

OIL AND GAS WELL PERMIT APPLICATION

Date: March 20, 1981

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

API NO. 47 : - 087 - 2677-DD State County Permit

LOCATION: Elevation: 1298' Watershed: Right Fork of Big Sandy

District: Geary County: Roane Quadrangle: Newton 7.5'

WELL OPERATOR PENNZOIL COMPANY Address P.O. Box 1588 Parkersburg, WV 26101

COAL OPERATOR NO COAL Address

OIL & GAS ROYALTY OWNER Aimee C. Nixon Address Gettysburg National Bank Gettysburg, PA 17325

COAL OWNER(S) WITH DECLARATION ON RECORD: Name Address

Acreage 400

COAL LESSEE WITH DECLARATION ON RECORD: Name Address

SURFACE OWNER SAME Address

RECORDED MAR 24 1981 OIL & GAS DIVISION DEPT. OF MINES

Well NO. 4 Acreage 400

FIELD SALE (IF MADE) TO:

BEFORE CONSTRUCTION BEGINS NOTIFY DISTRICT OIL AND GAS INSPECTOR:

Name Address

Name Richard Morris Grantsville, WV Street City Zip

DESIGNATED AGENT James A. Crews Address P.O. Box 1588, Parkersburg, WV 26101

PH:

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract / dated April 22, 1981, to the

undersigned well operator from Kate Nixon (If said deed, lease or other contract has been recorded:)

Recorded on , 19, in the office of the Clerk of the County Commission of Roane County, West Virginia, in Lease Book 37, at page 133. A permit is requested as follow

PROPOSED WORK: Drill / 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 Department. Copies of this Permit Application and the enclosed plat and reclamation plan have been mail by registered mail or delivered by hand to the above named coal operator, coal owner(s), and co-lessees 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: OFFICE OF OIL AND GAS 1615 Washington Street, East Charleston, West Virginia 25311

PENNZOIL COMPANY Well Operator

BLANKET BOND

By: Curtin A. Leman

PROPOSED WORK ORDER

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

BIDDING CONTRACTOR (IF KNOWN) Hank Pence Address

GEOLOGICAL TARGET FORMATION, Squaw

Estimated depth of completed well, 2208' feet Rotary / Cable tools X /

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

Approximate coal seam depths: Is coal being mined in the area? Yes / No /

CASING AND TUBING PROGRAM

Table with columns: 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 (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, of the W. Va. Code, the location is hereby approved for deepening. This permit shall expire if operations have not commenced by 11-30-81

Deputy Director - Oil & Gas Division

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


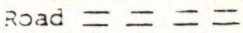
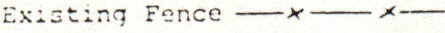
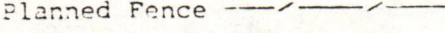


The undersigned coal operator / owner / lessee of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

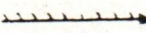



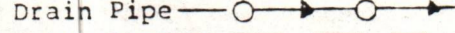
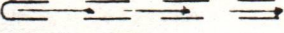
09/15/2023

