

(Reverse)

(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) Clint Hurt

Address Edens Fork, WV

GEOLOGICAL TARGET FORMATION Marcellus Shale

Estimated depth of completed well 4800 feet. Rotary X / Cable tools /

Approximate water strata depths: Fresh, 200 feet; salt, 2050 feet.

Approximate coal seam depths: None

Is coal being mined in this area: Yes / No x /

CASING AND TUBING PROGRAM

Table with columns: CASING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight per ft, New, Used), FOOTAGE INTERVALS (For Drill-ling, Left in Well), CEMENT FILL (UP OR SACKS, Cubic ft.), PACKERS (Kinds, Sizes, Depths set, 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 3-1-83

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:

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: _____

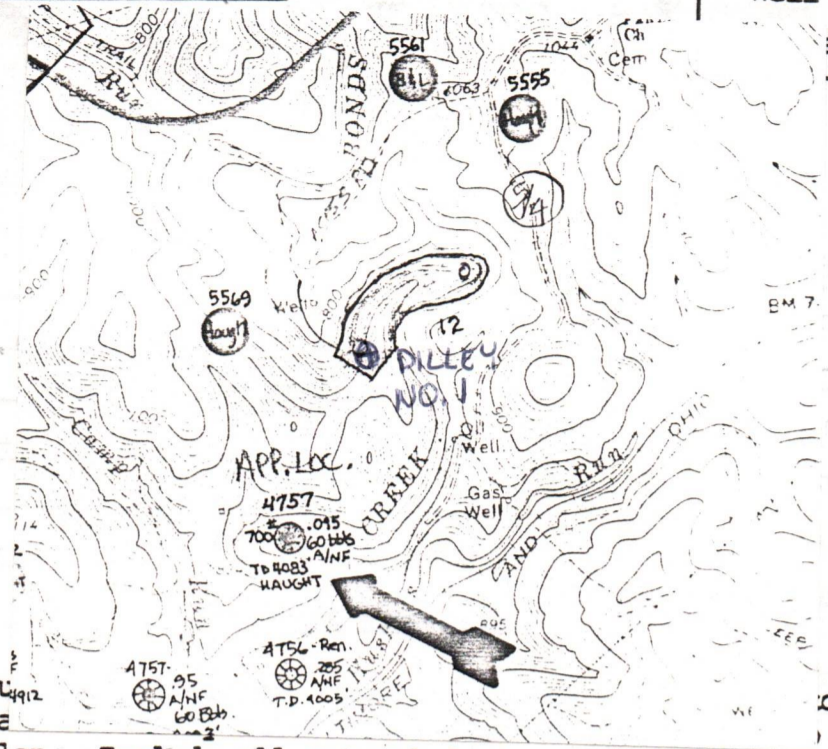
Its: _____

ATTACH OR PHOTOCOPIED SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE HARRISVILLE(75)

