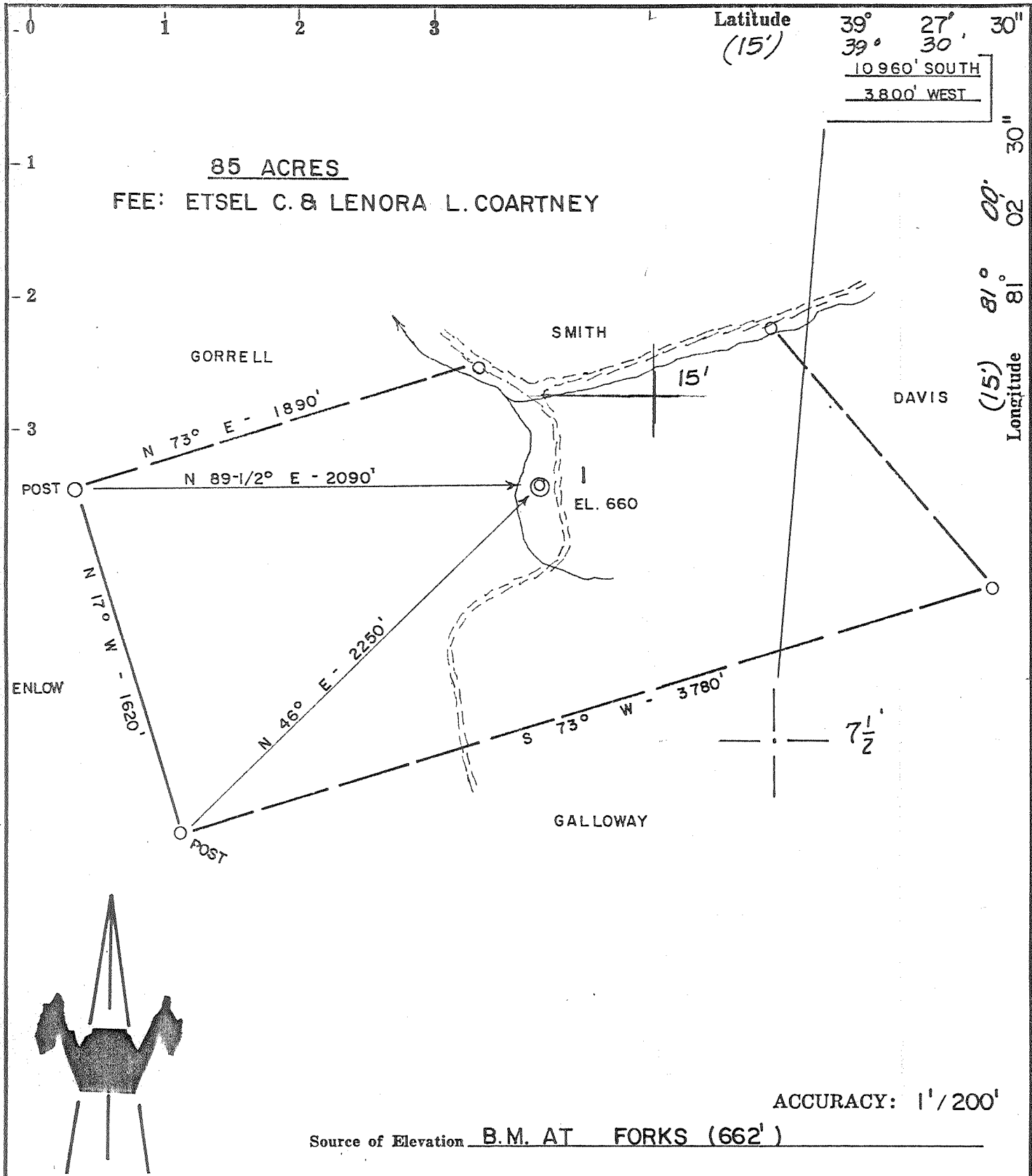


4/6/79 Ky



- New Location GAS
- Drill Deeper
- Abandonment - 4/8
- Fracture
- Redrill

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 paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

GORDON 2800'

Company Inland Exploration Inc. 409

Address P.O. Box 807 Parkersburg W.Va. 26102

Farm ETSEL C. & LENORA L. COARTNEY

Tract _____ Acres 85 Lease No. _____

Well (Farm) No. 1 Serial No. _____

Elevation (Spirit Level) 660'

Quadrangle BENS RUN (7.5'), ST. MARYS

County PLEASANTS District UNION

Engineer CHET WATERMAN

Engineer's Registration No. 3788

File No. 79-181 Drawing No. _____

Date 3/21/79 Scale 1" = 600'

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

WELL LOCATION MAP
FILE NO. 47-073 - 0738 - P

15' Plugging Permit Cancelled

+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000, latitude and longitude lines being represented by border lines as shown.

