

FILE NO. 81-0304 B  
 DRAWING NO. 1  
 SCALE 1"=500'  
 MINIMUM DEGREE OF ACCURACY 1:2500  
 PROVEN SOURCE OF ELEVATION C & GS. B.M. # K-34  
Elev. = 633.175'

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) [Signature]  
 R.P.E. \_\_\_\_\_ L.L.S. 699

PLACE SEAL HERE

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



DATE 4 April, 19 81  
 OPERATOR'S WELL NO. F.R. WELLS # 51  
 API WELL NO. 47 - 095 - 0910F  
 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 624.7 WATER SHED OHIO RIVER  
 DISTRICT LINCOLN COUNTY TYLER  
 QUADRANGLE NEW MATAMORAS  
 SURFACE OWNER W. P. INGRAM ACREAGE 14.89 ac.  
 OIL & GAS ROYALTY OWNER J. ELID, KINKAID, SCHUTT, et al. LEASE ACREAGE 454  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL  CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

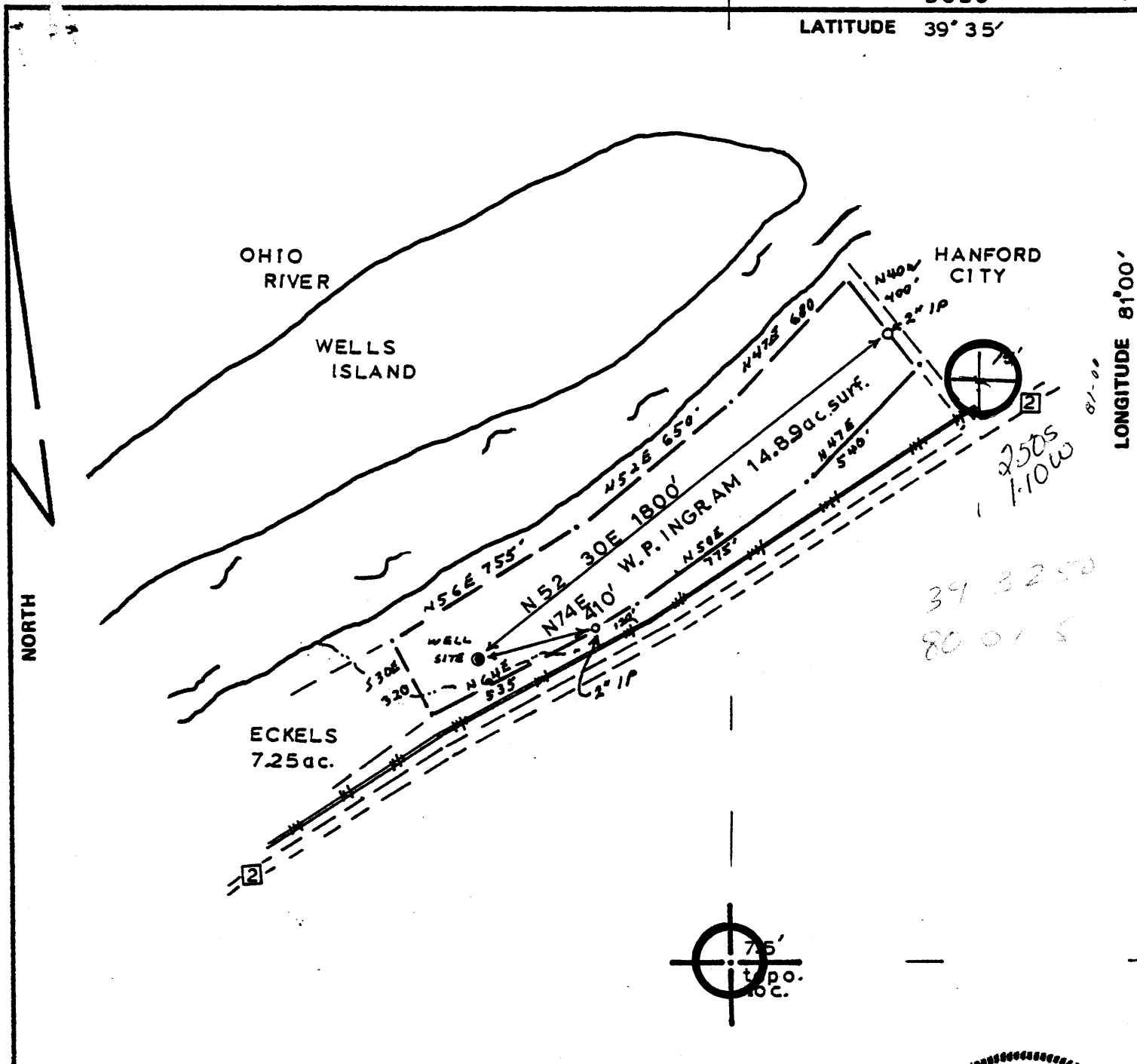
PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION OHIO SHALE ESTIMATED DEPTH 5990  
 WELL OPERATOR MUSTANG PET. INC DESIGNATED AGENT  
 ADDRESS 30 MA GEDCO OIL AND GAS JOINT VENTURE  
 P.O. Box 430  
 ADDRESS Rocky Roberts Same  
**FEB 25 2000**

