

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES, OIL AND GAS DIVISION

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil X / Gas X /  
(If "Gas", Production X / Underground storage \_\_\_\_\_ Deep \_\_\_\_\_ Shallow X /)

LOCATION: Elevation: 640' Watershed: Broad Run  
District: Washington County: Pleasants Quadrangle: Raven Rock, WV 7 1/2'

WELL OPERATOR Haught, Inc.  
Address Route 3, Box 14  
Smithville, WV 26178

DESIGNATED AGENT Warren R. Haught  
Address Smithville, WV 26178

OIL & GAS ROYALTY OWNER Eva Randazzo  
Address 2750-10th Street  
Cuyahoga Falls, OH 44221

COAL OPERATOR None  
Address \_\_\_\_\_

ACREAGE 13.5  
SURFACE OWNER Eva Randazzo  
Address 2750-10th Street  
Cuyahoga Falls, OH 44221  
ACREAGE 13.5

COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name \_\_\_\_\_  
Address \_\_\_\_\_

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FIELD SALE (IF MADE) TO:  
Name Columbia Gas Transmission Corp.  
Address P.O. Box 1273  
Charleston, WV

Name \_\_\_\_\_  
Address \_\_\_\_\_  
OIL & GAS DIVISION  
DEPT. OF MINES

OIL & GAS INSPECTOR TO BE NOTIFIED  
Name K. Paul Goodnight  
Address Smithville, WV 26178

COAL LESSEE WITH DECLARATION ON RECORD:  
Name None  
Address \_\_\_\_\_

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed \_\_\_\_\_ / lease \_\_\_\_\_ / other contract X / dated December 9, 1980, to the undersigned well operator from Zedack Pethtel

[If said deed, lease, or other contract has been recorded:]  
Recorded on Dec. 22, 1980, in the office of the Clerk of the County Commission of Ritchie County, West Virginia, in Deed Book 160 at page 281. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Fracture or stimulate \_\_\_\_\_ /  
Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_ /  
Other physical change in well (specify) \_\_\_\_\_

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code § 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines, Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:  
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION  
1515 WASHINGTON STREET EAST  
CHARLESTON, WV 25311  
TELEPHONE: (304) 348-3092

Haught, Inc.  
Well Operator  
By Warren R. Haught  
President



PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) Haught, Inc.  
Address Smithville, WV 26178

GEOLOGICAL TARGET FORMATION, Shale

Estimated depth of completed well, 4000' feet Rotary  Cable tools \_\_\_\_\_  
Approximate water strata depths: Fresh, \_\_\_\_\_ feet; salt, \_\_\_\_\_ feet.  
Approximate coal seam depths: None Is coal being mined in the area? Yes \_\_\_\_\_ No

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS ('Cable feet')	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	8 5/8	K-55	20#	X		200'	200'	Cement to Surface	
Coal									Sizes
Intermediate									
Production	4 1/2	J-55	10.5#	X			4000'	400 sacks or as req'd by rule 15.01	Deaths set
T casing									
Liners									Perforations: Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 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 § 22-4-2, (iii) Form IV-3, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-3a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 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-2 filed in connection therewith.

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 12-16-81.

*J. B. 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 § 22-4-22, if the permit is to be issued within fifteen (15) 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 \_\_\_\_\_



Date 6 April 1981  
 Well No. H-1247  
 API No. 47 - 073 - 1174  
 State County Permit

STATE OF WEST VIRGINIA  
 OFFICE OF OIL AND GAS

Company Name Haught, Inc. Designated Agent Warren Haught  
 Address Smithville, W. Va. 26178 Address Smithville, W. Va. 26178  
 Telephone 477-3333 Telephone 477-3333  
 Landowner Eva Randazzo Soil Cons. District Upper Ohio  
 Revegetation to be carried out by Warren Haught (Agent)  
 This plan has been reviewed by Upper Ohio SCD. All corrections  
 and additions become a part of this plan. 4/9/81 Renneth R. Mason  
 (Date) (SCD Agent)

