

API # 47-093-0063

WELL NO. ~~11~~ #2 (GW-1939)

FARM United States of America

STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

DATE September 8, 19 82

OIL AND GAS WELL PERMIT

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

LOCATION: Elevation: 2289.99' GL Watershed: Hile Run of Horseshoe Run District: St. George County: Tucker Quadrangle: Lead Mine

WELL OPERATOR Cities Service Company DESIGNATED AGENT Paul D. Phillips Address P.O. Box 873 Charleston, WV 25323

OIL & GAS ROYALTY OWNER *Ruth M. Barrko COAL OPERATOR None Address *3350 S. Pickett Street Alexandria, VA 22304 **2107 Washington St., Apt. 3 Wilmington, DE

ACREAGE 1229.55 COAL OWNER(S) WITH DECLARATION ON RECORD: Name N/A

SURFACE OWNER U. S. Forest Service Address Monongohela National Forest Box 1548 Elkins, WV 26241

ACREAGE 1229.55 Name Address

FIELD SALE (IF MADE) TO: Name Address

Address

OIL & GAS INSPECTOR TO BE NOTIFIED Name Robert Stewart Address P.O. Box 345

Jane Lew, WV 26378 Phone: 884-7782

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease XX other contract / dated August 1, 19 52, to the undersigned well operator from United States of America

(If said deed, lease, or other contract has been recorded:) Recorded on, 19, in the office of the Clerk of the County Commission of Tucker County, West West, in Lease Book 5 at page 49. A permit is requested as follows:

PROPOSED WORK: Drill XX / 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

Cities Service Company Well Operator By Paul D. Phillips Its Region Operations Manager

12/22/2023

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) Unknown at this time

Address _____

GEOLOGICAL TARGET FORMATION, Silurian Tuscarora

Estimated depth of completed well, 9200 feet Rotary XX / Cable tools _____ /

Approximate water strata depths: Fresh, 250', 480' feet; salt, 6100 feet.

Approximate coal seam depths: and 1000'
None Is coal being mined in the area? Yes _____ / No XX /

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	20'	H-40	94	X		55'	55'	50 sacks	Kinds None anticipated
Fresh Water	13 ³ / ₈ "	K-55	68 61	X X		480' 1300'	480' 1300'	900 sacks	
Coal		K-55	40 & 36	X		3360'	3360'		Sizes
Intermediate	9 ⁵ / ₈ "	N-80 S-95	40 40	X X		5280' 6400'	5280' 6400'	250 sacks	
Production	5 ¹ / ₂ "	K-55 P-110	17 - 14 17	X		--	8380' 9200'	200 sacks	Depths set
Tubing	2 ⁷ / ₈ "	N-80	6.5	X		--	9100'	--	
Liners	None	anticipated.							Unknown at Perforations: this time.
									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 29,
ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY
APPROVED FOR drilling. THIS PERMIT SHALL EXPIRE
IF OPERATIONS HAVE NOT COMMENCED BY 5-15-83.
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

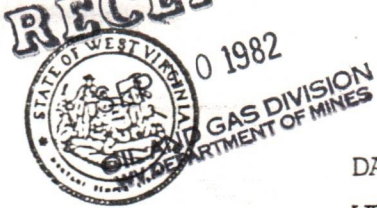
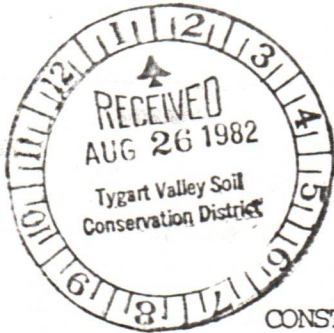
The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the 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.

12/22/2023

Date: _____, 19 _____

By _____
Its _____

IV-9
(Rev 8-81)



DATE August 23, 1982
WELL NO. GW-1939 U.S.A. 41
API NO. 47-093-0063

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Cities Service Company
Address Box 873, Charleston, WV 25323
Telephone 344-8383

DESIGNATED AGENT Harold Spencer
Address Box 7, Smithburg, WV 26436
Telephone 873-1411

LANDOWNER United States of America Tr. 245
U.S. Forest Service
Revegetation to be carried out by _____ (Agent)

SOIL CONS. DISTRICT Tygart Valley

This plan has been reviewed by Tygart Valley SCD. All corrections and additions become a part of this plan: 8-23-82 (Date)

Jessie Helrich
(SCD Agent)

ACCESS ROAD	LOCATION
Structure <u>Culverts</u> (A) Spacing <u>Min size 18" I.D. Max size 60" I.D.</u> Page Ref. Manual <u>2:5 (B:8)</u>	Structure <u>Diversion Ditch</u> (1) Material <u>Earthen</u> Page Ref. Manual <u>2-10</u>
Structure <u>Drainage Ditch</u> (B) Spacing <u>N/A</u> Page Ref. Manual <u>2-10</u>	Structure <u>Rip Rap</u> (2) Material <u>Rock</u> Page Ref. Manual <u>2-9</u>
Structure <u>N/A</u> (C) Spacing _____ Page Ref. Manual _____	Structure <u>N/A</u> (3) Material _____ Page Ref. Manual _____

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 2 Tons/acre
or correct to pH 6.5

Fertilizer 500 600 lbs/acre
(10-20-20 or equivalent)
5-10-10

Mulch Straw 2 1/2 Tons/acre

Seed* Ladino Clover 30 lbs/acre
Birds Foot Trefoil 10 lbs/acre
Kentucky Fescue 10 lbs/acre
Dom. Rye 10 lbs/acre

Treatment Area II

Lime 2 Tons/acre
or correct to pH 6.5

Fertilizer 500 600 lbs/acre
(10-20-20 or equivalent)
5-10-10

Mulch Straw 2 1/2 Tons/acre

Seed* Birds Foot Trefoil 10 lbs/acre
Ladino Clover 10 lbs/acre
Kentucky Fescue 30 1/2 lbs/acre
Dom. Rye 10 lbs/acre

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount. 12/22/2023

PLAN PREPARED BY Donald J. Gay

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

ADDRESS P. O. Box 873
Charleston, WV 25323
PHONE NO. 344-8383

IV-9 REVERSE
(REV 8-81)

