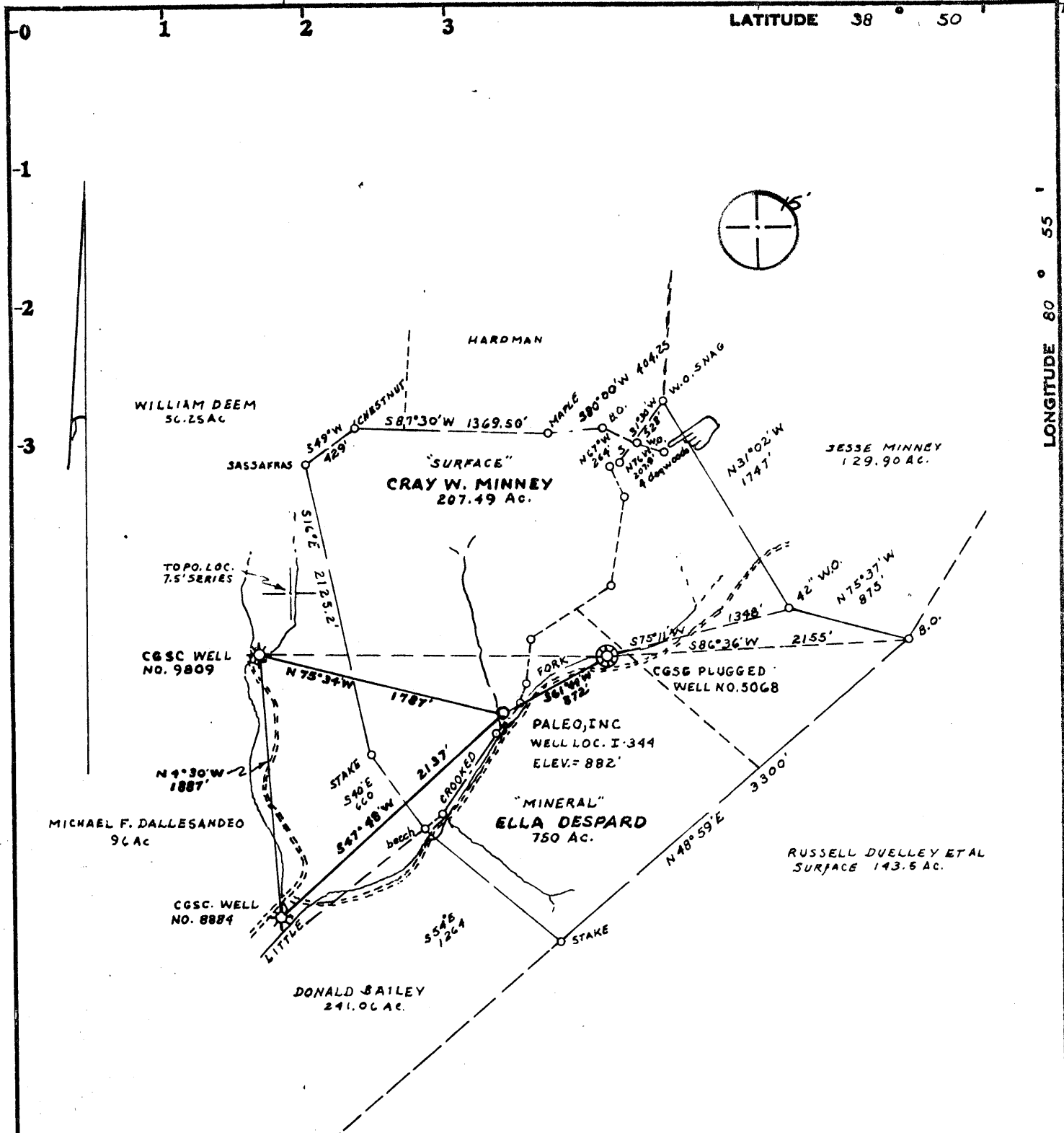


2/4/77

2.083 MI. W.



Minimum Error of Closure ONE PART IN 200

Source of Elevation ELEV OF PLUGGED WELL CGSC NO. 5068

ELEVATION = 936'

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.

Fracture.....
 New Location.....
 Drill Deeper.....
 Abandonment..... 8/12/77

Signed: Mark C. Echard
 Squares: N S E W

Map No.

