

FILE NO. BK 57 P 54 & 55
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1-2500'
 PROVEN SOURCE OF ELEVATION USGS BM
2 JJS EL. 763.42

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

PLACE SEAL HERE

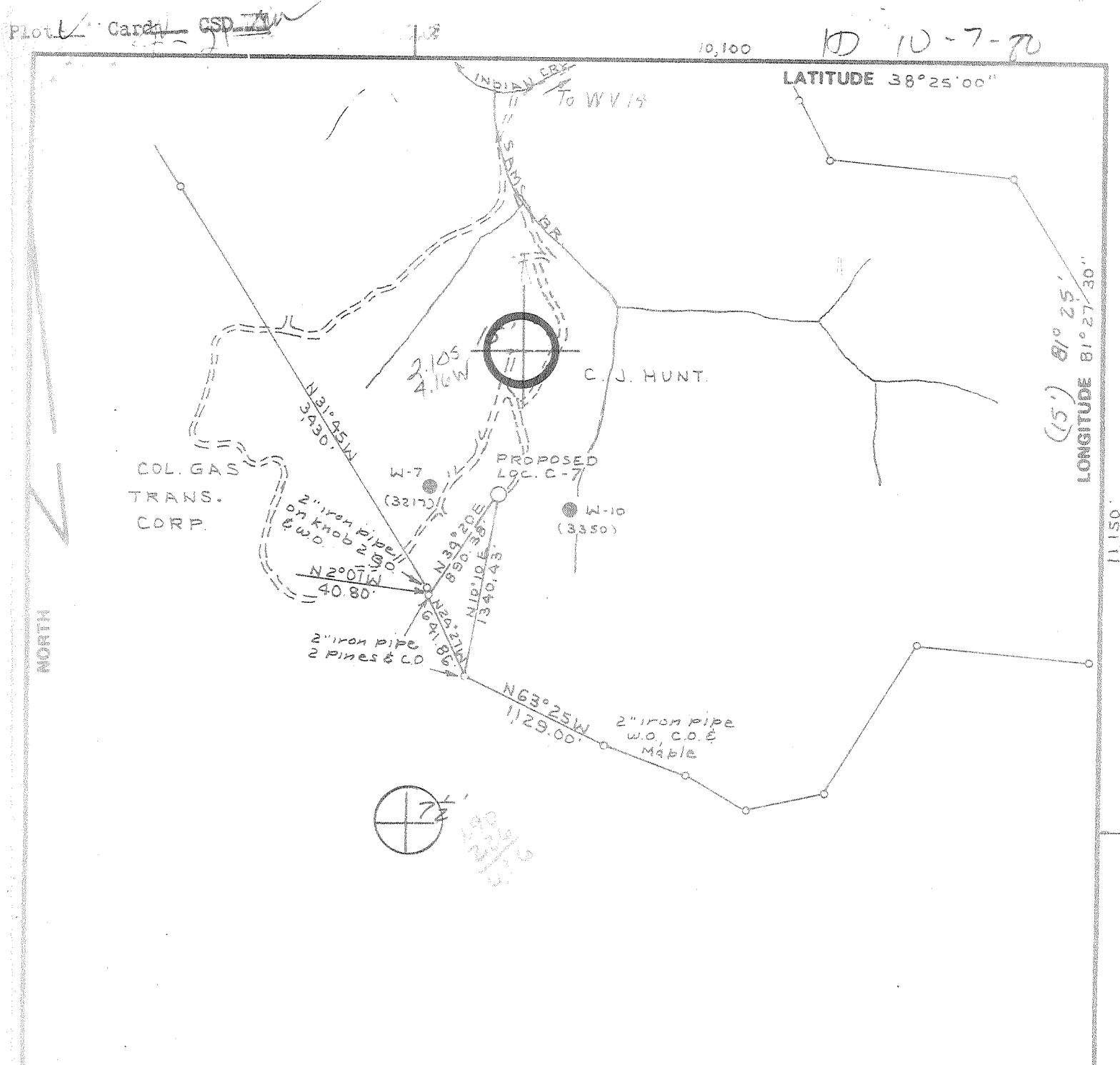
WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS
 #10 McJUNKIN ROAD
 NITRO, WEST VIRGINIA 25143-2506