RECEIVED
OIL AND GAS DIVISION
DEPARTMENT OF MINES
SEP 10 1985

ATTACH OR PHOTOCOPY SECTION OF
INVOLVED TOPOGRAPHIC MAP.
QUADRANGLE Lead Mine 7 1/2"

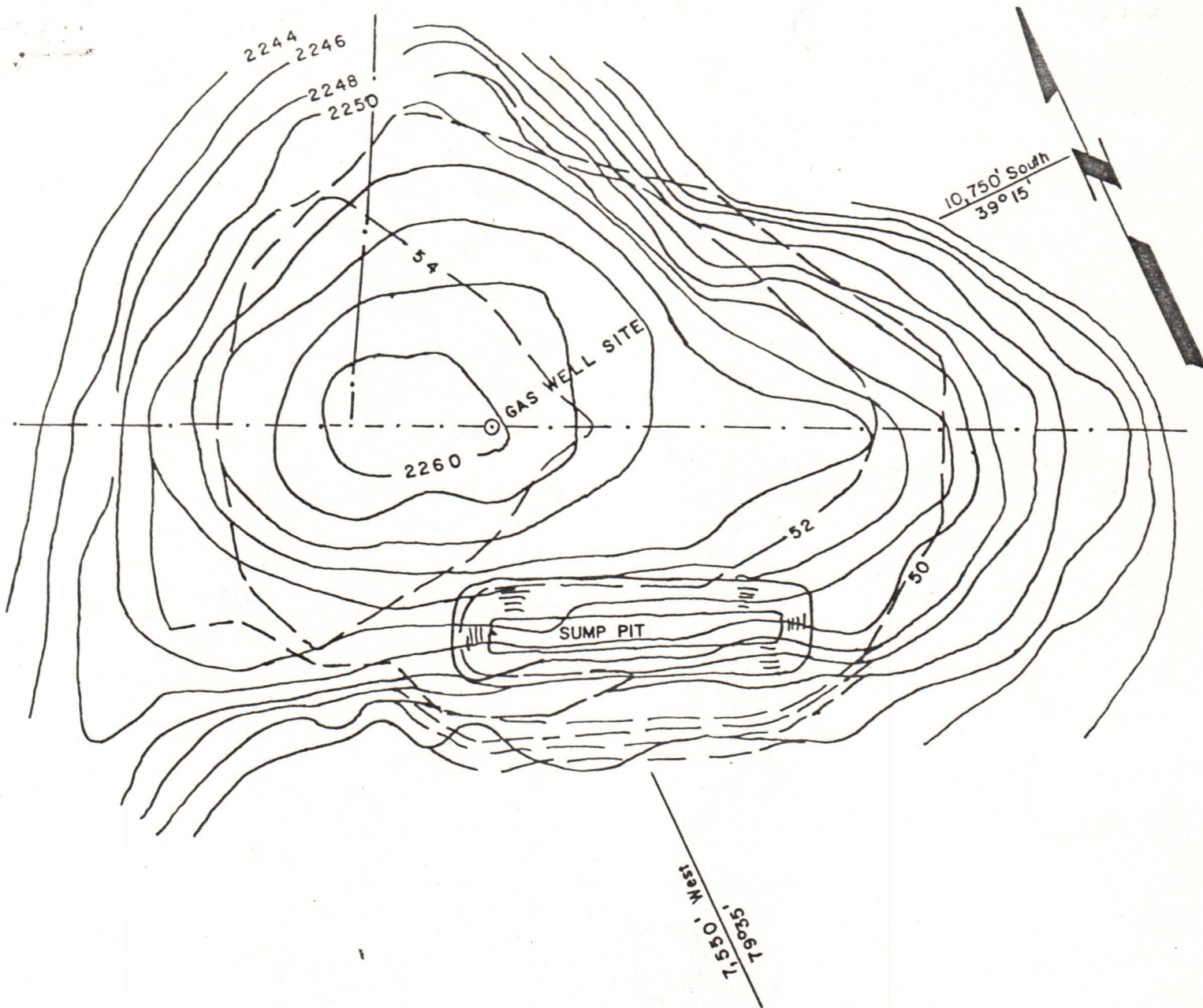
LEGEND

Well Site ⊕

Access Road —



12/22/2023



CITIES SERVICE COMPANY
GAS WELL NO. T-2
 ST. GEORGE DISTRICT, TUCKER COUNTY
 WEST VIRGINIA

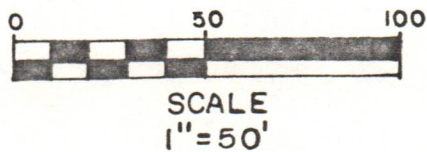
SITE DEVELOPMENT PLAN

PREPARED BY
WEST AUGUSTA COMPANY

TECHNICAL SERVICES
 ELKINS, WEST VIRGINIA

JULY 1982

12/22/2023



DRILLING CONTRACTOR
Cubby Drilling Company

STATE OF WEST VIRGINIA
LIQUID INJECTION OR WASTE DISPOSAL WELL PERMIT APPLICATION

For Both

DEPT. OF MINES, OFFICE OF OIL AND GAS, DNR, DIVISION OF WATER RESOURCES

6) WELL TYPE: Liquid Injection ___ / Temporary Disposal X / Gas Injection ___ /
7) LOCATION: Elevation 2289.99' Watershed Hile Run of Horseshoe Run
District St. George County Tucker Quadrangle Lead Mine

8) WELL OPERATOR Cities Service Oil & Gas Company 12) DESIGNATED AGENT Paul D. Phillips
Address P.O. Box 873 Address P.O. Box 873
Charleston, WV 25323 Charleston, WV 25323

9) ROYALTY OWNER 1) United States of America, BLM 13) COAL OPERATOR None
2) Ruth M. Barrko Address _____
Address 1) 3350 S. Pickett Street
Alexandria, VA 22304
2) 2107 Washington St. Apt. 3
Wilmington, DE

Acreage 1229.55

10) SURFACE OWNER U.S. Forest Service
Address Monongahela National Forest
P.O. Box 1548
Elkins, WV 26241

