



Date: May 7, , 19 82

Operator's Well No. 145-S F. Criss No. 2

API Well No. 47 085 5654

State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION
OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil _____ / Gas X /
(If "Gas", Production X / Underground storage _____ / Deep _____ / Shallow X /)

LOCATION: Elevation: 1045 Watershed: Buffalo Run

District: Grant County: Ritchie Quadrangle: Petroleum

WELL OPERATOR Stonewall Gas Company DESIGNATED AGENT Charles Canfield

Address P. O. Drawer F Address P. O. Drawer F
Buckhannon, WV 26201 Buckhannon, WV 26201

OIL & GAS ROYALTY OWNER Frank Criss, et. al.

COAL OPERATOR N/A

Address Rt. 1
Petroleum, WV 26161

Address _____

Acreage 43.75

COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER Frank Criss

Name Same as Oil & Gas Royalty Owner

Address Rt. 1
Petroleum, WV 26161

Address _____

Acreage 43.75

Name _____

FIELD SALE (IF MADE) TO:

Address _____

Address _____

COAL LESSEE WITH DECLARATION ON RECORD:

OIL & GAS INSPECTOR TO BE NOTIFIED

Name _____

Name Deo Mace

Address _____

Address Rt. 1, Box 5

Sandridge, WV 25274

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 March 5, 19 77, to the undersigned well operator from Henrietta K. Criss to Ralph Kuhn and subsequently assigned to applicant operator.
(If said deed, lease, or other contract has been recorded:)

Recorded on June 9, 19 82, in the office of the Clerk of the County Commission of Ritchie County, West Va., in O & G Lease Book 123 at page 377. 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 the receipt of this Application by the Department.

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.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

BLANKET BOND

04/19/2024

Stonewall Gas Company
Well Operator
By Charles W. Canfield
Its Production Superintendent

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) Unknown
Address _____

GEOLOGICAL TARGET FORMATION, Gordon Shale

Estimated depth of completed well, 4200 feet Rotary X / Cable tools _____ /

Approximate water strata depths: Fresh, 245' feet; salt, _____ feet.

Approximate coal seam depths: N/A Is coal being mined in the area? Yes _____ / No X /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS			New	Used	FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft			For drilling	Left in well		
Conductor	11 $\frac{3}{4}$				X	300'	300'	CTS	Kinds
Fresh Water									
Coal									Sizes
Intermediate	8 $\frac{5}{8}$	K-55		X		1600	1600	Circulate	
Production	4 $\frac{1}{2}$	K-55		X		4200	4200	As Needed 420 SKS	Depths set as req. by Rule 15.0
Tubing									
Liners									Perforations: Top Bottom

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,
ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY
APPROVED FOR drilling. THIS PERMIT SHALL EXPIRE
IF OPERATIONS HAVE NOT COMMENCED BY 2-3-83
BY [Signature]

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.

WAIVER


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 regulations.


