

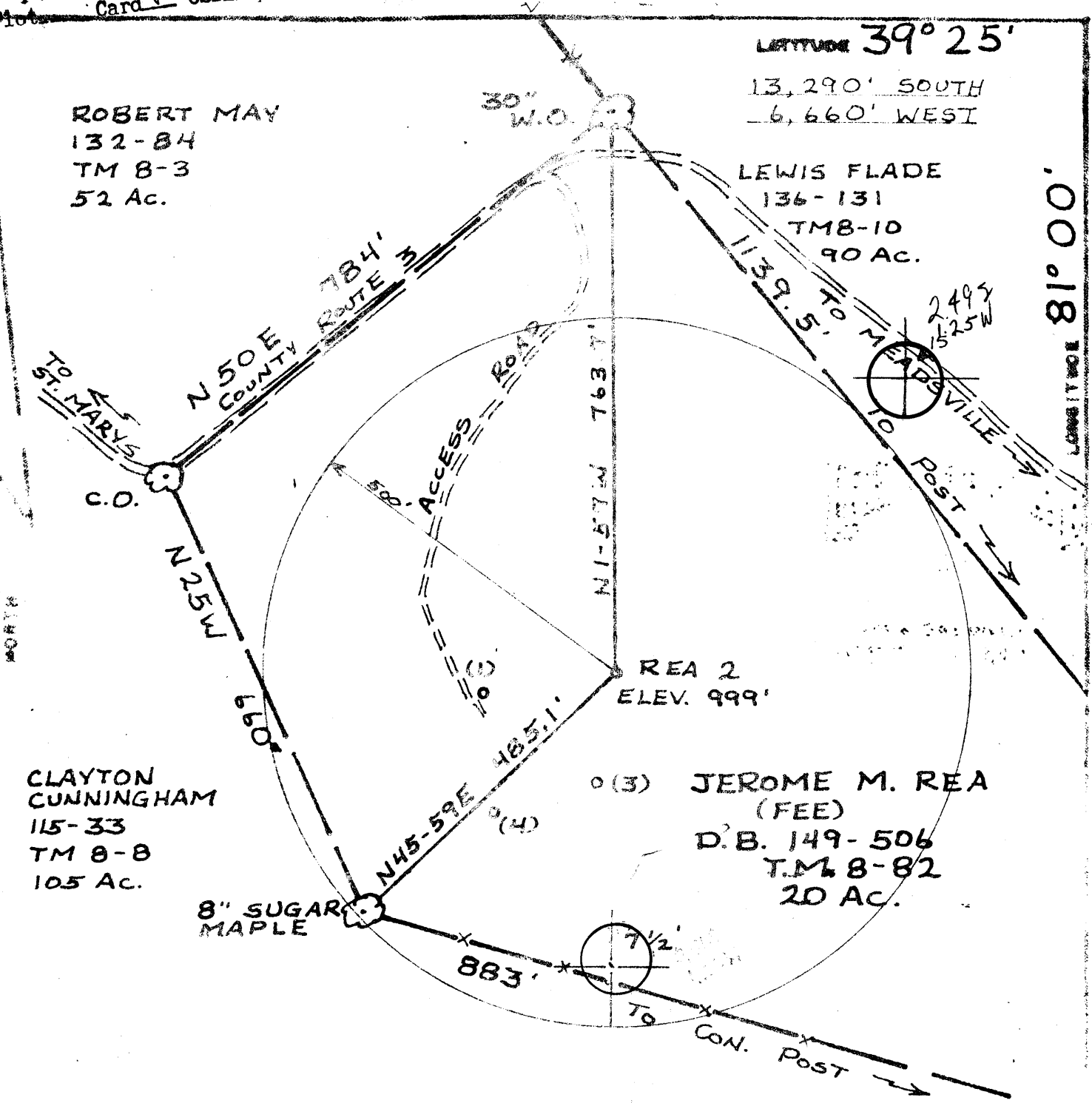
Latitude **39° 25'**

13,290' SOUTH
6,660' WEST

ROBERT MAY
132-84
TM 8-3
52 Ac.

LEWIS FLADE
136-131
TM 8-10
90 AC.