Acreage 1229.55

11) OIL AND GAS INSPECTOR TO BE NOTIFIED BEFORE DRILLING, AND 24 HOURS IN ADVANCE OF ANY MECHANICAL INTEGRITY TEST

Name Robert Stewart
Address P.O. Box 345
Jane Lew, WV 26378

14) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name N/A
Address _____
Name _____
Address _____
RECEIVED
APR 8 1983
OIL & GAS DIVISION
DEPT. OF MINES

15) COAL LESSEE WITH DECLARATION ON RECORD:
Name N/A
Address _____

16) The undersigned well operator is entitled to operate for liquid injection or waste disposal purposes at the above location under a deed ___ / lease X / other contract ___ / dated August 1, 1952, to the undersigned well operator from United States of America (If said deed, lease, or other contract has been recorded:)
Recorded on _____, 19____, in the office of the Clerk of the County Commission of Tucker County, West Virginia, in Lease Book 5 at page 49. A permit is requested as follows:

17) PROPOSED WORK: Convert ___ / Drill ___ / Drill deeper ___ / Fracture or stimulate ___ / Plug off old formation ___ / Other physical change in well (specify) Inject drilling & treatment fluids into the Huntersville Chert before P & A well.
18) Date of first liquid injection or waste disposal: April 11, 1983.

PROPOSED WORK ORDER
THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-37 UPON COMPLETION

19) Estimated depth of completed well 9544 feet Rotary X / Cable tools ___ /
20) Approximate water strata depths: Fresh 105'-349 feet; salt 6860-93' feet.
21) Approximate coal seam depths: None Is coal being mined in the area? Yes ___ / No X /
22) GEOLOGICAL TARGET FORMATION Huntersville Chert Depth ___ feet (top) to ___ feet (bottom)
a) Virgin reservoir pressure in target formation 0 psig; Source _____
b) Estimated reservoir fracture pressure 50 psig (BHFP)
c) Perforation intervals 5754'-80' Open-hole intervals None

23) MAXIMUM PROPOSED INJECTION OPERATIONS
Volume per hour: 60 Bbl. Bottom hole pressure: 3500 **12/22/2023** psig

24) DETAILED IDENTIFICATION OF MATERIALS TO BE INJECTED - PLUS ADDITIVES
KCl water surfactants and completion fluids containing acid and gelled water.

25) SPECIFICATION FOR CATHODIC PROTECTION AND OTHER CORROSION CONTROL None

26) FILTERS (IF ANY) None

27) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	20"	A	94	X		78'	78'	100 sx	Kinds
Surface Fresh water	13-3/8"	A	61 & 68	X		1299'	1299'	950 sx	None
Coal									Sizes
Intermediate									
Production	9-5/8"	A	40	X		6233'	6233'	480 sx	Depths set
Tubing	7/8"	A	6.5	X		5770'		None	Above Injection zone
Liners									Perforations
									Top Bottom
									5754'-80'

28) Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed 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.

The person signing this document shall make the following certification:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Cities Service Oil & Gas Company
Well Operator

By Paul D. Phillips
Its Region Operations Manager

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.

Date: _____, 19____.

By: _____

Its _____

OFFICE USE ONLY

PERMIT

Permit number 093-0063 (Disposal)

April 13 19 83
Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector prior to the construction of roads, locations and pits for any permitted work. (Refer to No. 10)

In addition, the well operator or his contractor shall notify the proper District Oil and gas inspector 24 hours before actual permitted work has commenced.

12/22/2023

Permit expires December 13, 1983 unless work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing:	Fee:
Blanket	O.C. n.g.	MJ	MJ	N/A

Fred Burdett
Administrator, Office of Oil and Gas



STATE OF WEST VIRGINIA
OIL AND GAS CONSERVATION COMMISSION
CHARLESTON 25305

September 15, 1982

Mr. Theodore M. Streit, Administrator
Department of Mines
Office of Oil and Gas

RE: APPLICATION FOR PERMIT #47- 093 - 0063 TO DRILL DEEP WELL

COMPANY: CITIES SERVICE COMPANY

FARM: U. S. FOREST SERVICE

COUNTY: TUCKER DISTRICT: ST. GEORGE

The application of the above company is APPROVED FOR TUSCARORA COMPLETION
(APPROVED - DISAPPROVED)

Applicant HAS complied with the provisions of Chapter twenty-two, Article
HAS - HAS NOT
four-a, (§22-4A), of the Code of West Virginia, nineteen hundred and thirty-one (19
as amended, Oil and Gas Conservation Commission, as follows:

1. *Provided a certified copy of duly acknowledged and recorded consent and easement from all surface owners; Yes*
2. *Provided a tabulation of all deep wells within one mile of the proposed location, including the API number of the deep well, well name, and the name and address of the operator, and, None*
3. *Provided a plat showing that the proposed location is a distance of 1659 feet from the nearest unit boundary and showing the following wells drilling to or capable of producing from the objective formation within 3000 feet of the proposed location: None*

Very truly yours,

Thomas E. Huzzey
Commissioner

12/22/2023



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

September 10, 1982

TO: Cities Service Company

FROM: Oil & Gas Division

RE: Permits being held in lieu of Affidavit
County Tucker Farm U. S. of America Well no. "I" #2. (GW-1939)

Gentlemen:

The above captioned permits are being held until we receive the affidavit for flat well royalty leases. If this does not apply, please mark NO and return.

This House Bill 1254, went into effect June 11, 1982.

New applications (IV-2's) are in the process of being printed which will alleviate these affidavits.

Please return the letters or affidavits immediately so your permit or permits can be processed. Also, please return this form letter with your affidavit.

Sincerely,

Mike Lewis

Mike Lewis
Draftsman, Office of Oil and Gas

ML./mmy

RECEIVED

SEP 15 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

12/22/2023



CITIES SERVICE COMPANY
ENERGY RESOURCES GROUP

Box 873
Charleston, West Va. 25323
(304) 344-8383

September 14, 1982

Mr. Mike Lewis
State of West Virginia
Department of Mines
Oil and Gas Division
Charleston, WV 25305

Re: Permit being held for statement concerning flat rate royalty.
Tucker County, USA "T" #2, GW 1939

41

Dear Sir:

The right to extract, produce, or market the oil and gas from the above captioned well is not based upon a lease or leases or other continuing contract or contracts providing for flat well royalty or other similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil and gas so extracted or marketed.