Date: 19

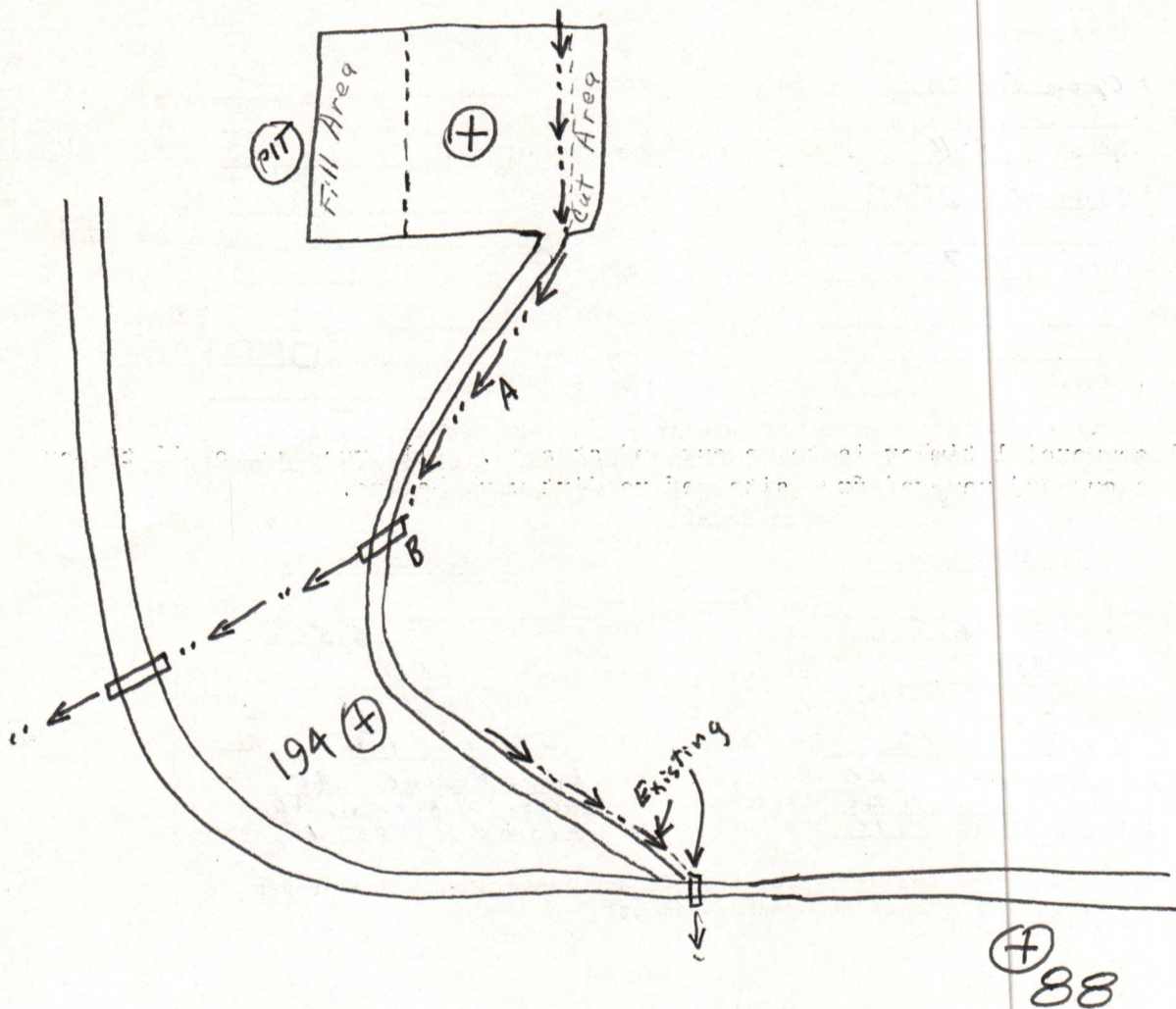
By Its

Well Site Plan

Legend: Property Boundry 
 Road 
 Existing Fence 
 Planned Fence 
 Stream 
 Open Ditch 

Diversion 
 Spring 
 Wet Spot 
 Building 
 Drain Pipe 
 Waterway 

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



Comments: All surface equipment will be removed or replaced. All disturbed areas will be revegetated. All ditches and structures will be maintained.

Signature: Curtis A. Lucas Parkersburg, W.V.
Agent Address

422-6565
Phone Number

09/15/2023

Please request landowners cooperation to protect new seeding for one growing season.

