

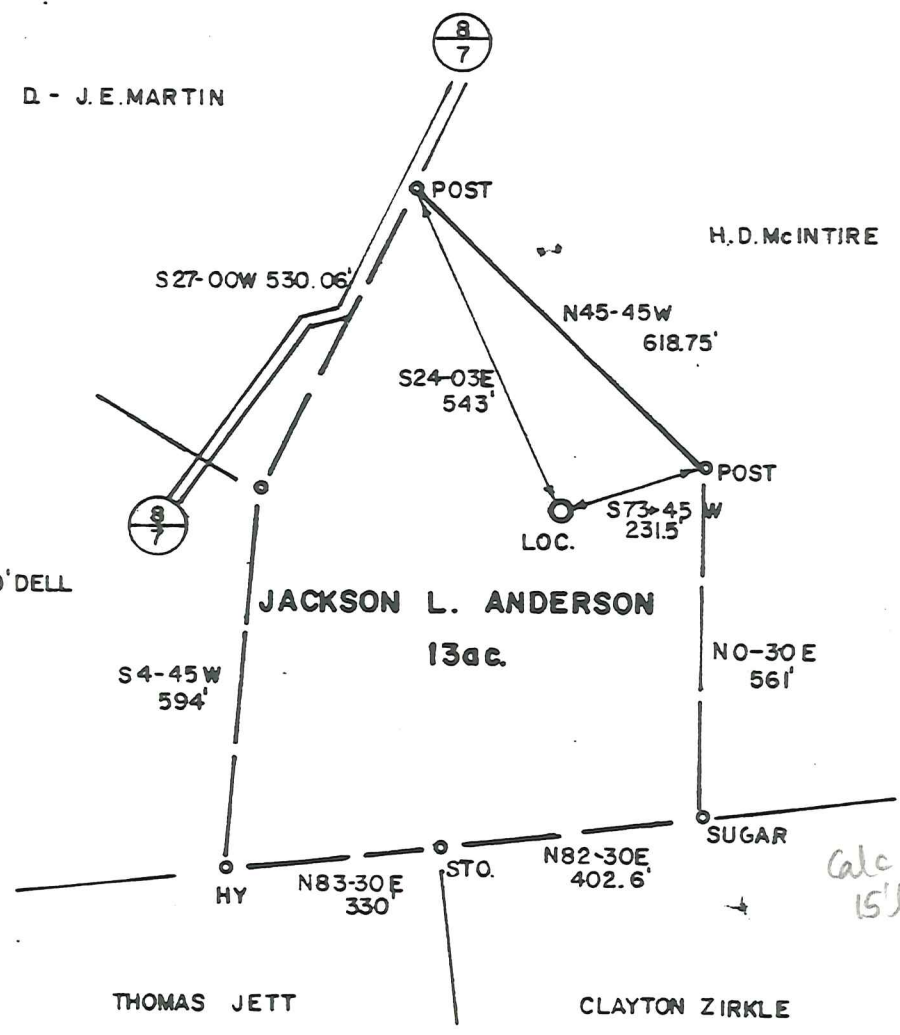
eli 7/23 Plot Card V CSD

900'

LATITUDE 39° 27' 30"
39° 30'

LONGITUDE 80° 20'

NORTH



1,535
0,190
4.415
0,190
4.425
0,200
Calc 15' loc.
39 26 10
80 20 10

REVISED LOC.

FILE NO. 235/8
DRAWING NO.
SCALE 1" = 300'
MINIMUM DEGREE OF ACCURACY 1 in 200
PROVEN SOURCE OF ELEVATION BM WYATT 971'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
(SIGNED) *R. S. Williams*
R.P.E. L.L.S. 105



