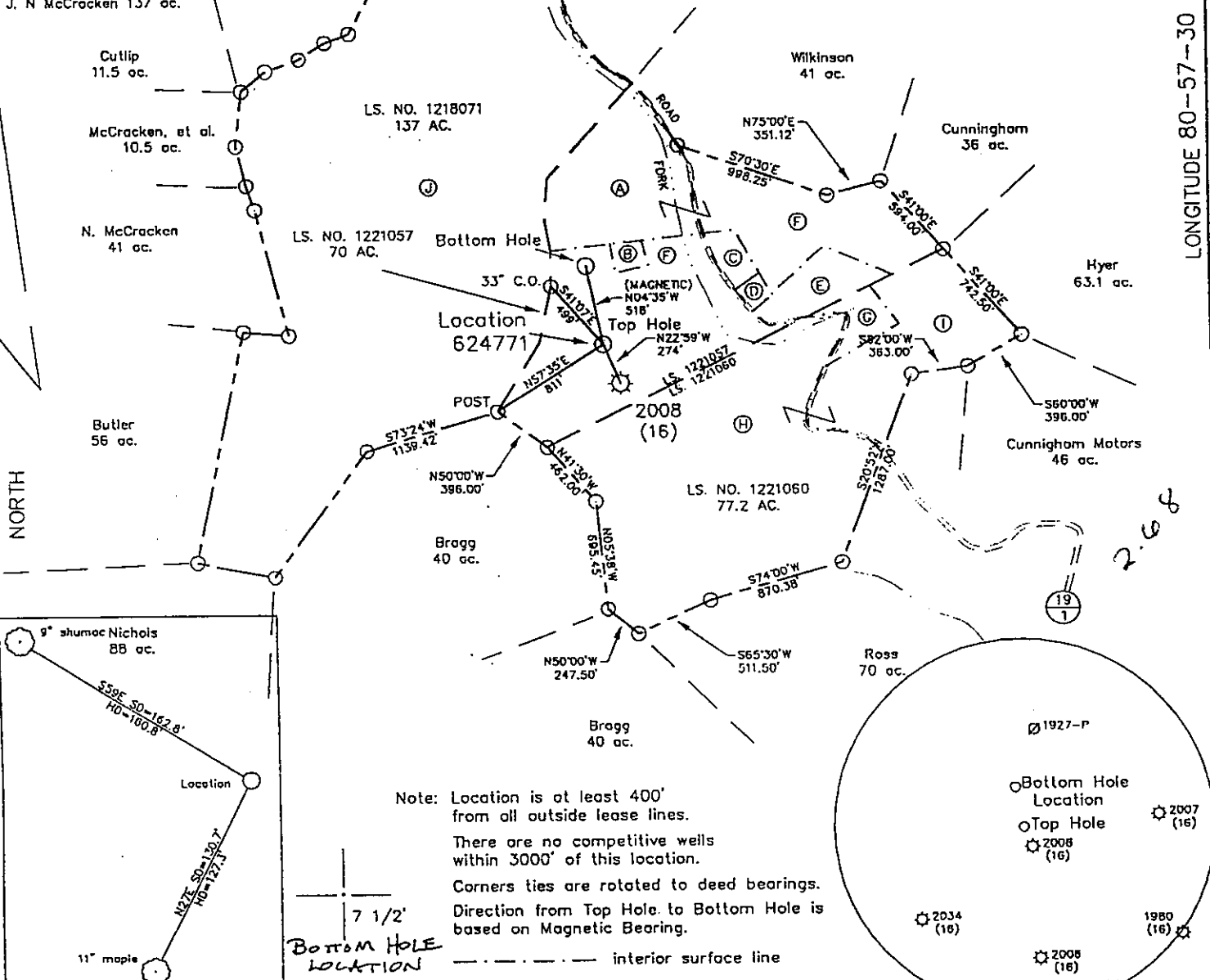


Surface Tracts:

- A. Copen 18 ac.
- B. Burckhammer 1 ac.
- C. Haynes 1,456 ac.
- D. Grose 1.22 ac.
- E. R. Grose 3,713 ac.
- F. Cutlip 40.57 ac.
- G. R. Grose 3 ac.
- H. T. McCracken 57.49 ac.
- I. M. Ross 16.83 ac.
- J. N. McCracken 137 ac.