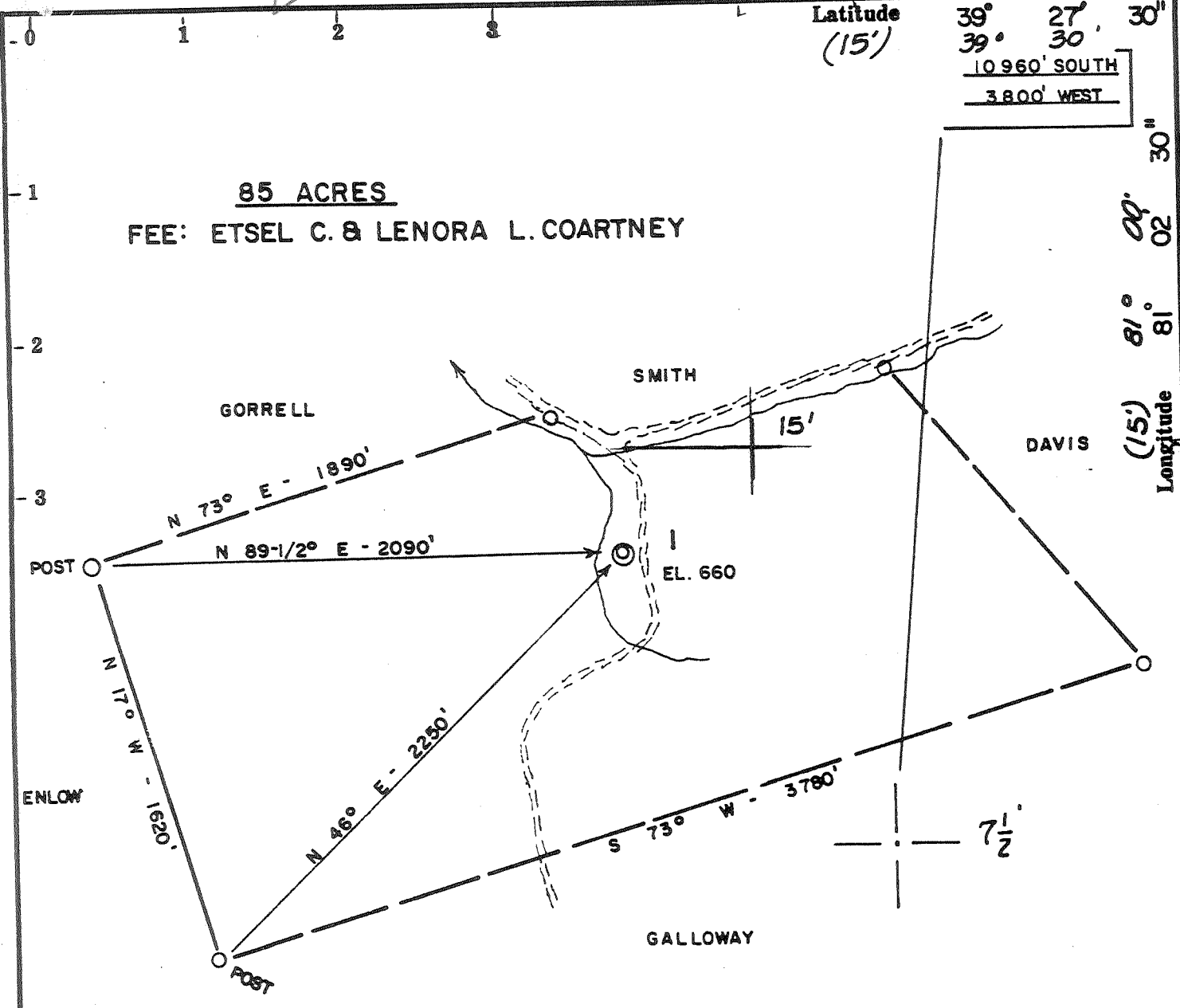
— Denotes one inch spaces on border line of original tracing.