LEGEND

Well Site 



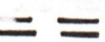








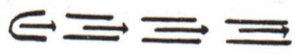
As Road 

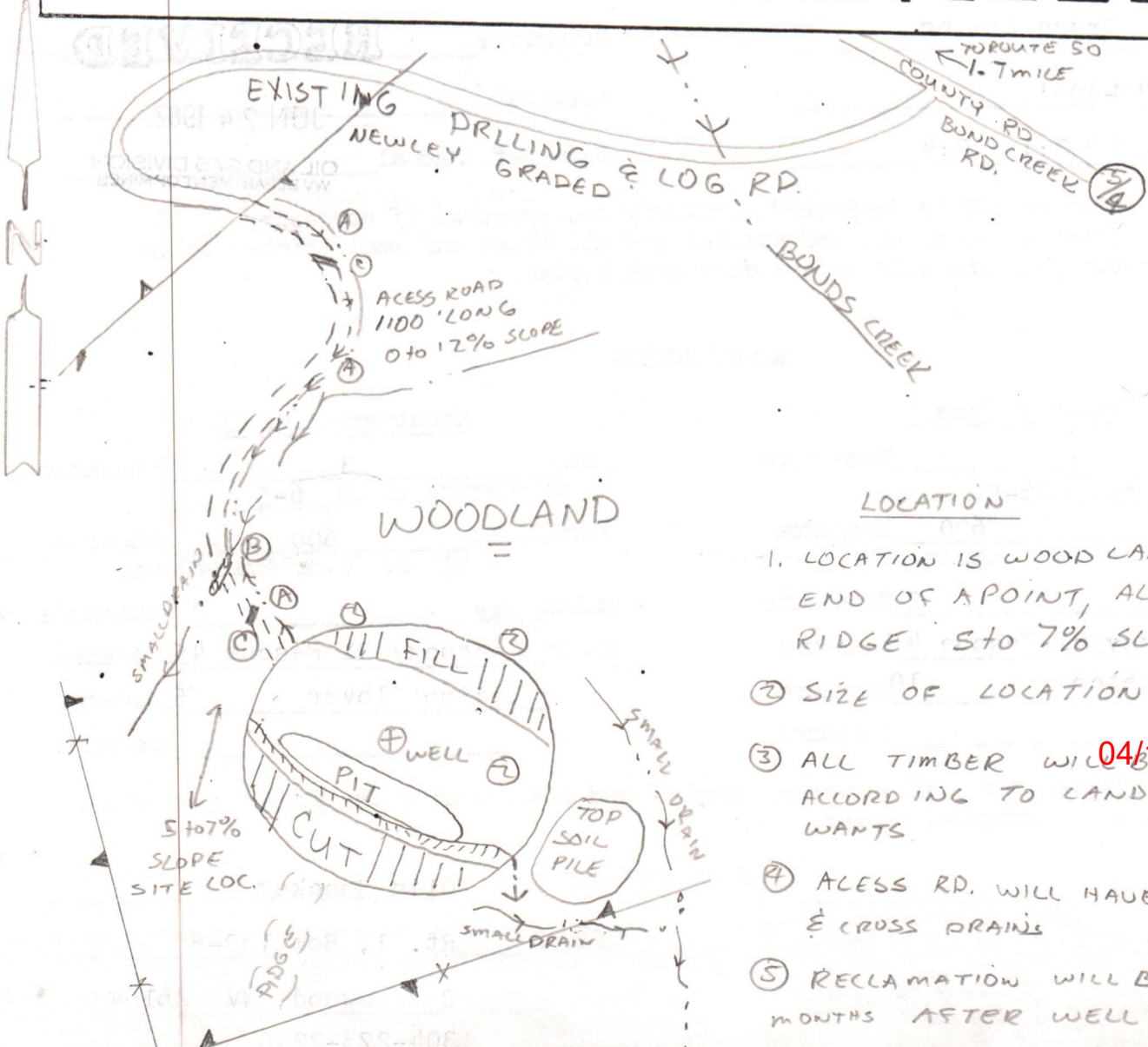


Sketch to include drilling pits as part of this plan. Include all natural drainage.

to be constructed, well site correspond with the first

LEGEND

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



LOCATION

1. LOCATION IS WOODLAND ON THE END OF A POINT, ALONG A SMALL RIDGE 5 TO 7% SLOPE
2. SIZE OF LOCATION 150' X 200'
3. ALL TIMBER WILL BE STACKED ACCORDING TO LAND OWNERS WANTS
4. ACCESS RD. WILL HAVE SIDE SLOPE & CROSS DRAINS
5. RECLAMATION WILL BE DONE 6 MONTHS AFTER WELL IS COMPLETED

04/19/2024

Note: ACCESS RD. MAY CHANGE ACCORDING TO RIGHT-OF-WAYS

IV-9
(Rev 8-81)



DATE June 23, 1982

WELL NO. Dilley No. 1

State of West Virginia
Department of Mines
Oil and Gas Division

API NO. 47-085-5726



04/19/2024

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

ADDRESS Rt. 1, Box 139-B

Ravenswood, WV 26164

PHONE NO. 304-273-2246

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

Perforated 4601 to 4255 with 28 holes.
 Used 750 gals. 15% HCL and fractured with 1,250,000 scf N₂.
 Perforated 3990 to 3581 with 29 holes.
 Fractured with 1,250,000 scf N₂.
 Perforated 3545 to 3345 with 18 holes.
 Fractured with 1,000,000 scf N₂.