Access Road	Location
Structure _____ (A)	Structure <u>Diversion Ditch</u> (1)
Spacing _____	Material <u>Soil</u>
Page Ref. Manual _____	Page Ref. Manual <u>1:9</u>
Structure _____ (B)	Structure <u>Rip-Rap</u> (2)
Spacing _____	Material <u>Rock-Stone-Brus</u>
Page Ref. Manual _____	Page Ref. Manual <u>N/A</u>
Structure _____ (C)	Structure _____
Spacing _____	Material _____
Page Ref. Manual _____	Page Ref. Manual _____

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All structures should be inspected regularly and repaired if necessary.

OIL & GAS DIVISION  
 DEPT. OF MINES

Revegetation

Treatment Area I	Treatment Area II
Lime _____ Tons/acre or correct to pH <u>6.5</u>	Lime _____ Tons/Acre or correct to pH <u>6.5</u>
Fertilizer <u>500</u> lbs/acre (10-20-20 or equivalent)	Fertilizer <u>500</u> lbs/acre (10-20-20 or equivalent)
Mulch <u>Hay</u> <u>2</u> Tons/Acre	Mulch <u>Hay</u> <u>2</u> Tons/Acre
Seed* <u>KY31 Fescue</u> <u>35</u> lbs/acre	Seed* <u>KY31 Fescue</u> <u>35</u> lbs/acre
<u>Redtop</u> <u>5</u> lbs/acre	<u>Redtop</u> <u>5</u> lbs/acre

\*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

Attach or photocopy section of involved Topographic map. Quadrangle Raven Rock, W. Va.