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



DATE REV. JULY 18, 1981
OPERATOR'S WELL NO.
API WELL NO.
47 - 033 - 2650 - Rev.
STATE COUNTY PERMIT

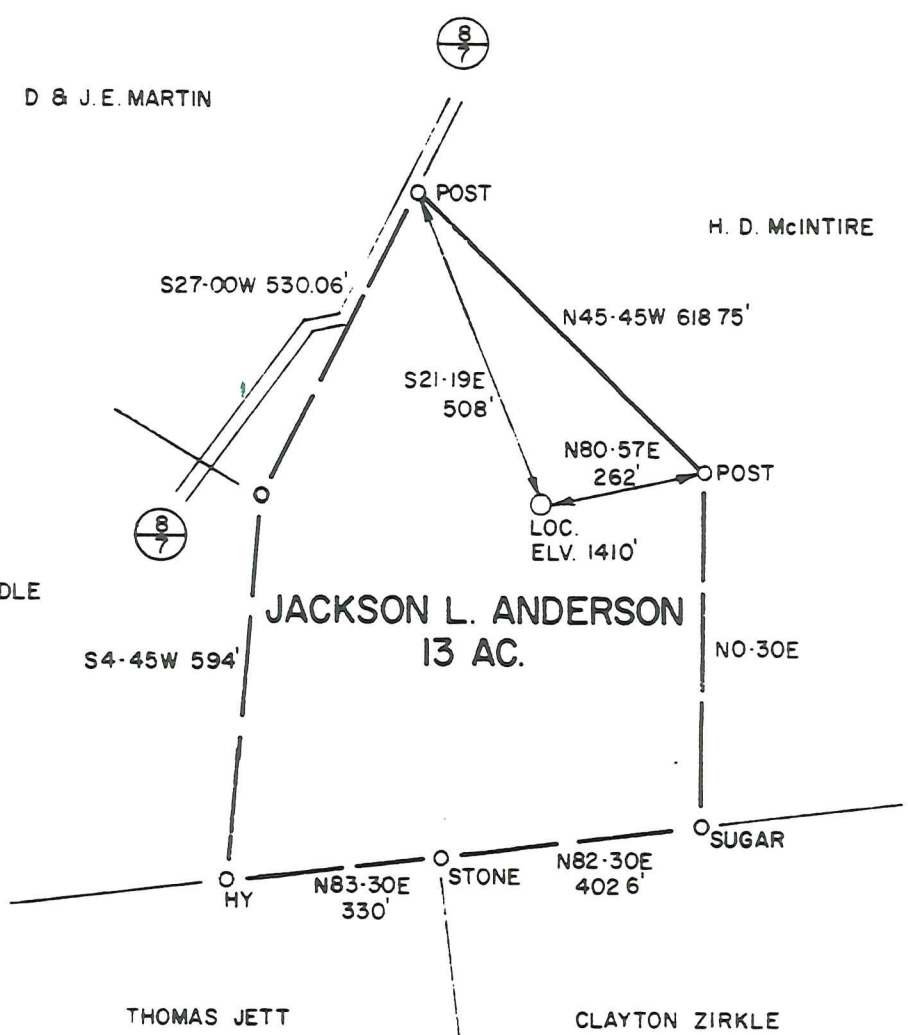
STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
LOCATION: ELEVATION 1410' WATER SHED BINGAMON CREEK
DISTRICT CLAY COUNTY HARRISON
QUADRANGLE SHINNSTON/CLARKSBURG NE
SURFACE OWNER JACKSON L. ANDERSON ACREAGE 13
OIL & GAS ROYALTY OWNER SAME LEASE ACREAGE
LEASE NO.
PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) ___
PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION BALLTOWN ESTIMATED DEPTH 3500'
WELL OPERATOR GEORGE JACKSON DESIGNATED AGENT SAME
ADDRESS BOX 1698 ADDRESS
CLARKSBURG, WV 26302

JUL 31 1981

6-6 Brown - Lumberport (104)

NORTH



FILE NO. 235/B
 DRAWING NO. _____
 SCALE 1" = 300'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION BM IN WYATT 971'

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) _____
 R.P.E. _____ L.L.S. 105

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (878)



DATE JUNE 27, 19 81
 OPERATOR'S WELL NO. one
 API WELL NO. _____
47 - 033 - 2650
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1410' WATER SHED BINGAMON CREEK
 DISTRICT CLAY COUNTY HARRISON
 QUADRANGLE SHINNSTON / CLARKSBURG N. 13-4 31-2
 SURFACE OWNER JACKSON L. ANDERSON ACREAGE 13
 OIL & GAS ROYALTY OWNER JACKSON L. ANDERSON LEASE ACREAGE 13
 LEASE NO. _____
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION BALLTOWN ESTIMATED DEPTH 3500'
 WELL OPERATOR GEORGE JACKSON DESIGNATED AGENT GEORGE JACKSON
 ADDRESS BOX 1698 ADDRESS BOX 1698
CLARKSBURG, WV 26301 CLARKSBURG, WV 26301

JUL 27 1981



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD

Quadrangle Shinnston - Clarksburg N.E.

Permit No. 47-033-2650

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

Company George Jackson
Address P.O. Box 1698, Clarksburg, WV
Farm Jackson L. Anderson Acres 13
Location (waters) Bingamon Creek
Well No. 1 Elev. 1410
District Clay County Harrison
The surface of tract is owned in fee by _____
Jackson L. Anderson
Address 894 E. Ave., Shinnston, WV
Mineral rights are owned by same as above
Address _____
Drilling Commenced September 4, 1981
Drilling Completed September 16, 1981
Initial open flow 94,000 cu. ft. _____ bbls.
Final production 416,000 cu. ft. per day _____ bbls.
Well open 4 hrs. before test 1320# RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			No Cement
Cond. 13-10"			
9 5/8	20'	15'	260 sks. Dowell
8 5/8	910'	910'	
7			500 sks. Dowell
5 1/2			
4 1/2	3893	3893	
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Well fractured by Dowell with 1,000 bbls. of water.