DATE AUG 30, 1980
 OPERATOR'S WELL NO. C-7
 API WELL NO. _____
47-039-3662-7
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 954.46 WATER SHED INDIAN CREEK
 DISTRICT ELK COUNTY KANAWHA
 QUADRANGLE BLUE CREEK 7 1/2 Surface owner for Frac. James P. Shafer.
 SURFACE OWNER FAYETTE LUMBER CO ACREAGE 500
 OIL & GAS ROYALTY OWNER C. J. HUNT LEASE ACREAGE 700
 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) Plugging well never completed Frac Well, Squaw, & Bigdome
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION WEIR ESTIMATED DEPTH 2000
 W 3R - Pipeline line. VED AGE _____
 A PO Box 311 W.V. 25276 -ADDRE: Robert C. Richards
 TR. Sponcer,

KAN 3662 F



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

PLACE SEAL HERE

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



DATE AUG 30, 1980
 OPERATOR'S WELL NO. C-7
 API WELL NO. _____
47 - 039 - 3662 LI
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 954.46 WATER SHED INDIAN CREEK
 DISTRICT ELK COUNTY KANAWHA
 QUADRANGLE BLUE CREEK 7 1/2 CIENDENIN 15' WC
 SURFACE OWNER FAYETTE LUMBER CO ACREAGE 500
 OIL & GAS ROYALTY OWNER C. J. HUNT LEASE ACREAGE 700
 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 WEIR ESTIMATED DEPTH 2000
 WELL OPERATOR GARY ENERGY CORP DESIGNATED AGENT JAY J. VARGO
 ADDRESS FOUR INVERNESS COURT ADDRESS 1268 GREENBRIER ST
ENGLEWOOD COLORADO 80112 CHARLESTON WV 25301 OCT 28 1980

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON
FORM IV-35 AND/OR FORM IV-37 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Clint Hurt & Associates, Inc.
Address P. O. Box 383
Elkview, W. Va. 25071

GEOLOGICAL TARGET FORMATION, Pocono (Weir)

Estimated depth of completed well, 2000 feet Rotary / Cable tools
Approximate water strata depths: Fresh, N/A feet; salt, 740 feet.
Approximate coal seam depths: 555-559 Is coal being mined in the area? Yes / No
641-644 ¹²⁴⁰

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		
Conductor	13	H40		X		30'	0	Kinds
Fresh water								
Coal								Sizes
Intermediate	8 5/8	H40	20#	X			To Surface	
Production	4 1/2	K55	105#	X		2000'	To Surface	Depths set
Tubing								
Liners								Perforations:
								Top Bottom

NOTE 1: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-3 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2a, (iii) unless previously paid on the same well, the fee required by Code § 22-4-12a, (iv) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-3 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-3 filed in connection therewith.

NOTE 2: In addition to the permit required from the Department of Mines, the operator of a disposal well must obtain a separate permit from the Department of Natural Resources under the provisions of Code § 20-5A-5(b)(7).

NOTE: This well will be drilled and cored with a low water loss mud system.
THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 6-7-81.