Sincerely,

Paul D. Phillips
Region Operations Manager

PDP/tlh

Attachment

RECEIVED

SEP 15 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

12/22/2023

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

Well drilled to TD of 9594' and plugged back to 5849'. Perforated Huntersville Chert from 5754'-5780' w/26 shots. Broke down Chert w/48 bbls 20% acid and fraced w/1010 bbls of 40# gel/1000 gal. wtr. and 3% HCl. Used total 44,000# 80/100, & 35,000# 20/40 sand.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Shale			0	300	
Shaley Sand			300	1150	
Shale			1150	1700	
Silty Shale			1700	2500	
Shale			2500	3200	
Silty Shale			3200	4800	
Shale			4800	5720	
Huntersville Chert			5720	5950	
Oriskany			5950	6000	
Helderberg			6000	6770	
Lockport			6770	8260	
Rose Hill Shale			8260	9020	
Upper Tuscarora			9020	9240	
Lower Tuscarora			9240	9594	

(Attach separate sheets as necessary)

Cities Service Oil & Gas Corporation
Well Operator

By: Donald J. Bay
Date: April 21, 1983

12/22/2023

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."

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

RECEIVED

DEC - 7 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 093-0063

Oil or Gas Well GAS
(KIND)

Company <u>Cities Service Co</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address <u>CHARLESTON</u>	Size			
Farm <u>U.S. FOREST SERVICE</u>	16			Kind of Packer
Well No. <u>J#2 G.W. 1939</u>	13			
District <u>ST. GEORGE</u> County <u>TUCKER</u>	10			Size of
Drilling commenced <u>10-25-82</u>	8 1/4			
Drilling completed _____ Total depth _____	6 5/8			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 CUBBY DR/6 RIG -7

Remarks:
DRILLING @ 4600
BUILDING ADDITIONAL PIT

12-3-82
DATE

Robert Stewart 12/22/2023
DISTRICT WELL INSPECTOR

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

RECEIVED

JAN 10 1983

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 093-0063

Oil or Gas Well _____
(KIND)

Company <u>Cities Service</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address <u>CHARLESTON</u>	Size			
Farm <u>W.S. FORREST SERVICE</u>	16			Kind of Packer _____
Well No. <u>T#2 GW 1939</u>	13			
District <u>ST. GEORGE</u> County <u>TUCKER</u>	10			Size of _____
Drilling commenced <u>10-25-82</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 _____ bbla., 1st 24 hrs.				
Fresh water _____ feet _____ feet				
Salt water _____ feet _____ feet				

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 CUBBY DRIG RIG - 7

Remarks:

DRILLING @ 7550 90 DEVIATION

1-6-83

DATE

Robert Stewart 12/22/2023
DISTRICT WELL INSPECTOR

Form 26
2/16/82

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

RECEIVED

FEB 23 1983

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S PLUGGING REPORT

Permit No. 093-0063-PP

Well No. T-2 GW 1939

COMPANY CITIES SERVICE ADDRESS CHARLESTON

FARM V.S. FORREST SR DISTRICT ST. GEORGE COUNTY TUCKER

Filling Material Used Cement & AQUEGEL

Liner			Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES			CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION			RECOVERED	SIZE	LOST
Cement	9594	9494						
Gel	9494	6285						
Cement	6285	6185						
Set STINGER in 9 5/8								
Cement	6185	5912						
Will Test Zone @ 5700								

Drillers' Names CUBBY DRILLING RIG - 7
HALLIBURTON

Remarks:
Will move Rig OFF & Test Zone
Bottom of 9 5/8" CSG AT 6235
T.D. 9594 - 2 1/2° Deviation

2-21-83
DATE

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

Robert Stewart 12/22/2023
DISTRICT WELL INSPECTOR

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

INSPECTOR'S WELL REPORT

Permit No. _____

Oil or Gas Well _____
(KIND)

Company _____ Address _____ Farm _____ Well No. _____ District _____ County _____ 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			Kind of Packer _____
	16			
	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: _____

DATE _____

12/22/2023

DISTRICT WELL INSPECTOR

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

INSPECTOR'S WELL REPORT

Permit No. _____

Oil or Gas Well _____
(KIND)

Company _____
 Address _____
 Farm _____
 Well No. _____
 District _____ County _____
 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: _____

DATE _____

12/22/2023

DISTRICT WELL INSPECTOR

PROPOSED MANNER OF PLUGGING AND FILLING WELL

(REQUIRED BY RULES AND REGULATIONS)

WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS DIVISION

WORK ORDER

Well to be plugged and filled as follows: GW-1939, USA "U" #1 - Plugback

1. Run in hole with drill pipe open ended.
2. Mixed gel and spotted 200 bbl. 4% CaCl and 6% gel followed by 75 sacks class A cement with 18% NaCl, 3/4% CFR-2 from 9050' to 8900'. (Cement 15.9 ppg, yield 1.22 cu.ft./sack)
3. Pulled out of hole.
4. Run in hole with cement retainer and set at 6185'.
5. Established injection rate and pumped 150 sacks class A cement with 18% NaCl and 3/4% CFR-2.
6. Stung into retainer, squeezed 9-5/8" casing shoe with 100 sacks.
7. Stung out of retainer and dumped 50 sacks on top of retainer.
8. Pulled 3 stands of drill pipe, up to 5912'.
9. Reverse circulated 100 bbl. 4% KCl water and 6 bbl. cement.
10. Pull out of hole, laid down drill pipe. Plugback TD 5912'.

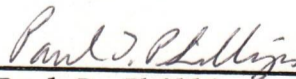
To the Department of Mines
Coal Owner or Operator,
Lease or Property Owner.

IF PARTIAL PLUGGING
PLEASE SUBMIT REVISED WELL RECORD
WHEN WORK IS COMPLETED.

Gentlemen:

This "work order" is submitted for your approval and concurrence and unless notified of your disapproval or non-concurrence, the undersigned will proceed with the plugging and filling of said well in the above described manner on the date inspector is notified after permit is issued.