416 MCF

Coal was encountered at 65'; 68'; 355'; 437' Feet 12; 24; 36; 84 Inches
Fresh water _____ Feet _____ Salt Water 1/2" @ 1435 Feet _____
Producing Sand Balltown; Injun Depth _____
3748-68 | 1910-22 ← P.L. sand pay

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Topsoil	Clay	Soft	0	10		
Sand	White	Hard	10	65		
Coal	Black	Soft	65	66		
Sand	White	Hard	66	68		
Coal	Black	Soft	68	70		
Sand	White	Hard	70	132		
Red rock	Red	Soft	132	136		
Sand & Shale	Gray	Med.	136	355		
Coal	Black	Soft	355	358		
Sand & Shale	Gray	Med.	358	437		
Coal	Black	Soft	437	444		
Shales	Red & Black	Soft	444	653		
Shale	Gray	Med.	653	950		
Sand & Shale	White/					
	Green	Hard	950	1435		
Sand	White	Hard	1435	1587		
Shales	Red	Med.	1587	1779		
Sand	White	Hard	1779	1890		
Sand	Gray/					
	White	Hard	1890	1950		
Sand & Shale	Gray	Med.	1950	2500		
Shale	Red	Med.	2500	2610		

RECEIVED

OCT 5 - 1981

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

1/2" H²O @ 1435 feet

Injun pay 1910 - 1922
ch. gas 2/10 O.F.
w/2" water

* Indicates Electric Log tops in the remarks section.

(over)

OCT 22 1981

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Sand	Dark	Hard	2610	2646		
Shale	Red	Soft	2646	2700		
Sand & Shale	Gray	Med.	2700	2900		
Shales	Gray-					
	White	Med.	2900	3110		
Sand & Shale	Gray	Med.	3110	3215		
Shale	Gray	Med.	3215	3720		
Sand	Gray	Hard	3720	3770		
Shales	Gray	Soft	3770	3955		Balltown pay 3748 - 3768
Sand	Dark	Hard	3955	3970		
Shale	Gray	Soft	3970	4040		
				T.D. 4040		Check gas 94,000 MCF 6/10 2" water

Date

Oct 21 / 1921

APPROVED

By

[Handwritten Signature]

(Printed)

Blanket Bond
#420324



Well No. One
Farm Jackson L. Anderson
API # 47-033-2650
Date June 29, 1981

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil ___ / Gas X /

(If "Gas", Production X / Underground storage ___ / Deep ___ / Shallow X /

LOCATION: Elevation: 1410' Watershed: Bingamon
District: Clay County: Harrison Quadrangle: Shinnston-Clks. NE
13-431-2

WELL OPERATOR George Jackson
Address P.O. Box 1698
Clarksburg, WV 26301

DESIGNATED AGENT George Jackson
Address P.O. Box 1698
Clarksburg, WV 26301

OIL AND GAS ROYALTY OWNER Jackson L. Anderson
Address 894 East Ave.
Shinnston, WV 26431
Acreage 13 acres

COAL OPERATOR None
Address _____

SURFACE OWNER Jackson L. Anderson
Address 894 East Ave.
Shinnston, WV 26431
Acreage 13 acres

COAL OWNER(S) WITH DECLARATION ON RECORD:
NAME Consolidated Coal Company
Address P.O. Box 1314
Morgantown, WV 26505

FIELD SALE (IF MADE) TO:
NAME Consolidated Gas Supply Corp.
Address P.O. Box 2450
Clarksburg, WV 26301

NAME _____
Address _____

OIL AND GAS INSPECTOR TO BE NOTIFIED:
NAME Stephen Casey
Address Rt. 2 - Box 232-D
Jane Lew, WV 26378
Telephone 884-7470

COAL LESSEE WITH DECLARATION ON RECORD:
NAME _____
Address _____

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed ___ / lease X / other contract ___ / dated June 29 19 81, to the undersigned well operator from Jackson L. Anderson.

(If said deed, lease, or other contract has been recorded:)

Recorded on June 29, 19 81, in the office of the Clerk of County Commission of Harrison County, West Virginia, in 1104 Book at page 924. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill Deeper ___ / Redrill ___ / Fracture or stimulate ___ / Plug off old formation ___ / Perforate new formation ___ / Other physical change in well (specify) _____

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after receipt of this Application by the Dept. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

JUL 1 1981

Well Operator

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
613 WASHINGTON ST., E.
CHARLESTON, WV 25311
Telephone - 304/348-3092

OIL & GAS DIVISION George Jackson
DEPT. OF MINES
Its: Operator

BLANKET BOND

(Revised 3-81)

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Development Drilling Corporation

Address P.O. Box 38
Bridgeport, WV 26330

GEOLOGICAL TARGET FORMATION Balltown, 3,600'
Estimated depth of completed well 3,600' feet. Rotary X / Cable tools /
Approximate water strata depths: Fresh, 50' feet; salt, 1200' feet.
Approximate coal seam depths:
Is coal being mined in this area: Yes / No X / **Coal mined out under this property.**

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL- UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft	New	Used	For Drilling	Left in Well		
Conductor	11 3/4				X	20'			Kinds
Fresh water									
Coal									Sizes
Intermed.	8 5/8				X	800'			Perforations: Top Bottom
Production	4 1/4				X	3,600'	800'		
Tubing									
Liners									

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form IV-9, "Reclamation Plan" applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

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 3-16-82.

Fred R. Rudolph
Deputy Director - Oil & Gas Division

Survey

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided the well operator has complied with all applicable requirements of the West Virginia Code and the governing regularions.

Date: , 19 .

By:

Its: