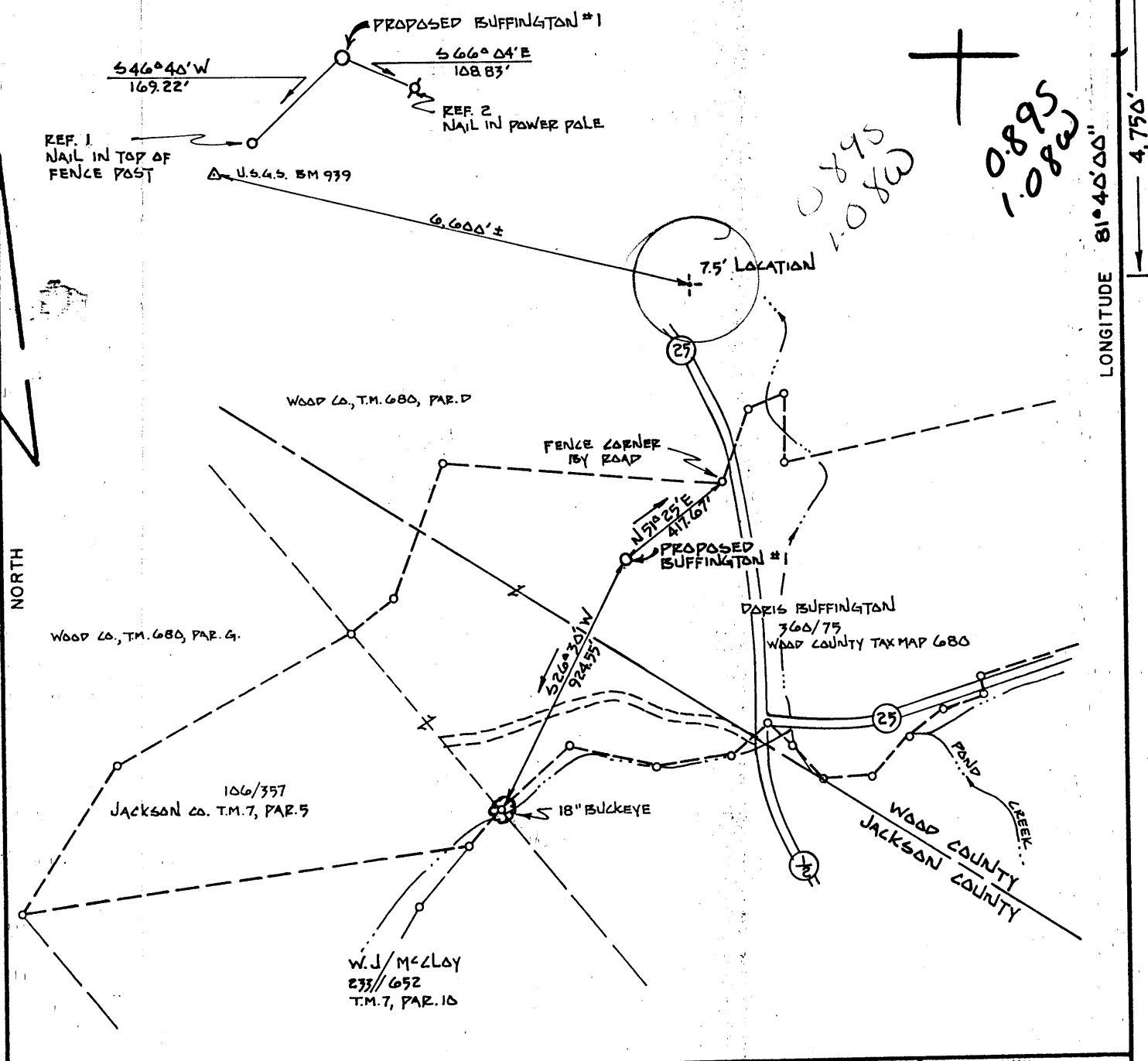


87B 7/29/87

5,800'

REFERENCES
1"=200'

LATITUDE 39° 05' 00"



0.895
1.086

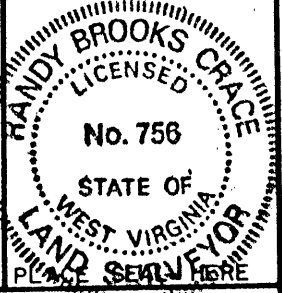
0.895
1.086

LONGITUDE 81° 40' 00"

4,750'

