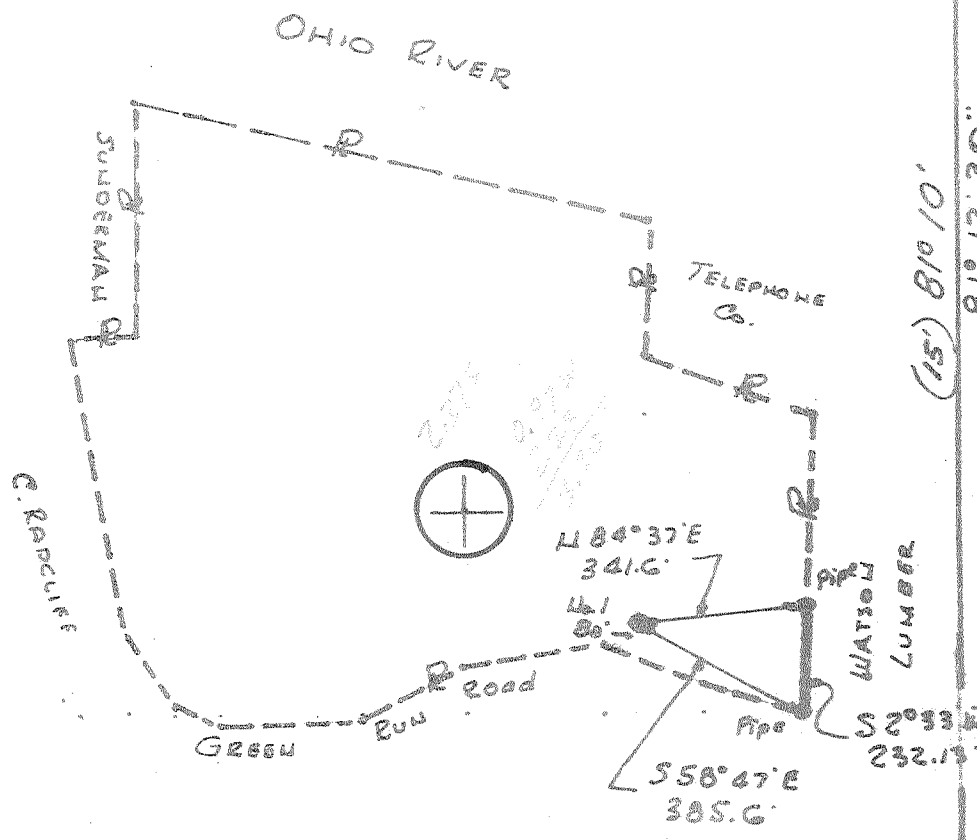


100-10-21-80

2.385
3.24W



392255
811335



(15') 81° 10' 30"

CHARACTER _____
 REDRILL _____
 NEW LOCATION
 DRILL BY PER _____
 A AND ORIENT _____

Source of Elevation USGS

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 sections of the Mining Laws of West Virginia.

ELEVATION (Spirit Lev.) 670

MINIMUM ACCURACY, One part in 200

DATE 10-3-80 SCALE 1" = 400'

COMPANY ALLEN ANDERSON
 ADDRESS ROUTE 1 Box 195 FLEMING OHIO
 FARM ROBERT BUCK
 TRACT _____ ACRES 31.49 TRACT NO. _____
 WELL (Farm) NO. 1 SERIAL NO. WC
 QUADRANGLE RAVEN ROCK & ST MARYS
 COUNTY PLEASANTS DISTRICT WASHINGTON
 SURVEYOR or ENGINEER Thomas D. Schultze
 SURVEYOR or ENGINEER REGISTRATION NO. 60466

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

WELL LOCATION MAP FILE NO. 073-1001

+ 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.

