

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: Schellhas Operator Well No.: Barnard #1

LOCATION: Elevation: 1029' Quadrangle: Pennsboro 7.5

District: Clay County: Ritchie
Latitude: 6950 Feet South of 39 Deg. 17 Min. 30 Sec.
Longitude 4450 Feet West of 80 Deg. 57 Min. 30 Sec.

Company: GasSearch Corporation

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: <u>13 Industrial Blvd.</u>				
<u>Parkersburg, WV 26104</u>	<u>13 3/8"</u>	<u>31'</u>	<u>31'</u>	
Agent: <u>Noble Zickefoose</u>				
Inspector: <u>Steven Mossor</u>	<u>9 5/8"</u>	<u>301'</u>	<u>301'</u>	<u>to surface</u>
Date Permit Issued: <u>4-14-05</u>				
Date Well Work Commenced: <u>4-28-05</u>	<u>7"</u>	<u>1615'</u>	<u>1615'</u>	<u>to surface</u>
Date Well Work Completed: <u>7-27-05</u>				
Verbal Plugging:	<u>4 1/2"</u>		<u>4976'</u>	<u>to 1800'</u>
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable Rig				
Total Depth (feet): <u>5010'</u>				
Fresh Water Depth (ft.): <u>132'</u>				
Salt Water Depth (ft.): <u>1507'</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>None reported</u>				

OPEN FLOW DATA

Producing formation Benson-Big Injun Pay zone depth (ft) see treatment
Gas: Initial open flow show MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 628 MCF/d Final open flow show Bbl/d
Time of open flow between initial and final tests N/A Hours
Static rock Pressure 350 psig (surface pressure) after 48 Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ 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 _____ psig (surface pressure) after _____ 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: Noble Zickefoose
By: Noble Zickefoose
Date: 11-1-05



Treatment Report

- 1st Stage: Balltown, 2nd Riley, 3rd Riley, Benson- 3929' to 4904'-
38 holes, 1,260 gal. 15% Hcl, 35,000 lbs of 20-40 sand,
177 MCFN2, 590 BBLs of fluid, 25 perf balls.
- 2nd Stage: Weir, Gordon- 2362' to 2885' - 18 holes, 750 gal. 15%
Hcl, 20,000 lbs of 20-40 sand, 89 MCFN2, 403 BBLs of
fluid.
- 3rd Stage: Keener, Big Injun- 1988' to 2023' - 18 holes, 1,000 gal.
15% Hcl, 21,000 lbs of 20-40 sand, 110 MCFN2, 325 BBLs
of fluid.

<u>FORMATION</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>REMARKS</u>
Sand, shale	0'	32'	
Sand, shale, red rock	32'	1400'	Damp @ 132'
Sand, shale	1400'	1878'	Damp @ 1507'
Little lime	1878'	1900'	
Shale	1900'	1920'	
Big lime	1920'	1990'	
Keener	1990'	2010'	
Big Injun	2010'	2050'	
Squaw	2050'	2104'	
Shale	2104'	2350'	
Weir	2350'	2424'	
Siltstone, shale	2424'	2886'	
Gordon	2886'	2898'	
Siltstone and shale	2898'	3910'	
Balltown Section	3910'	4240'	
Siltstone and shale	4240'	4540'	
2nd Riley	4540'	4570'	
Shale	4570'	4750'	
3rd Riley	4750'	4790'	
Siltstone and shale	4790'	5010' - TD	



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304
(304) 926-0450
(304) 926-0452 fax

Joe Manchin III, Governor
Stephanie R. Timmermeyer, Cabinet Secretary
www.wvdep.org

April 14, 2005

WELL WORK PERMIT

New Well


This permit, API Well Number: 47-8509160, issued to GASSEARCH CORPORATION, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-654-3312 and to the Oil and Gas inspector.

Please be advised that form WR-35, well operators report of well work, is to be submitted to this office within 90 days of completion of drilling, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable.

Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced.

If there are any questions, please feel free to contact me or Mr. Al Blankenship at 304-926-0499 ext. 1653.


JAMES MARTIN
Chief,
Office of Oil and Gas

Operator's Well No: BARNARD 1
Farm Name: SCHELLHAS, EARL
API Well Number: 47-8509160
Permit Type: New Well
Date Issued: 04/14/2005

Promoting a healthy environment.

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
 WELL WORK PERMIT APPLICATION

1 539

1) Well Operator GasSearch Corporation 307104 Ritchie Clay Pennsboro
Operator ID County District Quadrangle

2) Operator's Well Number: Barnard #1 3) Elevation: 1029'

4) Well Type: (a) Oil _____ or Gas x
 (b) If Gas: Production x / Underground Storage _____
 Deep _____ / Shallow x

5) Proposed Target Formation(s): 3rd Riley, 2nd Riley, Big Injun

6) Proposed Total Depth: 4900' Feet

7) Approximate fresh water strata depths: 168', 230'

8) Approximate salt water depths: 1543'

9) Approximate coal seam depths: 178', 255'

10) Does land contain coal seams tributary to active mine? NO

11) Describe proposed well work Drill and complete new well

OKS.M. 4-12-05

12) CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor	13 3/8			30'		
Fresh Water						
Coal	9"	ERW	231b	295'	295'	To surface
Intermediate	7"	ERW	161b	1580'	1580'	To surface
Production	4 1/2"	J-55	10.51b		4850'	To 1700'
Tubing						
Liners						

Packers: Kind _____
 Sizes _____
 Depths Set _____

RECEIVED
 Office of Oil & Gas
 Office of Chief
 APR 13 2005
 WV Department of
 Environmental Protection

*CK# 1497
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