Bottom Hole X,Y Coordinates State Plane WV South NAD 27
 X = 2000714
 Y = 577615

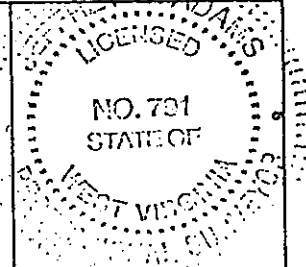


Note: Location is at least 400' from all outside lease lines.
 There are no competitive wells within 3000' of this location.
 Corners ties are related to deed bearings.
 Direction from Top Hole to Bottom Hole is based on Magnetic Bearing.

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

FILE NO. _____
 DRAWING NO. 1
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION Top of Knob 1600'
West of location El. 1564'

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) [Signature]
 R.P.E. _____ L.L.S. 791



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

DATE January 17, 2002
 OPERATOR'S WELL NO. 624771
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION X STORAGE ___ DEEP X SHALLOW ___
 LOCATION: ELEVATION 1309 WATER SHED Moore Run

DISTRICT Otter COUNTY Clay
 QUADRANGLE Strange Creek

SURFACE OWNER Woodrow W. Cutlip, et ux. ACREAGE 41.61
 OIL & GAS ROYALTY OWNER Rev. Charles A. Rogers, POA for Elizabeth Morris LEASE ACREAGE 70

LEASE NO. 1221057
 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) _____

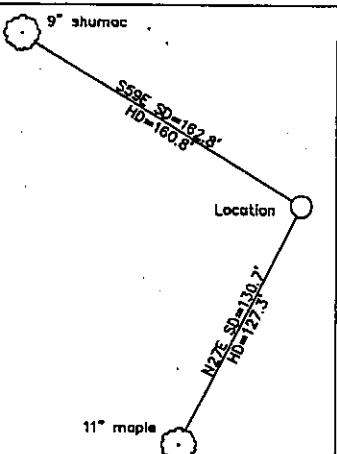
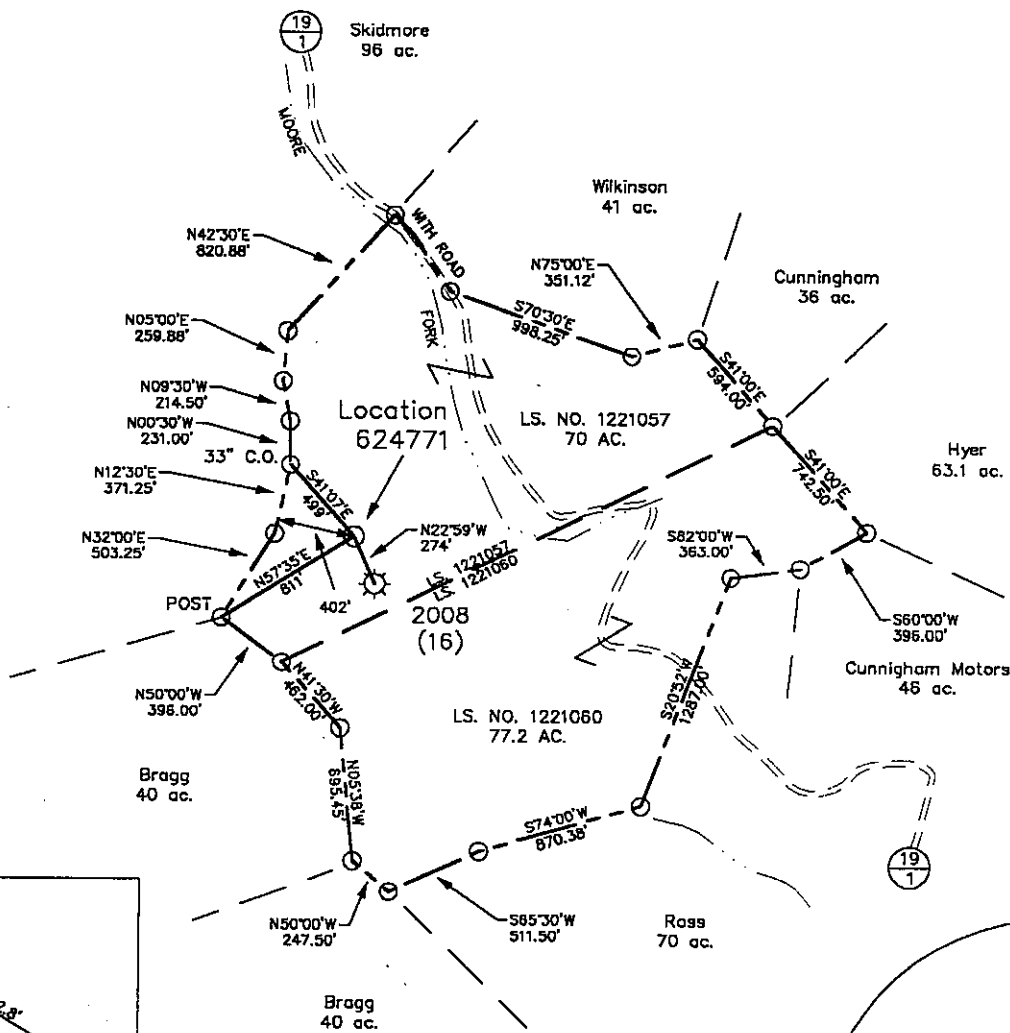
PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION Basement ESTIMATED DEPTH 15,000'
 WELL OPERATOR Columbia Natural Resources, Inc. DESIGNATED AGENT Thomas Blake
 ADDRESS P.O. Box 6070, Charleston, WV 25362 ADDRESS P.O. Box 6070, Charleston, WV 25362