TYLER 0910F

Plot 4/15

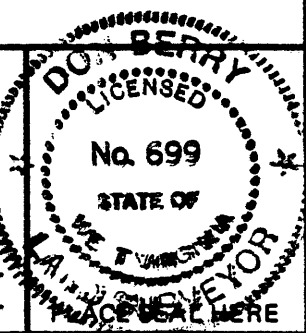
5650'  
LATITUDE 39° 35'

LONGITUDE 81° 00'



FILE NO. 81-0304B  
 DRAWING NO. 1  
 SCALE 1"=500'  
 MINIMUM DEGREE OF ACCURACY 1:2500  
 PROVEN SOURCE OF ELEVATION C&GS BM# K-34  
Elev.=633.175'

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) Don Berry  
 R.P.E. \_\_\_\_\_ L.L.S. 699



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

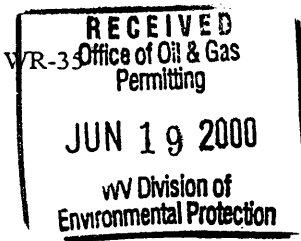


DATE 4 April, 19 81  
 OPERATOR'S WELL NO. E.R. WELLS# 51  
 API WELL NO. 47-095-0910  
 STATE COUNTY PERMIT

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 624.7 WATER SHED OHIO RIVER  
 DISTRICT LINCOLN COUNTY TYLER  
 QUADRANGLE NEW MATAMORAS 712415 SE  
 SURFACE OWNER W. P. INGRAM ACREAGE 14.89 ac.  
 OIL & GAS ROYALTY OWNER JELID, KINKAID, SCHUTT, et al. LEASE ACREAGE 454  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL  CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION OHIO SHALE ESTIMATED DEPTH 5990  
 WELL OPERATOR MUSTANG PET. INC DESIGNATED AGENT LYNN VANFOSSEN  
 ADDRESS 301 LANCASTER ST MARIETTA OH 45750 ADDRESS 252 DUDLER ST EXT DAVENPILLE WV 26142



DATE: June 13, 2000  
API #: 47-095-00910-F

State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

Reviewed \_\_\_\_\_

Well Operator's Report of Well Work

Farm name: William Ingram Operator Well No.: Ingram #1

LOCATION: Elevation: 624.7' Quadrangle: New Matamoras 7.5'

District: Lincoln County: Tyler  
Latitude: 13,200 Feet South of 39 Deg. 35 Min. \_\_\_\_\_ Sec.  
Longitude 5,650 Feet West of 81 Deg. 00 Min. \_\_\_\_\_ Sec.

