

New Location
 Drill Deeper
 Abandonment 9/20

Minimum Error of Closure 1 IN 200
 Source of Elevation Elev. 586' Road Intersection Crooked Fork

"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."

Company Steve Duckworth
 Address BOX 88 - Gassaway wva. 26624
 Farm G.B. NORMAN
 Tract _____ Acres 225 1/2 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 662.0'
 Quadrangle RIPLEY
 County JACKSON District ROVENSWOOD
 Engineer W. L. Sifton
 Engineer's Registration No. 1832
 File No. _____ Drawing No. _____
 Date 8-15-70 Scale 1" = 600'

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

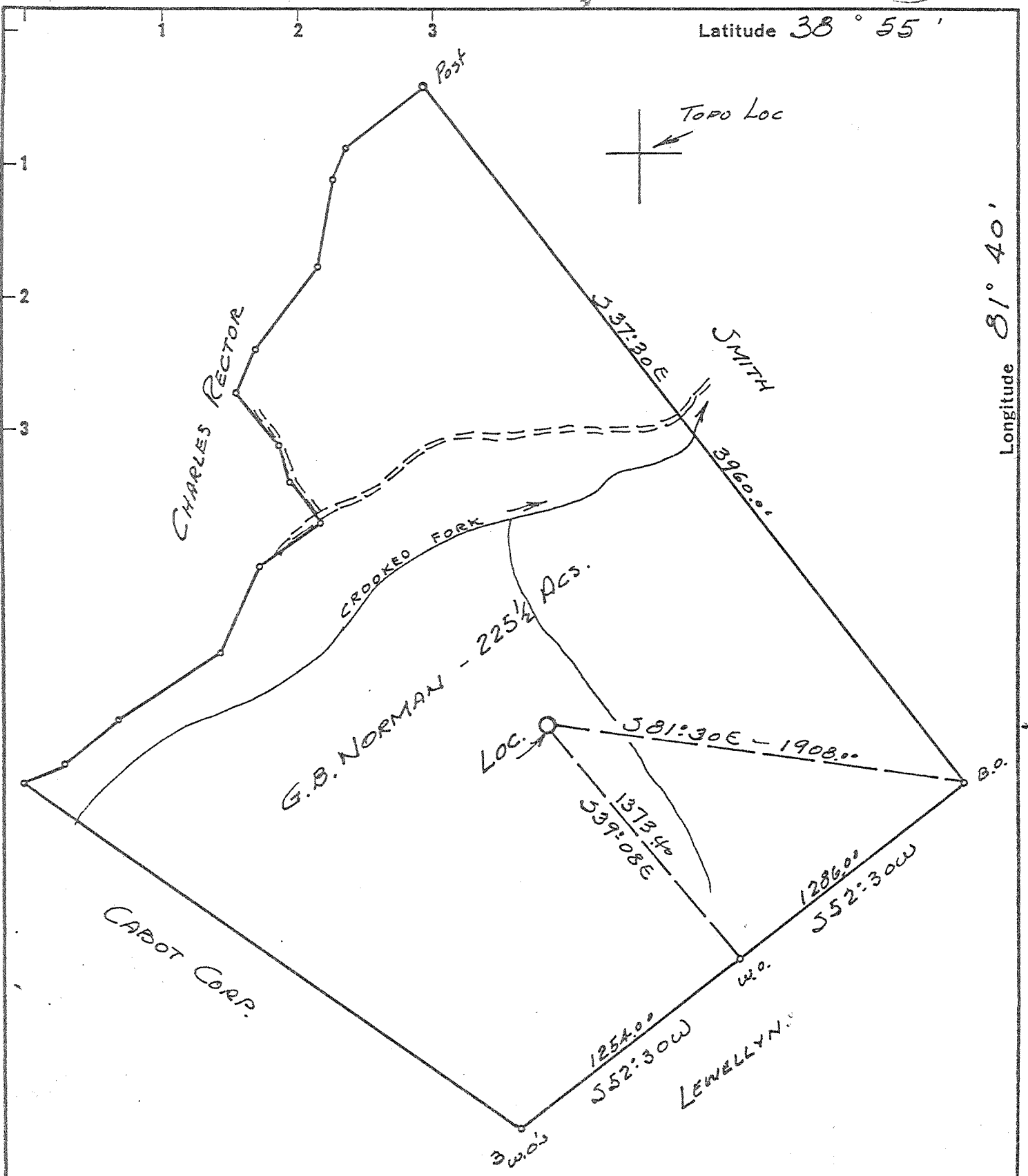
WELL LOCATION MAP

FILE NO. Jac-1232-PP-P

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border lines of original tracing. 47-035

