

Frac.  - 9/16/81

- New Location
- Drill Deeper
- Redrill
- Abandonment

Company	<u>Norman Slaughter</u>
Address	<u>RIPLEY, W. VA.</u>
Farm	<u>E. C. RHODES</u>
Tract	<u>Acres 54.3</u> Lease No. _____
Well (Farm) No.	<u>1</u> Serial No. _____
Elevation (Spirit Level)	<u>645.00</u>
Quadrangle	<u>RIPLEY - SC</u>
County	<u>JACKSON</u> District <u>RIPLEY</u>
Engineer	<u>C. J. Dyre</u>
Engineer's Registration No.	<u>804</u>
File No.	_____ Drawing No. _____
Date	<u>9-4-62</u> Scale <u>1" = 400'</u>

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

**WELL LOCATION MAP**  
FILE NO. JAC-1053 - Frac.

+ 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.

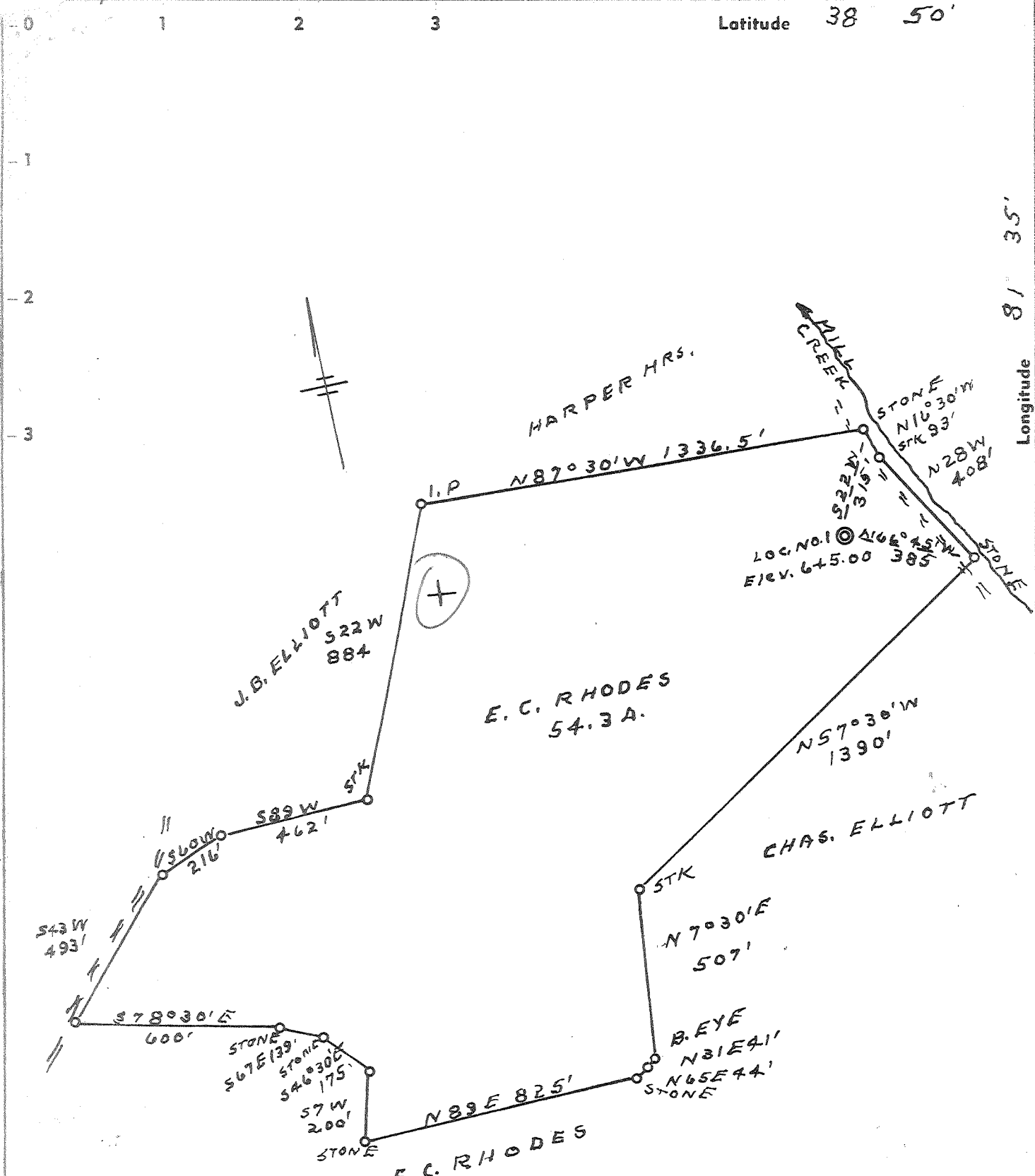
SEP 28 1981

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

47-035

6-6 (31) - OWWO - (192)

DEEP WELL



- New Location .
- Drill Deeper . . . .
- Redrill . . . . .
- Abandonment . . . . .

8-SW (H-5<sub>2</sub>)

4,32-S  
~~4,36-S~~  
~~440-W~~  
 4,32-W

Company (E.M. REYNOLDS) RHODES GAS CO.

Address RIPLEY, W. VA.

Farm E.C. RHODES

Tract \_\_\_\_\_ Acres 54.3 Lease No. \_\_\_\_\_

Well (Farm) No. 1 Serial No. \_\_\_\_\_

Elevation (Spirit Level) 645.00

Quadrangle RIPLEY-SC

County JACKSON District RIPLEY

Engineer L. J. Dyer

Engineer's Registration No. 804

File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_

Date 9-4-62 Scale 1" = 400'

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

**WELL LOCATION MAP**

FILE NO. JAC-1053

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 line of original tracing.

No samples 6-6 (192) Deep Well



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Company Tools

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

Quadrangle Ripley

REVISED

Permit No. 47-035-1053

PLUG BACK TO SHALE