J. E. Huggins
Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within thirty (30) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: , 19

By
Its

0408 10/10/81



IV-35
(Rev 8-81)

RECEIVED
State of West Virginia

OCT 18 1982
Department of Mines
Oil and Gas Division
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

Date October 5, 1982
Operator's Well No. C-7
Farm C.J. Hunt
API No. 47 - 039 - 3662 -LI

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 954' Watershed Indian Creek
District: Elk County Kanawha Quadrangle Blue Creek

COMPANY GARY ENERGY CORPORATION
ADDRESS 112 Indian Lake Dr., Elkview, W.Va.
DESIGNATED AGENT DANIEL L. PAULEY
ADDRESS 112 Indian Lake Dr., Elkview, W.Va.
SURFACE OWNER Fayette Lumber Company
ADDRESS P.O. Box A Dixie, West Virginia 25059
MINERAL RIGHTS OWNER See Title Opinion
ADDRESS _____
OIL AND GAS INSPECTOR FOR THIS WORK Homer H. Dougherty ADDRESS Looneyville, W.Va.
PERMIT ISSUED October 3, 1980
DRILLING COMMENCED November 4, 1980
DRILLING COMPLETED November 10, 1980
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON _____

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	468.44KB	468.44KB	Cement to Surface
7			
5 1/2			
4 1/2	2125.25'	2125.25'	Cement to Surface
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Pocono Weir Depth 1956' feet
Depth of completed well 2138' feet Rotary X / Cable Tools _____
Water strata depth: Fresh _____ feet; Salt 935' feet
Coal seam depths: 236-245', 436-447', 480-483' Is coal being mined in the area? NO

OPEN FLOW DATA
Producing formation Weir Sand Pay zone depth 1956' feet
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 measurement) after _____ 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

OCT 25 1982, (Continue on reverse side)

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

NOTES

This is a new well. Drilled to 2138'.

Ran 458.44' of all new 8 5/8" (Grade H 40 20#/ft.) casing and cemented to surface.

Ran 2125.25' of all new 4 1/2" (J55 12.6) casing and cemented to surface.

We plan to use this well for CO₂ Injection.

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	155	
Sand and Shale			155	236	
Coal			236	245	
Sand and Shale			245	436	
Coal			436	447	
Sand and Shale			447	473	
Shale			473	480	
Coal			480	483	
Shale			483	495	
Sand and Shale			495	935	
Salt Sand			935	1532	
Maxon Sand			1532	1558	
Shale			1558	1651	
Little Lime			1651	1706	
Big Lime			1706	1819	
Injun Sand			1819	1904	
Squaw Sand			1904	1956	
Weir Sand			1956	2080	
Shale			2080	<u>2138</u>	

(Attach separate sheets as necessary)

GARY ENERGY CORPORATION

Well Operator

By: Denial J. Paulsen

Date: 10-15-82

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."

RECEIVED
Off. of Oil & Gas
Permitting

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

Reviewed BLB

APR 07 2000

WV Division of
Environmental Protection

Well Operator's Report of Well Work

Farm name: SHAFER, JAMES P

Operator Well No.: C-7

LOCATION: Elevation: 954.40 Quadrangle: BLUE CREEK

District: ELK County: KANAWHA
Latitude: 11150 Feet South of 38 Deg. 25Min. 0 Sec.
Longitude 10100 Feet West of 81 Deg. 27 Min. 30 Sec.

Company: 3R PIPELINE, INC.
P.O. BOX 311
SPENCER, WV 25276-0311

Agent: ROBERT C. RICHARDS

Inspector: CARLOS HIVELY
Permit Issued: 06/15/98
Well work Commenced: 7/30/98
Well work Completed: 8/30/98
Verbal Plugging
Permission granted on: _____
Rotary _____ Cable Rig
Total Depth (feet) 2138
Fresh water depths (ft) _____

Salt water depths (ft) N

Is coal being mined in area (Y/N)? N
Coal Depths (ft): _____

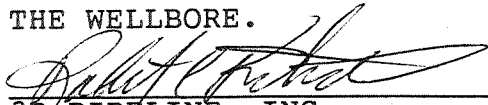
Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
2 3/8"		2125	
Rod and Pump			

OPEN FLOW DATA

Producing formation Squaw, Big Lime and Weir Pay zone depth (ft) _____
Gas: Initial open flow 180 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 360 psig (surface pressure) after _____ 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

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.


For: 3R PIPELINE, INC.

By: Robert C. Richards
Date: 7/30/99

KAN 3662 F