

NUMBER	DIRECTION	DISTANCE
L1	N46°51'E	485'
L2	S57°44'E	222.93'
L3	S84°00'E	293.47'
L4	N25°00'W	495.00'
L5	S08°30'W	296.0'

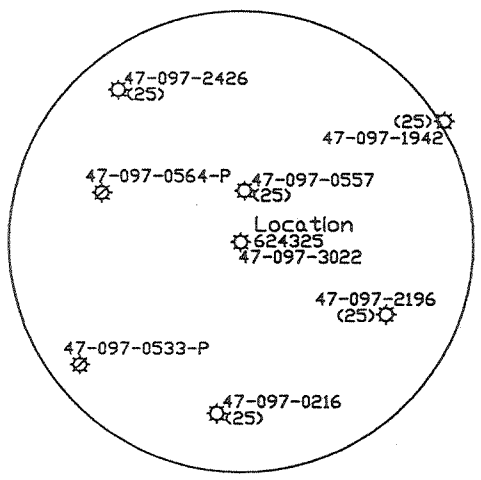
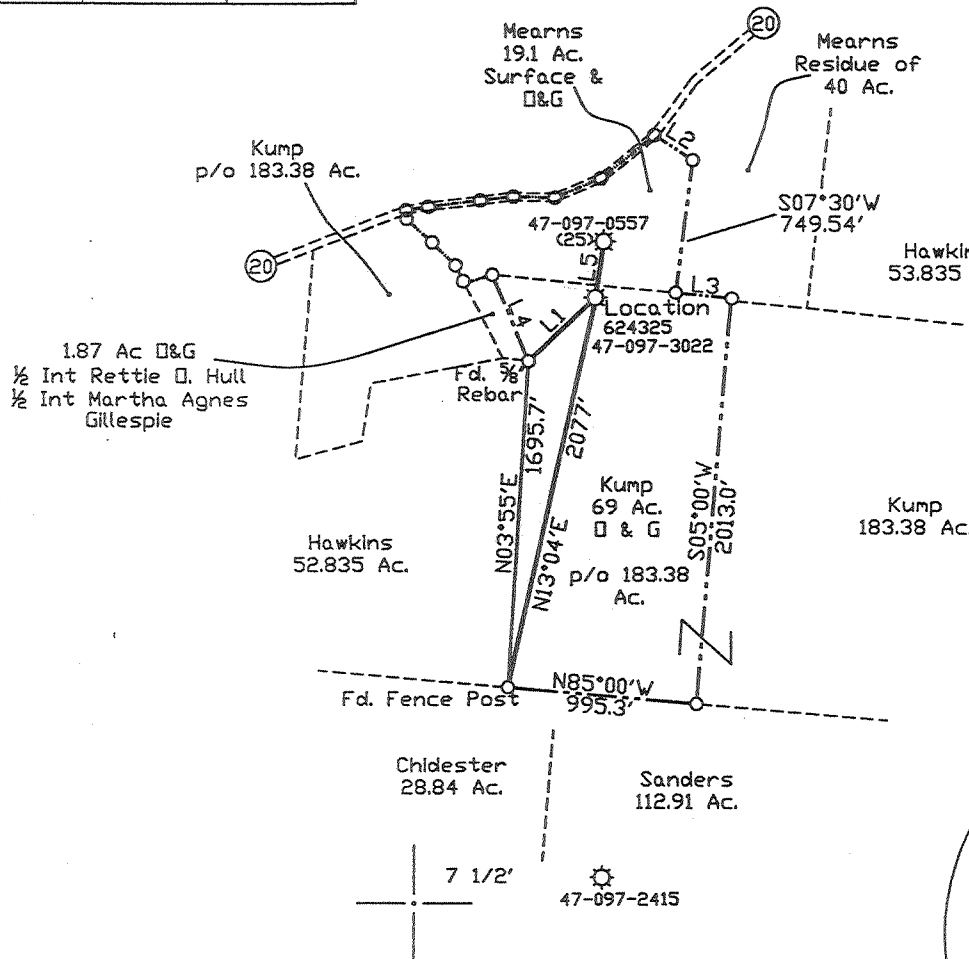
WGS 84 Coordinates
 N 38.842367
 W 80.3280199

Geographic Coordinates
 NAD 27
 N 38.842266
 W 80.328214

NORTH

LONGITUDE 80°17'30" W

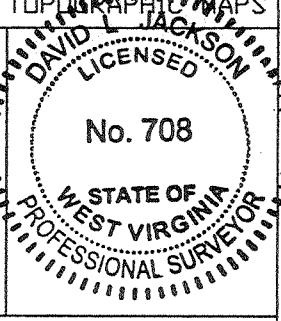
11,810



(+) 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 GPS submeter unit

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) David L Jackson
 R.P.E. _____ L.L.S. 708



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

DATE July 17, 2007
 OPERATOR'S WELL NO. 624325
 API WELL NO. _____

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

LOCATION: ELEVATION 1,770' WATER SHED Flatwoods Run
 DISTRICT Banks COUNTY Upshur
 QUADRANGLE Rock Cave 7 1/2

SURFACE OWNER Cyrus Kerr Kump & Susan Kemp Kump ACREAGE 183.38
 OIL & GAS ROYALTY OWNER Cyrus Kerr Kump & Susan Kemp Kump LEASE ACREAGE 69
 LEASE NO. 3-056103-00

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

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION Marcellus ESTIMATED DEPTH 7042'
 WELL OPERATOR Chesapeake Appalachia, LLC DESIGNATED AGENT Michael John
 ADDRESS P.O. Box 6070, Chareleston, WV 25362 ADDRESS P.O. Box 6070, Chareleston, WV 25362

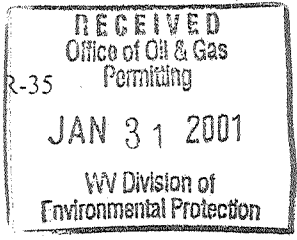
COUNTY NAME

PERMIT

UP S

3022

P



WR-35

DATE: 07/20/00
API #: 47-097-03022

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

Well Operator's Report of Well Work

Farm name: HAMNER, ARNIE DORIS Operator Well No.: 624325

LOCATION: Elevation: 1769 Quadrangle: ROCK CAVE

District: BANKS County: Upshur
Latitude: 11900 Feet South of 38 Deg. 52 Min. 30 Sec.
Longitude 10475 Feet West of 80 Deg. 17 Min. 30 Sec.

Company: COLUMBIA NATURAL RESOURCES

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: Rt. 1, Box 107-10	8-5/8	1768	1768	CTS
Buckhannon, WV 26201	4-1/2	7449	7449	180 SXS
Agent: R. Mark Hackett				
Inspector: Tim Bennett				
Date Permit Issued: 07/20/00				
Date Well Work Commenced: 11/07/00				
Date Well Work Completed: 01/15/01				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig				
Total Depth (feet): 7500				
Fresh Water depths (ft): 79,105				
Salt water depths (ft): 2235				
Is coal being mined in area (Y/N)? <input checked="" type="checkbox"/>				
Coal Depths (ft):				

OPEN FLOW DATA

Producing formation Oriskany/Chert Pay zone depth (ft) 7062 - 7270
** Gas: Initial open flow 60 MCF/d Oil: Initial open flow N/A Bbl/d
** Final open flow 2320 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 4 Hours
** Static rock Pressure 2450 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

** Comingled

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: COLUMBIA NATURAL RESOURCES, INC.

By: R. Mark Hackett

Date: 1/26/01

FEB 23 2001

DEEP WELL

UPS 3022