Company Norman C. Slaughter  
Address P.O. Box 181, Ripley, WV  
Farm E. C. Rhodes Acres 54.3  
Location (waters) Mill Creek  
Well No. 1 Elev. 645  
District Ripley County Jackson  
The surface of tract is owned in fee by \_\_\_\_\_  
E. C. Rhodes  
Address \_\_\_\_\_  
Mineral rights are owned by \_\_\_\_\_  
Address \_\_\_\_\_  
Drilling Commenced 9-11-62  
Drilling Completed 4-15-63  
Initial open flow \_\_\_\_\_ cu. ft. \_\_\_\_\_ bbls.  
Final production 75 M (Oriskany) cu. ft. per day \_\_\_\_\_ bbls.  
Well open \_\_\_\_\_ hrs. before test 900 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size			
20-16			
Cond.	19		
13-10"	48		
9 5/8	393		
8 5/8		1982	
7			
5 1/2			
4 1/2	-	4595.89	75 sks.
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Foam Frac Brallier 9-21-81 wi 60,000# 80/100

1st Stage - ATP 1665, AIR 7.8, ISI 600

2nd Stage - ATP 1653, AIR 7.5, ISI 1100

FOF 163 Mcf RP 890# (Shale)

3544 - 4106' - 32 Holes - Huron shale  
2952 - 3052' - 24 Holes - up. Dev. shale

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Brallier Depth See Above

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Surface			0	15		
Sand	White	Hard	15	40		
Slate	White	Soft	40	70		
Sand	White	Hard	70	140		
Red Rock	Red	Soft	140	150		
Slate	Gray	Soft	150	305		
Red Rock	Red	Soft	305	320	2952	3544
Slate	Gray	Soft	320	435	2310	2310
Pink Rock	Pink	Soft	435	445		
Slate	Gray	Soft	445	482		
Sand	White	Hard	482	515		
Red Rock	Red	Soft	515	550		
Slate	Gray	Soft	550	612		
Red Rock	Red	Soft	612	662		
Slate	Gray	Soft	662	788		
Red Rock	Red	Soft	788	800		
Slate	Gray	Soft	800	877		
Sand	White	Hard	877	972		
Slate	Gray	Soft	972	1045		
Sand	White	Hard	1045	1450		
Slate	Gray	Soft	1450	1585		
Sand	White	Hard	1585	1705		
Big Lime	White	Hard	1705	1795		