JAN 25 2002

DEEP WELL 3-3 203 DIV

COUNTY NAME CLAY
 PERMIT 2644 Rev.

NORTH

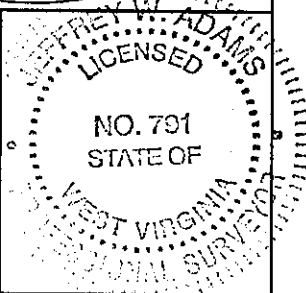


Note: Location is at least 400' from all outside lease lines. There are no competitive wells within 3000' of this location.

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

FILE NO. _____
 DRAWING NO. 1
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION Top of Knob 1600'
West of location EL. 1564'

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 W. Adams
 R.P.E. _____ L.L.S. 791



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

DATE September 10, 2001
 OPERATOR'S WELL NO. 624771
 API WELL NO. _____

WELL TYPE: OIL _____ GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS") PRODUCTION X STORAGE _____ DEEP X SHALLOW _____
 LOCATION: ELEVATION 1309' WATER SHED Moore Run

DISTRICT Otter COUNTY Clay
 QUADRANGLE Strange Creek
 SURFACE OWNER Woodrow W. Cutlip, et ux. ACREAGE 41.61
 OIL & GAS ROYALTY OWNER Rev. Charles A. Rogers, POA for Elizabeth Morris LEASE ACREAGE 70
 LEASE NO. 1221057

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) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION Basement ESTIMATED DEPTH 15,000'
 WELL OPERATOR Columbia Natural Resources, Inc. DESIGNATED AGENT Thomas Blake
 ADDRESS P.O. Box 6070, Charleston, WV 25362 ADDRESS P.O. Box 6070, Charleston, WV 25362