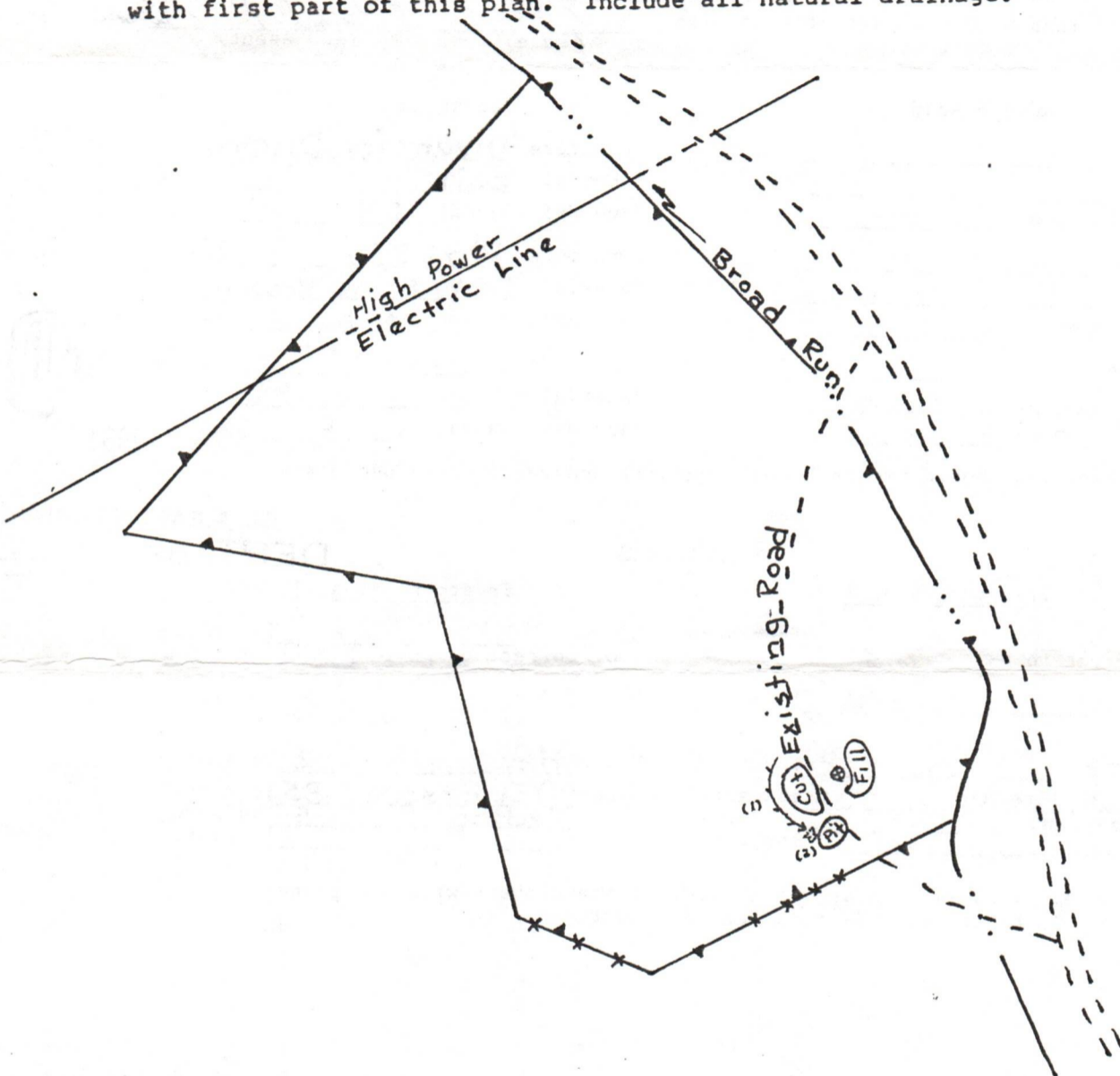


Well Site Plan

Legend: Property Boundry Road Existing Fence Planned Fence Stream Open Ditch

Diversion Spring Wet Spot Building Drain Pipe Waterway

Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with first part of this plan. Include all natural drainage.



Comments: (1) No Access Road Needed  
 (2) Brush and Trees to be Piled at Site

Signature: Nathan R. Haight Smithville, WV 26178 477-3333  
 Agent Address Phone Number

Please request landowners cooperation to protect new seeding for one growing season.



State of West Virginia  
Department of Mines  
Charleston 25305

JOHN D. ROCKEFELLER, IV.  
Governor

WALTER N. MILLER  
Director

OOG-0670

December 9, 1983

BKK Prospecting Company  
209 2nd Street  
St. Marys, WV 26170

Re: Transfer of four (4) wells from Haught, Inc.  
47-073-1166, 073-1174, 073-1175 & 073-1176

Gentlemen:

Inasmuch as you have provided this office with satisfactory evidence of transfer or change of ownership of the subject wells, and your surety has assumed these wells under your blanket bond we are hereby transferring these wells from Haught, Inc. to BKK Prospecting Company.

If we can be of further assistance please feel free to call on us.

Sincerely yours,

*Lois A. Simpkins*

Lois A. Simpkins  
Office of Oil and Gas

cc - Haught, Inc.





STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
Oil and Gas Division  
WELL RECORD

Quadrangle Raven Rock  
Permit No. 47-073-1174

Rotary X Oil X  
Cable \_\_\_\_\_ Gas X  
Recycling \_\_\_\_\_ Comb. X  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind)

Company B.K.K. Prospecting, LTD  
Address 45 North Road, Niles, Ohio 44446  
Farm Eva Randazzo Acres 13.5  
Location (waters) Broad Run  
Well No. Randazzo # 1 Elev. 640'  
District Washington County Pleasants  
The surface of tract is owned in fee by Eva Randazzo  
Address 2750 10th Street, Cuyahoga Falls, Oh 44221  
Mineral rights are owned by Eva Randazzo  
Address Same  
Drilling Commenced 5/1/81  
Drilling Completed 5/6/81  
Initial open flow 0 cu. ft. 0 bbls.  
Final production Testing cu. ft. per day Testing bbls.  
Well open 2 hrs. before test 1250 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size			
20-16			
Cond.			
13-10"			
9 5/8			
8 5/8	733	733	To surface
7			
5 1/2			
4 1/2	4300	4300	485 sks ceme
3			
2			
Liners Used			

Well treatment details: Perforated 3944 - 4237 20 shots Holes Fracked with 60,000# sand with 265 BBLS water and 635 MCF Nitrogen Attach copy of cementing record.

