





**PROPOSED WORK ORDER**

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

DRILLING CONTRACTOR (IF KNOWN) \_\_\_\_\_  
Address \_\_\_\_\_

GEOLOGICAL TARGET FORMATION, Devonian Shale

Estimated depth of completed well, 5900 feet Rotary X / Cable tools \_\_\_\_\_ /

Approximate water strata depths: Fresh, 240 feet; salt, 540 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			New	Used	FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft			For drilling	Left in well		
Conductor	11 3/4"	---	48#	X		270'	270'	cement to surface	Kinds
Fresh Water									
Coal									Sizes
Intermediate	7"	J-55	23#	X		3570'	3570'	cement to surface	
Production	4 1/2"					5900	5900	200 sks or 25 reg.	Depth set
Tubing								by Rule 15.01	
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 04/19/2024 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 MacFarlan 7.5

**LEGEND**

Well Site 













Access Road 



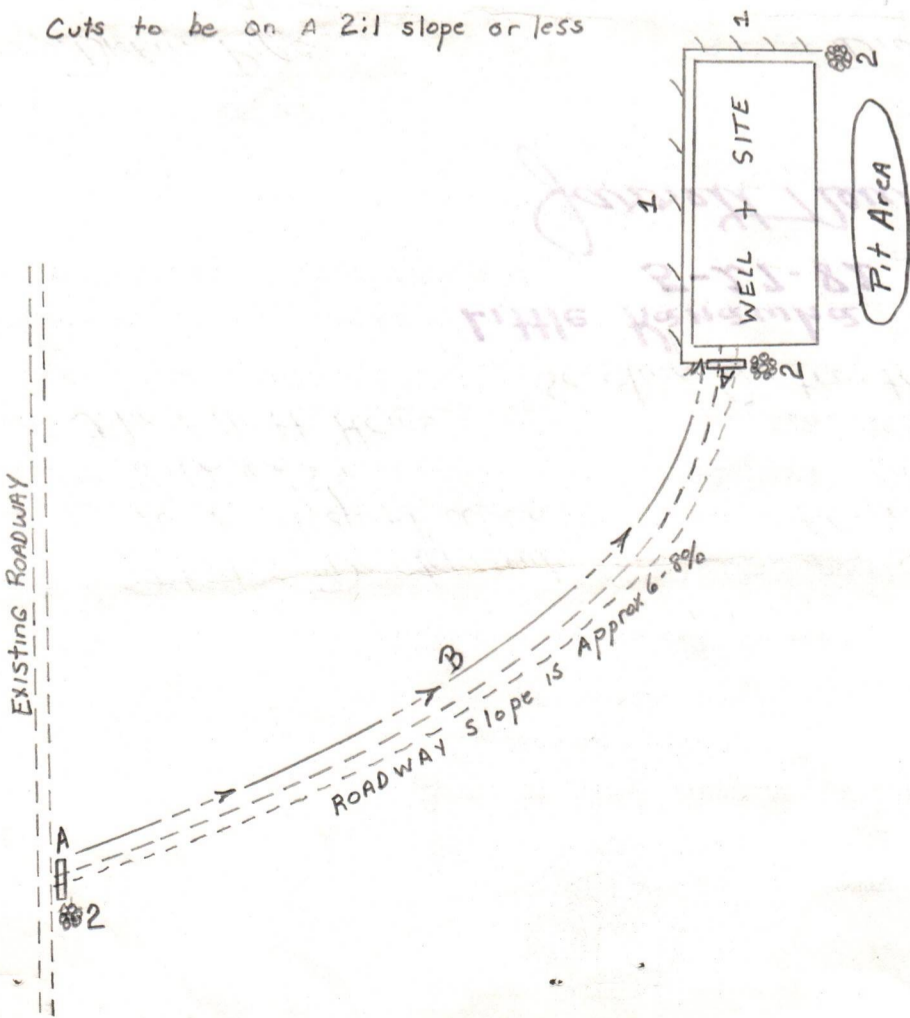
**WELL SITE PLAN**

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 

*Elliott Heirs #2*



04/19/2024



04/19/2024



DATE May-26-82 WELL NO. 2 API NO. 47-085-5661 State of West Virginia Department of Mines Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Petroleum Development Address P.O. 26 Bridgeport, W. Va. Telephone 842-6756 LANDOWNER John Elliott Heirs This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 5-27-82 (Date) Janet Newton (SCD Agent)

