

Latitude (15) 37° 27' 30" 37° 30'

UNITED POCAHONTAS 242.96 AC Surf. & Mineral

21,347.16 60,708.33

N 39° 35' W 856.43'

LOC #15 20,546.77 61,158.32

BURKS GARDEN TRACT

Stone 19,663.90 59,568.80

N 70° 25' E 2674.37'

N 87° 46' W 930.79'

Stone 20,560.50 62,088.40

75 5.315 4.89 W

ASHLAND COAL & COKE CO.

N 72° 10' W 1962.48'

S 43° 56' E 528.90'

37 25 20 81 20 20

Stone 20,174.00 62,449.60

S 87° 06' E 991.27'

Stone 20,123.80 63,439.60

BENCH MARK

U.S.G.S. STANDARD DISC IN END OF CONC. BRIDGE ELEV. 2281.0'

Longitude 81° 15' 81° 17' 30"

13,050'



2.62 2.29 4.91

- New Location
- Storage
- Drill Deeper
- Abandonment
- Re-Drill/Fracture

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by the rules and regulations of the oil and gas section of the mining laws of W. VA. Minimum degree of accuracy is one part in 2500

SURVEYOR REG. NO. 259

Signed [Signature]

Company D. G. HANEY, INC.
 Address 1562 DIXIE ST., CHAS., WV.
 Farm UNITED POCAHONTAS
 Lease _____ Acres 242.96
 Well Farm No. _____ Ser. No. 15
 Elevation - Spirit Level 2433.73
 Quadrangle CRUMPLER TO BRAMWELL 15 N2
 Township or District NORTH FORK
 County MS DOWELL
 Sec., Lot, Qr. _____ T. _____ R. _____
 Coordinates _____
 File No. 80-4-160 Dwg. No. _____
 Date SEPT. 18, 1980 Scale 1" = 300'

WELL LOCATION MAP STATE OF WEST VIRGINIA

(+) Denotes Values Of Well On United States Topographic Maps

047-0847

Scale 15' 7 1/2'

66 ASHLAND WEIR 4200 343 OCT 10 1980



JAN 21 1981

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division
WELL RECORD

Falcon Drilling
Rig #2

Rotary Oil _____
Cable _____ Gas
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Quadrangle Crumpler 7 1/2"

Permit No. 47-047-0847

Company D. G. Haney, Inc.
Address 1562 Dixie St., Charleston, WV
Farm United Pocahontas #1 Acres 242.96
Location (waters) Elkhorn Creek
Well No. 15 Elev. 2433'
District North Fork County McDowell
The surface of tract is owned in fee by _____
United Pocahontas Coal Co.
Address Beckley, WV
Mineral rights are owned by Same
Address _____
Drilling Commenced 9-26-80
Drilling Completed 10-3-80
Initial open flow 44 M cu. ft. _____ bbls.
Final production 1,210 Mcu. ft. per day _____ bbls.
Well open _____ hrs. before test 890# RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 30x30			
Cond. 13-10"	22	22	12 Sks-Rig Crew (9-26-80)
9 5/8			
8 5/8	579.27	579.27	175 Sks.-Dowell (9-28-80)
7			
5 1/2			
4 1/2	-	4326.99	165 Sks.-Dowell (10-4-80)
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Dow. Foam Frac 10-13-80 wi 500 gal. HCl; 30,000# 80/100; 30,000# 20/40 wi 310 b. wat. & 3750 CFN BD 1650#; AIP 1700#; AIR 8 BPM; ISI 850#

Coal was encountered at 84', 146', 432' Feet _____ Inches
Fresh water 231' Feet _____ Salt Water _____ Feet _____
Producing Sand Weir Sand Depth Perf. 4238-40, 4248-53

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Formation Depths Taken From Drillers Log Book						
SubBase			0	10		
Sandy Soil			10	15		
Sand			15	84		
Coal			84	85		
Sand			85	146		
Coal			146	149		
Sand			149	186		
Sand and Shale			186	220		
Sand			220	230		
Sand and Shale			230	290		1/2" Water @ 231'
Sand, Shale and Red Rock			290	334		
Sand			334	432		
Coal			432	434		
Sand, Shale and Red Rock			434	439		
Shale and Red Rock			439	460		
Sand			460	469		
Shale and Red Rock			469	660		

Formation Depths Taken From Gamma Log EKB - 2444'						
Sand and Shale			660	740		
Shale and Sand			740	840		

(over)

* Indicated Electric Log logs in the remarks column.