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 & shale			0	372	
Sand			372	415	
Shale			415	675	
Sand			675	752	
Shale			752	896	
Sand			896	934	
Shale			934	1290	
Sand			1290	1315	
Shale			1315	1440	
Sand			1440	1512	
Shale			1512	1600	
Sand			1600	1650	
Shale			1650	1674	
Big Lime			1674	1779	
Big Injun			1779	1804	
Break			1804	1816	
Squaw			1816	1839	
Shale			1839	2185	
Coffee Shale			2185	2208	
Berea			2208	2227	
Shale			2227	4268	
Huron Shale			4268	4567	
Shale			4567	4806	
TD			4806		

(Attach separate sheets as necessary)

Wayman W. Buchanan
 Well Operator

By:

Gay Wright 04/19/2024

Date: September 28, 1982

Regulation 1.02(d) 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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MAR 21 1983

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES



IV-35
(Rev 8-81)

Date September 28, 1982
Operator's
Well No. Dilly #1
Farm Oley Dilly
API No. 47 - 085 - 5726

State of West Virginia
Department of Mines
Oil and Gas Division

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 / Underground Storage / Deep / Shallow X /)

LOCATION: Elevation: 779.6 Watershed Bonds Creek
District: Grant County Ritchie Quadrangle Harrisville 7.5'

COMPANY Wayman W. Buchanan
444 Petroleum Commerce Building
ADDRESS San Antonio, Texas 78205

DESIGNATED AGENT Jim P. Morris
401 Peoples Building
ADDRESS Charleston, WV 25301

SURFACE OWNER Oley Dilly
ADDRESS 469 Liberty St., Paintsville, OH
44077

MINERAL RIGHTS OWNER Same
ADDRESS

OIL AND GAS INSPECTOR FOR THIS WORK Deo
Mace ADDRESS Rt. 1, Box 5
Sandridge, WV 25274

PERMIT ISSUED 6/1/82

DRILLING COMMENCED 7/29/82

DRILLING COMPLETED 8/4/82

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		360'	Circ.
8 5/8			
7		2137'	Circ.
5 1/2			
4 1/2		4794	215 sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Marcellus Shale Depth 4800 feet

Depth of completed well 4806 feet Rotary X / Cable Tools

Water strata depth: Fresh 65 feet; Salt 1780 feet

Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth 4601-3345 feet

Gas: Initial open flow 0 Mcf/d Oil: Initial open flow 0 Bbl/d

Final open flow 170 Mcf/d Final open flow 14 Bbl/d

Time of open flow between initial and final tests 24 hours

Static rock pressure 1400 psig (surface measurement) after 36 hours shut in
(If applicable due to multiple completion--)

04/19/2024

Second producing formation None 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

RIT. 5726

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

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INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 085 5726

Oil or Gas Well _____
(KIND)

Company <u>Buchanan</u> Address _____ Farm <u>Dilly</u> Well No. <u>FF1</u> District _____ County <u>Ritchie</u> 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	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

Drillers' Names _____

Remarks: Redacted needs number before release.

9/18/83
DATE

[Signature]
04/19/2024
DISTRICT WELL INSPECTOR

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

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OCT 19 1983

FINAL INSPECTION REQUEST
INSPECTOR'S COMPLIANCE REPORT

OIL & GAS DIVISION
 DEPT. OF MINES

Permit No. 085 5726 County Ritchie
 Company Buchanan Farm Dilly
 Inspector Jeffrey Tepheloh Well No. _____
 Date 10/14/83

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: 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: Jeffrey Tepheloh
 DATE: 10/14/83