ACCESS ROAD

(A)	Structure <u>Drain Pipe</u>	Spacing <u>(min. 12" I.D.)</u>	Page Ref. Manual <u>2.7</u>
(B)	Structure <u>Drainage Ditch</u>	Spacing <u>N/A</u>	Page Ref. Manual <u>2.12</u>
(C)	Structure _____	Spacing _____	Page Ref. Manual _____

LOCATION

(1)	Structure <u>Diversion Ditch</u>	Material <u>Eriogon</u>	Page Ref. Manual <u>2.12</u>
(2)	Structure <u>Rip-Rap</u>	Material <u>Stone</u>	Page Ref. Manual <u>N/A</u>
(3)	Structure _____	Material _____	Page Ref. Manual _____

REVEGETATION

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.

Treatment Area I	Lime <u>3</u> Tons/acre	or correct to pH <u>6.5</u>	Fertilizer <u>600</u> lbs/acre	(10-20-20 or equivalent)	Mulch <u>Hay-2</u> Tons/acre	Seed* <u>Hy-31-30</u> lbs/acre	<u>Rd Clover-5</u> lbs/acre	<u>Alsike Clover-3</u> lbs/acre
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Treatment Area II	Lime <u>3</u> Tons/acre	or correct to pH <u>6.5</u>	Fertilizer <u>600</u> lbs/acre	(10-20-20 or equivalent)	Mulch <u>Hay-2</u> Tons/acre	Seed* <u>Hy-31-30</u> lbs/acre	<u>Rd Clover-5</u> lbs/acre	<u>Alsike Clover-3</u> lbs/acre
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\*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

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

PLAN PREPARED BY John R. Stout ADDRESS P.O. 26 PHONE NO. 842-6256 Bridgeport, W. Va. 26330



(REVERSE)

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

OPEN HOLE      60 perfs      (4508 - 5503)      283 bbls CO<sub>2</sub>      &      1,050,000 scf N<sub>2</sub>

THRU PIPE      39 perfs      (4321 - 5117)      96 bbls CO<sub>2</sub>      &      984,000 scf N<sub>2</sub>

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fre and salt water, coal, oil and g
KB - GL			0	10	
Sand, Shale, Red Rock			10	2137	
Big Injun			2137	2175	
Sand, Shale			2175	2189	
Squaw			2189	2203	
Sand, Shale			2203	2635	
Gantz			2635	2647	
Sand, Shale			2647	2917	
Gordon			2917	2929	
Sand, Shale			2929	3491	
Huron			3491	4639	
Java			4639	5011	Gas Show - 4650'
Angola			5011	5335	
Rhinestreet			5335	5550	
				TD	

(Attach separate sheets as necessary)

Petroleum Development Corporation

Well Operator

By:

Date:

*John Mitchell*      04/19/2024

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 all, encountered in the drilling of a well."





State of West Virginia  
Department of Mines  
Oil and Gas Division

Date 12/13/82  
Operator's  
Well No. #2  
Farm Elliott  
API No. 47 -085 - 5661

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     /)

LOCATION: Elevation: 1100 Watershed MacFarlan Creek  
District: Murphy County Ritchie Quadrangle MacFarlan 7 1/2'

COMPANY Petroleum Development Corporation

ADDRESS P. O. Box 26, Bridgeport, WV 26330

DESIGNATED AGENT John R. Mitchell

ADDRESS P. O. Box 26, Bridgeport, WV 26330

INTERFACE OWNER John Elliott Heirs

ADDRESS c/o Olin & Minnie Elliott

ADDRESS 5605 6th Avenue, Vienna, WV 26105

GENERAL RIGHTS OWNER John Elliott Heirs

ADDRESS c/o Olin & Minnie Elliott

ADDRESS 5605 6th Avenue, Vienna, WV 26105

LAND AND GAS INSPECTOR FOR THIS WORK Deo

Mace ADDRESS Rt. 1, Box 5, Sandridge, WV

PERMIT ISSUED 25274

DRILLING COMMENCED 6/14/82

DRILLING COMPLETED 6/25/82

APPLICABLE: PLUGGING OF DRY HOLE ON

CONTINUOUS PROGRESSION FROM DRILLING OR

WORKING. VERBAL PERMISSION OBTAINED

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond. 16	30'	30'	
13-3/8" 13-10"	272	272	200 sks
9 5/8	963	963	150 sks
8 5/8			
7	3512	3512	280 sks
5 1/2			
4 1/2	5202	5202	100 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 5800 feet

