FORM IV-2
(Obverse)
(12-81)

Date: 2 June, 19 82

Operator's Well No. Layfield #1

API Well No. 47 -085-5706
State County Permit
5706

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

OIL AND GAS WELL PERMIT APPLICATION

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

LOCATION: Elevation: 1078 Watershed: Devihole Creek
District: Grant County: Ritchie Quadrangle: ____

WELL OPERATOR Grant Grim Drilling Co.
Address Box 394
Tionesta, Pa 16353

DESIGNATED AGENT Durl Flaherty
Address 425 South Spring St
Harrisville, West Virginia
26362 Phone 304-643-2570

OIL & GAS ROYALTY OWNER B.K. Layfield
Address Rt #64
Lubeck, West Virginia
Acreage 101.25

COAL OPERATOR None.
Address ____

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name None.
Address ____
Name None.
Address ____

SURFACE OWNER B.K. Layfield
Address Rt #64
Lubeck, West Virgina
Acreage 101.25

FIELD SALE (IF MADE) TO: Penzoil c/o John Snyder.
Address P.O. Box 1588
Parkersburg West Virginia 26102

OIL & GAS INSPECTOR TO BE NOTIFIED
Name DEO Mace
Address Rt #1 Box 5
Sand Ridge West Virginia 25274
Phone 304-655-7398

COAL LESSEE WITH DECLARATION ON RECORD:
Name None.
Address ____

RECEIVED
JUN 8 1982
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

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 20 Jan, 19 82, to the undersigned well operator from Harald Woodford
(IF said deed, lease, or other contract has been recorded:)
Recorded on March 24, 19 82, in the office of the Clerk of the County Commission of Ritchie County, West Va., in Lease Book 142 at page 446-48. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill deeper ____ / Redrill ____ / Fracture or stimulate X /
Plug off old formation ____ / Perforate new formation X /
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.

05/03/2024

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

Grant Grim Drilling Co.
Well Operator
By Grant B Grim
Its President

B.B.

FORM IV-2
(Reverse)
(12-81)

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) Not Known

Address _____

GEOLOGICAL TARGET FORMATION, _____

Estimated depth of completed well, 5950' feet Rotary X / Cable tools _____ /

Approximate water strata depths: Fresh, 200-300 feet; salt, Usally None feet.

Approximate coal seam depths: None Is coal being mined in the area? Yes _____ / No X /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS Size	Grade	Weight per ft	New	Used	FOOTAGE INTERVALS For drilling	Left in well	CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
Conductor	12"	Reg	44#		X	400'	400'	±300 sx.	Kinds None
Fresh Water	Same As	Above.							
Coal	None								Sizes
Intermediate	8 5/8" OD	J-55	28#	X		1,300'	1,300'	±400 sx.	
Production	4 1/2" OD	K-55	10.5#	X		-5950 To T.D.	-5950 All.	±500 sx.	Depths set
Tubing	2 3/8" OD	Upset K-55.	4.6#	X		-5950. To T.D.	None.		
Liners									Perforations: None.
									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 2-24-83:
BY _____

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 _____

IV-9
(Rev 8-81)

DATE 28 APRIL, 1982
WELL NO. LAYFIELD #1
API NO. 47 - 085 - 5706

State of West Virginia
Department of Mines
Oil and Gas Division
Construction & Reclamation Plan

COMPANY NAME GRANT GRIM DRILLING CO.
ADDRESS BOX 394
TIONESTA, PENNSYLVANIA 16353
Telephone (815) 755-3522

DESIGNATED AGENT DURL FLUHARTY
ADDRESS 425 SOUTH SPRING STREET
HARRISVILLE, W.VA. 26362
Telephone (304) 643-2570

LANDOWNER BRADLEY K. & MARY LAYFIELD

SOIL CONS. DISTRICT LITTLE KANAWHA

Revegetation to be carried out by GRANT GRIM DRILLING COMPANY (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 5-1-82 (Date)

Jarrett Newlon
(SCD Agent)

ACCESS ROAD

Structure CROSS DRAIN (A)
Spacing 45' TO 400' (AS NEEDED)
Page Ref. Manual 2.4

Structure RIP-RAP (STONE-LOGS) (B)
Spacing SAME AS CROSS DRAIN
Page Ref. Manual N/A

