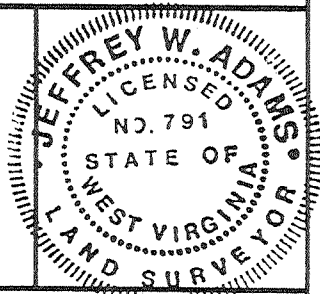


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. \_\_\_\_\_  
 DRAWING NO. 1  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION BM 3600' NW of Location EL. 1544'

I THE UNDERSIGNED, HERBY 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 June 15 1999  
 OPERATOR'S WELL NO. 623867  
 API WELL NO. \_\_\_\_\_

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

LOCATION: ELEVATION 2110' WATER SHED Long Run  
 DISTRICT Hacker Valley COUNTY Webster  
 QUADRANGLE Hacker Valley

SURFACE OWNER Helen G. Moore ACREAGE 256.3  
 OIL & GAS ROYALTY OWNER Helen G. Moore LEASE ACREAGE 256.30  
 LEASE NO. 1212431

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 Oriskany ESTIMATED DEPTH 8,102'  
 WELL OPERATOR Columbia Natural Resources, Inc. DESIGNATED AGENT W. A. Watson, Jr.  
 ADDRESS P.O. Box 6070, Charleston, WV 25362 ADDRESS P.O. Box 6070, Charleston, WV 25362