JAN 21 1981

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Shale			840	982		
Sand and Shale			982	1146		
Shale			1146	1230		
Sand and Shale			1230	1274		
Shale			1274	1356		
Sand and Shale			1356	1564		
Shale and Sand			1564	2044	Gas Chk. @ 2026'	- 21 M
Upper Maxon			2044	2098		
Shale			2098	2152		
Shale and Sand			2152	2314		
Maxon			2314	2340		
Shale and Sand			2340	2424		
Sand and Shale			2424	2486		
Lower Maxon			2486	2548		
Shale			2548	2652	Gas Chk. @ 2602'	- No Show
Lime and Shale			2652	2720		
Lime			2720	2788		
Shale Limey			2788	3002	Gas Chk. @ 3000'	- 18 M
Lime and Shale			3002	3037		
Big Lime			3037	3916		
Red Rock			3916	3950		
Shale and Sand			3950	4140	Gas Chk. @ 4007'	- N.E.G.
Shaley Sand			4140	4220		
Weir			4220	4268	Gas Chk. @ 4249'	- 44 M
Shale			4268			
TOTAL DEPTH				4339		
Well Logged By Basin Surveys						
Initial Open Flow - 44 Mcf/Day						

Date December 22 19 80

APPROVED D. G. Haney, Inc. Owner

By *D. G. Haney*
(Print)

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

Date: September 18, 1980

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. 15
API Well No. 47 - 047 - 084
State County Permi

WELL TYPE: Oil / Gas X /
(If "Gas", Production / Underground storage / Deep / Shallow X /)
LOCATION: Elevation: 2433.73 Watershed: Elkhorn Creek
District: North Fork County: McDowell Quadrangle: Crumpler

WELL OPERATOR D. G. Haney, Inc.
Address 1562 Dixie St.
Charleston, W. Va. 25311

DESIGNATED AGENT D. Gene Haney
Address same

OIL & GAS ROYALTY OWNER United Pocahontas
Address P.O. Box 948
Beckley, W. Va. 25801

COAL OPERATOR none
Address

Address
Acreage
SURFACE OWNER same
Address
Acreage

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name United Pocahontas
Address

FIELD SALE (IF MADE) TO:
Name
Address

Name
Address

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Mr. Rue Schoolcraft
Address P.O. Box 706
Pineville, W. Va. 24874

COAL LESSEE WITH DECLARATION ON RECORD:
Name
Address

RECEIVED
SEP 19 1980

OIL & GAS DIVISION
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease X / other contract / dated April 10, 1980, to the undersigned well operator from United Pocahontas

[If said deed, lease, or other contract has been recorded:]
Recorded on July 1, 1980, in the office of the Clerk of the County Commission of McDowell County, West Virginia, in Welch Book 354 at page 341. 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 at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 248-2002

BLANKET BOND

D. G. Haney, Inc.
Well Operator
By D. Gene Haney
Its President

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) Falcon Drilling Corporation
Address 2030 Kanawha Blvd., E.
Charleston, W. Va. 25311

GEOLOGICAL TARGET FORMATION, Weir

Estimated depth of completed well, 4300' feet Rotary X / Cable tools /

Approximate water strata depths: Fresh, feet; salt, feet.

Approximate coal seam depths: 140' Is coal being mined in the area? Yes / No X

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	16"			X		30'	30'		Kinds
Fresh water									
Coal	11"			X		160'	160'	100 sks.	Sizes
Intermediate	8 5/8"		20#	X		750'	750'	230 sks.	
Production	4 1/2"		10.5#	X		-	4300'	as needed	Depths set
Tubing									
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-9, "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 § 22-4-4a from the owner of any water well or drilling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well. THIS PERMIT MUST BE POSTED AT THE WELL SITE 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.

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 5-24-81.

[Signature]
Deputy Director - Oil & Gas Division

The following waiver must be executed 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 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