Date: _____, 19 _____

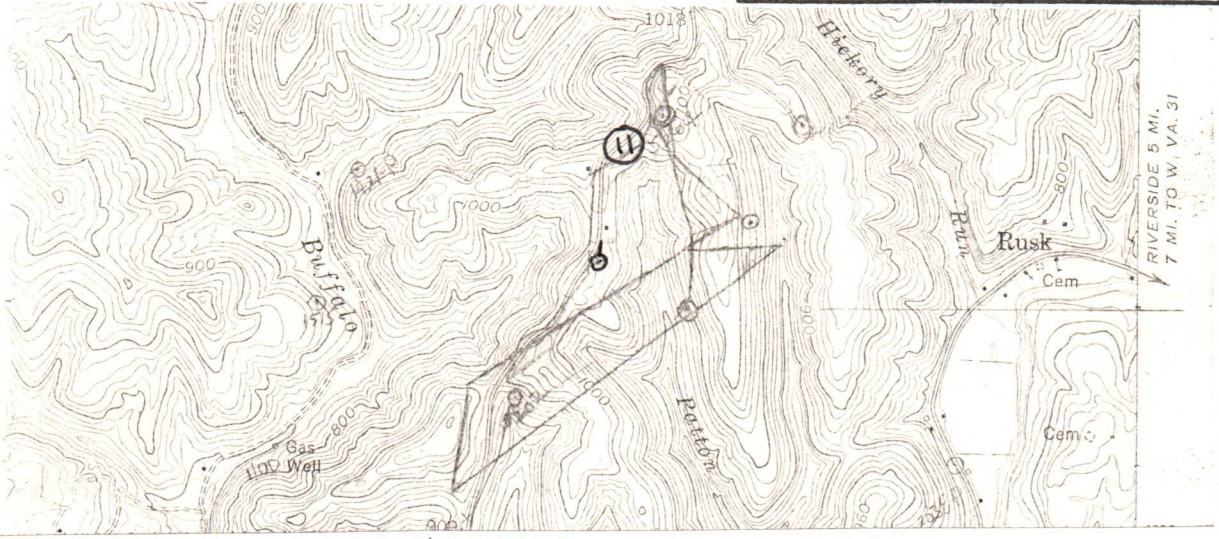
By _____
Its _____

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE Petroleum 7.5 min.

LEGEND

Well Site 













Access Road 

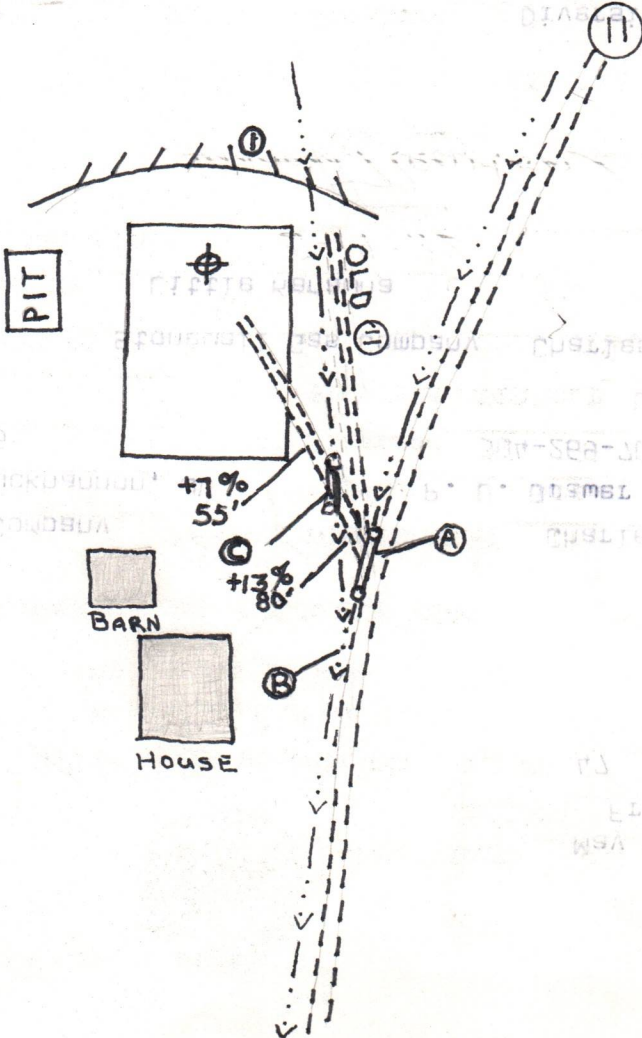


WELL SITE PLAN

Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND

Property boundary 	Diversion 
Road 	Spring 
Existing fence 	Wet spot 
Planned fence 	Building 
Stream 	Drain pipe 
Open ditch 	Waterway 



04/19/2024

DATE May 6, 1982
 WELL NO. Frank Criss No. 2
 API NO. 47 - 085 - 5654



State of West Virginia
 Department of Mines
 Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Stonewall Gas Company
 Address P. O. Drawer F, Buckhannon, WV
 Telephone 304-269-7045
 DESIGNATED AGENT Charles Canfield
 Address P. O. Drawer F, Buckhannon, WV
 Telephone 304-269-7045
 SOIL CONS. DISTRICT Little Kanawha

LANDOWNER Frank Criss
 This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 5-14-82 (Date)
 Charles Canfield (SCD Agent)