2952 3544  
2310 2310  
642 1234

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OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

AUG 30 1982

(over)

\* Indicates Electric Log logs in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Slate	Gray	- Soft	1795	1815		
Sand	White	- Hard	1815	1900		
Slate & Shells	Gray	- Soft	1900	2285		
Brown Shale	Brown	- Soft	2285	2300		
Berea Sand	White	- Hard	2300	2310		
Slate Shells	White	- Soft	2310	3550	Gas	2956 - 71' - 75 M Blew Out
Brown Shale	Brown	- Soft	3550	3615		
White Slate	White	- Soft	3615	3828	Oil @	3045-50' - Show
Brown Shale	Brown	- Soft	3828	4125	Gas @	3912-20' - 21 M
White Slate	White	- Soft	4125	4533		
Brown Shale	Brown	- Soft	4533	4630	Gas @	4545-53' - 67 M
White Slate	White	- Soft	4630	4810	Gas @	4583-93' - 84 M
Car Lime	White	- Hard	4810	4906		
Oriskany Sand	White	- Hard	4906	4912	Gas @	4906-10' - 67 M
TOTAL DEPTH				4912		

Date \_\_\_\_\_ 19\_\_

APPROVED Norman C. Slaughter Owner

By

Norman C. Slaughter  
(Title)



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Quadrangle Ripley

WELL RECORD

Permit No. JAC 1053

Oil or Gas Well XMG Gas  
(KIND)

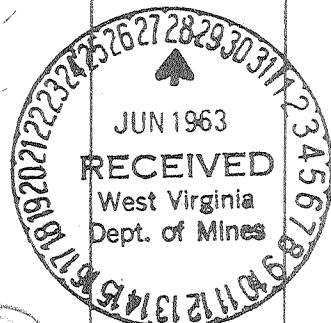
Company Rhodes Gas Company  
Address Ripley, West Virginia  
Farm E.C. Rhodes Acres 54.3  
Location (waters) Mill Creek  
Well No. 1 Elev. 645  
District Ripley County Jackson  
The surface of tract is owned in fee by E.C. Rhodes  
Address Ripley, W. Va.  
Mineral rights are owned by E.C. Rhodes  
Address Ripley, W. Va.  
Drilling commenced Sept. 11, 1962  
Drilling completed April 15, 1963  
Date Shot - From - To -  
With -  
Open Flow 35 /10ths Water in 1 Inch  
- /10ths Merc. in - Inch  
Volume 75,000 Cu. Ft.  
Rock Pressure 900 lbs. 48 hrs.  
Oil - bbls., 1st 24 hrs.  
Fresh water - feet  
Salt water - feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
18	19		Kind of Packer
18	48		
10	393		Size of
8 1/4		1982	
6 3/8			Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
<u>ALL pipe squaged</u>			Perf. bottom

