

LATITUDE 39-25-00

SCALD COOR.:

3,130' SOUTH  
5,280' WEST

NAD 27:

39-24-28.29  
80-51-06.70

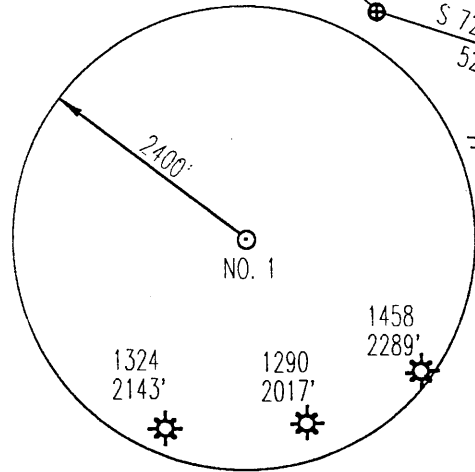
1.60  
1.00

WEEKLEY

LONGITUDE 80-05-08

CARL W. ASH (O&G)  
R. J. UNDERWOOD, JR. (SUR.)

77.61 AC. +/-



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

WELL REFERENCES:

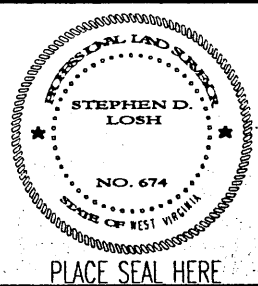
S25-00W, 154' TO 24" HICKORY  
S35-00E, 81.50' TO FOUR FORKED CHERRY

FILE NUMBER: \_\_\_\_\_  
DRAWING NUMBER: DOMCASH1.PCS  
SCALE: 1" = 400'  
MINIMUM DEGREE OF ACCURACY: 1 IN 200  
PROVEN SOURCE OF ELEVATION: DGPS SURVEY 06/07/00  
SUBMETER SYSTEM

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 ENERGY.

(SIGNED) 

STEPHEN D. LOSH, P.S. #674



STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS  
FORM WW-6 #10 McJUNKIN ROAD  
NITRO, WV 25143-2506

LAND SURVEYING SERVICES  
21 CEDAR LANE, BRIDGEPORT, WV 26330  
PHONE: 304-842-2018 OR 842-5762

DATE: JUNE 12, 2000

OPERATORS WELL NO.: CARL ASH #1

API WELL NO. 47-095-01695

STATE COUNTY PERMIT

STATE 47 COUNTY 095 PERMIT 01695

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

LOCATION: ELEVATION 834.06' WATERSHED MIDDLE ISLAND CREEK

DISTRICT CENTERVILLE COUNTY TYLER

QUADRANGLE SHIRLEY LEASE NUMBER \_\_\_\_\_

SURFACE OWNER RALPH J. UNDERWOOD, JR. ACREAGE 77.61

OIL & GAS ROYALTY OWNER CARL W. ASH LEASE ACREAGE 88

PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION   
PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE (SPECIFY) \_\_\_\_\_

PLUG & ABANDON  CLEAN OUT & REPLUG

TARGET FORMATION BENSON ESTIMATED DEPTH 5000

WELL OPERATOR DOMINION APPALACHIAN DEVELOPMENT DESIGNATED AGENT RODNEY BIGGS

ADDRESS P. O. BOX 1248 JANE LEW, WV 26378 ADDRESS P. O. BOX 1248 JANE LEW, WV 26378

COUNTY NAME PERMIT

6-6 32

1695

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

Reviewed \_\_\_\_\_

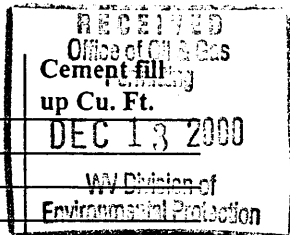
Well Operator's Report of Well Work

Farm name: Underwood, Ralph J., Jr. Operator Well No.: Carl Ash #1 (11875)

LOCATION: Elevation: 834.06 Quadrangle: Shirley

District: Centerville County: Tyler  
Latitude: 3130 Feet South of 39 Deg. 25 Min. 00 Sec.  
Longitude 5280 Feet West of 80 Deg. 50 Min. 00 Sec.

Company: Dominion Exploration & Production, Inc,  
(Dominion Appalachian Development, Inc.)



	Casing & Tubing	Used in drilling	Left in well	
P O Box 1248				
Address: Jane Lew, WV 26378				
Agent: Rodney J. Biggs				
Inspector: Mike Underwood				
Date Permit Issued: 8/0/00				
Date Well Work Commenced: 10/02/00	11 3/4	170'	170'	68 sks
Date Well Work Completed: 10/23/00				
Verbal Plugging:	8 5/8	1235'	1235'	275 sks
Date Permission granted on:				
Rotary X Cable Rig	4 1/2	4889'	4889'	725 sks
Total Depth (feet):				
Fresh Water Depth (ft.): 95', 240', 1290'				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): N/A				

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) 4832-4838'  
Gas: Initial open flow 1.38M MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 395 MCF/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 12 Hours  
Static rock Pressure 450 psig (surface pressure) after 4 Hours

Second producing formation Injun Keener Pay zone depth (ft) 1894-1902' / 1832-1848'  
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

\* Commingled

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: Ron Biggs

By: \_\_\_\_\_

Date: 12/11/00

JAN 5 2001

TYL 1695

COMPANY/WELL NO.: DOMINION - CARL ASH #1

10/22/2000 RAN CBL L.T.D.=4858' PLAN TO RERUN LOG

12/01/2000

PERFED AND FRACED AS FOLLOWS: BENSON, 4832-4838', 18 HOLES, BD = 1860#, AVG RATE 20 BPM, AVG PRESS 3089#, 261 BBLS, 410 MSCFN2, TOT SAND 39,000#, ISIP 1800#  
INJUN, 1894-1902', 16 HOLES, BD = 1876#, AVG RATE 20 BPM, AVG PRESS 2489#, 136 BBLS, 180 MSCFN2, TOT SAND 26,000#, ISIP 1400#  
KEENER, 1832-1848', 18 HOLES, BD = 1430#, AVG RATE 20 BPM, AVG PRESS 2546#, 80 BBLS, TOT SAND 11,000#, ISIP 1940#

10/24/2000 SICP = 490#. DRILLED FRAC BAFFLES OUT. TD AT 4830'. O.F. = 273 MCF.

10/25/2000 RIG ON WELL. R.P. = 450# O.F. = 395 MCF TD = 4858' SHUT WELL IN, MOVED OFF LOCATION. PIT READY TO TREAT AND RELEASE

10/27/2000 WAITING ON PIPELINE

11/13/2000 PIPELINE COMPLETED. TIL - 475#. PRODUCING AT 171 MCF/D.

FINAL REPORT

Big Lime	1750	-	1815'
Big Injun	1815	-	1975'
Weir	2100	-	2250'
Gordon	2510	-	2610'
Riley	4420'	-	4460'
Benson	4830	-	4850'
TD			5011'