SEP 28 1970



- New Location
- Drill Deeper
- Abandonment

Minimum Error of Closure 1 IN. 200
 Source of Elevation Elev. 586' Road Intersection Crooked Fork

"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."

Company MICHAEL PICKERTON

Address 2029 MARTINEZ BR. Road, CHAS, 25314

Farm G.B. NORMAN

Tract _____ Acres 225 1/2 Lease No. _____

Well (Farm) No. 1 Serial No. _____

Elevation (Spirit Level) 662.0'

Quadrangle RIPLEY

County JACKSON District ROVENJWOOD

Engineer W. L. Sefton

Engineer's Registration No. 1832

File No. _____ Drawing No. _____

Date 8-15-70 Scale 1" = 600'

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

WELL LOCATION MAP
 FILE NO. Jaw-1232-PP

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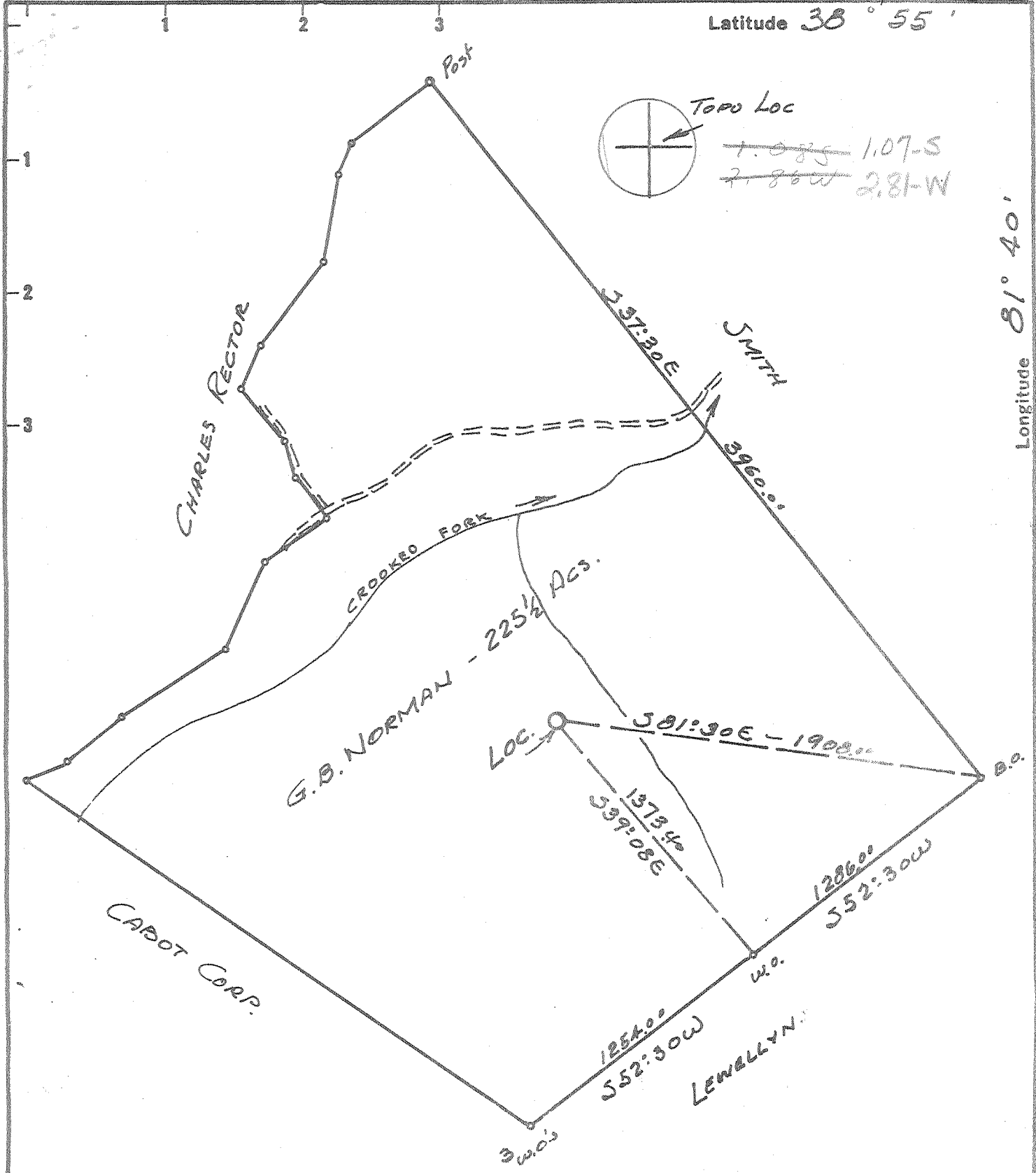
- Denotes one inch spaces on border line of original tracing.