Structure (C)
Spacing
Page Ref. Manual

LOCATION

Structure (1)
Material
Page Ref. Manual

Structure (2)
Material NO structures needed.
Page Ref. Manual

Structure (3)
Material
Page Ref. Manual

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WV DEPARTMENT OF MINES

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WV DEPARTMENT OF MINES

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 _____ Tons/acre
or correct to pH 6.5
Fertilizer 500 lbs/acre
(10-20-20 or equivalent)
Mulch HAY 2 Tons/acre
Seed* KY31 TALL FESCUE 40 lbs/acre
REDTOP 5 lbs/acre
_____ lbs/acre
_____ lbs/acre

Treatment Area II

Lime _____ Tons/acre
or correct to pH 6.5
Fertilizer 500 lbs/acre
(10-20-20 or equivalent)
Mulch HAY 2 Tons/acre
Seed* KY31 TALL FESCUE 40 lbs/acre
REDTOP 5 lbs/acre
_____ lbs/acre
_____ lbs/acre

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

05/03/2024

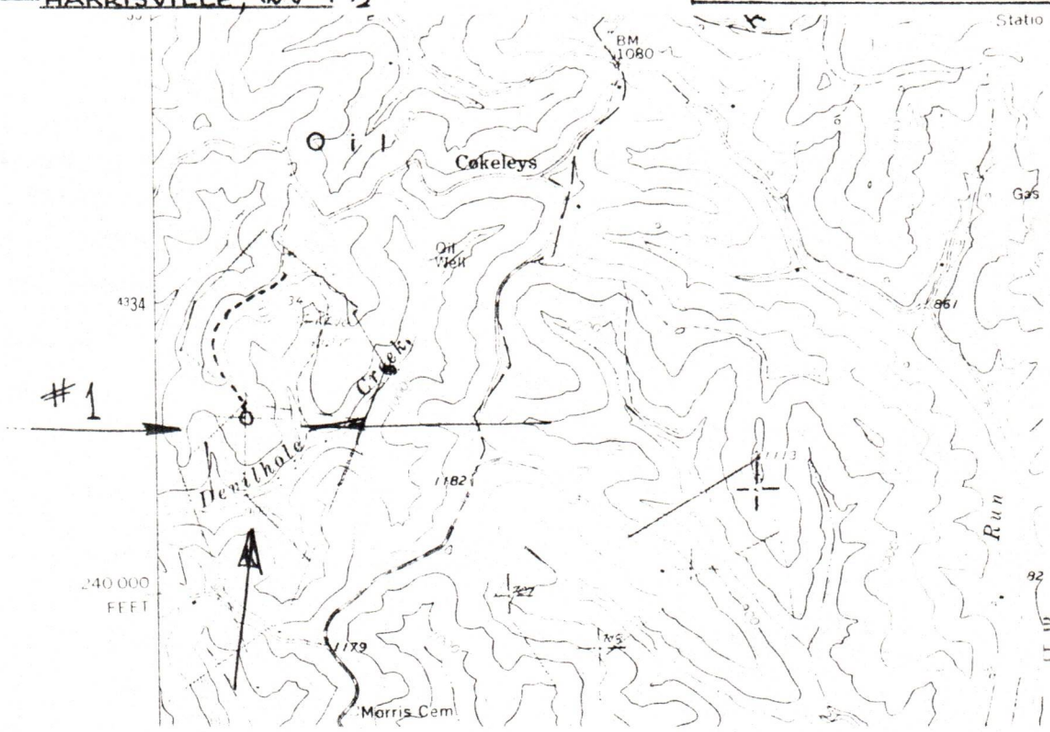
PLAN PREPARED BY WILLIAM R. MOSSOR, L.L.S.
ADDRESS 112 NORTH SPRING STREET
HARRISVILLE, W.VA. 26362
PHONE NO. (304) 643-4572

NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

IV-9 REVERSE
(REV 8-81)

ATTACH OR PHOTOCOPY SECTION OF
INVOLVED TOPOGRAPHIC MAP.
QUADRANGLE HARRISVILLE, WV 7½'

