



1) Date: July 10, 1984  
 2) Operator's Well No. Dickinson #3  
 3) API Well No. 47 085 - 7099  
 State County Permit

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES, OIL AND GAS DIVISION  
 APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil  / Gas   
 B (If "Gas", Production  / Underground storage  / Deep  / Shallow )
- 5) LOCATION: Elevation: ~~1075~~ 1025 Watershed: Beaver Run LKH 100  
 District: Grant 2 County: Petche Quadrangle: Paris 275
- 6) WELL OPERATOR: Western Reserve Drilling Ltd. DESIGNATED AGENT D.E. Spencer  
 Address 9845 Emerson Ave. 53025 Address same  
Parkersburg, W. Va. 26101
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Sam Hessman  
 Address P.O. Box 66  
Smithville, W. Va. 26178
- 9) DRILLING CONTRACTOR: Name unknown  
 Address \_\_\_\_\_
- 10) PROPOSED WELL WORK: Drill  / Drill deeper  / Redrill  / Stimulate   
 Plug off old formation  / Perforate new formation   
 Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, Marcellus shale
- 12) Estimated depth of completed well, 5990 feet
- 13) Approximate trata depths: Fresh, \_\_\_\_\_ feet; salt, \_\_\_\_\_ feet.
- 14) Approximate coal seam depths: \_\_\_\_\_ Is coal being mined in the area? Yes \_\_\_\_\_

**RECEIVED**  
 JUL 30 1984  
 OIL & GAS DIVISION  
 DEPT. OF MINES  
 No. \_\_\_\_\_

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		Kinds	Bottom
Conductor	11 3/4		42 lb	X		175'	175'	CTS		Kinds by rule 15.05
Fresh water										
Coal						1125	1125'			Sizes by rule 15.05
Intermediate	8 5/8		23 lb	X		425'	425'	CTS		
Production	4 1/2		10.50 lb	X		5990'	5990'	350		Depths set
Tubing								on req.		by rule 15.01
Liners										Perforations:
										Top Bottom

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47 - 085 - 7099 Date August 6, 84 1984

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, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work.** 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.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires August 6, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>170</u> <b>BLANKET</b>	Agent: <input checked="" type="checkbox"/> <u>ls</u>	Plat: <input checked="" type="checkbox"/> <u>MMVMK</u>	Casing	Fee <u>358</u>
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*[Signature]*  
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.



OFFICE USE ONLY

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

1) DATE: 10/24/84  
 2) OPERATOR: [Handwritten Name]  
 WELL NO: 1205  
 3) API WELL NO: [Handwritten]  
 STATE: [Handwritten]  
 COUNTY: [Handwritten]

4) WELL LOCATION: [Handwritten]  
 5) WELL OPERATOR: [Handwritten]  
 ADDRESS: [Handwritten]  
 6) OIL & GAS INSPECTOR TO BE NOTIFIED: [Handwritten]  
 NAME: [Handwritten]  
 ADDRESS: [Handwritten]  
 7) PROPOSED WELL WORK: [Handwritten]  
 8) GEOLOGICAL TARGET FORMATION: [Handwritten]  
 9) ESTIMATED DEPTH OF COMPLETED WELL: [Handwritten]  
 10) APPROXIMATE REAL DEPTH: [Handwritten]  
 11) APPROXIMATE COAL SEAM DEPTHS: [Handwritten]

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DEPT. OF MINES

OFFICE USE ONLY

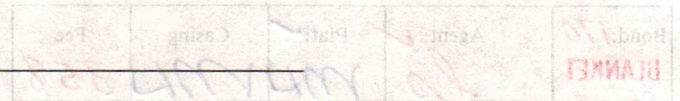
This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections.