ACCESS ROAD

(A)	Structure	Culvert (15")	Spacing	As Shown	Page Ref. Manual	2-7
(B)	Structure	Drainage Ditch	Spacing	As Shown	Page Ref. Manual	2-12
(C)	Structure	Culvert Grass Drains	Spacing	As Required 12"	Page Ref. Manual	2-1

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

REVEGETATION

Treatment Area I	Lime As determined by pH testons/acre	6.5	Fertilizer	600 lbs/acre	Mulch Hay or Straw	2 Tons/acre	Seed* KY 31 Fescue	35 lbs/acre	Birdsfoot Trefoil	10 lbs/acre
Treatment Area II	Lime As determined by pH testons/acre	or correct to pH 6.5	Fertilizer	600 lbs/acre	Mulch Hay or Straw	2 Tons/acre	Seed* KY 31 Fescue	35 lbs/acre	Birdsfoot Trefoil	10 lbs/acre

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

NOTES: Please request for treatment cooperation to protect new seeding for one growing season. Attach separate sheets as necessary for comments.

PLAN PREPARED BY Davis Associates
 ADDRESS 308 Professional Bldg. Clarksburg, WV 26301
 PHONE NO. 304-623-5371

RECEIVED
 MAY 18 1982
 OIL AND GAS DIVISION
 WV DEPARTMENT OF MINES



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

June 22, 1982

Perfs: (3485-3638) 40 holes

Dowell Foam Frac

510 BBLs H₂O, 1.2 MMCF Nitrogen, 120,000# Sand, 2300# BRKD, 1300# ISIP

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Sand	br	h	0	80	
Shale	br, rd,	s	80	230	Damp at 108'
Sand	w	h	230	315	
Shale	gr	s	315	1245	
Shale	r	s	1245	1645	
Sand	w	h	1645	1745	Oil show at 1710'
Lime/Sand	gr	h	1745	1815	
Injun	w	h	1815	1940	
Shale	gr	s	1940	1950	
Sand	w	h	1950	2060	
Shale	gr	s	2060	2345	
Berea	br	m	2345	2360	
Shale	gr	s	2360	3710	
Silstone	br	m	3710	3805	
Shale	gr	s	3805	4230	
TD				4230	

(Attach separate sheets as necessary)

Stonewall Gas Company
Well Operator

By: Charles W. Caspell 04/19/2024

Date: 08/06/82

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."

RECEIVED
AUG 16 1982



IV-35
(Rev 8-81)

OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division

Date Aug. 6, 1982
Operator's
Well No. 145-S F. Criss #2
Farm Frank Criss #2
API No. 47 - 085 - 5654

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1045 Watershed Buffalo Run
District: Grant County Ritchie Quadrangle Petroleum

COMPANY Stonewall Gas Company
ADDRESS P.O. Drawer F, Buckhannon, WV 26201
DESIGNATED AGENT Charles Canfield
ADDRESS P.O. Drawer F, Buckhannon, WV 26201
SURFACE OWNER Frank Criss
ADDRESS Rt. 1, Petroleum, WV 26161
MINERAL RIGHTS OWNER Frank Criss, et.al.
ADDRESS Rt. 1, Petroleum, WV 26161
OIL AND GAS INSPECTOR FOR THIS WORK Deo
Mace ADDRESS Rt. 1, Box 5, Sandridge, WV
PERMIT ISSUED May 18, 1982 25274
DRILLING COMMENCED June 7, 1982
DRILLING COMPLETED June 12, 1982
IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON _____

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.	35'	Pulled	
13-10"			
9 5/8			
8 5/8		1753'	To surface 440 sks.
7			
5 1/2			
4 1/2		4185'	440 sks. 1800
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 2350-4200 feet
Depth of completed well 4230 feet Rotary X / Cable Tools _____
Water strata depth: Fresh 108 feet; Salt -- feet
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth 3485-3638 feet
Gas: Initial open flow show Mcf/d Oil: Initial open flow show Bbl/d
Final open flow 156 Mcf/d Final open flow 1 Bbl/d
Time of open flow between initial and final tests 72 hours
Static rock pressure 450 psig (surface measurement) after 72 hours shut in
(If applicable due to multiple completion--)
Second producing formation _____ Pay zone depth 04/19/2024 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

