



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

FILE NO. BK 110 P 89
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1:1000'
 PROVEN SOURCE OF ELEVATION USGS BM H-100 on bridge abut. N.W. of loc. El 616'

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) C. J. Valley Jr.
 R.P.E. _____ L.S. 92

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE JAN 15, 1988
 OPERATOR'S WELL NO. BUCKLEY N° 1
 API WELL NO. _____

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 625.52 WATERSHED MCCOLLINS RUN OF SOUTH FORK
 DISTRICT HARRIS 2 COUNTY WOOD
 QUADRANGLE LUBECK WV-OHIO 449 009 y Bellerive WC
 SURFACE OWNER ODGEN K. BUCKLEY ACREAGE 77.75
 OIL & GAS ROYALTY OWNER ODGEN K. BUCKLEY, ETAL LEASE ACREAGE 286

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 BEREA ESTIMATED DEPTH 2500'
 WELL OPERATOR RUBIN RESOURCES DESIGNATED AGENT RICK RUBIN **FEB 1 1988**
 ADDRESS 1007C BRIDGE ROAD ADDRESS 1007C BRIDGE ROAD
CHARLESTON, WV, 25314 783 CHARLESTON, WV, 25314

6-6 New England (296)

FORM WW-6 H.T. HALL 48673

COUNTY NAME PERMIT



RECEIVED
JUL 13 1988

State of West Virginia
Department of Mines
Oil and Gas Division

Date 5-10-88
Operator's
Well No. O. Buckley #1
Farm Oaden Buckley
API No. 47-107-1418

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal /
(If "Gas," Production / Underground Storage / Deep / Shallow /)

LOCATION: Elevation: 625 Watershed McCollins Run of South Fork
District: Harris County Wood Quadrangle Lubeck WV-Ohio

COMPANY RUBIN RESOURCES INC.
ADDRESS 1007 C Bridge Rd. Charleston
DESIGNATED AGENT Rick Rubin
ADDRESS SAME
SURFACE OWNER Mr. & Mrs. Oaden Buckley
ADDRESS Rt. 1 Belleville, WV 26133
MINERAL RIGHTS OWNER 4 Buckley Families
2 Knapp Families 1 Smith Family
ADDRESS Rt. 1 Belleville WV 26133
OIL AND GAS INSPECTOR FOR THIS WORK Glenn
Rabinson ADDRESS Rt. 1 #6 Mt. Pleasant Estate
PERMIT ISSUED 1-25-88
DRILLING COMMENCED 2-9-88
DRILLING COMPLETED 2-13-88

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8	302	302	76 SKS.
7			
5 1/2	1978	1978	122 SKS.
4 1/2			
3			
2		1936	N/A
Liners used			

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON _____

GEOLOGICAL TARGET FORMATION BEREA Depth 1912 feet
Depth of completed well 1985 feet Rotary / Cable Tools _____
Water strata depth: Fresh 240 feet; Salt _____ feet
Coal seam depths: 462-463, 1053-1056. Is coal being mined in the area? NO

OPEN FLOW DATA

Producing formation BEREA Pay zone depth 1912-1916 feet
Gas: Initial open flow 100 Mcf/d Oil: Initial open flow Show Bbl/d
Final open flow (112) Mcf/d Final open flow (5) Bbl/d
Time of open flow between initial and final tests 12 hours
Static rock pressure 315 psig (surface measurement) after 48 hours shut in
(If applicable due to multiple completion--)
Second producing formation _____ Pay zone depth _____ feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ Mcf/d Oil: Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure _____ psig (surface measurement) after _____ hours shut in

(Continue on reverse side)

JUL 15 1988

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

PERFORATING: Berea
 10 Perforations
 1914 Top Perforation
 1916 Bottom Perforation

FRACTURING: Berea
 300 SKs. Sand
 75 Quality Foam
 Single Stage

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 DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Clay			0	10	
Red Rock, Sand, Shale			10	462	
Coal			462	463	
Red Rock, Sand, Shale			463	957	
Coal			957	958	
Sand & Shale			958	1053	
Coal			1053	1056	
Sand & Shale			1056	1515	
Lime			1515	1545	
Penns. Gravel			1545	1575	
Lime			1575	1658	
Shale			1658	1894	
Coffee Shale			1894	1912	
<u>Berea</u>			1912	1916	
Shale			1916	1985	T.D.

(Attach separate sheets as necessary)

RUBIN RESOURCES INC.
 Well Operator

By: Rick Rubin

Date: 7-13-88

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 ~~encountered~~ encountered in the drilling of a well."

7/85
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 JAN 20 1988



1) Date: 1-11, 19 88
 2) Operator's Well No. O. Buckley #1 - 88029
 3) API Well No. 47 107 1418
 State County Permit

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

- 4) WELL TYPE: A Oil Gas
 B (If "Gas", Production Underground storage Deep Shallow)
 5) LOCATION: Elevation: 625.52 Watershed: McCollins Run of South Fork 449
 District: Harris 2 County: Wood 107 Quadrangle: Lubeck WV-Ohio
 6) WELL OPERATOR Rubin Resources Inc. CODE: 43625 7) DESIGNATED AGENT Rick Rubin
 Address 1007 S. Bridge Road 783 Address 1007 S. Bridge Road
Charleston, WV 25314 Charleston, WV 25314
 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Glenn Robinson Name _____
 Address Rt 1 #6 Mt. Pleasant Estate Address _____
Mineral Wells, WV 26150
 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, Berea 285
 12) Estimated depth of completed well, 1990 feet
 13) Approximate trata depths: Fresh, 215, 470 feet, 505 salt, 955-1008 feet, 1220 SW, 1150 SW
 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes No

15) CASING AND TUBING PROGRAM From wood 211, 263, 302

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	7"					302	302	Cement to Surface	Kind
Fresh water						470	470	ETS.	38CSR18-11.3
Coal						530	530		Sizes
Intermediate									
Production	5 1/2"					1990	1990	100 SKS.	Depths set 38CSR18-11.1
Tubing									
Lin.									Perforations:
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-107-1418 Date January 25 19 88

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 January 25, 1990 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing:	Fee:	WVCP:	SEE:	Other:
				<u>2</u>			
				<u>2985</u>			

NOTE: Keep one copy of this permit posted at the drilling location.
John W. Johnston by Margaret Masse
 Director, Division of Oil and Gas File
 See the reverse side of the APPLICANT'S COPY for instructions to the well operator.