



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

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. Mosser
 R.P.E. _____ L.L.S. 551

PLACE SEAL HERE

INDICATES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM 1008 (8-78)
 WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS", PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 1026 WATER SHEET ROCK RUN OF MC KIM CREEK
 DISTRICT LAFAYETTE COUNTY PLEASANTS
 QUADRANGLE BENS RUN, WVA. 7 1/2 QUAD. ST MARYS 15' EC
 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 _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SEE P.Y.) _____
 PLUG AND ABANDON _____ CLEAN OUT _____ REFLUG _____
 TARGET FORMATION GORDON ESTIMATED DEPTH 3500'
 WELL OPERATOR ANDERSON PETRO. OPERATED BY LEO SIGLER
 ADDRESS RT. 1 FLEMING, OH. 45729 ADDRESS RT 3 ST MARYS WY 26170

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 DATE 2 JULY 1979
 OPERATOR'S WELL NO. REA #1
 API WELL NO. 47-073-0829
 STATE COUNTY PERMIT



LONGIT. 81° 00'

39° 25'
 13270' S
 6840' W

2.525
 1.27 W

LEWIS FLADE
 116-151
 90 AC.
 TM 8-10

JEROME M. REA, FEE
 D.B. 149-506
 T.M. 8-8.2
 20 AC.

REA #1
 EL. 1026

CLAYTON CUNNINGHAM
 116-33
 TM 8-8
 105 AC.

8" SUGAR MAPLE

883' TO CON. POST

7 1/2'

30" W.D.

COUNTY ROUTE 3

1139.5'

MEADSVILLE

TO POST

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

ST. MARYS

C.O.

N 50 E 784'

N 2 SW 660'

ACCESS ROAD

N 12-50 E 818'

S 2 SW 339'

NORTH

LONGIT. 81° 00'



RECEIVED
MAY 21 1987

State of West Virginia
Department of Mines
Oil and Gas Division

Date _____
Operator's Well No. 1
Farm J. H. Rea
API No. 47-073-0829

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

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: 1026 Watershed Mckim Creek
District: LAFAYETTE County PLASANTS Quadrangle BENS RUN

COMPANY Allen Anderson
ADDRESS Rt 1 Box 195 Fleming O 45729
DESIGNATED AGENT HARRY K Sigler Jr
ADDRESS Rt 3 It manso in Va
SURFACE OWNER J. H. Rea
ADDRESS _____
MINERAL RIGHTS OWNER SAME
ADDRESS _____
OIL AND GAS INSPECTOR FOR THIS WORK _____
ADDRESS _____

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8	250	250	100SKS
8 5/8	1005	1005	
7			
5 1/2			
4 1/2			
3			
2			
Liners used			

PERMIT ISSUED _____
DRILLING COMMENCED 3-21-80
DRILLING COMPLETED 5-6-80
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON _____

GEOLOGICAL TARGET FORMATION COW RUN SAND Depth 1020-1045 feet
Depth of completed well 1045 feet Rotary / Cable Tools
Water strata depth: Fresh 40 feet; Salt _____ feet
Coal seam depths: NONE Is coal being mined in the area? NO

OPEN FLOW DATA

Producing formation _____ Pay zone depth _____ feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow 10 Bbl/d
Final open flow _____ Mcf/d Final open flow 10 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

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

shot with 80 qts Nitroglyceren at 1020-1045

RECEIVED
MAY 21 1987

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Yellow shale			0	60	water 40 Ft
SAND stone	yellow		60	90	
Gray shale			90	105	
Red Rock			105	120	water 110
Grey shale			120	125	
Red shale			125	175	
Grey shale			175	186	
Red shale			186	215	
Grey shale			215	235	
Red shale			235	255	
Grey shale			255	275	
Red shale			275	325	
Grey shale			325	345	
Red shale			345	371	
SAND stone			371	377	
Red shale			371	440	
Grey shale			440	493	
LIME			493	500	
Shale			500	744	
SAND			744	751	
Shale			751	795	
LIME			795	826	
Red Rock			826	911	
shale			911	920	
Red Rock			920	936	
SAND			936	950	
Shale			950	1001	
Red Rock			1001	1008	
Shale			1008	1015	
SAND stone			1015	1042	
Shale			1042	1048	
SAND	CDW RUN		1048	1070	

(Attach separate sheets as necessary)

Alton Anderson
Well Operator

By: Harry L. 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 mineral, encountered in the drilling of a well."



STATE OF WEST VIRGINIA

DEPARTMENT OF MINES & GAS DIVISION

Oil and Gas Division

DEPT. OF MINES AUG 21 1979

OIL AND GAS WELL PERMIT APPLICATION

DEPT. OF MINES

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

DATE August 17, 1979

Surface Owner Jerome M. Rea

Company Anderson Petroleum

Address Rt. #1 Belmont, W.Va. 26134

Address Rt. #1 Fleming, Ohio 45729

Mineral Owner Jerome M. Rea

Farm J. M. Rea Acres 20

Address Rt. #1 Belmont, W. Va.

Location (waters) Rock Run of Mckim Creek

Coal Owner Jerone M. Rea

Well No. Rea #1 Elevation 1026'

Address Rt. #1 Belmont, W. Va.

District Lafayette County Pleasants

Coal Operator None

Quadrangle Bens Run, W.VA.

Address

drilling

10-15-80

INSPECTOR

TO BE NOTIFIED Phillip Lee Tracy

ADDRESS Middlebourn, 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 J.M.

Rea made to Allen Anderson and recorded on the 6th day of April 1979, in Pleasants County, Book 151 Page 541

XX 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
of
Well Operator

Rt. # 1

Street

Fleming

City or Town

Ohio, 45729

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.

47-073-0829

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 And Sons Drillers NAME: Leo Sigler
 ADDRESS Belmont, W.VA. ADDRESS Rt. # 3, St. Mary's, W.Va. 26180
 TELEPHONE 665-2359 TELEPHONE 1-304-665-2359
 ESTIMATED DEPTH OF COMPLETED WELL: 3500 ROTARY _____ CABLE TOOLS XX
 PROPOSED GEOLOGICAL FORMATION: Gordon
 TYPE OF WELL: OIL _____ GAS _____ COMB. X 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 - 10 250'			
9 - 5/8		250'	Cement top-bottom
8 - 5/8 1000'	1000'		
7 1850'	1850'		
5 1/2		1850'	
4 1/2 3500'			
3		3500'	150 Sacks
2			Perf. Top
Liners			Perf. Bottom
			Perf. Top
			Perf. Bottom

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