04/19/2024



State of West Virginia

Department of Mines

Charleston 25305

JOHN D. ROCKEFELLER, IV.
Governor

WALTER N. MILLE
Director

November 16, 1983

Wayman W. Buchanan
P. O. Box 106
Kenna, W. Va. 25248

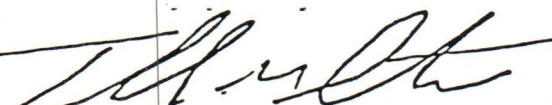
Gentlemen:

The required records and reports have been received in this office and the District Inspectors have submitted FINAL INSPECTIONS for the following wells listed below:

<u>PERMIT NUMBER</u>	<u>FARM AND WELL NUMBER</u>	<u>DISTRICT</u>
RIT-5434	Dr. C. E. Willingham, #1	Grant
RIT-5726	Oley Dilly, et al, #1	Grant
RIT-5770	Dr. C. E. Willingham, #2	Grant
RIT-5847	Helen Light, #2	Grant
RIT-5976	John Davisson, #1	Murphy

In accordance with Chapter 22, Article 4, Section 2, the above captioned wells will remain under bond coverage for "life of wells." Reclamation requirements have been approved.

Very truly yours,

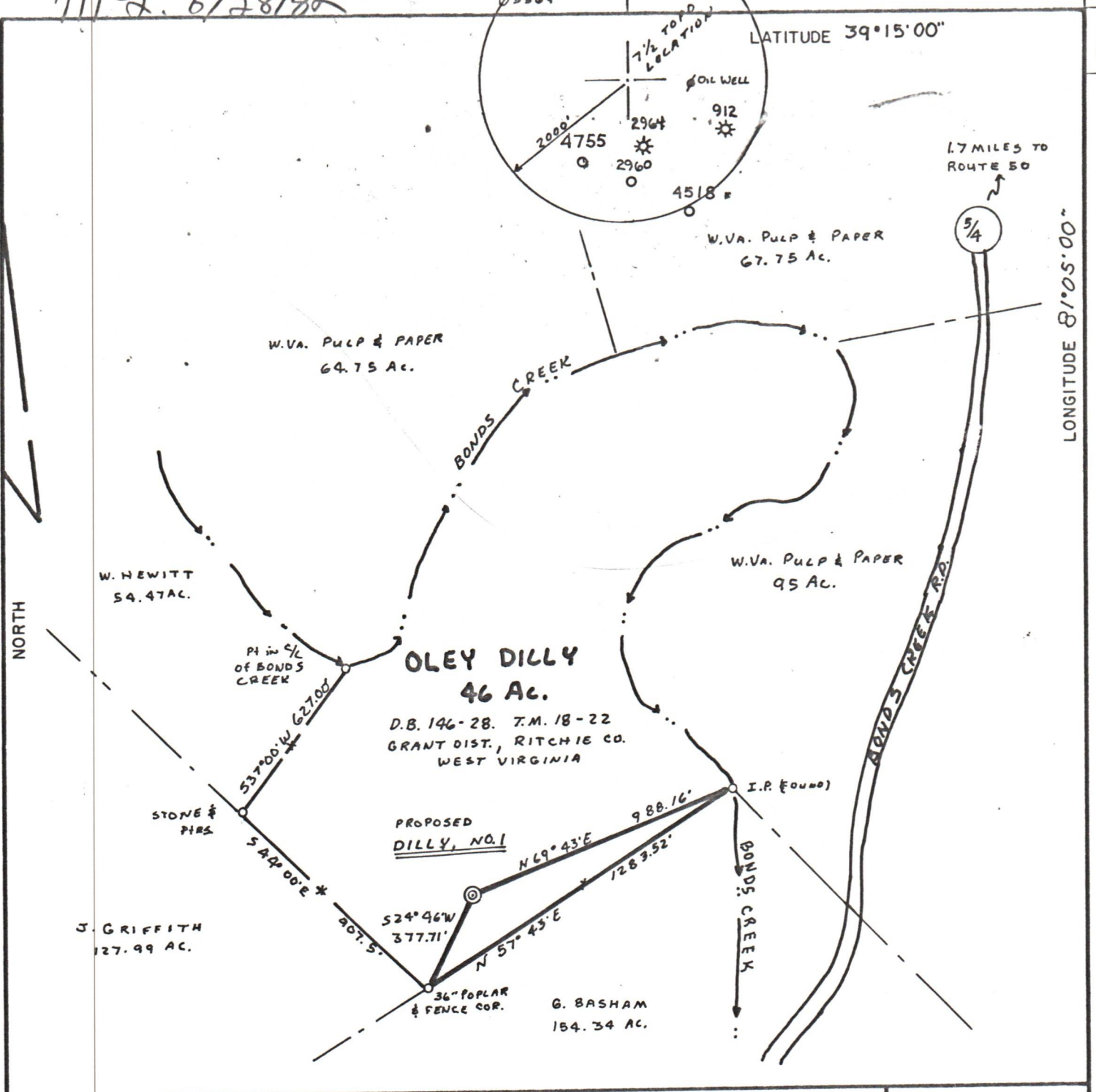

Theodore M. Streit, Administrator
Dept. Mines-Office of Oil & Gas

TMS/r1

04/19/2024

M 2. 6/28/82

6,400'



FILE NO. P.B. 33
 DRAWING NO. 82084
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION OLD OIL WELL NO. 912 EAST OF LOCATION

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) Wayman Buchanan
 R.P.E. _____ L.L.S. 434

PLACE SEAL HERE

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



Department of Mines
 Oil & Gas Division

DATE 6-22, 1982
 OPERATOR'S WELL NO. DILLY NO. 1
 API WELL NO. 47-085-5726
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS", PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 779.6' WATER SHED BONDS CREEK
 DISTRICT GRANT COUNTY RITCHIE
 QUADRANGLE HARRISVILLE (7.5')
 SURFACE OWNER OLEY DILLY ACREAGE 46.7 AC.
 OIL & GAS ROYALTY OWNER DILLY HEIRS LEASE ACREAGE 46.7 AC. 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 MARCELLUS SHALE ESTIMATED DEPTH 4800'
 WELL OPERATOR WAYMAN BUCHANAN DESIGNATED AGENT JIM P. MORRIS
 ADDRESS SAN ANTONIO, TEXAS ADDRESS CHARLESTON, W.VA.

04/10/2024

A F F I D A V I T

I, Jim P. Morris, Designated Agent for Wayman W. Buchanan, hereby verifies that the owner or owners of the mineral estate upon which this proposed well is to be located will receive minimum one-eighth (1/8) royalty payments for any gas or oil extracted therefrom.

Signed: Jim P. Morris
Jim P. Morris
Designated Agent

Notary: Vicky R. Burdette (Signed)

My Commission Expires: December 1, 1990



085-5726

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JUN 24 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