Coal was encountered at N/A Feet N/A Inches  
Fresh water 90 Feet 120 Salt Water \_\_\_\_\_ Feet  
Producing Sand Devonian Shale Depth \_\_\_\_\_

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand & Shale	Gray	Hard	0	1250		
Shale	Gray	"	1250	1260		
Sand	Brown	Soft	1260	1360		
Shale	Gray	Hard	1360	1458		
Sand	Gray	"	1458	1477		
Shale	Gray	"	1477	1494		
Sand	Gray	Soft	1494	1530		
Shale	Gray	"	1530	1561		
Sand	Gray	"	1561	1583	Salt Water	Big Injun
Shale	Gray	"	1583	2315		
Sand	Gray	"	2315	2334	Oil & Gas	Gordon
Shale	Gray	"	2334	4521		

K.F.N. - 3998





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OIL & GAS DIVISION  
DEPT. OF MINES

State of West Virginia

Department of Mines

Oil and Gas Division

Charleston 25305

FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT  
December 12, 1984

COMPANY B.K.K. Prospecting, Ltd.

PERMIT NO 073-1174

45 North Road

FARM & WELL NO Eva Randazzo #1

Niles, Ohio 44446

DIST. & COUNTY Washington/Pleasants

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work	✓	
25.04	Prepared before Drilling to Prevent Waste	✓	
25.03	High-Pressure Drilling	✓	
16.01	Required Permits at Wellsite	✓	
15.03	Adequate Fresh Water Casing	✓	
15.02	Adequate Coal Casing		
15.01	Adequate Production Casing	✓	
15.04	Adequate Cement Strenght	✓	
15.05	Cement Type	✓	
23.02	Maintained Access Roads	✓	
25.01	Necessary Equipment to Prevent Waste	✓	
23.04	Reclaimed Drilling Pits	✓	
23.05	No Surface or Underground Pollution	✓	
23.07	Requirements for Production & Gathering Pipelines	✓	
16.01	Well Records on Site	✓	
16.02	Well Records Filed	✓	
7.05	Identification Markings	✓	