Deep Well

MAY 26 1981

Latitude $38^{\circ} 55'$

Longitude $81^{\circ} 40'$



- New Location
- Drill Deeper
- Abandonment

Minimum Error of Closure $1/1000$
 Source of Elevation Elev. 586' Road Intersection Crooked Fork

"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."

Company PATRICK PETROLEUM Corp.
 Address COMMERCE SQUARE, CHARLESTON, W.Va.
 Farm G.B. NORMAN
 Tract _____ Acres 225 1/2 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 662.0'
 Quadrangle RIPLEY WC
 County JACKSON District RAVENSWOOD
 Engineer W.L. Sefton
 Engineer's Registration No. 1832
 File No. _____ Drawing No. _____
 Date 8-15-76 Scale 1" = 600'

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

WELL LOCATION MAP
 FILE NO. Jac-1232

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

6-6 WO North Ripley (342)

Deep Well (Newburg)
 AUG 6 1971 SEP 4 1970



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION 3

Rotary
Spudder
Cable Tools
Storage

Quadrangle RIPLEY
Permit No. JAC- 1232

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company	PATRICK PETROLEUM CORPORATION		Casing and Tubing	Used in Drilling	Left in Well	Packers
Address	1230 Commerce Square - Chas., W.Va.		Size			
Farm	G. B. Norman Acres. 225-1/2		16			Kind of Packer None
Location (waters)	X/ Crooked Fork		13-3/8	60'	60'	Size of
Well No.	1 Elev. 662.0'		10			Depth set
District	Ravenswood County Jackson		8 3/4 -5/8	2425'	2394'	
The surface of tract is owned in fee by	G. B. Norman		6%			
Mineral rights are owned by	Same		5 3/16-1/2	5483'	5460'	
Drilling commenced	9-2-70		4 1/2			Perf. top
Drilling completed	9-15-70		3			Perf. bottom
Date Shot	From To		2			Perf. top
With			Liners Used	None	None	Perf. bottom
Open Flow	/10ths Water in. Inch		Attach copy of cementing record. 13-3/8 - 60 sks.			
Volume	Nbg. drlg. in on fluid Cu. Ft.		CASING CEMENTED 8-5/8 SIZE 2394 No. Ft. 2394 Date			
Rock Pressure	lbs. hrs.		Amount of cement used (bags) 325 Sk.			
Oil	None bbls., 1st 24 hrs.		Name of Service Co. Dowell			
WELL ACIDIZED (DETAILS)	None		COAL WAS ENCOUNTERED AT None FEET INCHES			
WELL FRACTURED (DETAILS)	500 mud acid - 1000 bbls. jelled H ₂ O - 30,000# 20/40		FEET INCHES FEET INCHES			
RESULT AFTER TREATMENT (Initial open Flow or bbls.)	sn. ave inj. 24 Bpm - ave. treating Psi 3700 - max. Psi 4200		FEET INCHES FEET INCHES			
ROCK PRESSURE AFTER TREATMENT	1950		Estimate - 60 MMCF <i>6000000</i>			
Fresh Water	Feet		HOURS 1 Hr.			
Producing Sand	Nbg. Newburg		Salt Water 270' Feet			
			Depth 5487 to 5497			

