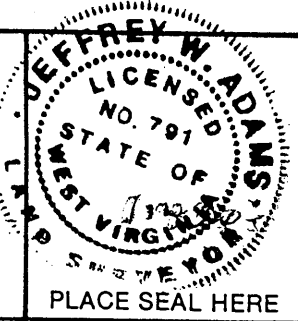


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. 1
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION B.M. 1680' SW of Location: elev. 1879'

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) Jeffrey H. Adams
 R.P.E. _____ L.L.S. 791



STATE OF WEST VIRGINIA
 Division of Environmental Protection
 OFFICE OF OIL AND GAS

DATE August 17, 19 98
 OPERATOR'S WELL NO. 912101
 API WELL NO. 47-077-00317
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1856 WATERSHED Deckers Creek
 DISTRICT Valley COUNTY Preston
 QUADRANGLE Newburg 7 1/2'

SURFACE OWNER Frances Jean Krasco ACREAGE 107
 OIL & GAS ROYALTY OWNER Rex W Born et al LEASE ACREAGE 107 ac. out of 266 ac.
 LEASE NO. 7004360

PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) 6-6 313

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION Huntersville Chert ESTIMATED DEPTH 8500
 WELL OPERATOR Alamco, Inc. DESIGNATED AGENT R. Mark Hackett
 ADDRESS Rt. 1 Box 107-10, Buckhannon, WV 26201 ADDRESS Rt. 1 Box 107-10, Buckhannon, WV 26201

COUNTY NAME P.R.E.
 PERMIT 0317

WR-35

API # 47 - 077-00317

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

Well Operator's Report of Well Work

Farm name: Holmes "B" Unit #3

Operator Well No.: 2101

LOCATION: Elevation: 1856.00 Quadrangle: Newburg
District: VALLEY County: PRESTON
Latitude: 225 Feet South of 39 Deg. 30 Min. 0 Sec.
Longitude: 6400 Feet West of 79 Deg. 50 Min. 0 Sec.

Company: COLUMBIA NATURAL RESOURCES
RR 1, BOX 107-10
BUCKHANNON, WV 26201-0000

Agent: MARK HACKETT

Inspector: PHILLIP TRACY

Permit Issued: 10/06/98

Well work Commenced: 10/23/98

Well work Completed: 11/07/98

Verbal Plugging

Permission granted on: _____

Rotary X Cable _____ Rig

Total Depth (ft) 7914

Fresh Water Depths (ft) 40,250

Salt Water Depths (ft) 2590

Casing & Tubing	Used In Drilling	Left In Well	Cement Fill Up Cu. Ft.
Size			
11-3/4"	303'	303'	CTS 150 SXS
8-5/8"	2976'	2976'	840 SXS
4 -1/2"	7903'	7903'	190 SXS
2- 3/8"	7558'	7558'	N/A

Is coal being mined in area (Y/N)? N

Coal Depths (ft): 126

OPEN FLOW DATA

Producing formation Huntersville Chert Pay zone depth (ft) 7557-7684

Gas: Initial open flow 0 MCF/d Oil: 0 Initial open flow 0 Bbl/d

Final open flow 987 MCF/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 4 Hours

Static rock pressure 1750 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.

RECEIVED
Office of Oil & Gas
Permitting

JAN 07 1999

WV Division of
Environmental Protection

For: COLUMBIA NATURAL RESOURCES - ALAMCO

By: [Signature]

Date: 1/2/99

JAN 10 1999

PRE 0317

Perforations : Huntersville Chert 28 HOLES (7557'-7684' KB)

Frac'd w/30 # gel, 5% HCL solution, 15,000 # 80/100, 60,000 # 20/40 sd.

FORMATION RECORD

FROM	TO	ROCK TYPE (described rock types and other minerals penetrated and record occurrences of oil, gas and water from surface to total depth)	FROM	TO	ROCK TYPE (described rock types and other minerals penetrated and record occurrences of oil, gas and water from surface to total depth)
0	126	SAND & SHALE			
126	129	COAL			
129	706	SAND & SHALE			
706	1168	GREENBRIER LIMESTONE			
1168	1861	SAND & SHALE			WATER: 1 1/4" stream @ 40' (fresh)
1861	1914	4 TH SAND			3" stream @ 250' (fresh)
1914	1986	SAND			2 1/2" Stream @ 2590' (salt)
1986	2051	5 TH SAND			
2051	2690	SAND & SHALE			COAL: 126'-129'
2690	2719	SPEECHLEY			
2719	2942	SAND & SHALE			GAS CHECKS: ALL NO SHOW
2942	2948	BALLTOWN			
2948	7138	SHALE			
7138	7226	TULLY			
7226	7444	HAMILTON			
7444	7539	MARCELLUS			
7539	7556	ONONDAGA			
7556	7688	CHERT			
7688	7736	NEEDMORE			
7736	7851	ORISKANY			
7851		HELDERBERG			
	7914	DTD			
	7917	LTD			