

GIL-126-FRAC.

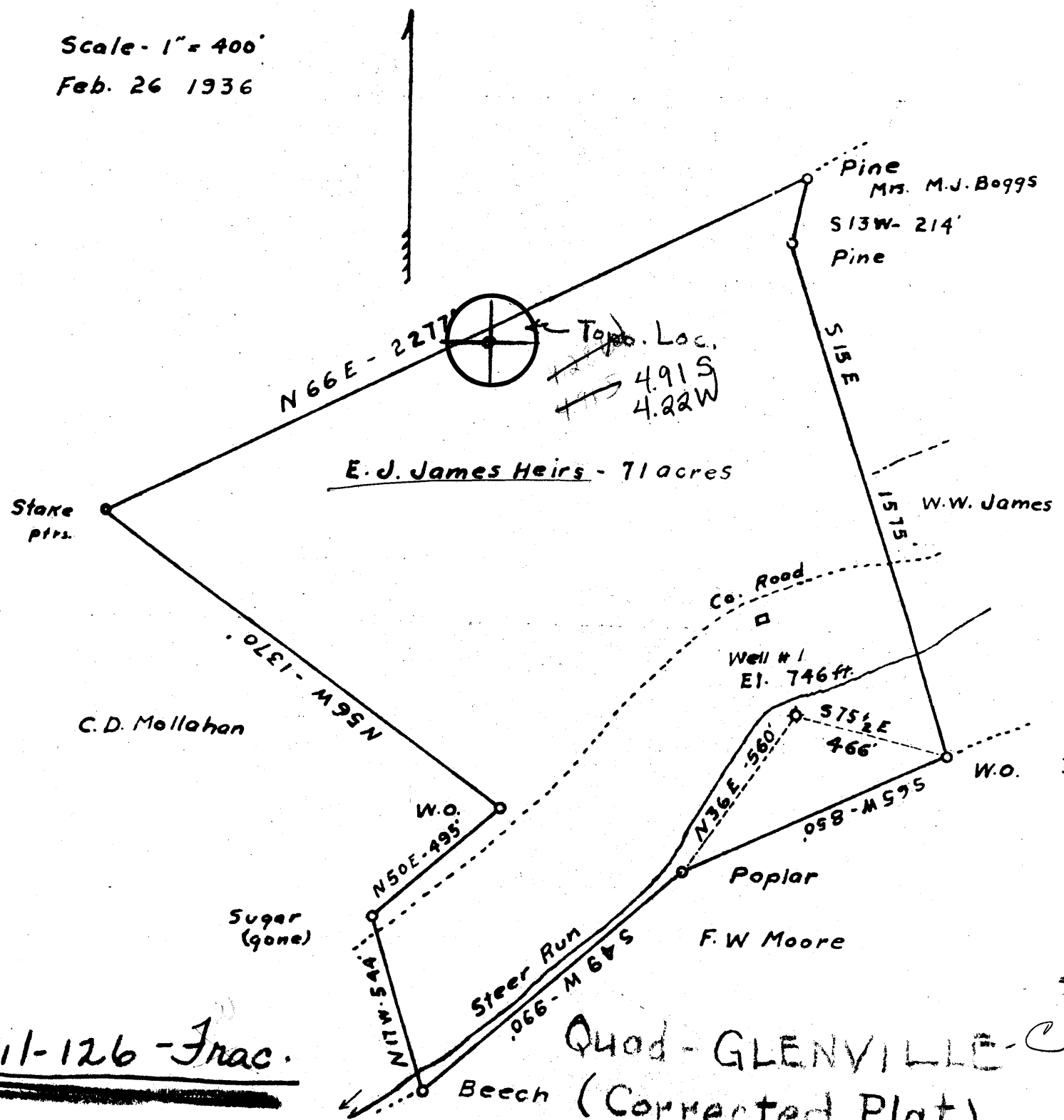
Murwin Oil Corp.
Olney, Illinois

Lat. 38° 55'

Long. 80° 50'

Plat of the proposed location of well # 1-86 of the
Mud Lick Oil and Gas Co. of Pittsburg Pa. on the E.J. James
heirs farm consisting of 71 acres located in Center
District of Gilmer County.

Scale - 1" = 400'
Feb. 26 1936



Gil-126-Frac.

Engineer's Certificate

I the undersigned hereby Certify that this map
correct and Shows all the information to the best of
my knowledge and belief required by the oil and gas
action of the Mining Laws of West Virginia.

John M. Shock

Engineer

6-6 Stumptown-Normantown- (180)
Shock

OCT 1 1974

GIL-126-FRAC.

Murvin Oil Corp.
Olney, Illinois

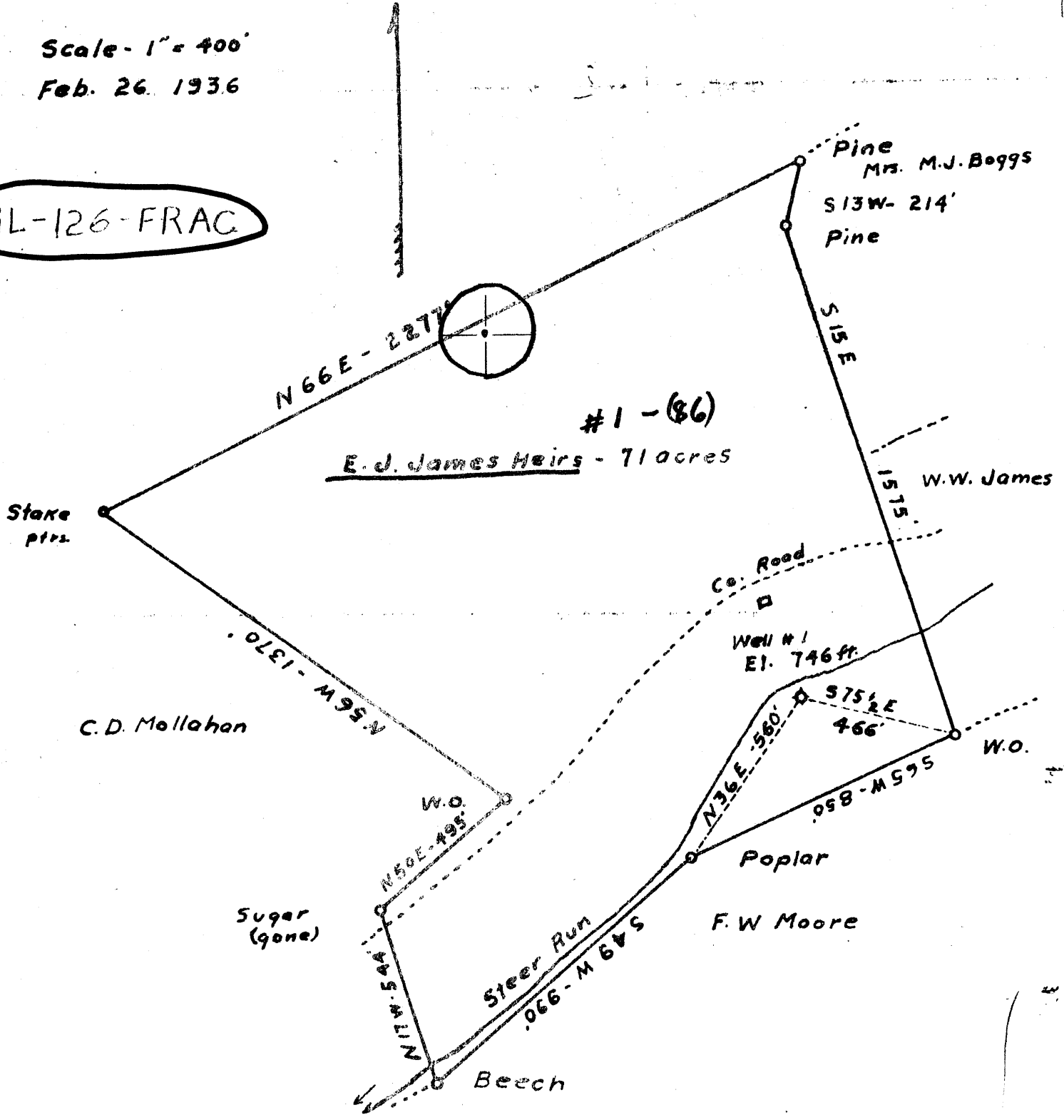
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Mud Lick Oil and Gas Co. of Pittsburgh Pa. on the E.J. James
heirs farm consisting of 71 acres located in Center
District of Gilmer County. Glenville Quad-C

Scale - 1" = 400'
Feb. 26, 1936

GIL-126-FRAC



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is correct and shows all the information to the best of
my knowledge and belief required by the oil and gas
section of the Mining Laws of West Virginia.

Wm. M. [Signature]
Engineer

AUG 26 1974

Notary



RECEIVED

IV-35
(Rev 8-81)

OCT 13 1982

State of West Virginia

OIL & GAS DIVISION
DEPT. OF MINES

Department of Mines
Oil and Gas Division

Date October 12, 1982
Operator's
Well No. 1

Farm E. J. James Heirs

API No. 47 - 021 - 126 (frac)

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil ___ / Gas X / Liquid Injection ___ / Waste Disposal ___ /
(If "Gas," Production X / Underground Storage ___ / Deep ___ / Shallow X /)

LOCATION: Elevation: 746 Watershed Steer Creek
District: Center County Gilmer Quadrangle Glenville

COMPANY Murvin Oil Corporation

ADDRESS Box 297, Olney, Illinois 62450

DESIGNATED AGENT Larry Dawson

ADDRESS Five Forks, W.Va.

SURFACE OWNER E. J. James Heirs

ADDRESS Glenville, W.Va.

MINERAL RIGHTS OWNER E. J. and J. B. James Heirs

ADDRESS Glenville and Normantown, W.Va.

OIL AND GAS INSPECTOR FOR THIS WORK _____

ADDRESS _____

PERMIT ISSUED _____

DRILLING COMMENCED 8-21-74

DRILLING COMPLETED 9-18-74

IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON _____

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8			
7			
5 1/2			
4 1/2			
3	1633	1633	95
2			
Liners used			

GEOLOGICAL TARGET FORMATION Injun Depth 1608 feet

Depth of completed well 1665 feet Rotary ___ / Cable Tools X

Water strata depth: Fresh ___ feet; Salt ___ feet

Coal seam depths: _____ Is coal being mined in the area? _____

OPEN FLOW DATA

Producing formation Injun Pay zone depth 1555-1603 feet

Gas: Initial open flow show Mcf/d Oil: Initial open flow ___ Bbl/d

Final open flow 750 Mcf/d Final open flow ___ Bbl/d

Time of open flow between initial and final tests 800 hours

Static rock pressure _____ psig (surface measurement) after 12 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 Oil: 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

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

Perforated: 1555' to 1603' with 19 holes

Water fractured: Using 800 bbls water and 44,000 #20/40 sand

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Conductor				15	
Gravel				15	
Red Rock			15	75	
Slate			75	140	
Red Rock			140	150	
Slate			150	200	
Sand			200	230	
Slate			230	270	
Lime			270	305	
Slate			305	315	
Lime			315	375	
Slate			375	465	
Sand - Hard			465	485	
Slate			485	600	
Sand			600	630	
Slate			630	665	
Sand			665	770	
Slate			770	915	
Sand			915	935	
Slate			935	1080	
Sand			1080	1170	
Slate			1170	1330	
Sand			1330	1365	
Slate			1365	1375	
Red Rock			1375	1385	
Slate			1385	1395	
Lime			1395	1425	
Slate			1425	1430	
Sand			1430	1448	
Slate			1448	1450	
Big Lime			1450	1510	
<u>Big Injun</u>			1510	1605	
Slate & Shells			1605	1665	
Show Gas At 1544'					
More Gas at 1572 to 1580 -			13/10 W in 2"		176.160 cu. ft.
More gas at 1595 to 1600 -			altogether 16/10 W in 2"		199.200 cu. ft.

(Attach separate sheets as necessary)

Murvin Oil Corporation
Well Operator

By: Gayle Hill
Date: October 12, 1982

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."



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
JUL 24 1974
OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division
OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE July 22, 1974
Company Murvin Oil Corporation
Address Olney, Illinois 62450
Farm E.J. James Heirs Acres 71
Location (waters) Steer Creek
Well No. One Elevation 746'
District Center County Gilmer
Quadrangle Glenville

Surface Owner _____
Address _____
Mineral Owner _____
Address _____
Coal Owner _____
Address _____
Coal Operator _____
Address _____

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 11-24-74.

Robert Bates
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Robert Bates
110 Catherine St. PH: 269-4846
Weston, WV.

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated _____ 19____ by _____ made to _____ and recorded on the _____ day of _____ 19____, in _____ County, Book _____ Page _____

_____ NEW WELL _____ DRILL DEEPER _____ REDRILL XXX FRACTURE OR STIMULATE
_____ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE RETURN COPIES OF ALL
GEOLOGICAL LOGS DIRECTLY TO:

West Virginia Geological and Economic Survey
P. O. Box 879
Morgantown, W. Va. 26505
AC 304-296-4461

Address
of
Well Operator

Very truly yours, **MURVINOIL CORPORATION**

(Sign Name) BY Elba J. Haught
Well Operator

P. O. Box 297,
Street

Olney
City or Town

Illinois
State

*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLANKET COPY

**THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION**

PROPOSED WORK ORDER TO _____ DRILL _____ DEEPEN **XX** FRACTURE-STIMULATE
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME **GLENN L. HAUGHT & SONS** NAME **ELDON J. HAUGHT**
 ADDRESS **Smithville, W.Va. 26178** ADDRESS **Smithville, W. Va. 26178**
 TELEPHONE **477-2222 - 5555** TELEPHONE **477-2222 - 5555**
 ESTIMATED DEPTH OF COMPLETED WELL: **1665** ROTARY _____ CABLE TOOLS **XX**
 PROPOSED GEOLOGICAL FORMATION: **Big Injun**
 TYPE OF WELL: OIL _____ GAS _____ COMB. **XX** STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8			
7			
5 1/2			
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS **None**
 IS COAL BEING MINED IN THE AREA? **None** BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Official Title