JAN 12 1987

PLEAS. 0738-P

2800' Gordon

4/6/79



Latitude (15') 39° 27' 30"
 39° 30' 30"
 10960' SOUTH
 3800' WEST

Longitude (15') 81° 02' 00"
 81° 02' 00"

85 ACRES

FEE: ETSSEL C. & LENORA L. COARTNEY

GORRELL

SMITH

DAVIS

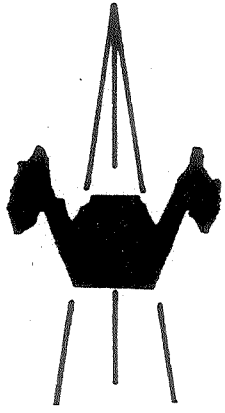
GALLOWAY

POST

EL. 660

ENLOW

POST



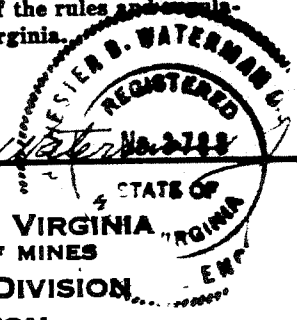
ACCURACY: 1' / 200'

Source of Elevation B.M. AT FORKS (662')

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 paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

- New Location GAS
- Drill Deeper
- Abandonment 4/8
- Fracture
- Redrill

GORDON 2800'



Company	Inland Exploration Inc.		
Address	P.O. Box 807 Parkersburg W.Va. 26102		
Farm	ETSSEL C. & LENORA L. COARTNEY		
Tract	Acres	85	Lease No.
Well (Farm) No.	1	Serial No.	
Elevation (Spirit Level)	660'		
Quadrangle	BENS RUN (7.5'), ST. MARYS 15'		
County	PLEASANTS	District	UNION
Engineer	CHET WATERMAN		
Engineer's Registration No.	3788		
File No.	79-181	Drawing No.	
Date	3/21/79	Scale	1" = 600'

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

WELL LOCATION MAP
 FILE NO. **47-073 - 0738 - P**

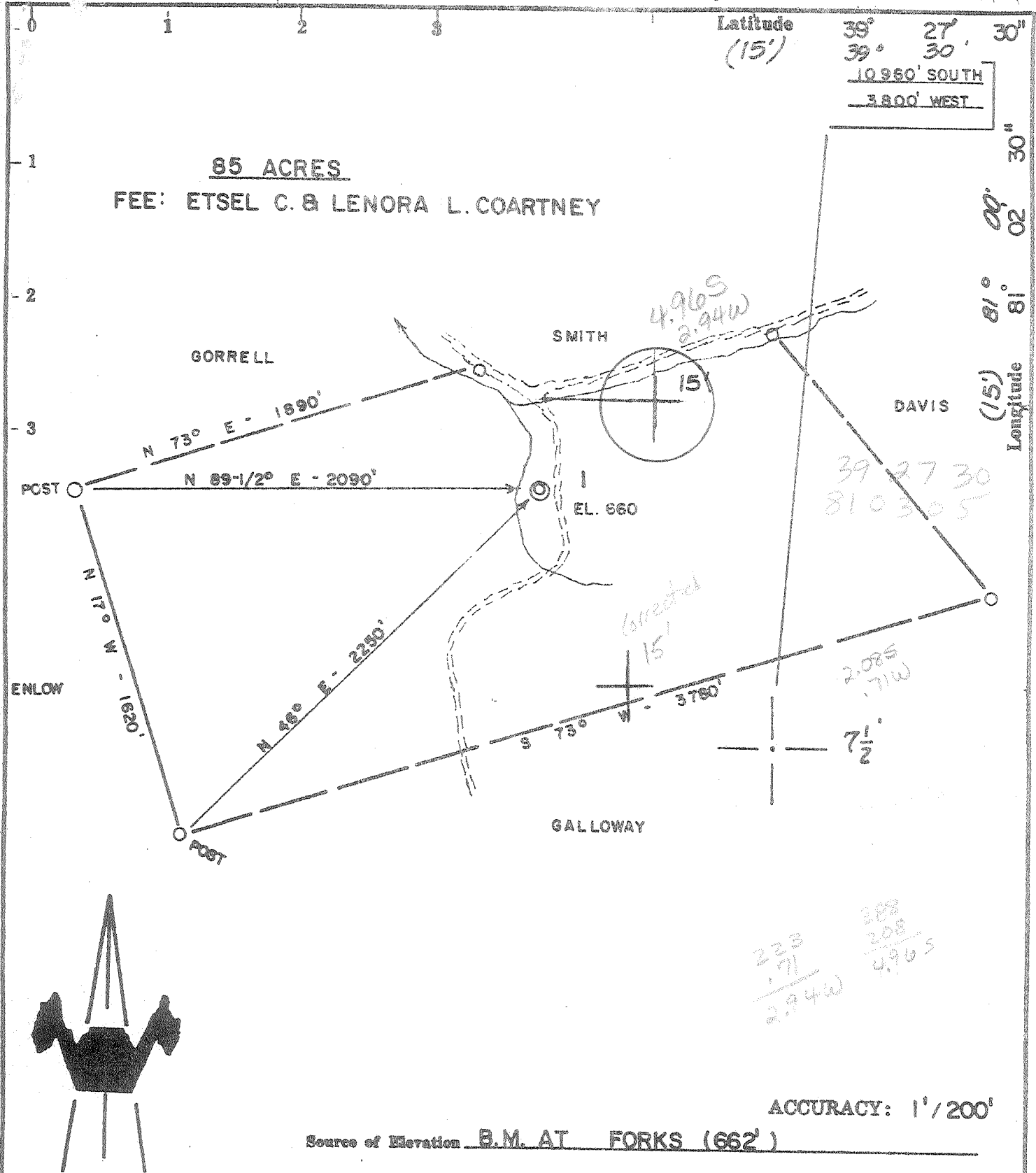
+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000, latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.