FILE NO. 8722.7
DRAWING NO. 1
SCALE 1"=500'
MINIMUM DEGREE OF ACCURACY 1:2500
PROVEN SOURCE OF ELEVATION U.S.G.S. B.M. (EL. 939)

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 MINES.
(SIGNED) Randy Brooks
R.P.E. _____ L.L.S. _____



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
FORM IV-6
(8-78)



Department of Mines
Oil & Gas Division

DATE July 21, 1987
OPERATOR'S WELL NO. Buffington #1
API WELL NO. _____
47 - 107 - 1410
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS", PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____)
LOCATION: ELEVATION 626.1 WATER SHED POND CREEK OF THE OHIO RIVER
DISTRICT HARRIS 2 COUNTY WOOD
QUADRANGLE POND CREEK, W.VA.; OHIO 553 009 SW 1 Belleville
SURFACE OWNER DORIS BUFFINGTON ACREAGE _____
OIL & GAS ROYALTY OWNER DORIS BUFFINGTON LEASE ACREAGE _____
LEASE NO. _____
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 Devonian shale ESTIMATED DEPTH 4,200'
WELL OPERATOR RUBIN RESOURCES #83 DESIGNATED AGENT RICK RUBIN
ADDRESS 1007 G BRIDGE ROAD ADDRESS 1007 G BRIDGE RD.
CHARLESTON, W.VA. 25314 CHARLESTON, W.VA. 25314
h-h Neptune (255)

AUG 03 1987

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

PERFORATING : BROWN SHALE
 30 PERFORATIONS
 3485 TOP PERFORATION
 HURON 3691 BOTTOM PERFORATION

UPD →
H

GRAY SHALE
 39 PERFORATIONS
 3709 TOP PERFORATION
 3357 BOTTOM PERFORATION
 210 S & B
 PERFORATED INTERVAL

FRACTURING : BROWN SHALE
 990 SACKS SAND
 75 QUALITY FOAM
 SINGLE STAGE

GRAY SHALE
 660 SACKS SAND
 75 QUALITY FOAM
 SINGLE STAGE

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Topsoil	Rock		0	343	
Shale			343	962	
Sand	Shale		962	1503	
Lime			1503	1572	
Shale			1572	2004	
Coffee	Shale		2004	2028	
Berea			2028	2032	
Shale			2032	3830	Huron @ 70 3676 ~ Berea Huron

(Attach separate sheets as necessary)

Rubin Resources Inc.
Well Operator

By: Rick Rubin

Date: 1-29-88

Note: Regulation 2.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."
 88/

RECEIVED
JUL 27 1987



1) Date: 7-22, 1987
 2) Operator's Well No. Buffington #1
 3) API Well No. 47 107 1410
 State County Permit

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY, OIL AND GAS DIVISION
APPLICATION FOR A WELL WORK PERMIT

DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

- 4) WELL TYPE: A Oil Gas
 B (If "Gas", Production Underground storage Deep Shallow
 5) LOCATION: Elevation: 626 Watershed: Pand Creek of the Ohio River 552
 District: Harris 2 County: Wood 107 Quadrangle: Pand Creek W-V-Ohio
 6) WELL OPERATOR Rubin Resources Inc CODE: 43625 7) DESIGNATED AGENT Rick Rubin
 Address 1007 C Bridge Rd. Address 1007 C Bridge Rd.
Charleston, WV 25314 Charleston, WV 25314
 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Glean Robinson Name Clint Hurt's Ass.
 Address Rt. 1 #6 Address P.O. Box 1973
Mt. Pleasant Estate Mineral Wells, WV 26150 Midland, Texas 79702
 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify) _____
 11) GEOLOGICAL TARGET FORMATION, Devonian Shale A01
 12) Estimated depth of completed well, 3825 feet
 13) Approximate strata depths: Fresh, 200 feet; salt, _____ feet.
 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes / No

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	9 5/8					290	290	Cement to surface	Kinds <u>PER 2 CAUSE 131</u>
Fresh water									<u>ORDER 1</u>
Coal									Sizes
Intermediate	7					1830	1830	Cement above	<u>salt sand water</u>
Production	4 1/2					3780	3780	100 SKS.	Depths set
Tubing									Perforations:
Liners									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-107-1410 Date July 30 19 87

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.
 Permit expires July 30, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <input checked="" type="checkbox"/>	Plat: <u>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>2002</u> <u>3825</u>	WPOP: <u>[Signature]</u>	ES&T: <u>[Signature]</u>	Other: _____
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NOTE: Keep one copy of this permit posted at the drilling location.
 Director, Division of Oil and Gas