Date Feb. 23 1981
 Well No. Kate Nixon 4
 API No. 47 - 087 - 2677-00
 State County Permit

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS

Company Name PENNZOIL COMPANY Designated Agent Curtis A. Lucas
 Address PARKERSBURG, W.V. Address Parkersburg, W.V.
 Telephone 422-6565 Telephone 422-6565
 Landowner Thomas Nixon Soil Cons. District Little Kanawha

Revegetation to be carried out by Hall's Reclamation, Inc. (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan. 3-6-81 Janett Newton
 (Date) (SCD Agent)

Access Road	Location
Structure <u>Open Ditch</u> (A)	Structure _____ (1)
Spacing _____	Material _____
Page Ref. Manual <u>1-11</u>	Page Ref. Manual _____
Structure <u>Culvert 12" I.D.</u> (B)	Structure _____ (2)
Spacing _____	Material _____
Page Ref. Manual <u>1-7</u>	Page Ref. Manual _____
Structure _____ (C)	Structure _____
Spacing _____	Material _____
Page Ref. Manual _____	Page Ref. Manual _____

RECEIVED
 MAR 24 1981
 OIL & GAS DIVISION
 DEPT. OF MINES

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

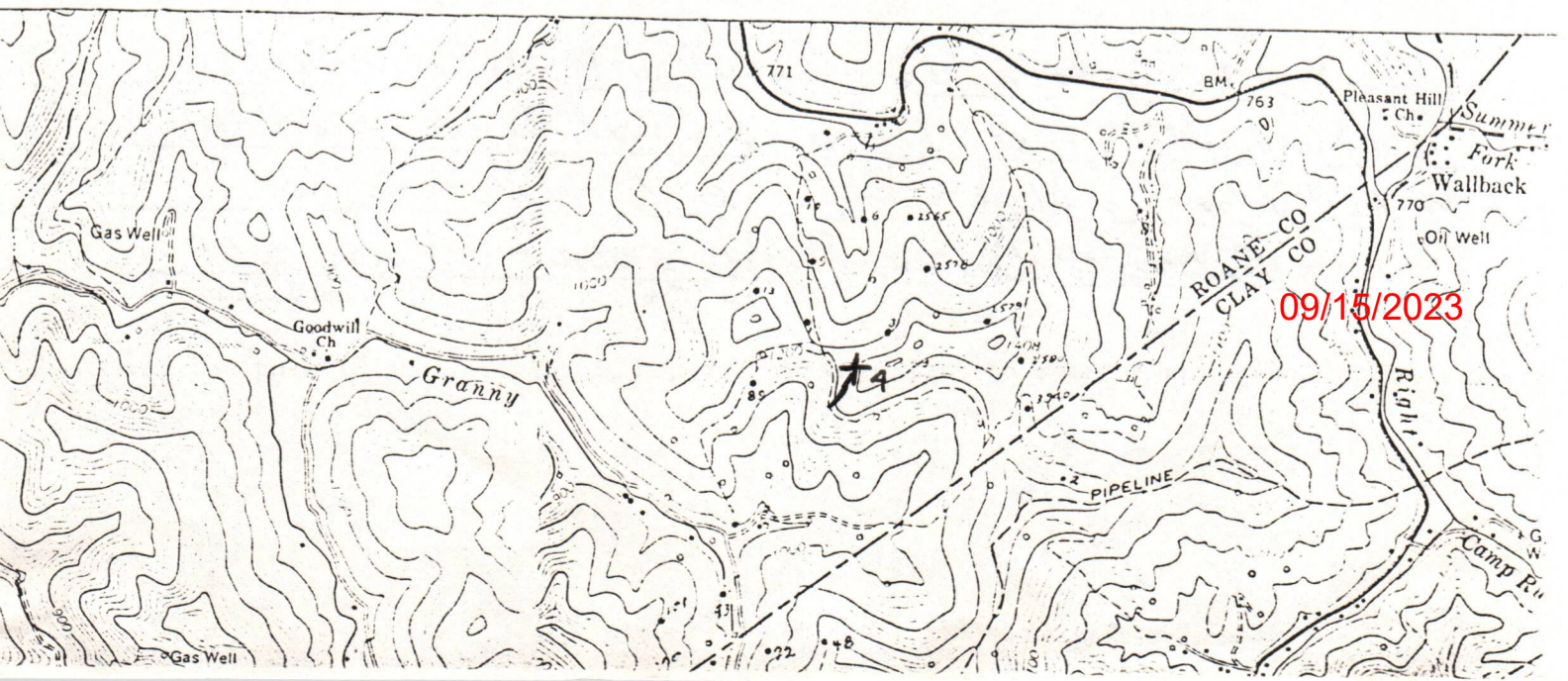
Revegetation

Treatment Area I	Treatment Area II
Lime _____ Tons/acre or correct to pH <u>6.5</u>	Lime _____ Tons/Acre or correct to pH <u>6.5</u>
Fertilizer <u>450</u> lbs/acre (10-20-20 or equivalent)	Fertilizer <u>450</u> lbs/acre (10-20-20 or equivalent)
Mulch <u>Straw 1 1/2</u> Tons/Acre	Mulch <u>Straw 1 1/2</u> Tons/Acre
Seed* <u>Ky 31 Fescue 40</u> lbs/acre	Seed* <u>Ky 31 Fescue 40</u> lbs/acre
<u>Perennial Ryegrass 40</u> lbs/acre	<u>Perennial Ryegrass 40</u> lbs/acre
<u>Alsike Clover 15</u> lbs/acre	<u>Alsike Clover 15</u> lbs/acre

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

Attach or photocopy section of involved Topographic map. Quadrangle Newton 7 1/2

Legend:  Well Site
 Access Road



Top-2677

SOUTH PENN OIL COMPANY—COMPLETION

SERIAL No. _____ FARM Kate H. Nixon WELL No. 4
 ELEVATION 1298 N. _____ S. 61 E. _____ W. 32
