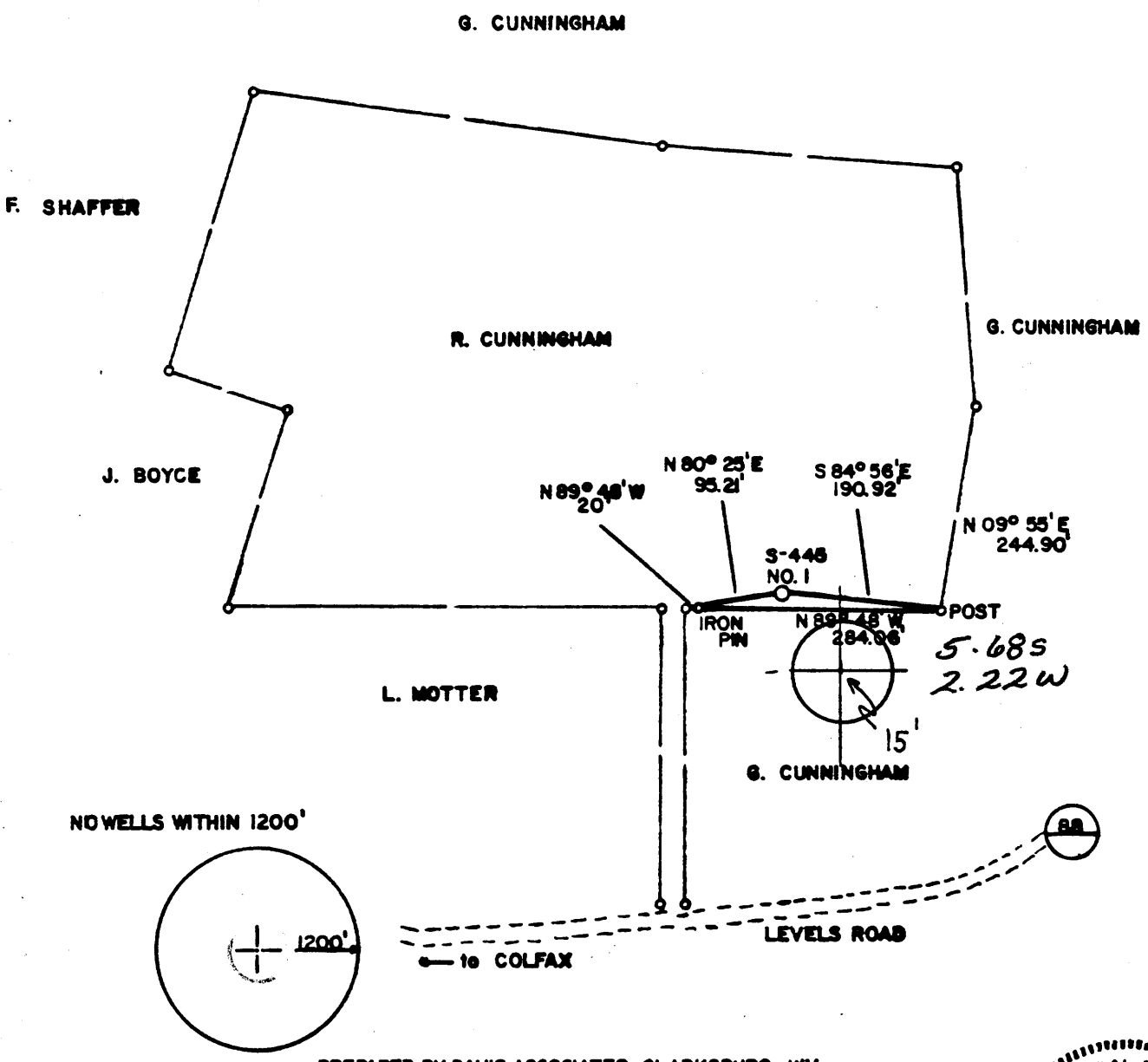


Plot Card CSD 11,350'

LATITUDE 39° 27' 30" 30

LONGITUDE 80° 05' 00"

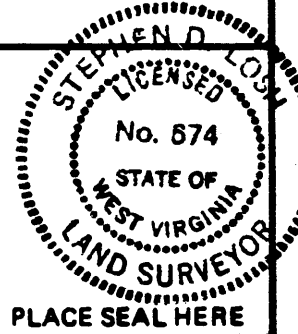
NORTH



PREPARED BY DAVIS ASSOCIATES, CLARKSBURG, WV

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 200'
 MINIMUM DEGREE OF ACCURACY 1 in 2500
 PROVEN SOURCE OF ELEVATION EX. WELL 731
 ELEV. 1260'

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) *Stephen D. Losh*
 R.P.E. _____ L.I.S. 674



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE SEPTEMBER 23, 19 82
 OPERATOR'S WELL NO. S-448
 API WELL NO. 47-049-0739
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1113' WATER SHED GOOSE CREEK OF TYGART VALLEY RIVER
 DISTRICT UNION COUNTY MARION
 QUADRANGLE FAIRMONT EAST - 7.5 min. of 15' NC
 SURFACE OWNER ROGER CUNNINGHAM ACREAGE 8.0
 OIL & GAS ROYALTY OWNER ROGER CUNNINGHAM LEASE ACREAGE 8.0
 LEASE NO. 1368
 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 4th & 5th SANDS ESTIMATED DEPTH 2300'
 WELL OPERATOR JAMES F. SCOTT DESIGNATED AGENT DARREL WRIGHT
 DEC 20 1982
 G-6 unnamed -0-