04/19/2024



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APR 19 2024

U.S. DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION

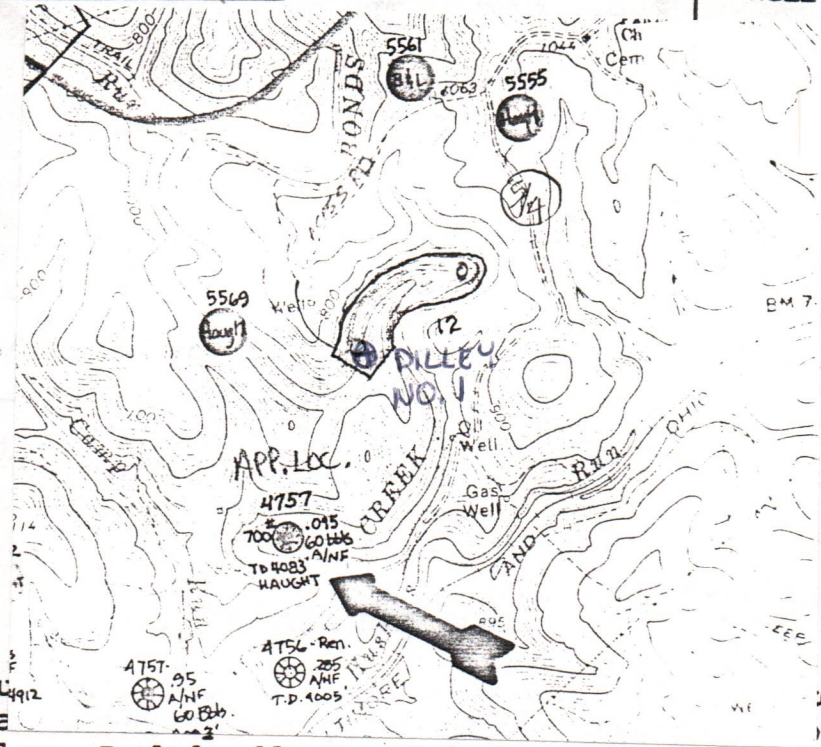
04/19/2024

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE HARRISVILLE (7.5)