Company: Triad Resources, Inc.

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: P.O. Box 430 Reno, Ohio 45773				
Agent: Kimberly Lynch	13 3/8"		35'	to surface
Inspector: Mike Underwood	8 5/8"		885'	to surface
Date Permit Issued: 2/22/00				
Date Well Work Commenced: 3/8/00				
Date Well Work Completed: 3/20/00	7"		1359'	to surface
Verbal Plugging:				
Date Permission granted on:	4 1/2"		5097'	t.o.c. 1164'
Rotary Cable Rig X				
Total Depth (feet): PBD 1698'	2"		1690'	
Fresh Water Depth (ft.): 30'-100-				
Salt Water Depth (ft.): 1400'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): N/A				

OPEN FLOW DATA

Producing formation Big Injun Pay zone depth (ft) 1382'-1387'  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow show MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests 48 Hours  
Static rock Pressure 20 psig (surface pressure) after 48 Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_  
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 pressure) after \_\_\_\_\_ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: Rocky Roberts  
By: Rocky Roberts Geologist  
Date: 6/13/00

JUN 13 2000

TYL 0910 F

**PARTIAL PLUGBACK:**

Original total depth 5097'. Well had perforations in Devonian Shale and Weir sand. Set first plug from 4807' to 4407' with 34 sacks Class A cement through 2 3/8" tubing. Set gel spacer. Set final plug from 1950' to 1650' with 25 sacks Class A cement. Shut down. Next day tagged cement at 1698'. New plugback total depth(PBTD) 1698'

**Perforations:**

Big Injun Sand 1382' - 1387' 20 shots

**TREATMENT:**

1000 gallons 15% HCL acid and 100 bbls treated water. BDP: 1900 psig, ATP: 1350 psig, Rate: 5 BPM

**FORMATIONS:**

See original completion report.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division  
WELL RECORD

**RECEIVED**  
AUG 1 1981  
DEPARTMENT OF MINES

Quadrangle New Matamoras  
Permit No. 47-095-0910

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

Company MUSTANG PETROLEUM, INC.  
Address 301 Lancaster St. Marietta, O.  
Farm W. P. Ingram Acres 14.89  
Location (waters) Ohio River  
Well No. 1 Elev. 624.7  
District Lincoln County Tyler  
The surface of tract is owned in fee by \_\_\_\_\_  
W. P. Ingram  
Address Rt. #2, Sistersville, WV 26175  
Mineral rights are owned by J. Elid Kincaid, et al  
Address Rt. 2, Sistersville, WV  
Drilling Commenced 4/27/81  
Drilling Completed 5/5/81  
Initial open flow Show cu. ft. \_\_\_\_\_ bbls.  
Final production 100 M. cu. ft. per day \_\_\_\_\_ bbls.  
Well open 48 hrs. before test 1600 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. <del>xxxx</del> 13 3/8"	36'	35'	Surface
9 5/8			
8 5/8	650'	885'	Surface
7 1/2	1550'	1359'	Surface
5 1/2			
4 1/2	5113'	5097'	345 Sks.
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Shale 220 BBL 15 000# 80'100 45 000# 20'40 500 Gal Acid 4742'-5087'

Weir & Berea 495 BBL 10 000 #80'100 30 000# 20'40 750 Gal Acid 1816'-1919'

*100MCF*

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
Fresh water 1" @ 190' 1" @ 1000' Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Shale Weir, Berea Depth 4750', 1800 1910-18

*Dev. Shale Weir Berea*

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay			0	15		
Sand, Shale			15	50		
Sand			50	85		
Sand, Shale			85	250	1" @ 190	Fresh H <sub>2</sub> O
Sand			250	630		
Sand, Shale			630	1378	1" @ 1000'	Fresh H <sub>2</sub> O
Big Lime			1378	1510		
Sand, Shale			1510	1802		
Weir			1802	1839		
Sand, Shale			1839	1910		
Berea			1910	1918		
Sand Shale			1918	2142		
Gantz			2142	2174		
Sand Shale			2174	2978		
Gordon			2978	3014	Show of Gas	
Sand Shale			3014	4500		
Benson			4500	4508	Show of Gas	
Sand Shale			4508	5113 T D		

*5113  
3500  
1613 ft.  
exploratory*

**AUG 17 1981**

\* Indicates Electric Log tops in the remarks section.