Longitude **81° 00'**



CLAYTON CUNNINGHAM
115-33
TM 8-8
105 Ac.

REA 2
ELEV. 999'

(3) JEROME M. REA
(FEE)
D.B. 149-506
T.M. 8-82
20 AC.

8" SUGAR MAPLE

FILE NO. _____
 DRAWING NO. _____
 SCALE **1" = 200'**
 MINIMUM DEGREE OF ACCURACY **1:500**
 PROVEN SOURCE OF ELEVATION **ROAD INT. 1022'**

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE IMPROVEMENTS REQUIRED BY LAW AND THE PERMITS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
 (SIGNED) *William M. ...*

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



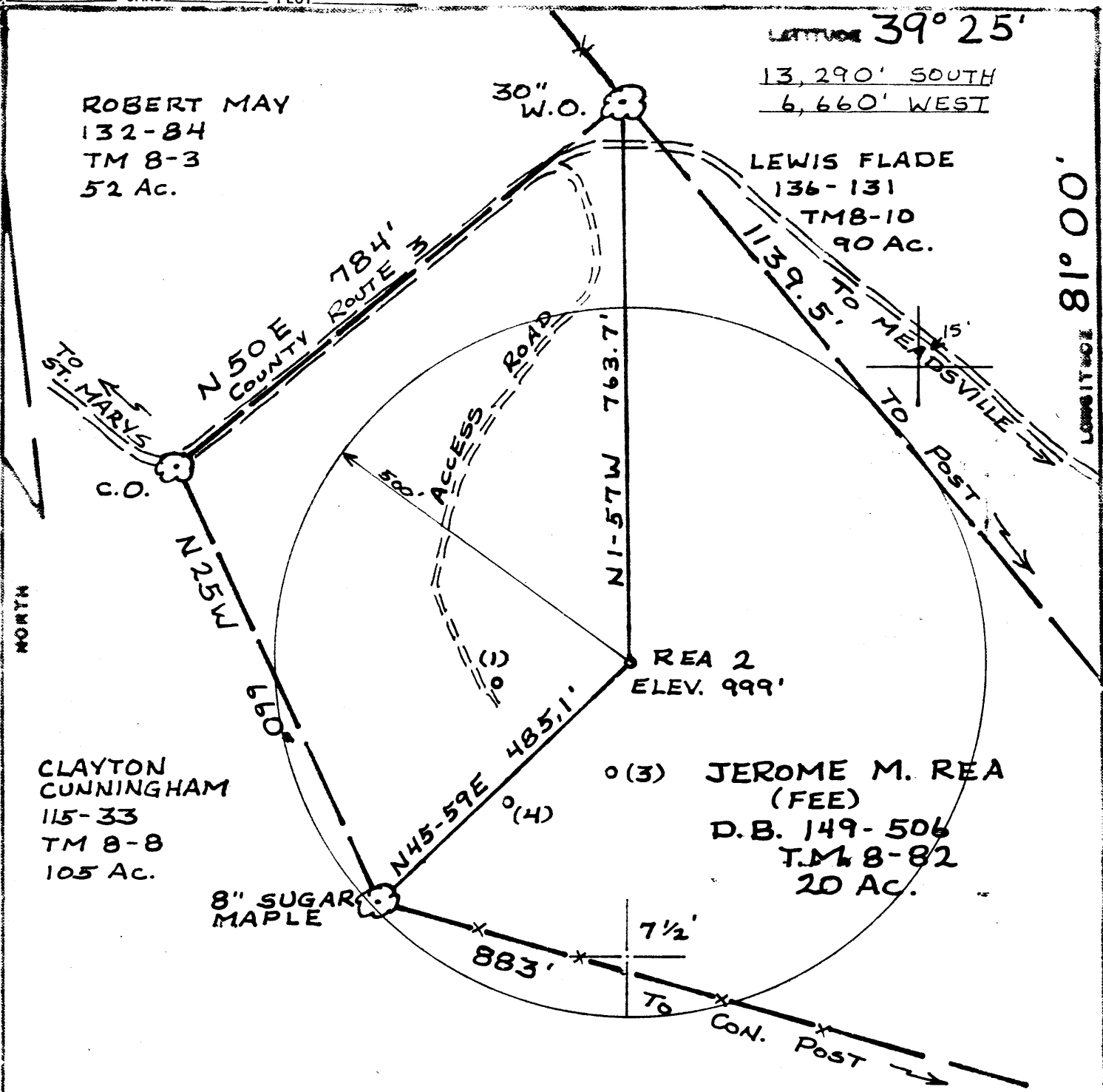
DATE **6 JUNE 1980**
 OPERATOR'S WELL NO. **2**
 API WELL NO. **47-073-0922**
 STATE COUNTY PERMIT