	Date	Date(s)
Application received		
Well work started		
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

Reason: \_\_\_\_\_

Reason: \_\_\_\_\_





IV-9  
(Rev 8-81)

DATE 7/3/84  
WELL NO. 3  
API NO. 47-085-7099

State of West Virginia  
Department of Mines  
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Western Reserve O & G DESIGNATED AGENT D. E. Spencer  
Address 7845 Emerson Ave., Parkersburg, WV Address Same  
Telephone 464-4353 Telephone 464-4353  
LANDOWNER R. R. Dickison SOIL CONS. DISTRICT Little Kanawha  
Revegetation to be carried out by D. E. Spencer (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 7-9-84 (Date)

Garrett Newton  
(SCD Agent)

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ACCESS ROAD GRADE 1% (800')

Structure Cross Drains (3) (A)  
Spacing 400' Apart  
Page Ref. Manual 2-4  
Structure Culvert (B)  
Spacing Inch A  
Page Ref. Manual 2-7  
Structure Open Ditch (C)  
Spacing Along side of access road  
Page Ref. Manual 2-12

LOCATION  
Structure Temporary Diversion Ditch (MINE)  
Material Soil  
Page Ref. Manual 2-12  
Structure Rip Rap (2)  
Material Rock  
Page Ref. Manual N/A  
Structure \_\_\_\_\_ (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	<u>3</u>	Tons/acre
or correct to pH	<u>6.5</u>	
Fertilizer	<u>500</u>	lbs/acre
(10-20-20 or equivalent)		
Mulch Hay	<u>2</u>	Tons/acre
Seed* K-31 Fescue	<u>35</u>	lbs/acre
Redtop	<u>10</u>	lbs/acre
Ladino Clover	<u>5</u>	lbs/acre

Treatment Area II		
Lime	<u>3</u>	Tons/acre
or correct to pH	<u>6.5</u>	
Fertilizer	<u>500</u>	lbs/acre
(10-20-20 or equivalent)		
Mulch Hay	<u>2</u>	Tons/acre
Seed* K-31 Fescue	<u>35</u>	lbs/acre
Redtop	<u>10</u>	lbs/acre
Ladino Clover	<u>5</u>	lbs/acre

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

12/29/2023

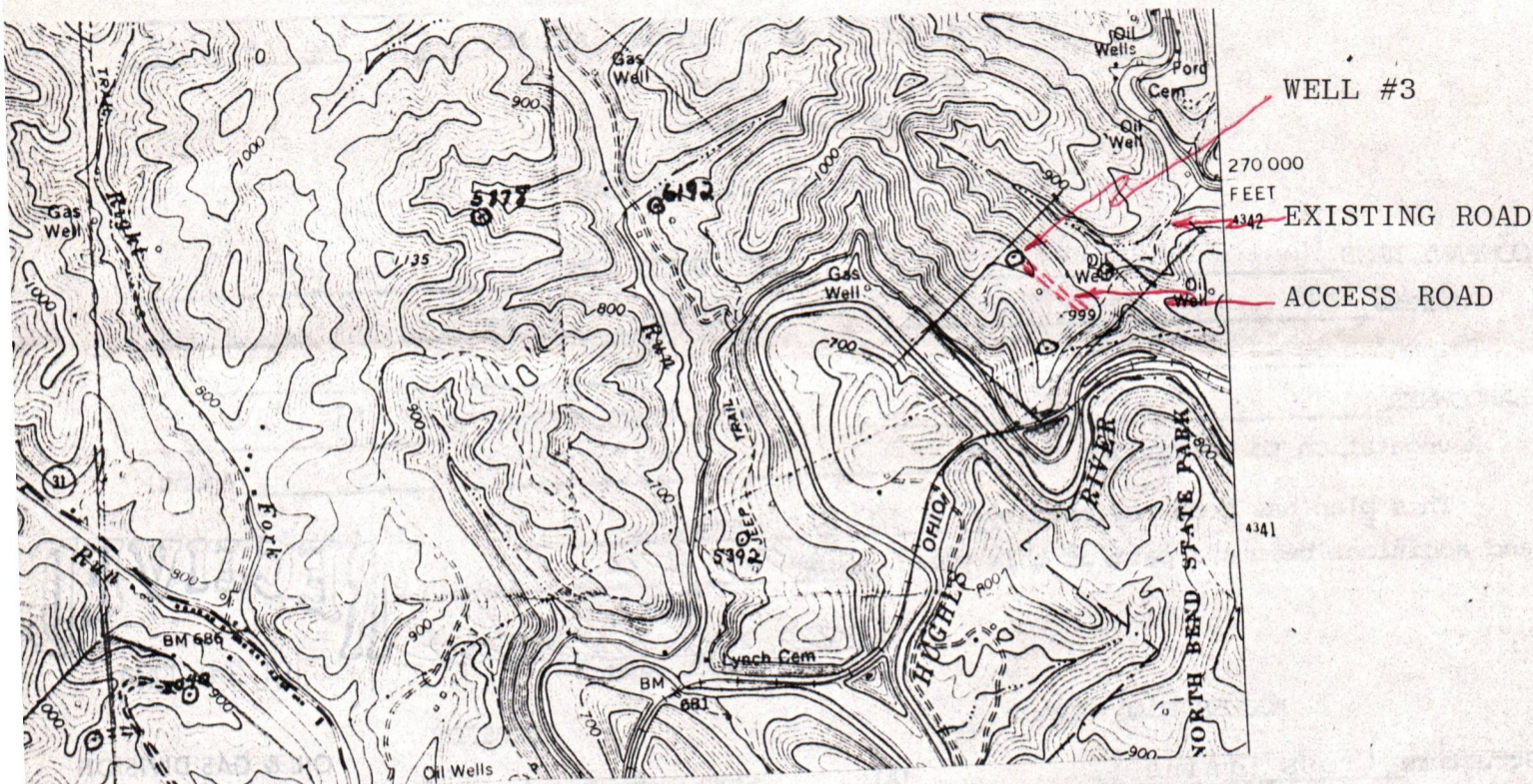
NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