COUNTY NAME CLAY
 PERMIT 2644

DEEP

DATE: February 11, 2004

API: 47-015-02644

AP

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

Farm name: Cutlip, Woodrow
 Location Elevation: 1309'
 District: Otter

Operator Well No: 624771
 Quadrangle: Strange Creek
 County: Clay

COLUMBIA NATURAL RESOURCES	Casing & Tubing	Used in drilling	Left in Well	Cement fill up Cu.Ft.
Address: P.O. Box 6070	30"	21'	21'	9 Yards ready-mix
Charleston, WV 25362	20"	375'	375'	854
Agent: Mike John	13 3/8"	2143'	2143'	1929
Inspector: Rich Campbell	9 5/8"	6960'	6960'	356
Date Permit Issued: 01/23/2002	7"	10,599	10,599	1265
Date Well work commenced: 01/23/2002	2 7/8"		10,532	2 7/8" x 7" Baker Reliant Packer Set at 10,532 ft
Date Well Work completed: 7/15/2002 **				
Verbal Plugging: *Plugged back orig. hole on 5/15/02				
Date Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet): 11,851 original hole* 12,263 ft side track hole				
Fresh Water Depth (ft):				
Salt Water Depth (ft.): 1151, 1667				
Is coal being mined in area (No)				
Coal Depths (ft): 813-816				
*Original hole plugged back from 11,712 ft to 10,260 ft with 325 sacks Class H cement. KOP of side track was 10,615 ft.				

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 Office of Oil & Gas
 FEB 13 2004
 WV Department of Environmental Protection

**Operations of well was turned over to EAE Corporation for further uphole stimulations. Columbia Natural Resources will be submitting paperwork to transfer this well to EAE's operating bond.

Original Hole **OPEN FLOW DATA**

Producing formation: Trenton/Black River

Pay zone depth (ft) from 10,599 to 11,851

Gas: Initial open flow MCF/d

Oil: Initial open flow Bbl/d

Final open flow Show TSTM MCF/d

Final open flow Bbl/d

Time of open flow between initial and final tests Hours

Static rock Pressure N/A psig (surface pressure) after N/A Hours

Side Track Hole

2nd producing formation: Trenton/Black River

Pay zone depth (ft) from 10,599 to 12,263

Gas: Initial open flow MCF/d

Oil: Initial open flow Bbl/d

Final open flow 15,000 MCF/d NATURAL

Final open flow Bbl/d

Time of open flow between initial and final tests 4 Hours

Static rock Pressure 4450 psig (surface pressure) after 120 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.

WELL OPERATOR: COLUMBIA NATURAL RESOURCES, INC.

DEEP WELL

By: *[Signature]*

Date: 2-12-04

CLAY 2644

**Columbia Natural Resources
Morris 824771
Otter District, Clay County, WV
47-015-02644
Original Hole**

Formation	Top (MD)	Base (MD)	Top (TVD)	Base (TVD)
Siltstone & shale	0	1584		
Salt Sand	1584	1666		
Siltstone & shale	1666	1858		
Maxon Sand	1858	1942		
Little Lime	1942	1976		
Pencil Cave	1976	2024		
Big Lime	2024	2118		
Injun Sand	2118	2158		
Pocono Shale	2158	2574		
Coffee Shale	2574	2596		
Berea Siltstone	2596	2599		
Devonian Shale	2599	3486		
Lower Huron	3486	5420		
Rhinestreet Shale	5420	6482		
Marcellus Shale	6482	6522		
Onondaga Lime	6522	6707		
Oriskany Sand	6707	6740		
Helderberg Lime	6740	7148		
Salina Dolomite & Shale	7148	7762		
Newburg Sand	7762	7778	7752	7767
McKenzie Limestone	7778	8130	7767	8116
Keefer Sandstone	8130	8158	8116	8144
Rose Hill Shale	8158	8650	8144	8632
Tuscarora Sandstone	8650	8778	8632	8756
Juniata Shale	8778	9428	8756	9376
Martinsburg Shale	9428	10856	9376	10724
Trenton Limestone	10856	11000	10724	10873
Black River Limestone	11000	11880 LTD	10873	11730 LTD

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FEB 13 2004
WV Department of
Environmental Protection

**Columbia Natural Resources
Morris 824771-A
Otter District, Clay County, WV
47-015-02644
Kick Hole**

Formation	Top (MD)	Base (MD)	Top (TVD)	Base (TVD)
Martinsburg Shale		10874		10696
Trenton Limestone	10874	11052	10696	10830
Black River Limestone	11052	12014	10830	11626
Wells Creek Ls & Dolo	12014	12250 LTD	11626	11792 LTD

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WV Department of
Environmental Protection

CLAY 2644

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MAR 13 2004