APR 11 1981

2800' Gordon

PLEASE. 0138-1

11/17/79

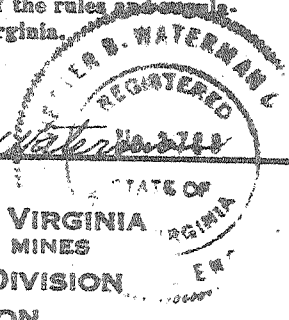


ACCURACY: 1' / 200'

Source of Elevation B.M. AT FORKS (662')

- New Location GAS
- Drill Deeper
- Abandonment
- Fracture
- Redrill

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 paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.



GORDON 2800'

Company CARL E. SMITH, INC.
 Address SANDYVILLE, WV
 Farm ETSEL C. & LENORA L. COARTNEY
 Tract _____ Acres 85 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 660' NE
 Quadrangle BENS RUN (7.5'), ST. MARYS 15'
 County PLEASANTS District UNION
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788
 File No. 79-181 Drawing No. _____
 Date 3/21/79 Scale 1" = 600'

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

WELL LOCATION MAP
 FILE NO. 47-073 - 0738

+ Denotes location of well on United States Topographic Maps, scale 1 to 25,000, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

APR 27 1979

2-2 Bens Run (80)

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

July 9, 1979
Operator's Etzel Coartney
Well No. 1-185
API Well No. 47-073-0738
State County Permit

FORM IV-35
(Obverse)

[08-78]

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: 660 Watershed: Branch of Middle Island Creek
District: Union County: Pleasants Quadrangle: Bens Run 7.5'

WELL OPERATOR Carl E. Smith, Inc. DESIGNATED AGENT Carl E. Smith, Inc.
Address P.O. Box 4 Address P.O. Box 4
Sandyville, WV 25275 Sandyville, WV 25275

PERMITTED WORK: Drill / Convert / Drill deeper / Redrill / Fracture or stimulate
Plug off old formation / Perforate new formation / JUL 13 1979
Other physical change in well (specify) _____

OIL & GAS DIVISION
DEPT. OF MINES

PERMIT ISSUED ON April 6, 1979
(IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED _____, 19____)
OIL & GAS INSPECTOR FOR THIS WORK: Name Phillip Lee Tracy
Address P.O. Box 173, Dodd St.
Middlebourn, WV 26149

GEOLOGICAL TARGET FORMATION: Gordon Depth 2800' feet
Depth of completed well, 2796 feet Rotary / Cable Tools _____
Water strata depth: Fresh, 150 feet; salt, 1726 feet.
Coal seam depths: None Noted Is coal being mined in the area? NO
Work was commenced May 29, 1979, and completed June 5, 1979

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	<u>10 3/4"</u>	<u>H-40</u>	<u>32.75</u>	<input checked="" type="checkbox"/>			<u>250</u>	<u>125</u>	<u>Rinds</u>
Fresh water									
Coal									<u>Sizes</u>
Intermediate	<u>7"</u>	<u>K-55</u>	<u>20"</u>	<input checked="" type="checkbox"/>			<u>1743</u>	<u>75</u>	
Production	<u>4 1/2"</u>	<u>K-55</u>	<u>10.5"</u>	<input checked="" type="checkbox"/>			<u>2786</u>	<u>100</u>	<u>Depth set</u>
Tubing	<u>1 1/2"</u>	<u>K-55</u>	<u>2.75"</u>	<input checked="" type="checkbox"/>			<u>2513.41</u>		
Liners									<u>Perforations:</u>
									<u>Top Bottom</u>