Very truly yours,



Paul D. Phillips

Well Operator

Region Operations Manager, CITIES SERVICE COMPANY

No objections have been filed by the coal owner or coal operator, or any available adjacent lease or property owners or interposed by the Department of Mines to the manner herein described for the plugging and filling of the well above mentioned. Therefore, the same is hereby approved this

24th. day of February, 1983.

12/22/2023

DEPARTMENT OF MINES
Oil and Gas Division

By: 

NOTE: This "work order" shall be filed in triplicate, one copy for the files of the Department of Mines; one to be approved or corrected and returned to the well operator as his authority for plugging said well; and one for the well inspector.

RECEIVED

APR 21 1983

FORM OG-8

OIL & GAS DIVISION
DEPT. OF MINES

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL- Plugback

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

None
COAL OPERATOR OR OWNER

----- Cities Service Oil & Gas Corporation
NAME OF WELL OPERATOR

----- P. O. Box 873, Charleston, WV 25323
COMPLETE ADDRESS

----- N/A
COAL OPERATOR OR OWNER

----- April 20, 1983
WELL AND LOCATION

----- St. George
District

----- Tucker
County

United States of America/Ruth M. Barrko
3350 S. Pickett St. 2107 Washington St. Apt 3
Alexandria, VA 22304 Wilmington, DE 19802
Well No. "U" #1 (GW-1939)

United States of America
Monongahela National Forest
Farm

STATE INSPECTOR SUPERVISING PLUGGING Robert Stewart

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Tucker } SS:

Hamida Neghmouche and
being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Cities Service Oil & Gas Corporation well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 21st day of February, 1983, and that the well was plugged and filled in the following manner:

BAND OR ZONE RECORD FORMATION	FILLING MATERIAL	PLUGS USED SIZE & KIND	CASING	
			CSG PULLED	CSG LEFT IN
	200 bbls 4% CaCl, 6% gel and 75 sx class A w/18% NaCl and 3/4% CFR-2 From 9050-8900'			
	150 sx class A w/18% NaCl and 3/4% CFR-2, squeeze 100 sx @ csg. shoe, dumped 50 sx on top RTNR. Total - 22 bbl cmt. PBD 5849'	Cmt. Retainer @6185'		9-5/8" set @6234'
COAL SEAMS				
(NAME)			DESCRIPTION OF MONUMENT	
(NAME)				
(NAME)				
(NAME)				

and that the work of plugging and filling said well was completed on the 21st day of February, 1983.

And further deponents saith not.

Hamida Neghmouche 12/22/2023

Sworn to and subscribed before me this 20 day of April, 1983.

Commissioner Notary Public

My commission expires:

June 11, 1989

Commissioner Notary Public

Permit No. 093-0063-PP

TUCKER 0063-PP

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
FINAL INSPECTION REQUEST
INSPECTOR'S COMPLIANCE REPORT

RECEIVED
 NOV 28 1983
 OIL & GAS DIVISION
 DEPT. OF MINES

Permit No. 093-0063-P County Sussex
 Company Citeis Services Co. Farm U.S. Ferrist Service
 Inspector Phillip Tracy Well No. T#2 G.W. 1939
 Date 11-18-83

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: _____

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: Phillip Tracy
 DATE: 11-18-83

12/22/2023

RECEIVED

NOV 2 3 1960

OFFICE DIVISION

DEPT. OF MINES

12/22/2023



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

WALTER N. MILLER
DIRECTOR

THEODORE M. STREIT
ADMINISTRATOR

January 4, 1984

Cities Service Oil & Gas Corporation
P. O. Box 873
Charleston, W. Va. 25323

In Re: PERMIT NO: 47-093-0063-PP-P
FARM: United States of America
WELL NO: "U" #1 (GW-1939)
DISTRICT: St. George
COUNTY Tucker

Gentlemen:

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

XXXXXXX 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.

_____ 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/RL

12/22/2023



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

RECEIVED
APR 18 1983

OIL & GAS DIVISION
DEPT. OF MINES

NOTICE OF INTENTION TO PLUG AND ABANDON WELL

(REQUIRED BY SECTION 9, ARTICLE 4, CHAPTER 22 OF THE CODE)

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

N/A
Coal Operator

Cities Service Oil & Gas Corporation
Name of Well Operator

Address

P. O. Box 873, Charleston, WV 25323
Complete Address

N/A
Coal Owner

April 15, 1983
Date

WELL TO BE ABANDONED

Address

St. George District

Tucker County

United States of America/Ruth M. Barrko
Lease or Property Owner

Well No. "U" #1 (GW-1939)

3350 S. Pickett St. 2107 Washington St-Apt. 3
Alexandria, VA 22304 Wilmington, DE 19802

Monongahelia National Forest Farm
"United States of America"

Inspector Robert Stewart P. O. Box 345, Jane Lew, WV 26378 Telephone 884-7782

TO BE NOTIFIED 24 HOURS IN ADVANCE OF PLUGGING OPERATIONS

Gentlemen:—

The undersigned well operator is about to abandon the above described well and will commence

April 15, 1983

the work of plugging and abandoning said well on the date inspector is notified (which date shall not be less than five days after the day on which this notice so mailed is received, or in due course should be received by the Department of Mines).

This notice is given you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not represented the undersigned will proceed on that date, or shortly thereafter, to plug and fill said well in the manner required by Section 10, Article 4, Chapter 22 of the Code and given in detail on the reverse side of this notice, in "Work Order."

This notice is being mailed by registered mail to each of you at the above addresses on the above date.

Very truly yours,

Paul D. Phillips

Paul D. Phillips Well Operator
Region Operations Manager

CITIES SERVICE OIL & GAS CORPORATION

NOTE: Upon the abandonment of any well drilled prior to June 1, 1929, a plat prepared by a registered engineer, shall be filed with THREE COPIES OF APPLICATION, (OG-9) AND "WORK ORDER" AND TWO COPIES OF THE WELL RECORD, (OG-10). The map must show the district and county in which the tract of land is located, the name and acreage of same, the name or names of the owners and names of adjacent tracts and the location of the well to be abandoned, determined by survey with the courses and distances of such well from two permanent points or landmarks on said tract, in compliance with Rule 5 of the Rules and Regulations.

NOTE: In case plugging is not commenced within four months from the date of permit, same shall expire and be of no further force or effect.