 LEASE No. 77991 ACRES 400 $\frac{1}{2}$
 WATERS OF Big Sandy Creek
 DISTRICT Geary COUNTY Roane STATE W. Va.
 DRILLING COMMENCED 1/10/29 COMPLETED 5/1/29 DEPTH 2208'

SANDS	TOP	BOTTOM	ELEV. TOP	CASING
PACKERS OR BIG LIME	2050	2172		8 1/2" 548'
Oil		2140	6	5/8" 2055'
Big Injun	2172	2190		
Oil	2176	2190		

PACKERS AND DEPTH SET

INITIAL PROD. Est. 10 bbl after shot SAND Big Injun DEPTH 2176-2190
 GAS TEST ----- " Big Lime " 2140
 SHOT ----- QUARTS ----- " ----- " -----
 REMARKS 1077 shot

REPORTED BY Charleston district ABANDONED _____
 F. O. 534-5M-10-21

RECEIVED

MAR 24 1981

OIL & GAS DIVISION
DEPT. OF MINES

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

Fractured: 8-26-81
w/6 Bbls. 15% HCL
1 % KCL gelled water

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Original TD				2208	
Shale			2187	2216	
Squaw			2216	2240	
Shale			2240	2263	
Total Depth				2263	

(Attach separate sheets as necessary)

PENNON Co.
Well Operator

By: *Curtis A. Pevan*

Date: 8-20-84

09/15/2023

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."

IV-35
(Rev 8-81)



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AUG 21 1984

State of West Virginia
Department of Mines
Oil & Gas Division
DEPT. OF MINES

Date August 17, 1984
Operator's Well No. 4
Farm Kate Nixon
API No. 47 - 087 - 2677-DD

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

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

LOCATION: Elevation: 1298 Watershed Right Fork of Big Sandy
District: Geary County Roane Quadrangle Newton 7.5'

COMPANY Pennzoil Company
ADDRESS P.O.Box 1588, Parkersburg, WV 26101
DESIGNATED AGENT James A. Crews
ADDRESS P.O.Box 1588, Parkersburg, WV 26101
SURFACE OWNER Aimee C. Nixon
ADDRESS 1165 Fairview Drive, York, Pa. 17403
MINERAL RIGHTS OWNER Same as Above
ADDRESS
OIL AND GAS INSPECTOR FOR THIS WORK Homer Dougherty
ADDRESS Linden Rt., Box 3-A, Looneyville, WV
PERMIT ISSUED 3-30-81
DRILLING COMMENCED 8-4-81
DRILLING COMPLETED 8-27-81