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED R.A. Lowther

DATE Dec 26, 1984

Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

T.H. v. B.B.  
Administrator-Oil & Gas Division

January 23, 1985

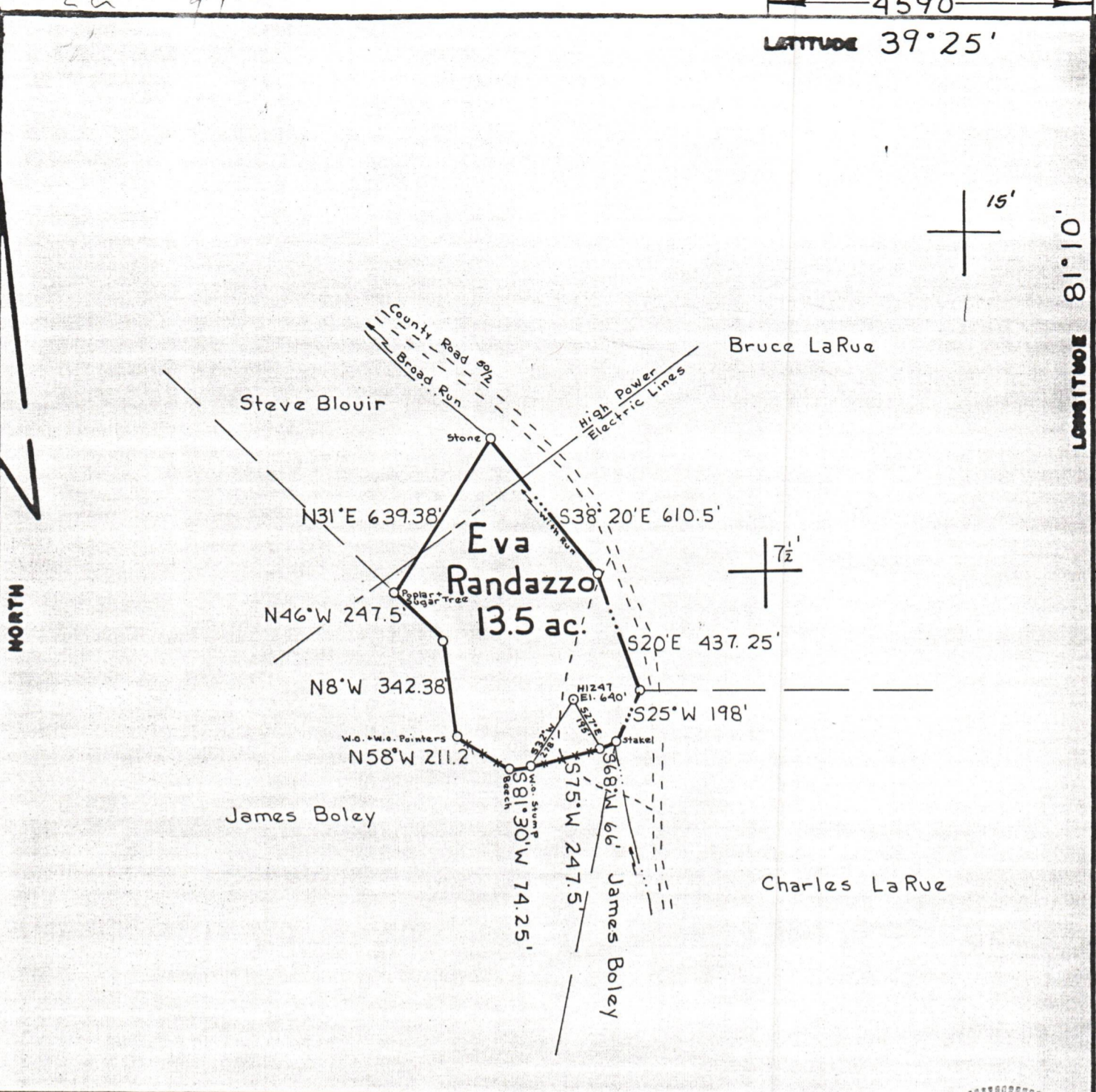
DATE



el 4/100

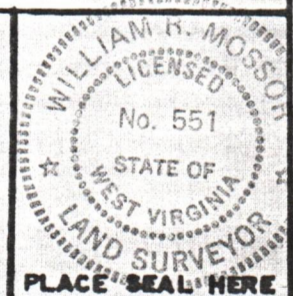
4590'  
LATITUDE 39°25'

LONGITUDE 81°10'  
7800'



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1"=500'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION 620'  
BM at R.R. Bridge

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 R. Mossor  
 R.P.E. \_\_\_\_\_ L.L.S. 551



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



DATE 6 April, 19 81  
 OPERATOR'S WELL NO. H-1247  
 API WELL NO. 47-073-1174  
 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 640' WATER SHED Broad Run  
 DISTRICT Washington COUNTY Ritchie Pleasants  
 QUADRANGLE Raven Rock, W.Va. 7 1/2' Quad.  
 SURFACE OWNER Eva Randazzo ACREAGE 13.5  
 OIL & GAS ROYALTY OWNER Eva Randazzo LEASE ACREAGE 13.5  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL  CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE \_\_\_\_\_ PLUS OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
 PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION Shale ESTIMATED DEPTH 4500'  
 WELL OPERATOR Haught, Inc. DESIGNATED AGENT Warren Haught  
 ADDRESS Smithville, W.Va. 26178 ADDRESS Smithville, W.Va. 26178