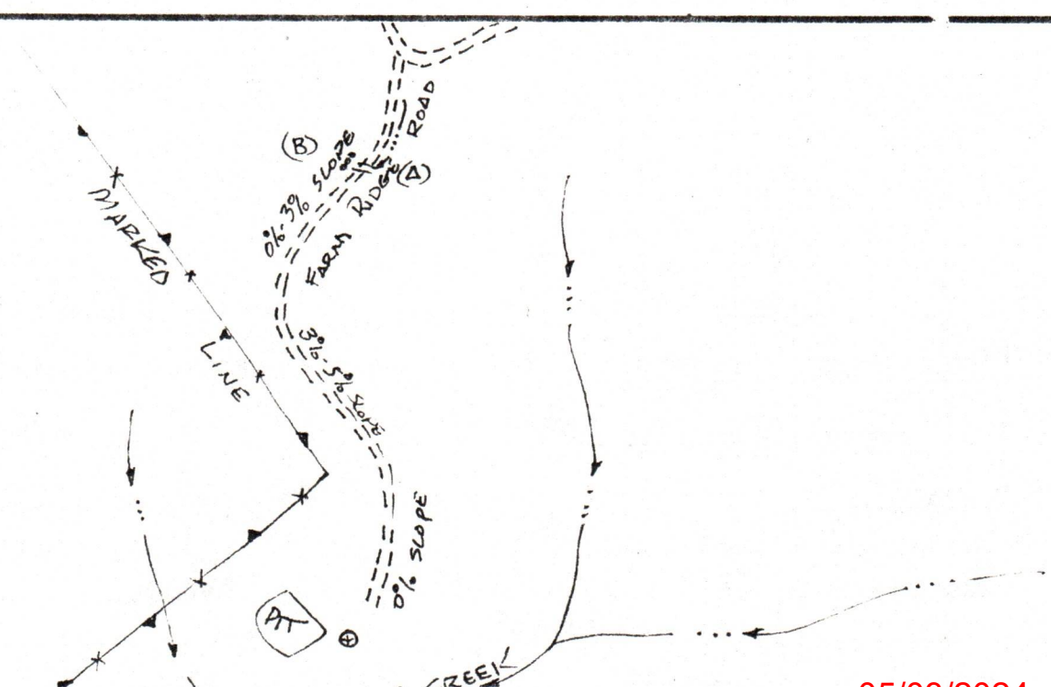
LEGEND
WELL SITE ⊕ ACCESS ROAD —



Sketch ... ed, well ...,
drillir ... th the first
part of

LEGEND

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



05/03/2024

Comments: 1. LENGTH OF ACCESS ROAD 8500'

2. BRUSH AND TREES TO BE PILED AT SITE

3. LOCATION LOCATED ON RIDGE

4.

5.

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JUN 24 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

AFFIDAVIT

Grant Grim Drilling Co.
Box 394
Tionesta, Pa. 16353

I, Grant B. Grim, the above Designated Owner or Operator or Designated Authorized Representative of thereof, hereby verify that the owner or owners of the mineral estate, upon which this proposed well will be located will receive a minimum 1/8 Royalty for gas or oil extracted there from.

B. K. LAYFIELD #1
RITCHIE COUNTY

Grant Grim Drilling Co.

Well Operator

By: Grant B Grim

It's: President

STATE OF WEST VIRGINIA,
COUNTY OF _____.

TO-WIT: I, Jan Nelson Moore, a Notary Public in and for said County and State, do certify that Grant Grim, whose name is signed to the writing above, bearing date the 23rd day of June, 19 82, has this day acknowledged the same before me in my said County.

Given under my hand this 23rd day of June, 19 82.