(Continue on reverse side)

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

RECEIVED

JAN 4 - 1983

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 85-5654

Oil or Gas Well _____
(KIND)

Company Stonewall Gas Company

Address _____

Farm Frank Criss

Well No. 145-S F. Criss # 2

District Grant County Putch

Drilling commenced _____

Drilling completed _____ Total depth _____

Date shot _____ Depth of shot _____

Initial open flow _____ /10ths Water in _____ Inch

Open flow after tubing _____ /10ths Merc. in _____ Inch

Volume _____ Cu. Ft.

Rock pressure _____ lbs. _____ hrs.

Oil _____ bbls., 1st 24 hrs.

Fresh water _____ feet _____ feet

Salt water _____ feet _____ feet

Drillers' Names _____

Remarks: _____

Final Inspection O.K. to Release

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 3/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

12-29-82

DATE

Samuel N. Hersman 04/19/2024
DISTRICT WELL INSPECTOR



State of West Virginia
Department of Mines
Oil and Gas Division
Charleston 25305

THEODORE M. STREIT
ADMINISTRATOR

WALTER N. MILLER
DIRECTOR

January 20, 1983

Stonewall Gas Company
P.O. Drawer F
Buckhannon, W.Va. 26201
Attn: Charles Canfield

In Re: PERMIT NO: RIT-5654
FARM: Frank Criss etal.
WELL NO: 2-145=S
DISTRICT: Grant
COUNTY Ritchie

Gentlemen:

The FINAL INSPECTION REPORT for the above described well has been received in this office. Only the column check below applies:

 The well designated by the above permit number has been released under your Blanket Bond.

 Please return the enclosed cancelled single bond which covered the well designated by the above permit number to the surety company who executed said bond in your behalf, in order that they may give you credit on their records.

XXXX Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above captioned well will remain under bond coverage for life of the well.