LEGEND

Well Site ⊕

Ass Road ———

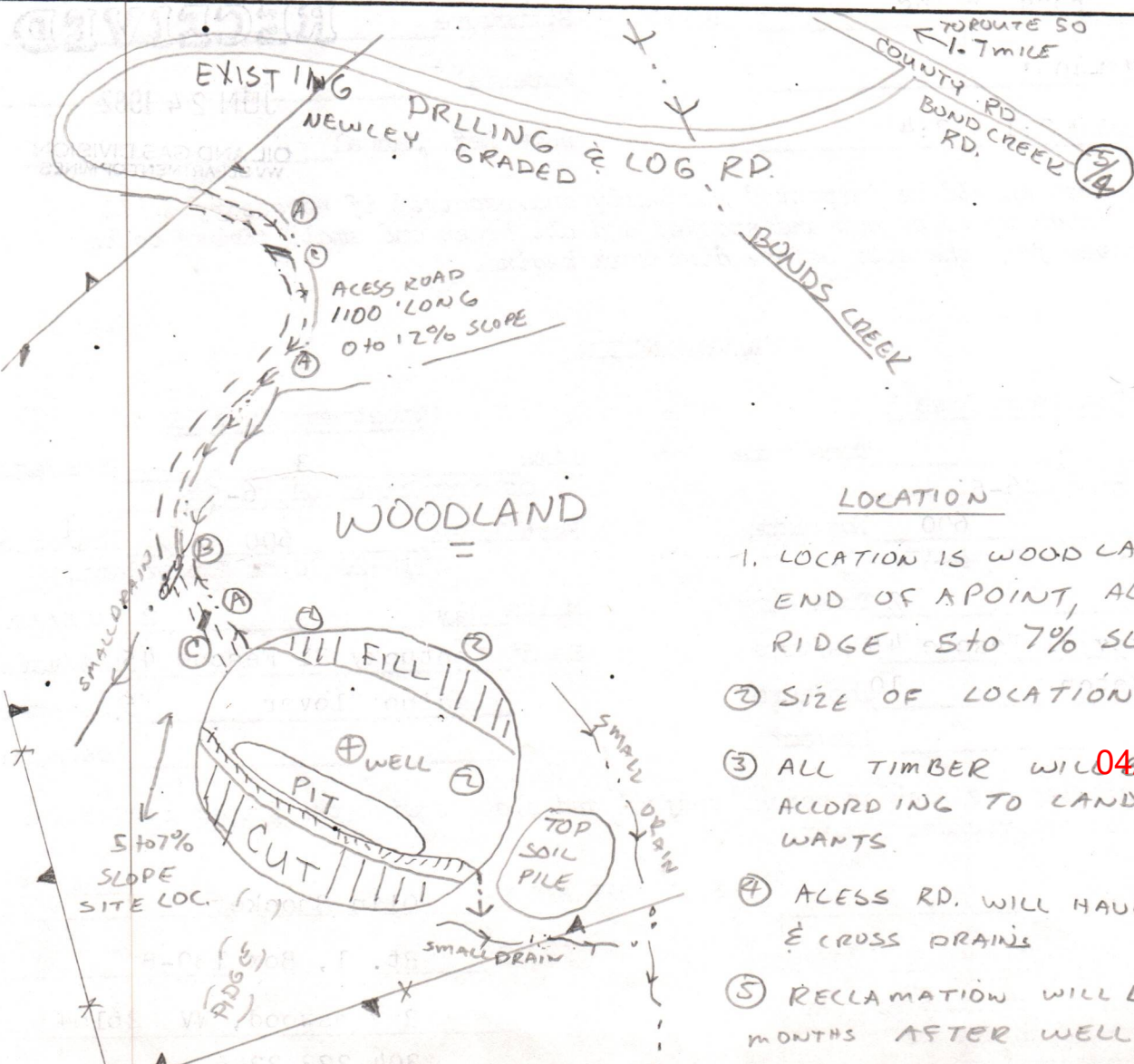


Sketch to include drilling pits and part of this plan. Include all natural drainage.

to be constructed, wellsite, correspond with the first

LEGEND

Property boundary	———▲———	Diversion	=====
Road	== == == == ==	Spring	⊕→
Existing fence	—x—x—x—	Wet spot	⊕
Planned fence	—/—/—/—	Building	■
Stream	~~~~~	Drain pipe	—○—○—○—→
Open ditch	—••••→	Waterway	⇄⇄⇄⇄



- LOCATION**
1. LOCATION IS WOODLAND ON THE END OF A POINT, ALONG A SMALL RIDGE 5 TO 7% SLOPE
 2. SIZE OF LOCATION 150' X 200'
 3. ALL TIMBER WILL BE STACKED ACCORDING TO LAND OWNERS WANTS. 04/19/2024
 4. ACCESS RD. WILL HAVE SIDE SLOPES & CROSS DRAINS
 5. RECLAMATION WILL BE DONE 6 MONTHS AFTER WELL IS COMPLETED.

Note: ACCESS RD. MAY CHANGE ACCORDING TO RIGHT-OF-WAYS.



IV-9
(Rev 8-81)

DATE June 23, 1982

WELL NO. Dilley No. 1

State of West Virginia
Department of Mines
Oil and Gas Division

API NO. 47-085-5726

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Wayman Buchanan
Address San Antonio, Texas
Telephone 512-223-3897

DESIGNATED AGENT Jim P. Morris
Address Charleston, WV
Telephone 345-6631

LANDOWNER O. L. Dilley
Revegetation to be carried out by Unknown Contractor

SOIL CONS. DISTRICT Little Kanawha
(Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 6-23-82

(Date)
Jarrett Newton
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Drainage Ditch (A)
Spacing _____
Page Ref. Manual 2:12

Structure Diversion Ditch (1)
Material Earthen
Page Ref. Manual 2:12

Structure Culvert (B)
Spacing 12" Min-30" Max I. D.
Page Ref. Manual 2:7 & 2:8

Structure _____ (2)
Material Straw
Page Ref. Manual 3:6 & 3:7

Structure Cross Drains (C)
Spacing 135'-400'
Page Ref. Manual 2:1 & 2:4

Structure **RECEIVED** (3)
Material _____
Page Ref. Manual JUN 24 1982
OIL AND GAS DIVISION
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 3 Tons/acre
or correct to pH 6.5
Fertilizer 600 lbs/acre
(10-20-20 or equivalent)
Mulch Hay 2 Tons/acre
Seed* Kentucky 31 Fescue 45 lbs/acre
Crown Vetch 10 lbs/acre
_____ lbs/acre

Treatment Area II

Lime 3 Tons/acre
or correct to pH 6.5
Fertilizer 600 lbs/acre
(10-20-20 or equivalent)
Mulch Hay 2 Tons/acre
Seed* Kentucky 31 Fescue 45 lbs/acre
Ladino Clover 5 lbs/acre
_____ lbs/acre

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

PLAN PREPARED BY Olin Shockey

ADDRESS Rt. 1, Box 139-B

Ravenswood, WV 26164

PHONE NO. 304-273-2246

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

04/19/2024