My Commission Expires 12-6-82,

Jan Nelson Moore, Notary Public

JAN MOORE
NOTARY PUBLIC
RITCHIE COUNTY

05/03/2024

05/03/2024

IV-35
(Rev 8-81)

State of West Virginia
Department of Mines
Oil and Gas Division

Date 6-13-84
Operator's
Well No. #1
Farm Layfield
API No. 47 085 - 5706

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

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

LOCATION: Elevation: 1074 Watershed Devils Hole
District: Grant County Ritchie Quadrangle Cairo

COMPANY Grant Grim Drilling Co.
ADDRESS Box 394, Tionesta, PA
DESIGNATED AGENT Durl Fluharty
ADDRESS Harrisville, WV
SURFACE OWNER Burl Layfield
ADDRESS Rt.1 Cairo, WV
MINERAL RIGHTS OWNER Burl Layfield
ADDRESS Rt.1 Cairo, WV
OIL AND GAS INSPECTOR FOR THIS WORK Sam Hersman ADDRESS Smithville, WV
PERMIT ISSUED 6-24-82
DRILLING COMMENCED 7-27-82
DRILLING COMPLETED 8-3-82
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.			
13-10"			
9 5/8			
8 5/8	1312	1312	surface
7			
5 1/2			
4 1/2	4300	4300	315
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 4200 feet
Depth of completed well 4300 feet Rotary xx / Cable Tools ___
Water strata depth: Fresh 195 feet; Salt 775 feet
Coal seam depths: none . Is coal being mined in the area? no

OPEN FLOW DATA
Producing formation Devonian Shale Pay zone depth 3328-4270 feet
Gas: Initial open flow 275 Mcf/d Oil: Initial open flow 10 Bbl/d
Final open flow 195 Mcf/d Final open flow 15 Bbl/d
Time of open flow between initial and final tests 48 hours
Static rock pressure 1220 psig (surface measurement) after 48 hours shut in
(If applicable due to multiple completion--)
Second producing formation ___ Pay zone depth ___ feet

RIT 5706

FORM IV-35
(REVERSE)

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

The Layfield #1 was frac'd in two stages, The first stage- 40 perfs, 4030'-4040'; second stage- 40 perfs, 3330'-3340'. Both stages were frac'd with 750,000 scf of nitrogen.

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Red rock,sand,shale	surface	1480	
Salt Sand	1480	1526	
Sand,shale	1526	1958	
Big Lime	1958	2012	
Big Injun	2012	2130	
Shale	2130	2492	
Berea	2492	2524	
Shale	2524	2594	
Fifty Foot	2594	2652	
Shale	2652	2774	
Thirty Foot	2774	2824	
Shale	2824	2880	
Gordon	2880	2992	
Shale	2992	3612	
Tiona	3612	3656	
Shale	3656	3876	
Balltown	3876	3940	
Shale	3940	4300	

(Attach separate sheets as necessary.)

Grant Gum Drilling Co.
Well Operator

By: Grant B Gum

Date: 18 June 84

05/03/2024

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."

OG-11

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OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S WELL REPORT

Permit No. 85-5706

Oil or Gas Well _____ (KIND)

Company Grant Grimm Drilling Co.

Address _____

Farm B. K. Layfield

Well No. Layfield #1

District Grant County Ritchie

Drilling commenced 7-30-82

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

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer
13			
10			Size of
8¼			
6⅝			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 1022' to 1029' FEET ~~INCHES~~

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names E. Golfred - Tom Smith G. Thomson
Tool Pusher - Ken Zickefoose

Contractor = Fox Drilling

Remarks: Ran 1305' of 8 5/8 casing on 7-31-82
330 sacks of Cement was used = Run by Dowell C.T.S.
Picked up gas show at 2000' and 3000'
Pil ok.

8-2-82
DATE

Samuel N. Newman
DISTRICT WELL INSPECTOR

05/03/2024

Form 26
2/16/82

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No._____ Well No._____

COMPANY_____ ADDRESS_____

FARM_____ DISTRICT_____ COUNTY_____

Filling Material Used_____

Liner	Location	Amount	Packer	Location

PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST

Drillers' Names_____

Remarks:

_____ I hereby certify I visited the above well on this date.
DATE

05/03/2024

_____
DISTRICT WELL INSPECTOR

OG-11

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

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AUG - 3 1982
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 85-5706

Oil or Gas Well (KIND)

Company Grant Grimm Drilling Co.