OPEN FLOW DATA

Producing formation Gordon-Gordon Stray Pay zone depth _____ feet
Gas: Initial open flow, 0 Mcf/d Oil: Initial open flow, 0 Bbl/d
Final open flow, 80MCF Mcf/d Final open flow, 1/2 Bbl/d
Time of open flow between initial and final tests, 4 hours
Static rock pressure, 480 psig (surface measurement) after 72 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 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.

AUG 1 1979

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

Perf: 2690-2700 w/4, 2656-2666 w/4, 2639-2649 w/4, - Acidized w/500 gal. 15% HCL, No Results. Plug back to 2550' w/ Pock and Clay.

Perf: 2313-2483 w/30 holes

HOWCO Frac on 6-21-79 w/1000 bbl water, 20M lb 80/100 sd, 60M lb 20/40 sd, 500 Gal. 15% HCL, 500# WC-12, 32 Gal. FR, 55 Gal. parasperse, 30 Gal. Cla-Sta-B, 20 Gal. Frac Flo: BD 1800#, ATP 2250, ATR 40.0 bpm, ISICP 1300#, 107,000 SCF Nitrogen.

WELL LOG

FORMATION	Color	Hard or Soft	34 Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Sand & Shale	-	-	0	1438	Miss. Undiff.
Limestone	White	Hard	1438	1522	Big Lime
Shale	Dark	Soft	1522	1578	
Sandstone	Light	Hard	1578	1726	Big Injun
Shale & Sand	Dark	Soft	1726	2492	Gordon Stray Abs.
Sandstone	Dark	Hard	2492	2504	Gordon
Shale	Dark	Soft	2504	2796	
TOTAL DEPTH				2796	

(Attach separate sheets to complete as necessary)

Carl E. Smith, Inc.
Well Operator
By Thomas P. Sanders
Its Manager - Exploration & Development

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."

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. 1
API Well No. 47-073 - 0738
State County Permit

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

LOCATION: Elevation: 660' Watershed: Branch of Middle Island Creek
District: Union County: Pleasants Quadrangle: Bens Run 7.5'

WELL OPERATOR CARL E. SMITH, INC. DESIGNATED AGENT CARL E. SMITH, INC.
Address P. O. Box 4 Address P.O. Box 4
Sandyville, WV 25275 Sandyville, WV 25275

OIL & GAS ROYALTY OWNER Etsel and Lenora Coartney COAL OPERATOR None
Address Star Route Address
Bens Run, WV 26135

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Etsel and Lenora Coartney
Address Star Route
Bens Run, WV 26135

FIELD SALE (IF MADE) TO:
Name
Address

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Phillip Lee Tracy
Address P. O. Box 173, Dodd St.
Middlebourn, WV 26149
Ph: 758-4573

OIL & GAS DIVISION
DEPT. OF MINES

APR - 6 1979

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 March 7, 1979, to the undersigned well operator from Etsel and Lenora Coartney

If said deed, lease, or other contract has been recorded:
Recorded on out being recorded, 19, in the office of the Clerk of the County Commission of county, West Virginia, in Book at page. 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
PHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS
CONSERVATION COMMISSION
115 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

BLANKET BOND

CARL E. SMITH, INC.
Well Operator
By [Signature]
Its President

[08-78]

WEST VIRGINIA DEPARTMENT OF MINES
MINE SAFETY DIVISION, CHARLESTON, WEST VIRGINIA

FORM IV-2
(Reverse)

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) CARL E. SMITH, INC.

Address P. O. Box 43000

Sandyville, WV 25275

GEOLOGICAL TARGET FORMATION, Gordon

Estimated depth of completed well, 2800 feet. Rotary Cable tools

Approximate water strata depths: Fresh, 100 feet; salt, 1500 feet.

Approximate coal seam depths: None expected 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 (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft	New	Used	For drilling			Left in well
Conductor	10 3/4" H40		32.75#	X		250	250	To Surface	Kinds
Fresh water									
Coal									Sizes
Intermediate	7"	K55	20#	X		1800	1800	75	
Production	4 1/2" K55		10.5#	X		2800	2800	125	Depths set
Tubing	2 3/8" J55		4.6#	X		2800			
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 § 22-4-8a 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.

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 12-09-79

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 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 _____