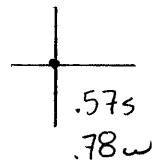


Latitude



Longitude

Topo Location

7.5' Loc. _____ 15' Loc. _____
 _____ (calc.) _____

Company GOW Resources

Farm GOW Resources #1

15' Quad _____
(sec.)

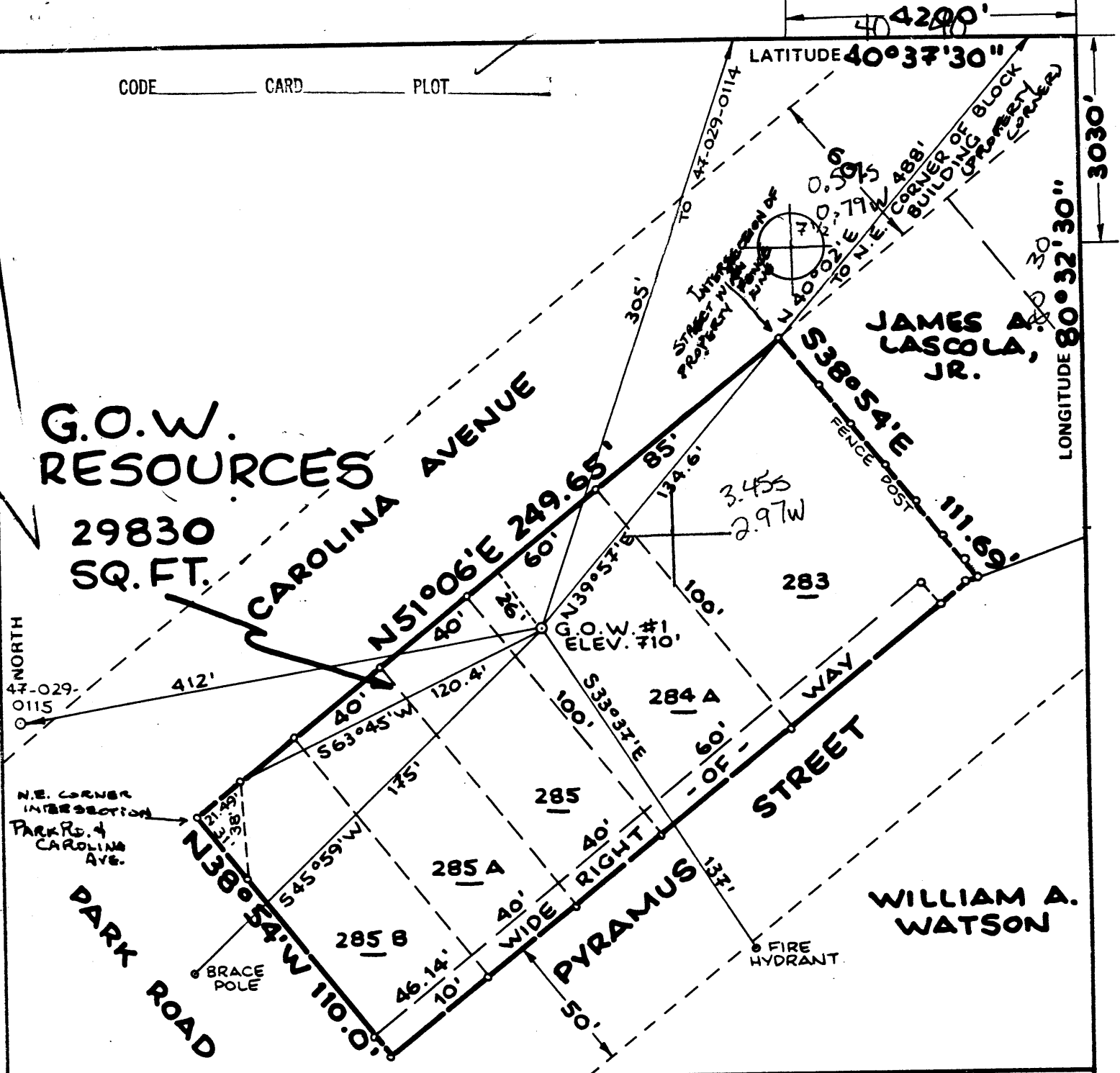
7.5' Quad East Liverpool South

District Grant

WELL LOCATION PLAT

County 029 Permit 117

CODE _____ CARD _____ PLOT _____



G.O.W. RESOURCES
 29830 SQ. FT.

JAMES A. LASCOLA, JR.

