SAND STONE / SANDY SHALE / 2 COAL STR / SAND STONE
510	540	30	SAND STONE / SANDY SHALE STR
540	570	30	SAND SOTNE / SANDY SHALE STR / POSS COAL STR
570	600	30	SAND STONE STR / SANDY SHALE / COAL 2
600	660	60	SANDY SHALE
660	690	30	SANDY SHALE / COAL STR
690	810	120	SAND STONE / SANDY SHALE STRKS
810	840	30	SAND STONE / SANDY SHALE
840	870	30	SAND STONE / COAL 3 / SANDY SHALE STR
870	900	30	SAND STONE / SANDY SHALE STR
900	930	30	COAL STR / SAND STONE / SANDY SHALE
930	960	30	SANDY SHALE / SAND STONE STR / COAL STR
960	990	30	SANDY SHALE / COAL 2 / SAND STOE
990	1020	30	SAND STONE / SANDY SHALE /2 COAL STR
1020	1050	30	SAND STONE STR / SANDY SHALE
1050	1080	30	SANDY SHALE / 2 COAL STR / SAND STONE STR
1080	1110	30	SAND STONE / SANDY SHALE / COAL STR
1110	1140	30	SAND STONE STR / COAL 2 / SANDY SHALE
1140	1170	30	SAND STONE STR / SANDY SHALE
1170	1200	30	SANDY SHALE
1200	1230	30	SANDY SHALE / SAND / SANDY SHALE
1230	1260	30	SANDY SHALE
1260	1290	30	COAL / SAND / SANDY SHALE
1290	1320	30	SANDY SHALE / SAND
1320	1350	30	SAND / SANDY SHALE

47-1957

1350	1380	30	SAND / SANDY SHALE / SAND
1380	1410	30	SANDY SHALE
1410	1440	30	SAND / SANDY SHALE / SAND
1440	1500	60	SANDY SHALE
1500	1560	60	SANDY SHALE / SAND
1560	1595	35	SANDY SHALE / SAND / SANDY SHALE
			1588.75' W/ 5 ½" CASING
			TD 7 7/8" HOLE

1595.00 FT. TOTAL DEPTH
40.00 FT. OF 13 3/8" CASING
312.55 FT. OF 8 5/8" CASING
1588.75 FT. OF 5 ½" CASING

Mc Dow 1957

GeoMet Operating Company, Inc.
Perforation and Frac Volume Specification

Well Name Rogers 158 PBTD 1590'

Zone and Perforation Table

Frac	1431' - 1433'		Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
Stage 1 Interval	1484	1486				
N2 Scf	205,000				10,000	12,000
Acid	250					
Gel Volume	5,420	Gal				
ISIP	4,200			1350'		
ATP	2,704					
AIR	26	BPM				
Stage 2 Interval	1,280	1282			25,000	22,000
N2 Scf	377,000					
Acid	500					
Gel Volume	8,778			1316' - 1318'		
ISIP	1,420			B/O w/ 18 Perf Balls		
ATP	2,715			1250'		
AIR	30	BPM				
Stage 3 Interval	1,174	1176			20,000	14,000
N2 Scf	255,000				SCREENED OUT	
Acid	500			1196' - 1198'/1222' - 1224'		
Gel Volume	6,484			B/O w/30 Perf Balls		
ISIP	4,000			No Plug		
ATP	2,895					
AIR	27	BPM				
Stage 4 Interval	1,120	1122			20,000	
N2 Scf						
Acid	500			1144' - 1146'		
Gel Volume				Communicated w/Stage 3		
ISIP				Ball Out with Stage 4		
ATP						
AIR		BPM				
Stage 5 Interval	1,062	1064			18,000	21,000
N2 Scf	330,000					
Acid	500					
Gel Volume	8,190			1070' - 1080'		
ISIP	1,361			Ball Out w/ 24 Perf Balls		
ATP	2,815			1020'		
AIR	24	BPM				

47-057

Well Name Rogers 158 PBTD 1590'

Zone and Perforation Table

			Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
Stage 6 Interval	954	957				
N2 Scf	274,000		988' - 990 B/O w/ 24 Perf Balls 870'		20,000	14,000
Acid	500					
Gel Volume	6,888					
ISIP	1,474					
ATP	2,394					
AIR	24	BPM				
Stage 7 Interval	844	846			20,000	22,000
N2 Scf	320,000		No Plug B/O			
Acid	250					
Gel Volume	6,880					
ISIP	1,493					
ATP	2,493					
AIR	25.0	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 Interva						
N2 Scf						
Acid						
Gel Volume						
ISIP						
ATP						
AIR						

McDow 1957