

NOTES:
 All known oil & gas wells within 3,000' of the proposed location are shown hereon.
 The bearings and distances shown hereon are based on the West Virginia State Plane Coordinate System, South Zone NAD '27.

West Virginia State Plane Coordinates
 South Zone, NAD '27 for Location
 Well No. 1
 N 410,751.22 : E 1,584,114.74

FILE NO. 4653 WW
 DRAWING NO. 1WW6
 SCALE 1" = 600'
 MINIMUM DEGREE OF ACCURACY 1:21,917
 PROVEN SOURCE OF ELEVATION U.S.C.&G.S. BM "F-149"
Elev. = 644.88 NGVD '29

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 THE LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.
 (SIGNED) Ronald L. Eastham
 R.P.E. _____ L.L.S. 150



STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
 NITRO, WV



DATE January 8, 1999
 OPERATOR'S WELL NO. 1
 API WELL NO. 47-099-01982
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 835.14 WATER SHED Drift Branch of the West Fork of Twelvepole Creek
 DISTRICT Lincoln COUNTY Wayne
 QUADRANGLE Radnor

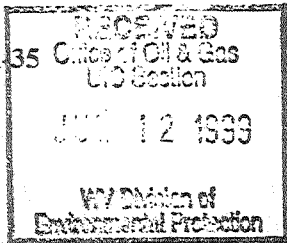
SURFACE OWNER Frank Jude, et ux ACREAGE 119 (T.M. 2, Par. 46)
 OIL & GAS ROYALTY OWNER Nell Click Marshall, et al LEASE ACREAGE 305
 LEASE NO. 47-10370

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) 6-6 353

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION Big 6 ESTIMATED DEPTH 4050'
 WELL OPERATOR Cabot Oil & Gas Corp. DESIGNATED AGENT John Abshire
 ADDRESS P.O. Box 454 ADDRESS P.O. Box 454
Glasgow, WV 25080 Glasgow, WV 25080

COUNTY NAME WAYNE
 PERMIT 1982

APR 5 1999



WR-35 Office of Oil & Gas
LIS Section

Date: 6-Jul-99
API # 47-099-01982

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

Reviewed [Signature]

Farm name: Jude, Frank Operator Well No.: Marshall #1

LOCATION: Elevation: 835.14' Quadrangle: Radnor
District: Lincoln County: Wayne
Latitude: 2,135 feet South of 38 DEG. 7 MIN. 30 SEC.
Longitude: 8,350 feet West of 82 DEG. 25 MIN. 0 SEC.

Company: Cabot Oil & Gas Corporation
400 Fairway Drive: Suite 400
Coraopolis, PA 15108-4308

Agent: John Abshire
Inspector: David Belcher
Permit Issued: 4/1/99
Well Work Commenced: 4/27/99
Well Work Completed: 6/4/99
Verbal Plugging
Permission granted on: _____
Rotary X Cable _____
Total Depth (feet) 4074'
Fresh Water Depths (ft) 71'
Salt Water Depths (ft) 910', 1100'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill up Cu. Ft.
16"	30'	30'	
9-5/8"	530.10'	530.10'	210 sks Class "A"
7"	1679.85'	1679.85'	255 sks Class "A"
4-1/2"	4028.10'	4028.10'	105 sks latex

Is coal being mined in area (Y / N)? _____
Coal Depths (ft) _____

OPEN FLOW DATA

Producing formation Big Six Pay zone depth (ft) 3902' - 3909'
Gas: Initial open flow 189 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 103 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock pressure 103 psig (surface pressure after 72 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.

For: CABOT OIL & GAS CORPORATION

By: [Signature]
Date: 7/8/99

JUL 19 1999

WAY 1982

OPEN FLOW DATA

Perf'd Big Six from 3902'-3909'. Broke down with 250 gals of 15% acid. Displaced with 1 bbls 15% HCl @ 1 bpm. BDP: 2715 psi. Treated with 9000 gals gelled 15% HCl acid. ATP: 2780 psi. MTP: 3080 psi. ATR: 2 bpm. ISIP: 1780 psi.

<u>FORMATION</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>REMARKS</u>
Silt/Shale	0	854	
Sand	854	1215	
Shale	1215	1275	
Little Lime	1275	1320	
Big Lime	1320	1475	
Silt/Shale	1475	1564	
Injun	1564	1586	
Shale	1586	2092	
Berea	2092	2180	
Shale	2180	3203	
Onondaga	3203	3300	
Helderberg Limestone	3300	3498	
Dolomite	3498	3900	
Big Six	3900	3936	
Silt/Shale	3936	3955	
Shale	3955	4074 - TD	