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			
7			
5 1/2			
4 1/2	2149.69	2149.69	Tension Pkr.
3			
2			
Liners used			

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

GEOLOGICAL TARGET FORMATION Big Injun & Squaw Depth 2176-2216 feet
Depth of completed well 2263 feet Rotary / Cable Tools X
Water strata depth: Fresh feet; Salt feet
Coal seam depths: Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Big Injun Pay zone depth 2176 feet
Gas: Initial open flow 4 Mcf/d Oil: Initial open flow 1/2 Bbl/d
Final open flow 4 Mcf/d Oil: Final open flow 1/2 Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure psig (surface measurement) after hours shut in
(If applicable due to multiple completion--)
Second producing formation Squaw Pay zone depth 2216 feet
Gas: Initial open flow 6 Mcf/d Oil: Initial open flow 3 Bbl/d
Final open flow 6 Mcf/d Oil: Final open flow 3 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)

ROANE 2677

09/15/2023

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

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OCT 16 1985

INSPECTOR'S WELL REPORT

Permit No. 087-2677-D-D

DIVISION OF OIL & GAS
Oil or Gas Well
DEPT. OF ENERGY

Company Pennzoil Co.
 Address Parkersburg, W. VA.
 Farm Aimee Nixon
 Well No. # 4
 District Seay County Roane
 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: 10-10-85 - Checked Reclamation - O.K. to release

10-10-85
DATE

Homer H. D...
091512023
DISTRICT WELL INSPECTOR

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: _____

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

09/15/2023
DISTRICT WELL INSPECTOR



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 DIVISION OF OIL AND GAS
 1615 Washington Street, East
 Charleston, West Virginia 25311
 Telephone: 348-3500

ARCH A. MOORE, JR.
 Governor

October 24, 1985

Pennzoil Company
 Post Office Box 1588
 Parkersburg, West Virginia 26101

In Re: Permit No: 47-087-2677-DD
 Farm: Aimee Nixon
 Well NO: 4
 District: Geary
 County: Roane
 Issued: 3-30-81

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 captioned permit number to the surety company that executed said bond in your behalf, in order that they may give you credit on their records.

 Your well record was received and reclamation requirements approved. In accordance with Chapter 22B, Article 1, Section 26, the above captioned well will remain under XXXX bond coverage for life of the well.