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 **999'** WATER SHED **ROCK RUN OF MCKIM CREEK**
 DISTRICT **LAFAYETTE** COUNTY **PLEASANTS**
 QUADRANGLE **BENG RUN, W. VA. 7 1/2' QUAD. ST. MARYS 15 EC**
 SURFACE OWNER **JEROME M. REA** ACRES **20**
 OIL & GAS ROYALTY OWNER **JEROME M. REA** LEASE ACRES **20**
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUS OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUS AND ABANDON _____ CLEAN OUT AND REPLUS _____
 TARGET FORMATION **COW RUN** ESTIMATED DEPTH **999' 1050'**
 WELL OPERATOR **ANDERSON PETRO.** DESIGNATED AGENT **ALLEN M. ANDERSON**
 ADDRESS **RT. 1 BOX 195 FLEMING, OH. 45729** ADDRESS **RT. 1 FLEMING, OH. 45729**

AUG 26 1980



Latitude $39^{\circ} 25'$
 13,290' SOUTH
 6,660' WEST

Longitude $81^{\circ} 00'$

ROBERT MAY
 132-84
 TM 8-3
 52 Ac.

LEWIS FLADE
 136-131
 TM 8-10
 90 Ac.

CLAYTON CUNNINGHAM
 115-33
 TM 8-8
 105 Ac.

REA 2
 ELEV. 999'
 (3) JEROME M. REA
 (FEE)
 D.B. 149-506
 T.M. 8-82
 20 Ac.

FILE NO. _____
 DRAWING NO. _____
 SCALE $1" = 200'$
 MINIMUM DEGREE OF ACCURACY $1:500$
 PROVEN SOURCE OF ELEVATION ROAD INT. 1022'

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) *William R. Mossad*
 R.P.E. _____ L.L.S. 551

PLACE SEAL HERE

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



DATE 6 JUNE, 1980
 OPERATOR'S WELL NO. 2
 API WELL NO. 47-073-0922
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

Cancelled

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS", PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 999' WATER SHED ROCK RUN OF MCKIM CREEK
 DISTRICT LAFAYETTE COUNTY PLEASANTS
 QUADRANGLE BENG RUN, W.VA. 7 1/2' QUAD. ST. MARYS 15'
 SURFACE OWNER JEROME M. REA ACREAGE 20
 OIL & GAS ROYALTY OWNER JEROME M. REA LEASE ACREAGE 20
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUS OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUS AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION COW RUN ESTIMATED DEPTH 999' 1050'
 WELL OPERATOR ANDERSON PETRO. DESIGNATED AGENT ALLEN M. ANDERSON
 ADDRESS RT. 1 Box 195 ADDRESS RT 1
FLEMING, OH. 45729 FLEMING, OH. 45729

BOB HOWTHER



WR-35

RECEIVED
MAY 21 1987

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

State of West Virginia
DEPARTMENT OF ENERGY
Oil and Gas Division

Date _____
Operator's Well No. # 2
Farm JERRY REA
API No. 47-073-0922

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

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

LOCATION: Elevation: 999 Watershed MCKIM CREEK
District: LAFAYTE County PLEASANTS Quadrangle Bens Run