Address

Farm B. K. Sayfield

Well No. Sayfield #1

District Grant County Ritchie

Drilling commenced 7-30-82

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

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer
13			
10			Size of
8¼			
6⅝			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

Drillers' Names E. Godfred Tom Smith E. Thomason Tool Pusher Ken Zickefoose

Contractor = For Drilling

Remarks: Ran 18' of Conductor Drilling at 270' Depth

7-30-82
DATE

Samuel N. Yeadman
DISTRICT WELL INSPECTOR

05/03/2024

Form 26
2/16/82

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No._____ Well No._____

COMPANY_____ ADDRESS_____

FARM_____ DISTRICT_____ COUNTY_____

Filling Material Used_____

Liner Location Amount Packer Location

PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST

Drillers' Names_____

Remarks:

_____ I hereby certify I visited the above well on this date.
DATE

_____
DISTRICT WELL INSPECTOR

05/03/2024

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

FINAL INSPECTION REQUEST

INSPECTOR'S COMPLIANCE REPORT

RECEIVED
JAN 18 1984
OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 47-085-5706 County Ritchie
Company Grant Grimm Drilling Co. Farm B. K. Layfield
Inspector Samuel Hersman Well No. Layfield #1
Date 1-12-84

RULE	DESCRIPTION	IN COMPLIANCE Yes	No
23.06	Notification Prior to starting Work	✓	
25.04	Prepared before Drilling to prevent waste		
25.03	High-Pressure Drilling		
16.01	Required Permits at wellsite	✓	
15.03	Adequate Fresh Water Casing	✓	
15.02	Adequate Coal Casing	✓	
15.01	Adequate Production Casing		
15.04	Adequate Cement Strength		
23.02	Maintained Access Roads	✓	
25.01	Necessary Equipment to prevent Waste		
23.03	Reclaimed Drilling Site	✓	
23.04	Reclaimed Drilling Pits	✓	
23.05	No surface or underground Pollution	✓	
7.03	Identification Markings	✓	

COMMENTS: OK to Release

I have inspected the above well and (HAVE/HAVE NOT) found it to be in compliance with all of the rules and regulations of the Office of Oil and Gas Department of Mines of the State of West Virginia.

SIGNED: Samuel N. Hersman
DATE: 1-12-84

State of West Virginia

BARTON B. LAY, JR.
DEPUTY DIRECTOR

Department of Mines
Oil and Gas Division
Charleston 25305

THEODORE M. STREIT
ADMINISTRATOR

February 8, 1985

Grim Grant Drilling Co.
P. O. Box 394
Tionesta, Pennsylvania 16353

In Re: Permit No: 47-085-5706

Farm: Layfield, Bradley & Mary

Well No: 1

District: Grant

County: Ritchie

Issued: 6-24-82

Gentlemen:

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

_____ The well designated by the above captioned 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.

XXXXX 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.