NOTE: PERMIT IS NON TRANSFERABLE.

BLANKET BOND

47-093-0063-PP-P

Permit Number

12/22/2023

PROPOSED MANNER OF PLUGGING AND FILLING WELL

(REQUIRED BY RULES AND REGULATIONS)

WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS DIVISION

WORK ORDER

Well to be plugged and filled as follows:

1. Run in hole with 2-7/8" tbg. to 5800'.
2. Mix and pump 350 bbl. 8% gel, followed by 59 sxs. of regular class A cement to seal off 9-5/8" casing from 5800' to 5650'. Displace with 8% gel.
3. Pull tbg. out of hole, laying down 1500'.
4. Nipple down BOP stack and wellhead.
5. Run freepoint survey and determine freepoint of 9-5/8" casing. Run in hole and cut casing with an 8" jet casing cutter.
6. Pull the 9-5/8" casing out of the hole.
7. Run in hole with tbg. 75' into cut off 9-5/8" casing.
8. Pump 50 bbl. of 8% gel and spot 116 sxs. of regular class A cement. (150' plug) Displace with 8% gel.
9. Pull tbg. up to 1375', laying down remainder of tbg.
10. Circulate hole with 8% gel and spot 158 sxs. of regular class A cement. (75' plug into surface casing, 150' plug overall) Displace with 8% gel.
11. Pull tbg. to 60', laying down remainder of tbg.
12. Cement to surface with 31 sxs. of regular class A cement. (40' plug) Pulled tbg. out of hole and top fill remainder of 13-3/8" casing.
13. Erect monument.
14. Rig down, move out drilling rig and reclaim location.

To the Department of Mines
Coal Owner or Operator,
Lease or Property Owner.

IF PARTIAL PLUGGING
PLEASE SUBMIT REVISED WELL RECORD
WHEN WORK IS COMPLETED.

Gentlemen:

This "work order" is submitted for your approval and concurrence and unless notified of your disapproval or non-concurrence, the undersigned will proceed with the plugging and filling of said well in the above described manner on the date inspector is notified after permit is issued.

Very truly yours,

Paul D. Phillips

Paul D. Phillips
Region Operations Manager, Well Operator
CITIES SVC. O&G CORP.

No objections have been filed by the coal owner or coal operator, or any available adjacent lease or property owners or interposed by the Department of Mines to the manner herein described for the plugging and filling of the well above mentioned. Therefore, the same is hereby approved this

20th day of April, 19 83

DEPARTMENT OF MINES
Oil and Gas Division

By: *John D. ...*

12/22/2023

NOTE: This "work order" shall be filed in triplicate, one copy for the files of the Department of Mines; one to be approved or corrected and returned to the well operator as his authority for plugging said well; and one for the well inspector.

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

RECEIVED
MAY 9 - 1983

OIL & GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL DEPT. OF MINES

AFFIDAVIT SHOULD BE MADE IN TRIPPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

N/A
COAL OPERATOR OR OWNER
ADDRESS
N/A
COAL OPERATOR OR OWNER
ADDRESS

Cities Service Oil & Gas Corporation
NAME OF WELL OPERATOR
Box 873, Charleston, WV 25323
COMPLETE ADDRESS
United States of America 19 83
WELL AND LOCATION
St. George District
Tucker County

United States of America/Ruth M. Barrko
LEASE OR PROPERTY OWNER
3350 S. Pickett St. / Apt 3
Alexandria, VA 22304

Well No. "U" #1 (GW-1939)
Monongahelia National Forest
"United States of America" Farm

STATE INSPECTOR SUPERVISING PLUGGING Robert Stewert

AFFIDAVIT

STATE OF WEST VIRGINIA,

County of Tucker

SS:

Blaine W. Minney and Cubby Drilling, Inc.

being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Cities Service Oil & Gas Corporation well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 27th day of April, 1983, and that the well was plugged and filled in the following manner:

BAND OR ZONE RECORD FORMATION	FILLING MATERIAL	PLUGS USED SIZE & KIND	CASING	
			CSG PULLED	CSG LEFT IN
Huntersville Chert	Bentonite Gel	60 sxs 166'	1287	4946' 9-5/8"
Devonian Shale	Bentonite Gel	110 sxs 200'		1299' 13-3/8"
Surface	Bentonite Gel	110 sxs 155'		78' 20"
COAL SEAMS			DESCRIPTION OF MONUMENT	
(NAME)			8' Joint of 7" casing	
(NAME)			GW-1939	
(NAME)			Cities Service Oil & Gas Corporation	
(NAME)			47-093-0063 - Erect monument as perscribed	

RECEIVED
MAY 23 1983
OIL & GAS DIVISION
DEPT. OF MINES

and that the work of plugging and filling said well was completed on the 27th day of April, 1983.

And further deponents saith not.

Sworn to and subscribed before me this 27 day of April, 1983

My commission expires:

June 1, 1989

Blaine W. Minney
Thomas M. Miller
James J. Bay
Notary Public.

Permit No. 47-093-0063 P.P.P

TUCKER - 0063-PP-P



CITIES SERVICE COMPANY
ENERGY RESOURCES GROUP

Box 873
Charleston, West Va. 25323
(304) 344-8383

September 21, 1982

Mr. Theodore M. Streit, Administrator
W. Va. Department of Mines (Oil & Gas Div.)
1613 Washington Street, East
Charleston, WV 25311

RE: Redesignated U.S.A. "T" #2, GW-1939
Tucker County, West Virginia (47-093-0063)

Dear Mr. Streit:

Please be advised that the U.S.A. "T" #2 well, located in the
aforementioned area has been redesignated, and will be called the
U.S.A. "U" #1 instead. The GW number will remain the same.

Please correct your record to reflect the change.

Sincerely yours,

Paul D. Phillips
Region Operations Manager

PDP/DJG/ldk

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SEP 22 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

12/22/2023



CITIES SERVICE COMPANY
ENERGY RESOURCES GROUP

Box 873
Charleston, West Va. 25323
(304) 344-8383

October 01, 1982

Tucker-63

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OCT 7 - 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

Mr. U. J. Parikh
Petroleum Engineer
Mineral Management Service
6023 Guion Road, Suite 202
Indianapolis, IN 46254

RE: U.S.A. "U" #1
Tract 245 Monongahela National Forest
Tucker County, West Virginia

Dear Mr. Parikh:

This letter will confirm yesterday's telephone conversation during which you verbally approved the drilling of a water well on the subject well site. I also received verbal approvals from Mr. Robert Stewart, Tucker County Oil and Gas Inspector, and Mr. Jim Grafton, Assistant Ranger/United States Forest Service.