COMPANY ALAN ANDERSON
ADDRESS Rt 1 Box 195 Fleming 045729
DESIGNATED AGENT HARRY L SIPHER JR
ADDRESS RH 3 ST MARYS WVA
SURFACE OWNER JERRY REA
ADDRESS _____
MINERAL RIGHTS OWNER JERRY REA
ADDRESS _____
OIL AND GAS INSPECTOR FOR THIS WORK Phil Tracy
ADDRESS Middlebourne wva
PERMIT ISSUED 8-7-80
DRILLING COMMENCED 9-5-80
DRILLING COMPLETED 10-5-80
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	248	248	70 SLS
7			
5 1/2	980	980	
4 1/2			
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION COW RUN SAND Depth 1045 feet
Depth of completed well 1045 feet Rotary ___ / Cable Tools
Water strata depth: Fresh 400 feet; Salt ___ feet
Coal seam depths: 0 Is coal being mined in the area? ___

OPEN FLOW DATA
Producing formation COW RUN SAND Pay zone depth 1005-1015 feet
Gas: Initial open flow 0 Mcf/d Oil: Initial open flow 1 1/2 Bbl/d
Final open flow 0 Mcf/d Final open flow 1 1/2 Bbl/d
Time of open flow between initial and final tests ___ hours
Static rock pressure ___ psig (surface measurement) after ___ 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

JUN 1 1987

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

well shot with 20 qts Nitroglyceren 1005-1015

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
		REDSHALE	0	25	
		GRAY SHALE	25	43	
		GRAY SANDSTONE	43	80	
		GRAY SHALE	80	85	
		REDSHALE	85	190	
		GRAY SHALE	190	205	
		REDSHALE	205	220	
		GRAY SHALE	220	250	
		REDSHALE	250	280	
		GRAY SHALE	280	315	
		REDSHALE	315	396	
		SANDSTONE	396	400	
		REDSHALE	400	420	FRESH WATER AT 400 FT
		SANDSTONE	420	443	
		GRAY SHALE	443	452	
		SANDSTONE	452	463	
		GRAY SHALE	463	485	

RECEIVED
MAY 21 1987

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

(Attach separate sheets as necessary)

allan anderson
Well Operator

By: Harry J. Sigler II

Date: 5-18-87

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."



RECEIVED

JUL 31 1980

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE July 29, 1980

Surface Owner Jermone M. Rea
Address Rt. #1, Belmont, W. Va. 26134
Mineral Owner Jermone M. Rea
Address Rt. #1, Belmont, W. Va. 26134
Coal Owner Jermone M. Rea
Address Rt. #1, Belmont, W. Va. 26134
Coal Operator none
Address _____

Company Allen M. Anderson
Address Rt. #1, Box 195, Fleming, Ohio
Farm Jermone M. Rea Acres 20 45729
Location (waters) Rock Run of Mokin Creek
Well No. Rea #2 Elevation 1026 ft.
District Lafayette County Pleasant
Quadrangle Ben's Run, W. Va.

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 4-7-81

Fred B. Smith
Deputy Director - Oil & Gas Division

INSPECTOR
TO BE NOTIFIED Phillip Lee Tracy
ADDRESS Middlebourne, W. Va. 26149
PHONE 758-4573

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 April 4 1979 by Jermone made to Allen M. Anderson and recorded on the 6th day of April 1979, in Pleasants County, Book 51 Page 541

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:

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

Very truly yours
(Sign Name) Allen M. Anderson
Well Operator

Address Rt. #1, Box 195
of Fleming, Ohio 45729
Well Operator Fleming, Ohio 45729
City or Town
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.

47-073-0922

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 Allen M. Anderson

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

PROPOSED WORK ORDER TO XX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Sigler & Sons Drillers NAME Leo Sigler
 ADDRESS Elmont, W. Va. ADDRESS Rt. #3, St. Mary's, W. Va.
 TELEPHONE 665-2359 TELEPHONE 1-304-665-2359
 ESTIMATED DEPTH OF COMPLETED WELL: 1050 ft. ROTARY _____ CABLE TOOLS XX
 PROPOSED GEOLOGICAL FORMATION: Sea Run Sand
 TYPE OF WELL: OIL _____ GAS _____ COMB. XX STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5.8			
8 - 5.8			
7		250 ft.	Cement to Surface
5 1/2	1000 ft.		100 sacks
4 1/2			
3			Perf. Top
2			Perf. Bottom
1 1/2			Perf. Top
1			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 150 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS _____
 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