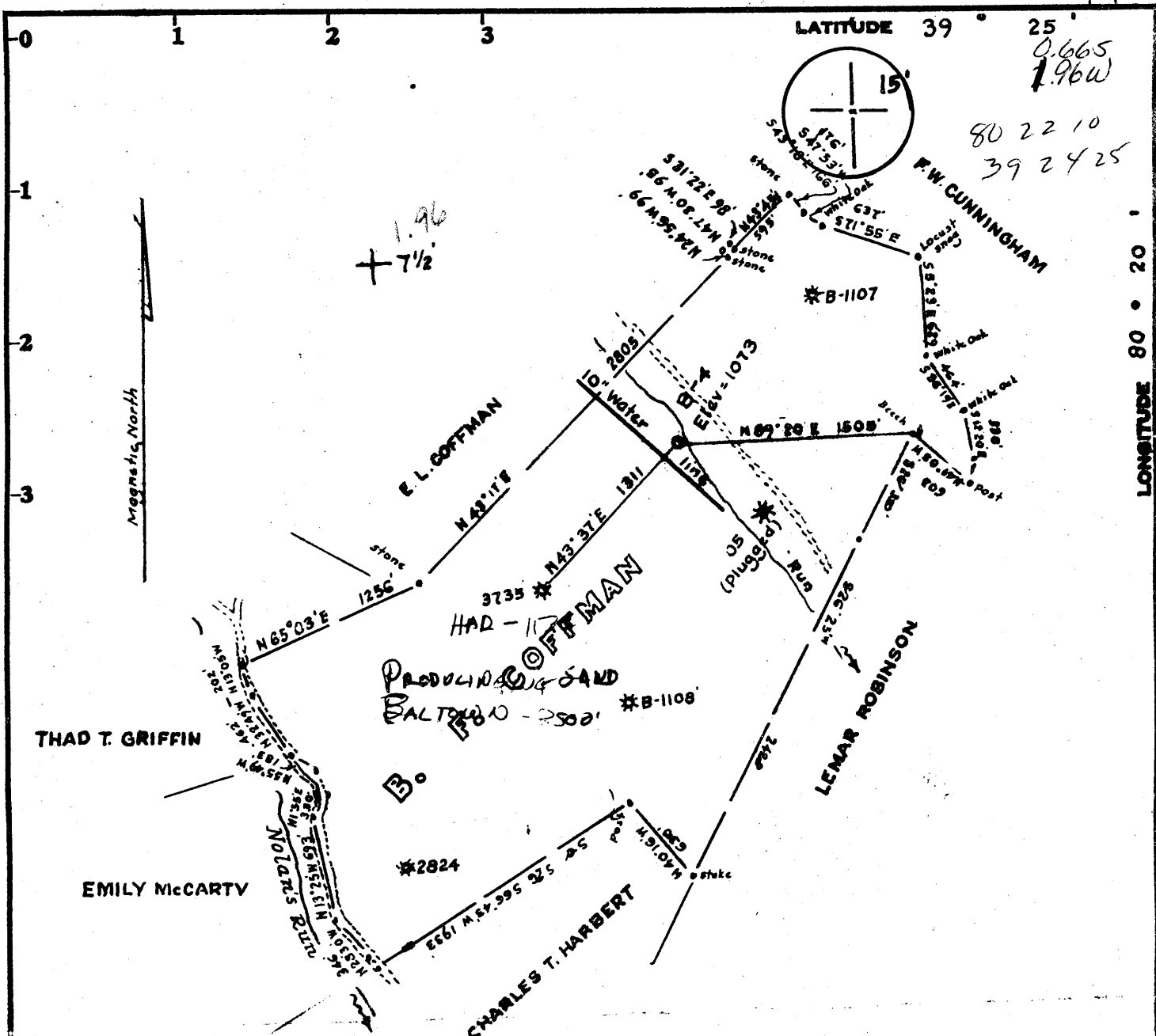


7/3/79



LEGEND

- Lines plotted from deed calls
- Surveyed Lines
- Roads
- * Active Wells
- o Well Location

OWNERSHIP

Coal and Surface owned by
The Consolidation Coal Co. whose
postoffice address is Morgantown,
W. Va.

Minimum Error of Closure 1 in 2500'

Source of Elevation Elev. Well No. B-1108 = 1247

- 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: W. Street
Squares: N S E W

Map No.

Company GEORGE JACKSON
 Address P.O. Box 1698, Clarksburg, W. Va.
 Farm B.E. Coffman CONSOLIDATION COAL CO
 Tract _____ Acres 268 Lease No. _____
 Well (Farm) No. B-4 Serial No. _____
 Elevation (Spirit Level) 1073
 Quadrangle Shinnston 7 1/2, CLARKSBURG
 County Harrison District Eagle
 Engineer W. Street
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date June 25, 1979 Scale 1" = 1000'

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

WELL LOCATION MAP
FILE NO. 47-033-2156

+ Denotes location of well on United States Topographic Maps, scale 1 to ^{24,000}/_{62,500}, latitude and longitude lines being represented by border lines as shown.