APR 26 2000

COUNTY NAME WEBSTER PERMIT 00288 P

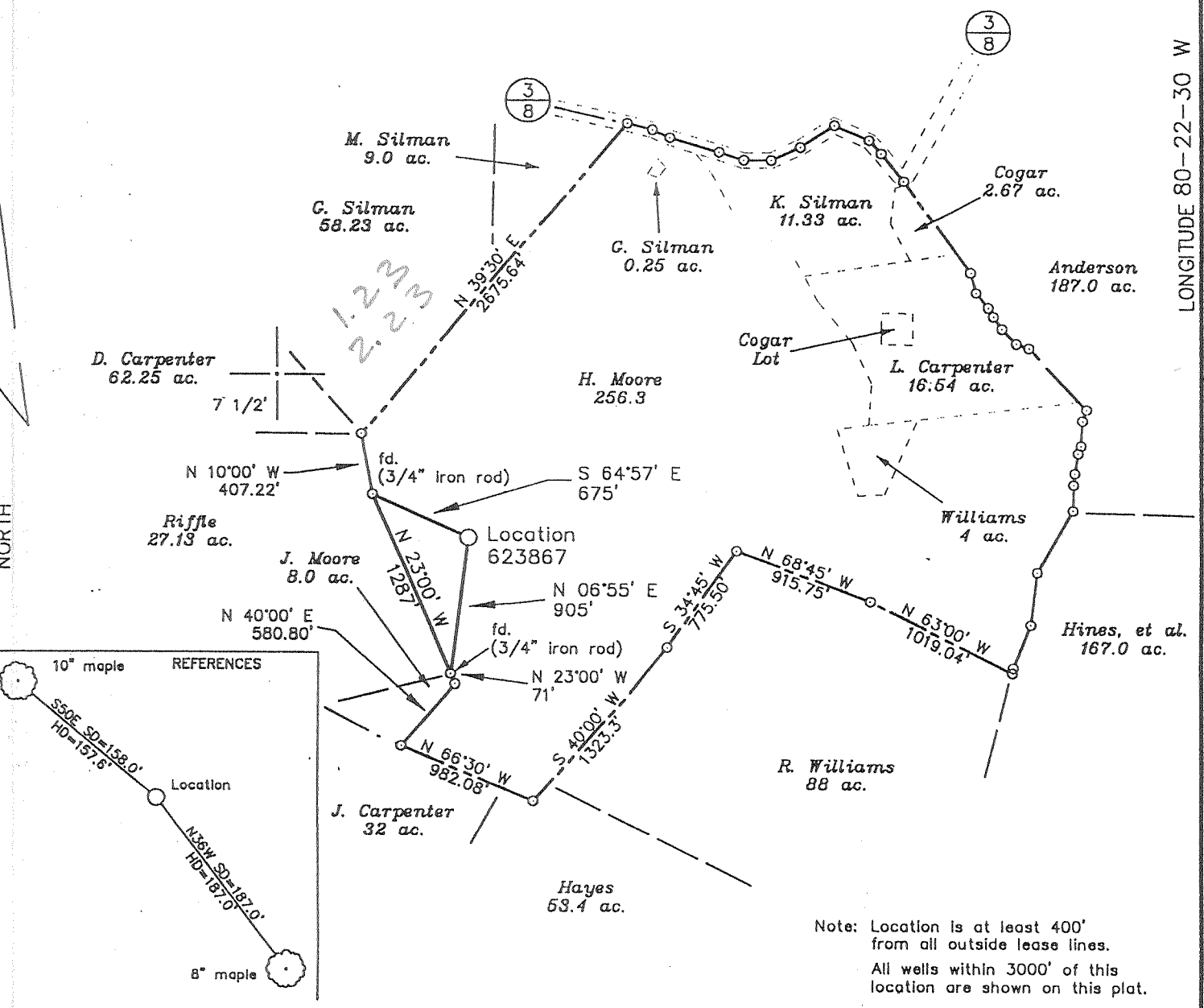
FORM WW-6

11,800'

LATITUDE 38-40-00 N

LONGITUDE 80-22-30 W

6,500'

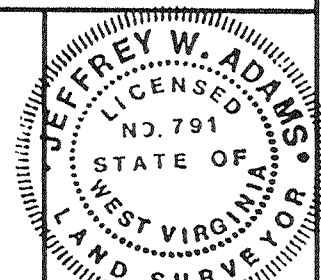


Note: Location is at least 400' from all outside lease lines. All wells within 3000' of this location are shown on this plat.

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

FILE NO. \_\_\_\_\_  
 DRAWING NO. 1  
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 R.P.E. \_\_\_\_\_ L.L.S. 791



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

DATE June 15 1999  
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 API WELL NO. \_\_\_\_\_

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

LOCATION: ELEVATION 2110' WATER SHED Long Run  
 DISTRICT Hacker Valley COUNTY Webster  
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PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
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 ADDRESS P.O. Box 6070, Charleston, WV 25362 ADDRESS P.O. Box 6070, Charleston, WV 25362

COUNTY NAME WEB  
 PERMIT 0088

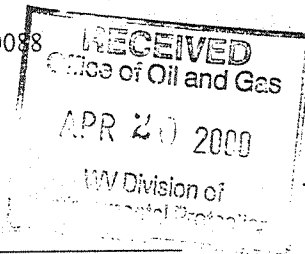
DEEP WELL 6-6 C SEP 27 1999

WR-35

Reviewed ALB

DATE: 09/23/99  
API #: 47-101-00088

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



Well Operator's Report of Well Work

Farm name: MOORE, HELEN & EST OF J. Operator Well No.: 623867

LOCATION: Elevation: 2,110.00 Quadrangle: HACKER VALLEY

District: HACKER VALLEY County: Webster  
Latitude: 6500 Feet South of 38 Deg. 40 Min. 0 Sec.  
Longitude 11800 Feet West of 80 Deg. 22 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	11-3/4	150	150	CTS
Buckhannon, WV 26201	8-5/8	2148	2148	CTS
Agent: R. Mark Hackett	4-1/2	7532	7532	185 SXS
Inspector: Craig Duckworth				
Date Permit Issued: 09/23/99				
Date Well Work Commenced: 11/08/99				
Date Well Work Completed: 02/28/00				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig				
Total Depth (feet): 7577				
Fresh Water depths (ft): None				
Salt water depths (ft): None				
Is coal being mined in area (Y/N)? N				
Coal Depths (ft): 32-34, 140-147, 290-297				

OPEN FLOW DATA

Producing formation Oriskany/Chert Pay zone depth (ft) 7076 - 7320  
 Gas: Initial open flow 0 MCF/d Oil: Initial open flow n/a Bbl/d  
 Final open flow 0 MCF/d Final open flow n/a Bbl/d  
 Time of open flow between initial and final tests 4 Hours  
 Static rock Pressure 900 psig (surface pressure) after 72 Hours

Second producing formation Benson Pay zone depth (ft) 4211 - 4217  
 Gas: Initial open flow 0 MCF/d Oil: Initial open flow n/a Bbl/d  
 Final open flow 60 MCF/d Final open flow n/a Bbl/d  
 Time of open flow between initial and final tests 4 Hours  
 Static rock Pressure 970 psig (surface pressure) after 72 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.

Signed: COLUMBIA NATURAL RESOURCES, INC.  
By: R. Mark Hackett  
Date: 04/11/2000

APR 28 2000

WEB 0088