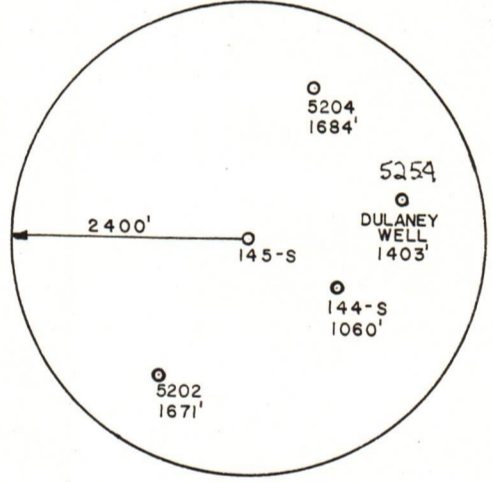
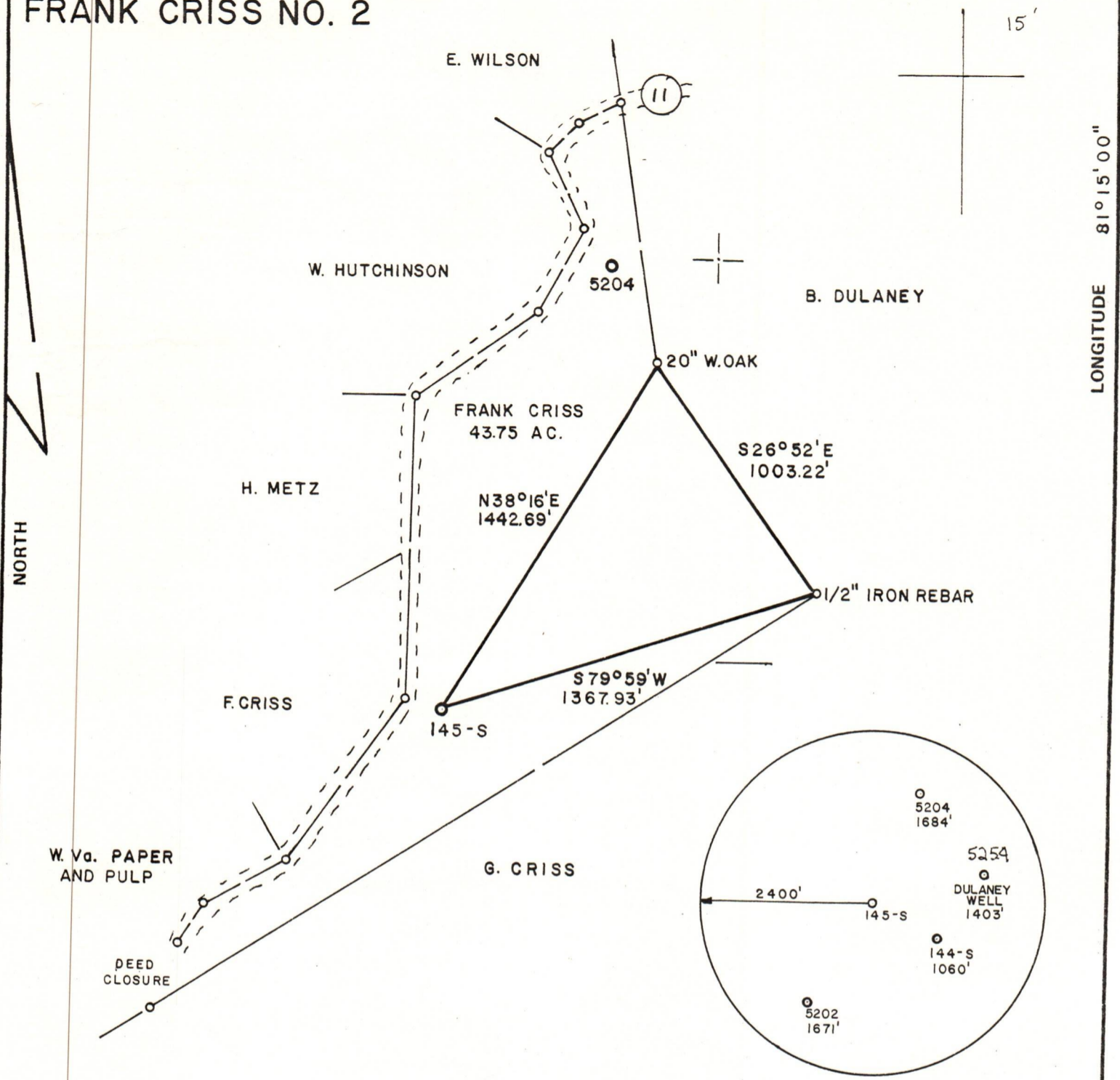
Very truly yours,

Theodore M. Streit, Administrator
Office of Oil & Gas-Dept. Mines

TMS/ cm

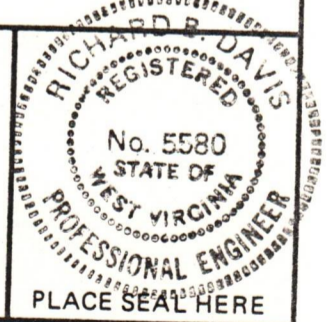
04/19/2024

FRANK CRISS NO. 2



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION EXISTING WELL NO. 5204 ELEV. - 1125'

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) Richard B. Davis
 R.P.E. 5580 L.L.S. _____



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE MAY 5, 19 82
 OPERATOR'S WELL NO. F. CRISS NO. 2
 API WELL NO. 145-S
 47 - 085 - 5654
 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 1045' WATER SHED ___ BUFFALO RUN
 DISTRICT GRANT COUNTY RITCHIE
 QUADRANGLE PETROLEUM 7.5 min.

SURFACE OWNER FRANK CRISS ACREAGE 43.75
 OIL & GAS ROYALTY OWNER FRANK CRISS LEASE NO. _____ LEASE ACREAGE 43.75

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 GORDON SHALE ESTIMATED DEPTH 4200'
 WELL OPERATOR STONEWALL GAS COMPANY DESIGNATED AGENT CHARLES CANFIELD
 ADDRESS P.O. DRAWER F BUCKHANNON, WV 26201 ADDRESS P.O. DRAWER F BUCKHANNON, WV 26201

04/19/2024