Date April 7, 1981

Farm  
Name: W. P. Ingram

API No. 47 - 095-0910

State County Perm

OIL AND GAS WELL PERMIT APPLICATION

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

LOCATION: Elevation: 624.7 Watershed: Ohio River

District: Lincoln County: Tyler Quadrangle: New Matamoras

WELL OPERATOR Mustang Petroleum, Inc. DESIGNATED AGENT Lynn A. VanFossen

Address 301 Lancaster Street  
Marietta, Oh 45750

Address 252 Poplar St. Ext.  
Davisville, WV 25142

OIL & GAS  
PROPERTY OWNER J. Elid, Kinkaid, Schutt et al

COAL OPERATOR None

Address Route # 2  
Sistersville, WV 26175

Address \_\_\_\_\_

Acreage 14.89 of 454

COAL OWNER(S) WITH DECLARATION ON RECORD:

Name None

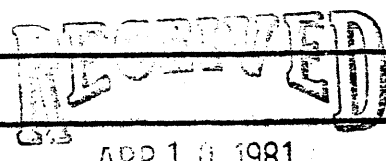
PROPERTY OWNER W. P. Ingram

Address Route # 2  
Sistersville, WV 26175

Address \_\_\_\_\_

Acreage 14.89

Name None



FIELD SALE (IF MADE) TO:

Address \_\_\_\_\_

Name None

OIL & GAS DIVISION  
DEPT. OF MINES

Address \_\_\_\_\_

COAL LESSEE WITH DECLARATION ON RECORD:

Name \_\_\_\_\_

LOCAL AND GAS INSPECTOR TO BE NOTIFIED:

Address \_\_\_\_\_

Name Phillip Lee Tracy

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed \_\_\_ / lease \_\_\_ / other contract  / dated 1/16, 1981, to the undersigned well operator from Robertson-Williams Oil Corp. (assignment) (If said deed, lease or other contract has been recorded:)

Recorded on 3/9, 1981, in the office of the Clerk of the County Commission of Tyler County, West Virginia, in Deed Book 229, at page 190. 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) Will fracture if productive

--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 522-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by Department of Mines. 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 Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL  
PHYSICAL LOGS DIRECTLY TO:

BLANKET BOND

*John Beckus, President*

PROPOSED WORK ORDER

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

DILLING CONTRACTOR (IF KNOWN) R. H. Whipkey  
Address Rosemar and Hazel Street St.  
Parkersburg, WV 26101

GEOLOGICAL TARGET FORMATION, \_\_\_\_\_

Estimated depth of completed well, 5990 feet Rotary  / Cable tools \_\_\_\_\_ /  
Approximate water strata depths: Fresh, 300 feet; salt, 800 feet.  
Approximate coal seam depths: None Is coal being mined in the area? Yes \_\_\_\_\_ / No

HOUSING AND TUBING PROGRAM

HOUSING 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			X		20'	20'		Kinds
Fresh water									
Coal									Sizes
Intermediate	8 5/8"	K-55	24#	X		400'	400'	To Surface	
Production	4 1/2"	K-55	10.50	X		5990'	5990'	220 cu. ft	Depths set
Tubing								600 or as reqd.	
Packers								by rule	Perforations:
								15.01	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 drilling. This permit shall expire if operations have not commenced by 12-14-81.

*J. H. 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 § 22-4-20, 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.

By \_\_\_\_\_

Its \_\_\_\_\_