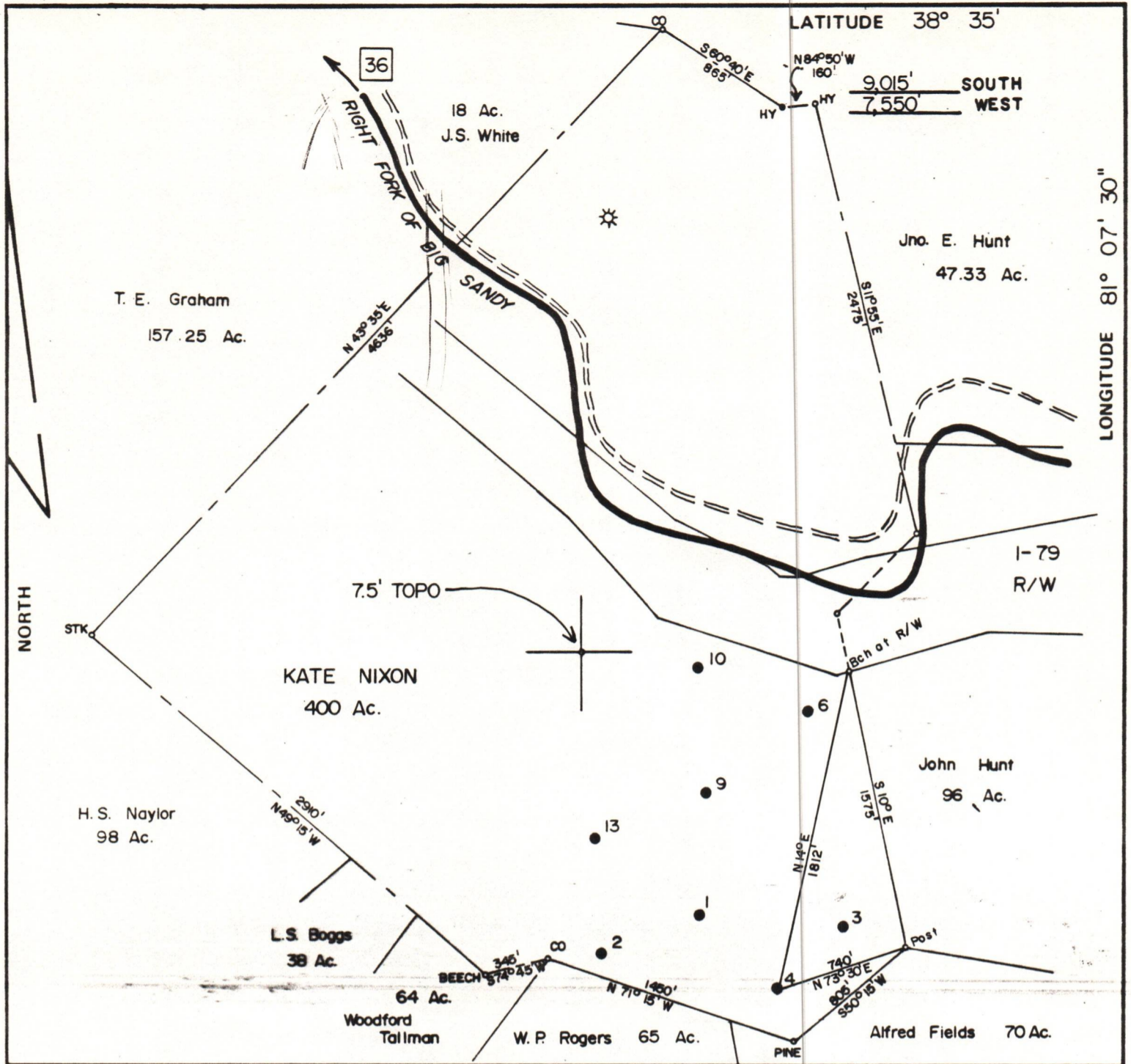
 PERMIT CANCELLED - NEVER DRILLED

Respectively,

Theodore M. Streit

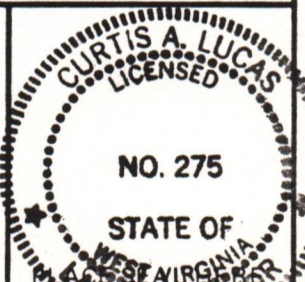
TMS/ nw

09/15/2023



FILE NO. 1374
 MAP 83 SQS60-61 W 32
 SCALE 1" = 800'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION Pennzoil Company Records

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) Curtis A. Lucas
CURTIS A. LUCAS LLS 275



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



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

DATE March 16
 FARM KATE NIXON NO. 4
 API WELL NO. 47-087-2677-00
 STATE WEST VIRGINIA COUNTY ROANE PERMIT 09/15/2023

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1298.00 WATER SHED Rt. Fork of Big Sandy
 DISTRICT Geary COUNTY Roane
 QUADRANGLE Newton 7.5'
 SURFACE OWNER Aimee C. Nixon ACREAGE 400
 OIL & GAS ROYALTY OWNER Aimee C. Nixon LEASE ACREAGE 400 LEASE NO. 77991-50
 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 Squaw ESTIMATED DEPTH 2208'
 WELL OPERATOR PENNZOIL COMPANY DESIGNATED AGENT JAMES A. CREWS
 ADDRESS P. O. BOX 1588 ADDRESS P. O. BOX 1588
PARKERSBURG, W. V. 26101 PARKERSBURG, W. V. 26101