AUG 7 1979

— Denotes one inch spaces on border line of original tracing.

[08-78]

WELL OPERATOR'S REPORT

OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

API Well No. 033-215
State County Perm

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

LOCATION: Elevation: 1073 Watershed: Robinson Run
District: Eagle County: Harrison Quadrangle: Shinnston 7 1/2

WELL OPERATOR George Jackson DESIGNATED AGENT _____
Address P.O. Box 1698 Address _____
Clarksburg, W.Va.

PERMITTED WORK: Drill X / Convert ___ / Drill deeper ___ / Re-drill ___ / Fracture or stimulate ___
Plug off old formation ___ / Perforate new formation ___
Other physical change in well (specify) _____

PERMIT ISSUED ON July 2, 19 79 OIL & GAS INSPECTOR FOR THIS WORK:
(IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED) Name Paul Garrett
Address 321 Beech Street
Clarksburg, W.Va. 26301

GEOLOGICAL TARGET FORMATION: Balltown Depth 3365 feet
Depth of completed well, 3384 feet Rotary X / Cable Tools ___
Water strata depth: Fresh, 35 feet; salt, ___ feet.
Coal seam depths: 775-778 Is coal being mined in the area? ___
Work was commenced October 1, 19 79, and completed October 11, 19 79

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor	13 3/8			X		22'	22'	Winds
Fresh water	8 5/8		20#	X		967'	967'	190 sks
Coal								Sizes
Intermediate								Depths set
Production								Perforations:
Tubing	4 1/2		10.5#X			3384'	3384'	90 sks
Liners								3262-3285

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OPEN FLOW DATA
Producing formation Balltown OIL & GAS DIVISION DEPT. OF MINES
Gas: Initial open flow, show Mcf/d Oil: Initial open flow, X Mcf/d
Final open flow, 1.061 Mcf/d Final open flow, X Mcf/d
Time of open flow between initial and final tests, 264 hours
Static rock pressure, 1410 psig (surface measurement) after 36 hours shut in
(If applicable due to multiple completion--)] P.J. Card perf @ 3262-85
Second producing formation none Pay zone depth _____
Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Mcf/d
Final open flow, _____ Mcf/d Final open flow, _____ Mcf/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.

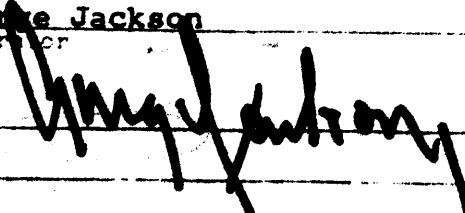
Fractured well with 1,000 bbl of water, 500 gallon of 15% acid, 600 cwt of sand

WELL LOG

FORMATION	Color	Hard or Soft	Feet		Remarks
			Top	Bottom	Including indication of all fresh and salt water, coal, oil and gas
Sand			1	200	water 35'
Red Rock			200	225	
Sand			225	235	
Red Rock			235	248	
Sand			248	270	
Shale			270	300	
Sand			300	315	
Shale			315	420	
Sand			420	775	
Coal			775	778	
Sand			778	820	
Shale			820	840	
Sand			840	860	
Shale			860	920	
Sand			920	950	
Shale			950	1010	
Sand			1010	1053	
Shale			1053	1080	
Red Rock			1080	1100	
Shale			1100	1335	
Lime			1335	1475	
Red Rock			1478	1485	
Shale			1485	1620	
Sand			1620	1630	
Shale			1630	3275	
Sand BALL			3275	3305	
Shale			3305	3410	TD

(Attach separate sheets to complete as necessary.)

George Jackson
Well Operator

By 

Its _____

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."



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BLANKET BOND
#420324

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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 June 29, 1979

Surface Owner Mountaineer Coal Company
Address Monongah, West Virginia 26554
Mineral Owner Mrs. Jessie C. Hardesty
Address Rt. #1, Shinnston, W. Va.
Coal Owner Mountaineer Coal Company
Address Monongah, West Virginia
Coal Operator Mountaineer Coal Company
Address Monongah, West Virginia

Company George Jackson
Address P.O. Box 1698, Clarksburg, W. Va.
Farm B.F. Coffman Acres 268
Location (waters) Nolan's Run
Well No. B-4 Elevation 1073 Ft.
District Eagle County Harrison
Quadrangle Shinnston 7 1/2

THIS PERMIT MUST BE POSTED AT THE WELL SITE

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 3-18-80

INSPECTOR
TO BE NOTIFIED _____

ADDRESS _____

PHONE _____

Robert T. [Signature]
Deputy Director - Oil & Gas Division

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 December 2, 1899x by B.F. Coffman made to South Penn Oil Co. and recorded on the _____ day of _____ 19____, in Harrison County, Book 116 Page 122 Said lease by proper assignment vested to George Jackson
 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 Same 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) George Jackson
P.O. Box 1698
Street
Clarksburg
City or Town
West Virginia 26301
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 BOND

47-033-2156

PERMIT NUMBER