NOV 25 1980

ST MARKS SHALE ? DEPTH 3900' 71



RECEIVED
FEB 8 1981

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD 28

Quadrangle Raven Rock

Permit No. 47-073-1001

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

Company <u>Allen M. Anderson</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>Rt. #1, Box 195, Fleming, Ohio 45729</u>	Size			
Farm <u>Robert & Jane Buck</u> Acres <u>33</u>	20-16			
Location (waters) <u>Greens Run</u>	Cond.			
Well No. <u># 1</u> Elev. <u>670</u>	13-10"			
District <u>Washington</u> County <u>Pleasants</u>	9 5/8			
The surface of tract is owned in fee by <u>Robert & Jane Buck</u>	8 5/8	255'	255'	100 sacks
Address <u>P.O. Box 263, St. Mary's, W. Va. 26170</u>	7			
Mineral rights are owned by <u>Performance Pet.</u>	5 1/2			
Address <u>15 Exchange Place, Jersey City N.J.</u>	4 1/2		3850'	500 sacks
Drilling Commenced <u>11-11-80</u>	3			
Drilling Completed <u>11-18-80</u>	2			
Initial open flow <u>800 MCF</u> cu. ft. <u>-0-</u> bbls.	Liners Used			
Final production <u>80 MCF</u> cu. ft. per day <u>-0-</u> bbls.				
Well open <u>3</u> hrs. before test _____ RP.				

Well treatment details: Attach copy of cementing record.
800 MCF nitrogen pumped at rate of approximate
30 Bbl per minute
Broke down at 2300 lbs.
All Nitrogen frac
Acid ahead of frac.

Coal was encountered at -0- Feet -0- Inches
 Fresh water _____ Feet _____ Salt Water _____ Feet _____
 Producing Sand Shale Depth 3750'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Red Rock			0	25		
Sand & Gravel			25	58		
Slate & Shale			58	140		
Red Rock			140	150		
Slate & Shale			150	211		
Red Rock			211	245		
Slate & Shale			245	395		
Gray & red Shale Sand			395	660		
Gray & red shale with broken sand			660	680		
Slate & Broken sand			680	1760		
coffee shale		Sand	1760	1860	1760	1820
Berea Grit sand shale			1860	1870		
Shale			1870	2100		
30 ft. zone			2100	2122		
Shale			2122	2250		

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet ²⁵	Bottom Feet	Oil, Gas or Water	* Remarks
Gordon			2250	2300		
Shale			2300	3724		
Producing zone			3724	3750	Gas	
Shale	DEV SH		3750	3850 TD		

Date _____, 19____

APPROVED _____, Owner



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

OCT 21 1980

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE Oct 21 1980

Surface Owner Robert Buck
Address St. Marys, W Va
Mineral Owner Robert Buck
Address St. Marys, W Va
Coal Owner Robert Buck
Address _____
Coal Operator Robert Buck
Address _____

Company _____
Address W. Va. 26019
Farm Robert Buck Acres 31.49
Location (waters) _____
Well No. Buck #1 Elevation 670
District Stark County Lincoln
Quadrangle Robert Buck

drilling

6-22-81

Handwritten signature: Fred B...

INSPECTOR
TO BE NOTIFIED Philip Lee Long
ADDRESS Medford, W Va 26049
PHONE 304-751-4573

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 May 1 1966 by Robert J. E. Jane Buck made to Allen M Anderson and recorded on the 21st day of May 1970, in Pleasant County, Book 156 Page 52

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

Address
of
Well Operator

Very truly yours,
(Sign Name) Allen M Anderson
Well Operator
W. Va. 26019
Street
St. Marys
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.

47-073-1001 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 _____ NAME Lee Sigler
 ADDRESS _____ ADDRESS Rt #1 Mt. Pleasant, W. Va 26180
 TELEPHONE _____ TELEPHONE 1-304-665-2359
 ESTIMATED DEPTH OF COMPLETED WELL: _____ ROTARY XX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Shale
 TYPE OF WELL: OIL X GAS X COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WELL	CEMENT LIFT UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10 <u>250'</u>		<u>250'</u>	<u>Cement Top-bottom</u>
9 - 5/8			
8 - 5/8 <u>1000'</u>	<u>1000'</u>		
7 <u>1850'</u>	<u>1850'</u>	<u>1850'</u>	
5 1/2			
4 1/2 <u>3900'</u>		<u>3900'</u>	<u>150 sacks</u>
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 150 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS _____
 IS COAL BEING MINED IN THE AREA? _____ 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