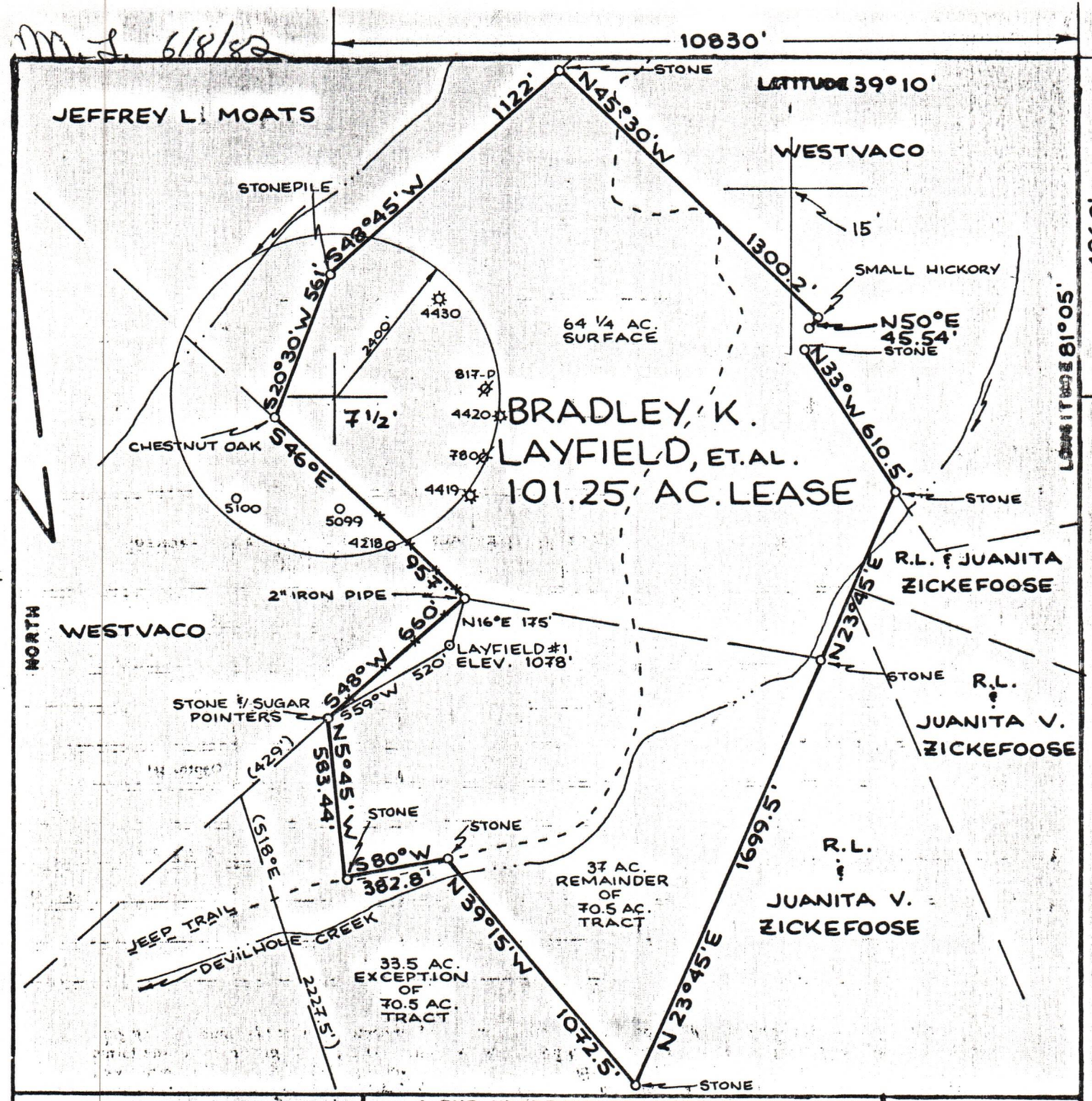
Very truly yours,

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

TMS/nw

05/03/2024

M. J. 6/8/82



FILE NO. _____

DRAWING NO. _____

SCALE 1"=500'

MINIMUM DEGREE OF ACCURACY 1:200

PROVEN SOURCE OF ELEVATION HIGH PT. ELEV. 1134'

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) William R. Mosser

R.P.E. _____ L.L.S. 551

WILLIAM R. MOSSOR
LICENSED
No. 551
STATE OF
WEST VIRGINIA
LAND SURVEYOR

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FORM IV-6
(8-79)

DATE 27 APRIL, 1982

OPERATOR'S WELL NO #1 (LAYFIELD)

API WELL NO.
47 - 085 - 5706
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL TYPE: OIL X GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS", PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X

LOCATION: ELEVATION 1078' WATER SHED DEVILHOLE CREEK
DISTRICT GRANT COUNTY RITCHIE
QUADRANGLE HARRISVILLE 7 1/2' QUAD.

SURFACE OWNER BRADLEY K. & MARY LAYFIELD ACREAGE 37

OIL & GAS ROYALTY OWNER BRADLEY K. LAYFIELD, ET. AL. LEASE ACREAGE 101.25
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 MARCELLUS SHALE ESTIMATED DEPTH 5990'

WELL OPERATOR GRANT GRIM DRILLING CO DESIGNATED AGENT DURL FLUHARTY

ADDRESS Box 394 ADDRESS 425 SOUTH SPRING STREET
TIONESTA, PENNSYLVANIA 16353 HARRISVILLE, W.VA. 26362