The water well will be drilled within the boundary of our drilling pad soon after it is completed and the well will be plugged upon completion of our operations.

If you have any questions, please feel free to contact me.

Yours Truly,

Edward J. Chesny, Jr.
Senior Engineer

EJCJ/tlh

cc: Mr. Paul D. Phillips
Mr. William L. Smith
Mr. Donald J. Gay
Mr. Jim Grafton - Asst. Ranger/US Forest Svc.
Mr. Robert Stewart - State Oil & Gas Inspector
Office of Oil & Gas - Dept. of Mines

THIS COPY FOR

12/22/2023

RECEIVED

1983

OIL AND GAS DIVISION
DEPARTMENT OF REVENUE

12/22/2023



CITIES SERVICE COMPANY
ENERGY RESOURCES GROUP

Box 873
Charleston, West Va. 25323
(304) 344-8383

RECEIVED

FEB 24 1983

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

February 23, 1983

~~NEED WELL RECORD~~

Mr. Theodore M. Streit, Administrator
Office of Oil & Gas
Department of Mines
1615 Washington St., East
Charleston, WV 25311

Re: 47-093-0063
USA "U" #1 (GW-1939)
Tucker County, WV

Dear Mr. Streit:

Attached are the original and two copies of Notice of Intention to Plug and Abandon of our GW-1939, United States of America "U" #1 well, located in St. George District, Tucker County, West Virginia.

Would you please issue a partial plugback permit.

Very truly yours,

Paul D. Phillips

Paul D. Phillips
Region Operations Manager

PDP/DJG/tlh

12/22/2023



STATE OF WEST VIRGINIA
DEPARTMENT OF NATURAL RESOURCES
CHARLESTON 25306

JOHN D. ROCKEFELLER IV
Governor

Division of Water Resources
1201 Greenbrier Street
Charleston, West Virginia 25311
(304) 348-5935

DAVID C. CALLAGHAN
Director
WILLIS H. HERTIG, JR.
Deputy Director
BRENT T. WAHLQUIST
Deputy Director

April 12, 1983

Mr. Michael W. Lewis, Engineer
Department of Mines, Office of Oil and Gas
1613 Washington Street, East
Charleston, West Virginia

Dear Mike:

With regard to Cities Service Oil and Gas Company's submission of application form IV-3 to your office requesting that API Well No. 047-093-0063 be converted into an injection well, we feel that the proposed operation reasonably assures that it will not be detrimental to underground sources of drinking water. However, it must be understood that this is a one time injection of approximately 1,000 bbls. of pit waste prior to plugging the well and that the bottom hole pressure during injection shall be maintained below the formation breakdown pressure. We appreciate this opportunity to review and comment on the information submitted on this application form.

Sincerely,

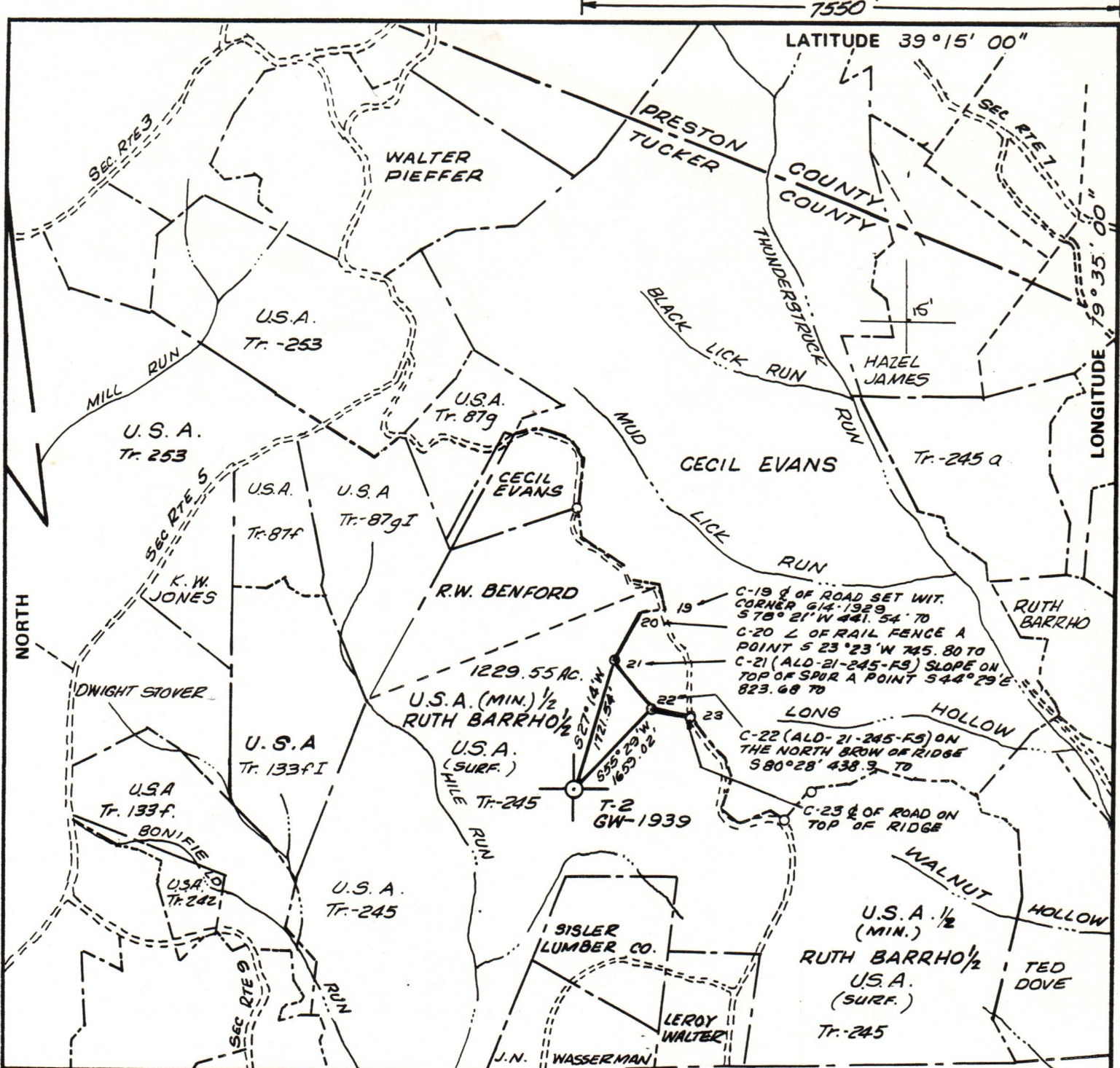
WATER RESOURCES DIVISION

A handwritten signature in cursive script that reads "Mark A. Nelson".