Depth of completed well 5550 feet Rotary X / Cable Tools    

Water strata depth: Fresh     feet; Salt     feet

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

IN FLOW DATA

Producing formation Devonian Shale Pay zone depth 4321 - 5503 feet

Gas: Initial open flow 1500 Mcf/d Oil: Initial open flow 0 Bbl/d

Final open flow     Mcf/d Final open flow     Bbl/d

Time of open flow between initial and final tests     hours

Static rock pressure 314 psig (surface measurement) after 24 hours 04/19/2024

(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

Ritchie 5661



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

RECEIVED

JUN 25 1982

OIL AND GAS DIVISION  
 WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 85-9661

Oil or Gas Well \_\_\_\_\_  
 (KIND)

Company <u>Petroleum Development Co.</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>John Elliott</u>	16			Kind of Packer _____
Well No. <u>2</u>	13			
District <u>Murphy</u> County <u>Put</u>	10			Size of _____
Drilling commenced <u>6-13-82</u>	8 1/4			
Drilling completed _____ Total depth _____	6 3/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used _____			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Union #5

Remarks: 230'

6-14-82  
 DATE

Wes Mac 04/19/2024  
 DISTRICT WELL INSPECTOR







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

RECEIVED

JUL 1 - 1982

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 85-5661

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company P. D. C.  
 Address \_\_\_\_\_  
 Farm Elliott  
 Well No. 2  
 District Murphy County Put  
 Drilling commenced \_\_\_\_\_  
 Drilling completed 6-25-82 Total depth 550  
 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 Union #5

Remarks: \_\_\_\_\_

6-25-82

DATE

D. L. M. all

04/19/2024

DISTRICT WELL INSPECTOR







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

RECEIVED

NOV 17 1982

INSPECTOR'S WELL REPORT

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

Permit No. 85-5661

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company Petroleum Development Corp.

Address \_\_\_\_\_

Farm John Elliott Hairs

Well No. 2

District Murphy County Ritchie

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 5/8			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: Cleaned out hole which had already been drilled and traced  
Used Union Drilling Rig # 6 to clean out cavings in hole  
on 11-5-82 Ran 5202 foot of 4 1/2" casing  
Cement back off 1000 foot from bottom  
Was logging hole at time of visit on 11-11-82

11-11-82  
DATE

Samuel A. Heroman 04/19/2024  
DISTRICT WELL INSPECTOR







RECEIVED  
SEP 6 - 1983

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

OIL & GAS DIVISION  
DEPT. OF MINES  
INSPECTOR'S WELL REPORT

Permit No. 85-5661

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company Pet. Dev. Corp.  
 Address \_\_\_\_\_  
 Farm John Elliott  
 Well No. No. 2  
 District Murphy County Ritchie  
 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 1/2			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:

*Final inspection*

*O.k. to Release*

~~*Need well record*~~

8-30-83

DATE

*Mike Underwood*  
04/19/2024  
DISTRICT WELL INSPECTOR









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

WALTER N. MILLER  
DIRECTOR

THEODORE M. STREIT  
ADMINISTRATOR

November 14, 1983

Petroleum Development Corp.  
P. O. Box 26  
Bridgeport, W. Va. 26330

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-5647	H. R. Williams, et al, #2	Murphy
RIT-5661	John Elliott Heirs, #2	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,