Company PALEO, INC.
 Address SUITE 205 MAY-EX BLDG. N.W. EXPRESS WAY OKLAHOMA CITY, OKLA. 73112
 Farm ELLA DESPARD - CRAY MINNEY
 Tract _____ Acres 207.49 Lease No. _____
 Well (Farm) No. I-344 Serial No. _____
 Elevation (Spirit Level) 882' SW
 Quadrangle NORMANTOWN 7.5', Glanville 15'
 County GILMER District CENTER
 SURVEYOR MARK C. ECHARD
 SURVEYOR'S Registration No. 490
 File No. _____ Drawing No. _____
 Date JULY 31, 1977 Scale 1-INCH = 1000 FEET

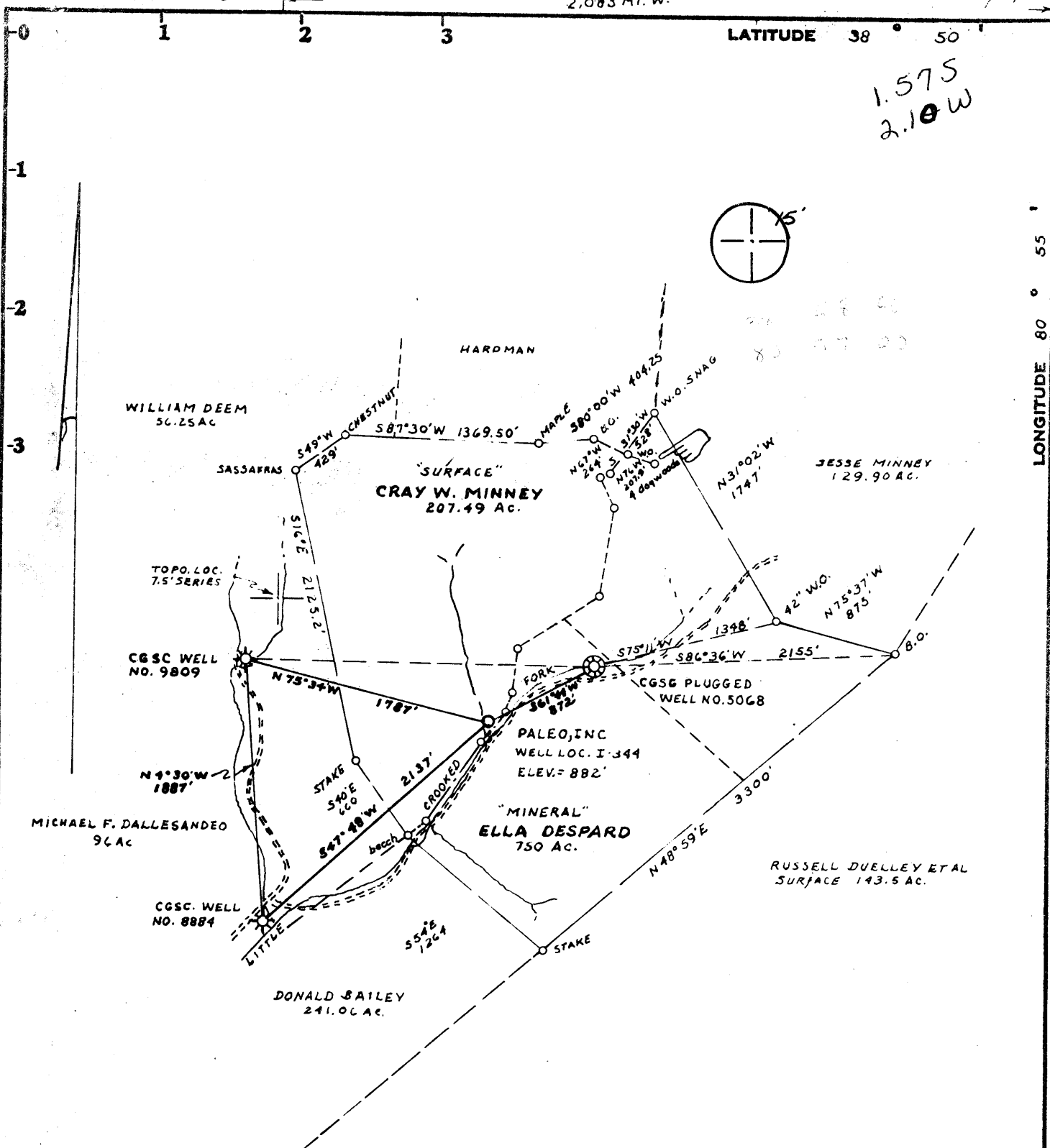
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. GIL-2892-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.

47-021 SEP 21 1977



Minimum Error of Closure ONE PART IN 200
 Source of Elevation ELEV OF PLUGGED WELL CGSC NO. 5068
ELEVATION = 936'

Fracture.....
 New Location.....
 Drill Deeper.....
 Abandonment.....

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.