WILLIAM A. WATSON

FILE NO. _____
 DRAWING NO. _____
 SCALE **1"=50'**
 MINIMUM DEGREE OF ACCURACY **1:200**
 PROVEN SOURCE OF ELEVATION **ROAD INT. ELEV. 710'**

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) *William A. Lascola*
 R.P.E. _____ L.L.S. **551**

PLACE SEAL HERE

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

FORM IV-6 (8-78)



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE **23 FEBRUARY**, 19 **85**
 OPERATOR'S WELL NO. **G.O.W. #1**
 API WELL NO. _____
47 - 029 - 0117
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION **710'** WATER SHED **MARKS RUN**
 DISTRICT **Grant 3** COUNTY **HANCOCK**
 QUADRANGLE **EAST LIVERPOOL SOUTH 7 1/2' QUAD. Wellsville 15' EC 131**
 SURFACE OWNE **G.O.W. RESOURCES** ACREAGE **29830 SQ. FT.**
 OIL & GAS ROYALTY OWN. **G.O.W. RESOURCES** LEASE ACREAGE **29830 SQ. FT.**
 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 **LOWER DEVONIAN SHALES** TESTED DEPTH **4000'**
 WELL OPERATOR **G.O.W. RESOURCES** DESIGNATED AGENT **RUSSELL G. SMITH**
 ADDRESS **P.O. BOX 191** ADDRESS **ROUTE 1, Box 66**
CHESTER, W.VA. 26034 **CHESTER, W.VA. 26034**

APR 22 1985

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

Well Made App. 4,000 MCF/D Before Shot
Shot with 60qt. Nitro cleaned out hole
Increased Well to 12,000 MCF/D. No oil in well
Rock pressure 24 hrs. 92 lbs.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Top Soil	brown	Soft	0	4	
Sand and Gravel	B.	Soft	4	55	
Sandstone	Brown	Hard	55	80	Fresh water 55ft.
Shale	Gray	Soft	80	85	
Sand	Gray	Hard	85	105	
Sand	White	Hard	105	138	Fresh water 110ft.
Shale	D. Gray	Soft	138	145	
Shale	Black	Soft	145	180	
Sand	White	M. Hard	180	184	
Shale	Gray	Soft	184	248	
Lime and Shale	Gray M.	Hard	248	258	
Sand	White	Hard	253	257	
Shale	Gray	Soft	257	278	
Sand	D. Gray	Hard	278	290	
Shale	Gray M.	Hard	290	300	
Sand	White M.	Hard	300	330	
Shale and Lime shells	Gray M.	Hard	330	414	
Sand	Gray	Hard	414	424	Very Little Salt Water 395Ft.
Lime and Shale	Gray	M. Hard	424	505	
Shale	Black	Soft	505	534	
Lime	Black	Hard	534	544	
Sand	White M.	Hard	544	571	
Shale	Gray M.	Hard	571	574	
Sand	White M.	Hard	574	586	
Lime and Shale	Hard		586	596	(Attach separate sheets as necessary)

T.D. 596ft. Berea @TD.

G.O.W. Resources, P.O. Box 191 Chester, W.Va.
Well Operator

By: Russell G. Smith
Date: July 6, 1985

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."



1) Date: April 15, 1985
 2) Operator: G.O.W. Resources
 Well No. G.O.W. #1
 3) API Well No. 47-029-0117
 State _____ County _____ Permit _____

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

- 4) WELL TYPE: A Oil _____ Gas X
 B (If "Gas", Production _____) Underground storage _____ Deep _____ Shallow X
- 5) LOCATION: Elevation: 710' Watershed: MARKS RUN
 District: CHESTER CORP County: HANCOCK Quadrangle: E. LIVERPOOL SOUTH
- 6) WELL OPERATOR: G.O.W. Resources 7) DESIGNATED AGENT: RUSSELL G. SMITH
 Address: P.O. Box 191 Address: RD #1 Box 66
CHESTER, W.VA. 26034 CHESTER, W.VA. 26034
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name _____ Address _____
- 9) DRILLING CONTRACTOR:
 Name: G.O.W. RESOURCES
 Address: P.O. Box 191
CHESTER, W.VA. 26034
- 10) PROPOSED WELL WORK: Drill X / Drill deeper _____ / Redrill _____ / Stimulate X
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION: LOWER DEVONIAN SHALE
- 12) Estimated depth of completed well, 800' 4000' feet
- 13) Approximate true depths: Fresh, 60' & 100' feet; salt, 225' feet.
- 14) Approximate coal seam depths: NONE Is coal being mined in the area? Yes _____

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	Kinds
	Size	Grade	Weight per ft.	New	Used	For drilling		
Conductor	13"	A	31		X	65'	65'	
Fresh water	8"	A	28		X	200'	200'	G.T.S.
Coal	NONE							Sizes NONE
Intermediate	7"	A	20	X		460'	460'	
Production	4 1/2"	A	10 1/2	X		2400'	2400'	200 SKS
Tubing								Depths set
Liners								Perforations: Top Bottom

RECEIVED
 APR 15 1985
 OIL & GAS DIVISION
 DEPT. OF MINES
 CHECKERS

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-029-0117 Date April 18, 19 85

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 April 18, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
SB	MW	MW	MW	588

Margaret J. Lane
 Administrator, Office of Oil and Gas