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay			0	20			
Sand & Shale			20	275	Damp at	275'	
Sand - <i>1 1/2" pits?</i>			275	350			
Sand & Shale			350	660			
Sand			660	1095			
Sand & Shale			1095	1698			
Lime - <i>Big lime</i>			1698	1845			
Sandy Lime			1845	2087			
Sand & Shale			2087	2166			
Sand & Shale			2166	2280			
Shale		Soft	2280	2290			
Shale		Soft	2290	2300			

RECEIVED
AUG 6 1971
OIL & GAS DIVISION
DEPT. OF MINES

Formation	Color	Hard or Soft	Top 3	Bottom	Oil, Gas or Water	Depth Found	Remarks
✓ Coffee Shale	- Dark Brn.	-Soft	2300	2330			
✓ Berea			2330	2340			
Shale			2340	4628			
✓ Onondoga	-Lime	-463	+ORISKANY + HELLSBERG +SALINA	4628			
Dolomite	-SALINA		5400	5460			
✓ Newberg			5487	5497			(Picked from drilling time)
✓ Limestone	-MCKENZIE		5497	5517			Total Depth
				545			
<p><u>Note:</u></p> <p>60' - 13-3/8" - Cemented w/60 sks.</p> <p>2394' - 8-5/8" - Cemented w/325 sks. - Dowell</p> <p>5460 - 5-1/2" - Cemented w/50 Cft. Lite Poz. - 100 sks.- 250 Bbls. 3% Jel. - Dowell</p> <p>Well logged by Schlumberger - Unable to reach TD</p>							

Date January 17, 19 7

APPROVED PATRICK PETROLEUM CORPORATION, Owner

By [Signature]
(Title)
Division Manager

RECEIVED
AUG 01 1988

RECEIVED
MAY 03 1988

FORM WR-38
(Affidavit of Plugging)

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS WELLS DIVISION
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
PLUGGING AND FILLING WELL

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Coal Operator or Owner Steve Duckworth Name of Well Operator
 Address Gassaway, W. VA. 26624 Complete Address
 Coal Operator or Owner Jan 10 19 88 WELL AND LOCATION
 Address Ravenswood District
 Lease or Property Owner Sackson County
 Address _____ WELL NO. # 1

STATE INSPECTOR SUPERVISING PLUGGING G. B. Norman Farm
Homer Daugherty

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of _____ ss:

Eugene Prunty and Rick Duckworth
being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Steve Duckworth, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 15 day of Sept., 19 82, and that the well was plugged and filled in the following manner:

Sand or Zone Record Formation	Filling Material	Plugs Used Size & Kind	Casing	
			CSG PULLED	CSG LEFT IN
	<u>Fill hole with Gel</u>			
	<u>Cement</u>	<u>2450-2350</u>		
	<u>Cement</u>	<u>180-150</u> <u>86</u>	<u>8 7/8</u> <u>190'</u>	
	<u>Cement</u>	<u>50-0</u>		<u>8 5/8</u> <u>22.23</u>
	<u>This well was partially plugged before this permit.</u>			
Coal Seams		Description of Monument		
(Name)		<u>7" Pipe according</u>		
(Name)		<u>to rules & regulations</u>		
(Name)				
(Name)				

and that the work of plugging and filling said well was completed on the 18 day of Sept., 19 82.

And further deponents saith not.

Sworn to and subscribed before me this 3 day of May, 19 88.
Eugene Prunty
Rick Duckworth
Albert B. Stewart
Notary Public

My commission expires:

Feb 23, 1991

Permit No. Jac-1232-P

2/24/89