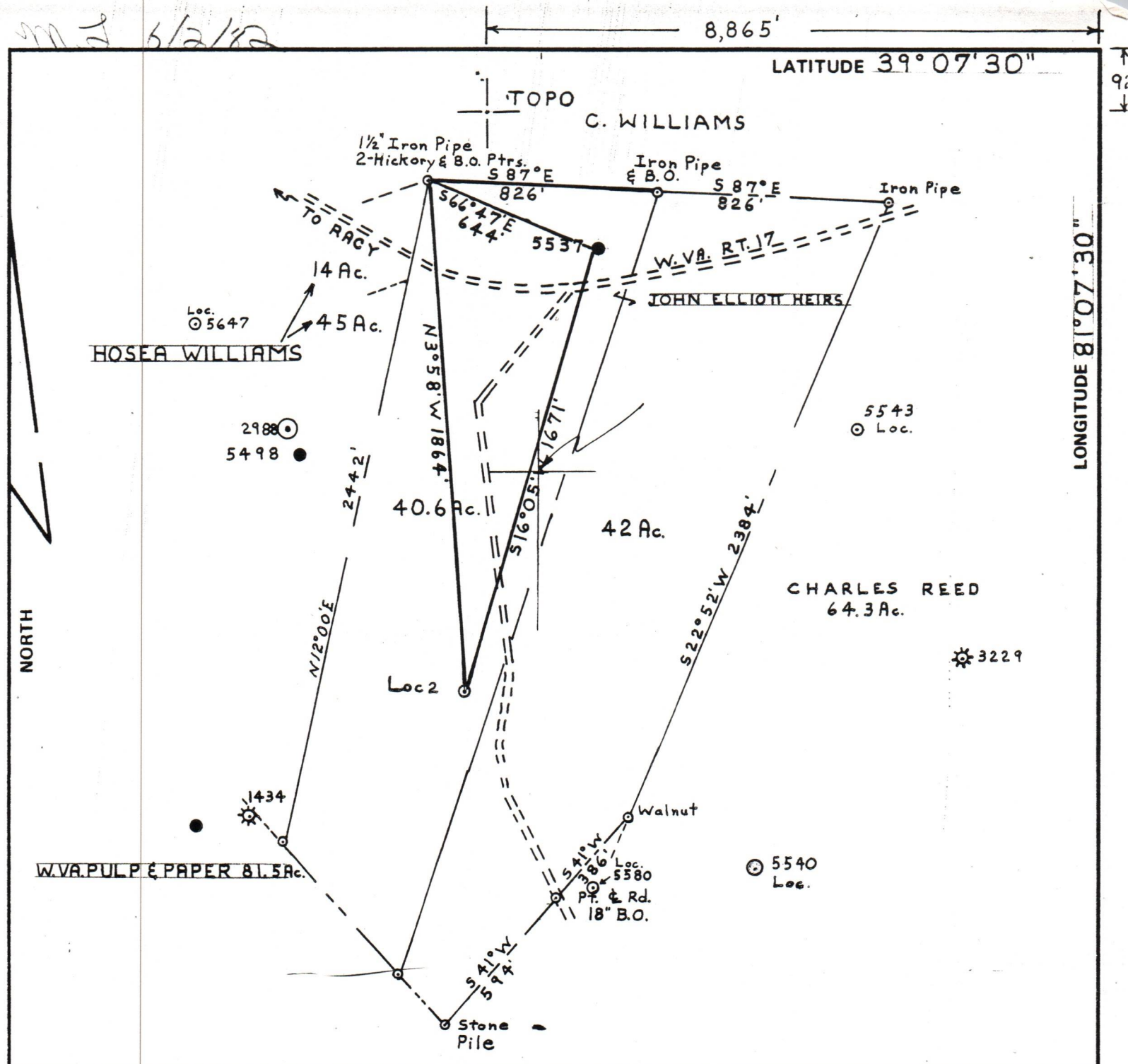
A handwritten signature in dark ink, appearing to read "Theodore M. Streit".

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

TMS/rl

04/19/2024





FILE NO. P.D.C. # 4 - P. 23  
 DRAWING NO. 1  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 IN 200  
 PROVEN SOURCE OF ELEVATION INT. RT. 17 & RT. 30  
= 1089'

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) Paul B. Dean  
 R.P.E. 1856 L.L.S. \_\_\_\_\_

PLACE SEAL HERE

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



DATE MAY 28, 19 82  
 OPERATOR'S WELL NO. 2  
 API WELL NO. \_\_\_\_\_  
47 - 085 - 5661  
 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 1090' WATER SHED MACEFARLAN CREEK  
 DISTRICT MURPHY COUNTY RITCHIE  
 QUADRANGLE MACEFARLAN 7 1/2'  
 SURFACE OWNER JOHN ELLIOTT HEIRS ACREAGE 82.6  
 OIL & GAS ROYALTY OWNER JOHN ELLIOTT HEIRS LEASE ACREAGE 82.6 04/19/2024  
 LEASE NO. 348100  
 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 5900'  
 WELL OPERATOR PE TROLEUM DEVELOPMENT DESIGNATED AGENT JOHN R. MITCHELL  
 ADDRESS P.O. BOX 26 ADDRESS P.O. BOX 26  
BRIDGEPORT W.V. BRIDGEPORT W.V.