CASING CEMENTED - SIZE - No. Ft. - Date -

COAL WAS ENCOUNTERED AT - FEET - INCHES  
- FEET - INCHES - FEET - INCHES  
- FEET - INCHES - FEET - INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Surface			00	15			
Sand	white	hard	15	40			
slate	white	soft	40	70			
sand	white	hard	70	140			
red rock	red	soft	140	150			
slate	gray	soft	150	305			
red rock	red	soft	305	320			
slate	gray	soft	320	435			
pink rock	pink	soft	435	445			
slate	gray	soft	445	482			
sand	white	hard	482	515			
red rock	red	soft	515	550			
slate	gray	soft	550	612			
red rock	red	soft	612	662			
slate	gray	soft	662	788			
red rock	red	soft	788	800			
slate	gray	soft	800	877			
sand	white	hard	877	972			
slate	gray	soft	972	1045			
sand	white	hard	1045	1450			Set sand & Gas sand & Big Muskard s.
slate	gray	soft	1450	1585			
sand	white	hard	1585	1705			
big lime	white	hard	1705	1795			
slate	gray	soft	1795	1815			
sand	white	hard	1815	1900			
slate & shells	gray	soft	1900	2285			
brown shale	brown	soft	2285	2300			
beria sand	white	hard	2300	2310			
slate shells	white	soft	2310	3550			
brown shale	brown	soft	3550	3615			
white slate	white	soft	3615	3828			
brown shale	brown	soft	3828	4125			
white slate	white	soft	4125	4533			
brown shale	brown	soft	4533	4630			
white slate	white	soft	4630	4810			
car lime	white	hard	4810	4906			
oriskany sand	white	hard	4906	4912			
TOTAL DEPTHS				4912			



*Peer Well*



Well No. 1  
Farm E. C. Rhodes  
API # 47 - 035 - 1053 - Frac.  
Date 8-24-81

STATE OF WEST VIRGINIA  
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil  / Gas  /

(If "Gas", Production  / Underground storage  / Deep  / Shallow  /

LOCATION: Elevation: 645' Watershed: Mill Creek  
District: Ripley County: Jackson Quadrangle: Ripley

WELL OPERATOR Norman Slaughter  
Rhodes Gas Co.  
Address Ripley, WV

DESIGNATED AGENT Same  
Address \_\_\_\_\_

OIL AND GAS  
ROYALTY OWNER E. C. Rhodes  
Address \_\_\_\_\_

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

Acreage 54.3

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

SURFACE OWNER Same  
Address \_\_\_\_\_

Acreage \_\_\_\_\_

NAME \_\_\_\_\_  
Address \_\_\_\_\_

FIELD SALE (IF MADE) TO:  
NAME Norman Slaughter  
Address Ripley, WV

COAL LESSEE WITH DECLARATION ON RECORD:  
NAME \_\_\_\_\_  
Address \_\_\_\_\_

OIL AND GAS INSPECTOR TO BE NOTIFIED:  
NAME \_\_\_\_\_  
Address \_\_\_\_\_  
Telephone \_\_\_\_\_

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SEP 9 - 1981

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed  / lease  / other contract  / dated \_\_\_\_\_, 19\_\_\_\_, to the undersigned well operator from Rhodes Gas Co.

(If deed, lease, or other contract has been recorded:)

Recorded on \_\_\_\_\_, 19\_\_\_\_, in the office of the Clerk of County Commission of \_\_\_\_\_ County, West Virginia, in \_\_\_\_\_ Book at page \_\_\_\_\_. A permit is requested as follows:

PROPOSED WORK: Drill  / 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 receipt of this Application by the Dept. 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 lessees on or before the day of the mailing or delivery of this 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  
1613 WASHINGTON ST., E.  
CHARLESTON, WV 25311  
Telephone - 304/348-3092

Norman Slaughter  
Well Operator

By: [Signature]  
Its: [Signature]

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) \_\_\_\_\_

Address \_\_\_\_\_

GEOLOGICAL TARGET FORMATION Shale

Estimated depth of completed well \_\_\_\_\_ feet. Rotary \_\_\_ / Cable tools \_\_\_ /

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

Approximate coal seam depths: \_\_\_\_\_

Is coal being mined in this area: Yes \_\_\_ / No X /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft	New	Used	For Drill-ling		
Conductor	16"					19'		Kinds
Fresh water	13"					48'		
Coal	10"					393'		<i>19 1/2" sizes</i>
Intermed.	7"					1982'	1982'	<i>B</i>
Production	4 1/2"					-	4700'	<i>300 cement</i> Depths set
Tubing	1 1/2"						4700'	
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.

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 fracturing. This permit shall expire if operations have not commenced by 5-16-82

*Fred D. Smith*  
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 regularions.

Date: \_\_\_\_\_, 19\_\_\_\_.

By: \_\_\_\_\_

Its: \_\_\_\_\_