Mark A. Nelson
Geologist
Underground Injection Control Program

MAN/cb

12/22/2023



FILE NO. _____
 DRAWING NO. W-4-82
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION HIGH PT. ON RIDGE
AT PROPERTY CORNER #23
EL. 2507.00

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) Donald J. Bay
 R.P.E. _____ L.L.S. 247

PLACE SEAL HERE

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

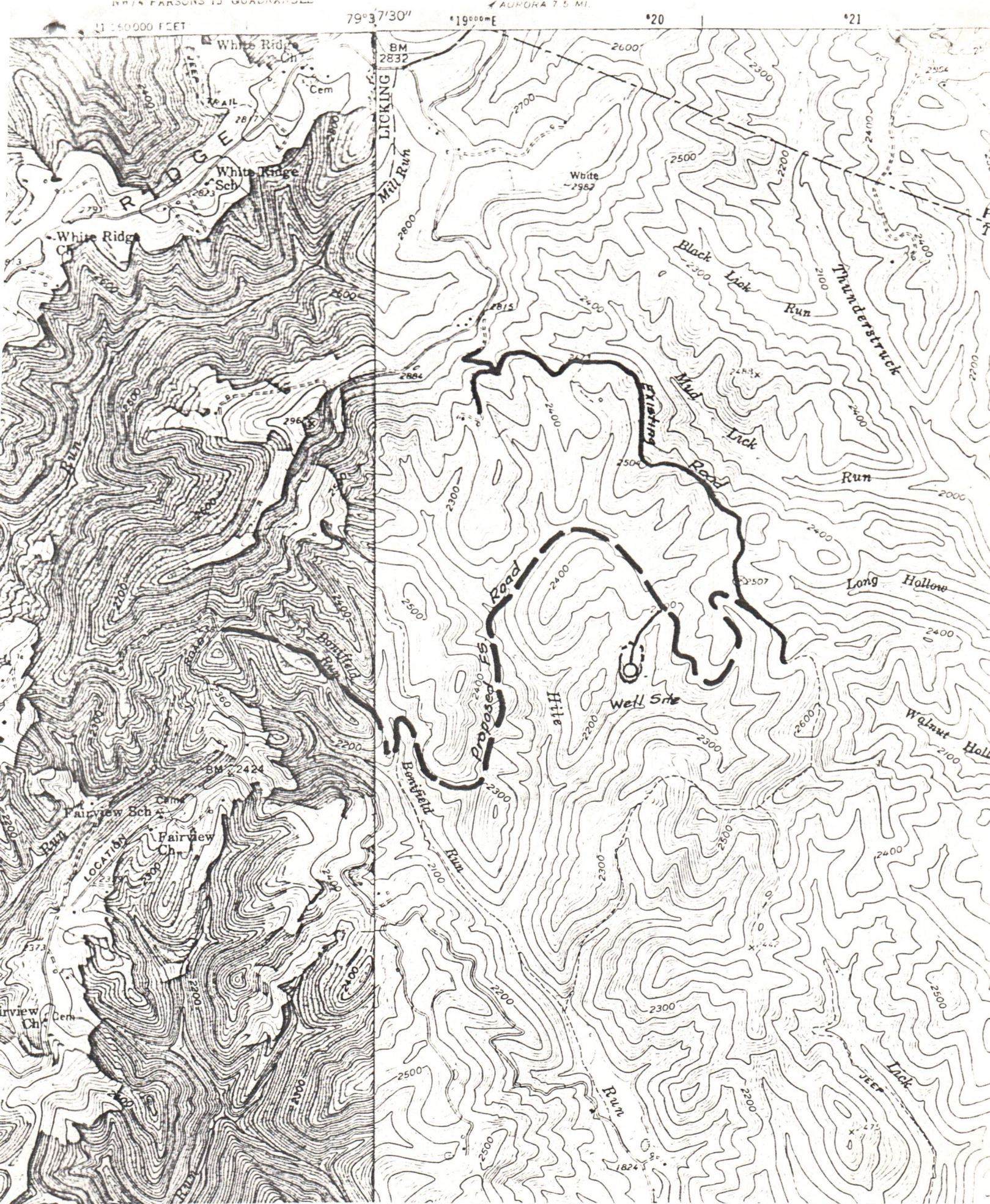


DATE JULY 15, 19 82
 OPERATOR'S WELL NO. T-2, GW-1939
 API WELL NO. _____
47 - 093 - 0063
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP X SHALLOW ___
 LOCATION: ELEVATION 2289.99 WATER SHED HILE RUN OF HORSESHOE RUN
 DISTRICT ST. GEORGE COUNTY TUCKER
 QUADRANGLE LEAD MINE 7 1/2'
 SURFACE OWNER U.S.A. ACREAGE 1229.55
 OIL & GAS ROYALTY OWNER U.S.A., RUTH BARRHO 1/2 LEASE ACREAGE 1229.55
 LEASE NO. 342 - 3038/342
 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 TUSCARORA ESTIMATED DEPTH 9,200'
 WELL OPERATOR CITIES SERVICE CO. DESIGNATED AGENT PAUL D. PHILLIPS
 ADDRESS P.O. Bx. 873, CHARLESTON WV. 25323 ADDRESS P.O. Bx 873, CHARLESTON WV 25323

TUCKER 0063 F



12/22/2023