IV-35
(Rev 8-81)

Date January 28, 1983
Operator's
Well No. S-445
Farm Roger Cunningham
API No. 47 - 049 - 0739

State of West Virginia
Department of Mines
Oil and Gas Division

RECEIVED

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE FEB 1 - 1983

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

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

LOCATION: Elevation: 1113 Watershed Goose Creek of Tygart Valley River
District: Union County Marion Quadrangle Fairmont East 7.5

COMPANY James F. Scott
ADDRESS P. O. Box 112, Salem, WV 26426
DESIGNATED AGENT Darrel Wright
ADDRESS P. O. Box 112, Salem, WV 26426
SURFACE OWNER Roger Cunningham
ADDRESS Route 4, Fairmont, WV 26554
MINERAL RIGHTS OWNER Roger Cunningham
ADDRESS Route 4, Fairmont, WV 26554
OIL AND GAS INSPECTOR FOR THIS WORK William Blosser ADDRESS Route 4, Fairmont, WV
PERMIT ISSUED December 13, 1982
DRILLING COMMENCED 12/26/82
DRILLING COMPLETED 1/4/83

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.	30		
13-10"			
9 5/8			
8 5/8		714	to surface
7			
5 1/2			
4 1/2		1993	125 sks
3			
2			
Liners used			

IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON _____

GEOLOGICAL TARGET FORMATION Speechley Depth 2605 feet
Depth of completed well 2683 feet Rotary x / Cable Tools _____
Water strata depth: Fresh 25 feet; Salt _____ feet
Coal seam depths: 210-215 Is coal being mined in the area? x

OPEN FLOW DATA
Producing formation 4th Sand Pay zone depth (882-1887) feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 2,000 Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 790 psig (surface measurement) after 17 ^{days} 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

FEB 14 1983

(Continue on reverse side)



1) Date: December 6, 1982
 2) Operator's Well No. S-445 Roger Cunningham
 3) API Well No. 47 State WV County OTW Permit

DRILLING CONTRACTOR:

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

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil / Gas X /
 B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 1111 Watershed: Loose Creek of Tygart Valley River
 District: Union County: Wayne Quadrangle: Fairmont East
- 6) WELL OPERATOR James F. Scott 11) DESIGNATED AGENT Barbet Crist
 Address W. O. Box 112 Address W. O. Box 112
Salmon, WV 26586 Salmon, WV 26586
- 7) OIL & GAS ROYALTY OWNER Roger Cunningham 12) COAL OPERATOR
 Address Route 4, Box 222A Address
Fairmont, WV 26554
- 8) SURFACE OWNER Roger Cunningham 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Address Route 4, Box 222A Name
Fairmont, WV 26554 Address
- 9) FIELD SALE (IF MADE) TO:
 Address
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name William Blosser
 Address Route 4, Box 317
Fairmont, WV 26554
- 14) COAL LESSEE WITH DECLARATION ON RECORD:
 Name Southern Ohio Coal Company
 Address
- 15) PROPOSED WORK: Drill X / Drill deeper / Redrill / Fracture or stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify)
- 16) GEOLOGICAL TARGET FORMATION,
- 17) Estimated depth of completed well, 2000 feet
- 18) Approximate water strata depths: Fresh, feet; salt, feet.
- 19) Approximate coal seam depths: Is coal being mined in the area? Yes X / No

20) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS						FOOTAGE INTERVALS		CEMENT FILLUP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well			
Conductor	12 1/4					30			Kinds	
Fresh water										
Coal									Sizes	
Intermediate	8 1/2						500	to surface		
Production	4 1/2						2300		Depths set	
Tubing										
Liners									Perforations: Top Bottom	

- 21) EXTRACTION RIGHTS
 Check and provide one of the following:
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)
- 22) ROYALTY PROVISIONS
 Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No
- If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

23) Required Copies (See reverse side.)
 24) 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 lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

Notary: Signed: James F. Scott
 My Commission Expires June 30, 1990 Its: Operator

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-049-0739 Date December 13

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 10) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

Permit expires August 13, 1983 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing:	Fee:

Administrator, Office of Oil and Gas

1) Date of Application

2) Your well name and number

3) To be filled out by office of Oil & Gas

Use last two digits of serial/line

4) "Oil" means a well that is used for the production of oil or gas at the wellhead.

5) "Gas" means a well that is used for the production of gas or gas and oil at the wellhead.

6) "Water" means a well that is used for the production of water at the wellhead.

7) "Steam" means a well that is used for the production of steam at the wellhead.

8) "Other" means a well that is used for the production of other fluids at the wellhead.

9) "Code" means the code assigned to the well by the office of Oil & Gas.

10) "Status" means the status of the well as of the date of application.

11) "Location" means the location of the well as of the date of application.

12) "Depth" means the depth of the well as of the date of application.

13) "Diameter" means the diameter of the well as of the date of application.

14) "Type" means the type of well as of the date of application.

15) "Remarks" means any other information that may be pertinent to the well.

16) "Code" means the code assigned to the well by the office of Oil & Gas.

17) "Status" means the status of the well as of the date of application.

18) "Location" means the location of the well as of the date of application.

19) "Depth" means the depth of the well as of the date of application.

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