Signed: Mark C. Echard
 Squares: N S E W

Company PALEO, INC.
 Address SUITE 205 MAY-EX BLDG. N.W. EXPRESS WAY OKLAHOMA CITY, OKLA. 73112
 Farm "MINERAL" "SURFACE" ELLA DESPARD - CRAY MINNEY
 Tract _____ Acres 207.49 Lease No. _____
 Well (Farm) No. I-344 Serial No. _____
 Elevation (Spirit Level) 882' SW
 Quadrangle NORMANTOWN 7.5', Glanville 15'
 County GILMER District CENTER
 Surveyor MARK C. ECHARD
 Surveyor's Registration No. 490
 File No. _____ Drawing No. _____
 Date JULY 31, 1977 Scale 1-INCH = 1000 FEET

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

WELL LOCATION MAP
 FILE NO. GIL-2892

+ 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. 47-021



RECEIVED

AUG 17 1977

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Normantown

Permit No. Gil-2892

Rotary X Oil _____
Cable _____ Gas _____
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ Dry Hole
(Kind)

Company Paleo, Inc.
Address Oklahoma City, Okla.
Farm Ella Despard Acres 92.5
Location (waters) Little Crooked Fork
Well No. 1-344 Elev. 888 KB
District Center County Gilmer
The surface of tract is owned in fee by _____
Cray Minney
Address Rt. 4, Box 418, Parkersburg, W. Va.
Mineral rights are owned by Ella Despard
Address Parkersburg, W. Va.
Drilling Commenced 8/9/77
Drilling Completed 8/11/77
Initial open flow _____ cu. ft. _____ bbls.
Final production _____ cu. ft. per day _____ bbls.
Well open _____ hrs. before test _____ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			to surface
Cond. 13-10"			
9 5/8			
8 5/8	212	212	
7			
5 1/2			
4 1/2			
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Coal was encountered at None Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Soil			0	5		
Sand			5	215		
Shale			215	340		
Sand			340	385		
Shale			385	440		
Shale, sandy			440	510		
Sand			510	614		
Shale			614	680		
Sand			680	710		
Shale			710	740		
Sand			740	840		
Shale			840	930		
Sand			930	972		
Shale, sandy			972	1260		
Sand			1260	1310		
Shale			1310	1500		show gas @ 1480
Shale			1500	1530		
Limestone			1530	1560		
Shale			1560	1576		
Limestone			1576	1748		
Shale <u>BIG INJUM</u>			1748	1777		
				1777		Total Depth

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

RECEIVED

AUG - 4 1977

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,

Charleston, W. Va.

Cray Minney

Surface Owner _____

Address Rt 4, Box 418, Parkersburg, W. Va.

Mineral Owner Ella Despard

Address Parkersburg, W. Va.

Coal Owner _____

Address _____

Coal Operator None

Address _____

DATE July 25, 1977

Company Paleo Inc

Address Oklahoma City, Oklahoma

Farm Ella Despard Acres 92.5

Location (waters) Little Crooked Fork

Well No. 1-344 Elevation 882

District Center County Gilmer

Quadrangle Normantown

drilling

INSPECTOR

TO BE NOTIFIED K. Paul Goodnight

12-4-77

ADDRESS Smithville, W. Va. 26178

PHONE 477-3660

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 August 2 1976 by Consolidated Gas Supply Corp made to Paleo and recorded on the _____ day of _____ 19____, in _____ County, Book _____ Page _____

NEW WELL _____ DRILL DEEPER _____ REDRILL _____ 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 SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: by

Very truly yours, Paleo Inc

(Sign Name) David Summers Well Operator

WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address of Well Operator

Suite 205, May Ex Building

Street 3022 N. W. Expressway

City or Town Oklahoma City, Oklahoma 73112

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 rectifying 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.

CURRENT FORM

GIL-2892
47-021

PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by _____

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

PROPOSED WORK ORDER TO DRILL DEEPEN FRACTURE STIMULATE
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME G. L. Haught and Sons NAME Robert R. Jones
 ADDRESS Smithville, W. Va. ADDRESS P.O. Box 86, Sand Fork, W. Va.
 TELEPHONE 477-3333 TELEPHONE 462-8366
 ESTIMATED DEPTH OF COMPLETED WELL: 1810 ROTARY CABLE TOOLS
 PROPOSED GEOLOGICAL FORMATION: Big Injun
 TYPE OF WELL: OIL GAS COMB 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.
30 - 16			
13 - 10			
9 - 5/8			
8 - 5/8	200 ft	200 ft	To Surface
7			
5 - 1/2			
4 - 1/2		1810	110 sks of Pozz
3			Perf. Top
2			Perf. Bottom
1 1/2			Perf. Top
1			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 95 FEET SALT WATER FEET
 APPROXIMATE COAL DEPTHS No coal
 IS COAL BEING MINED IN THE AREA? No 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