PLAN PREPARED BY Chet Waterman  
ADDRESS 1704 - 18th Street  
Parkersburg, WV 26101  
PHONE NO. 428-5715

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE CAIRO 7.5'

LEGEND

Well Site ⊕  
Access Road ———



WELL SITE PLAN

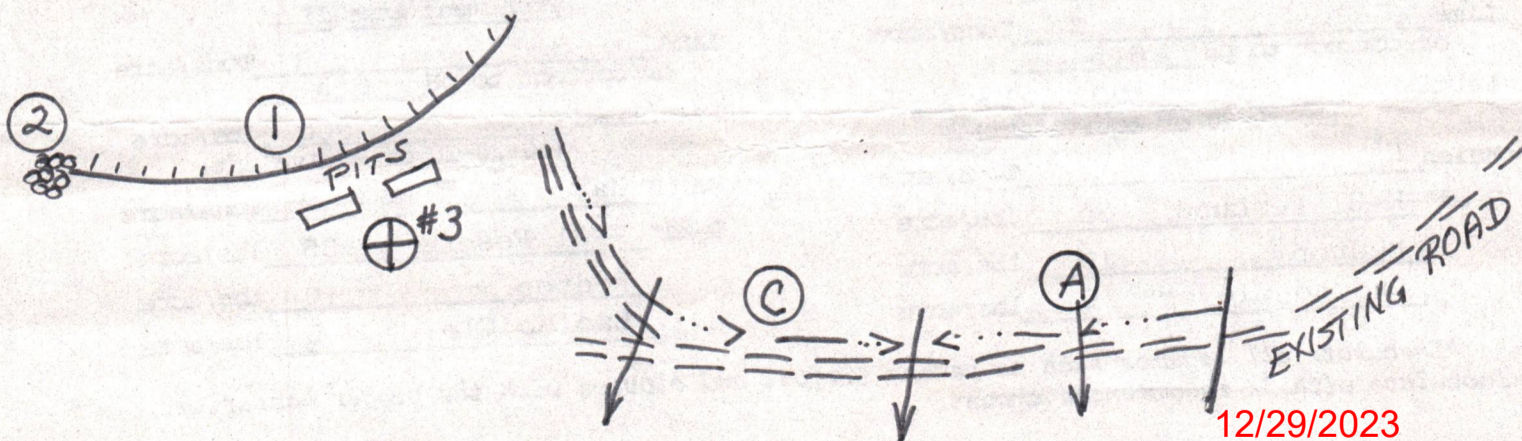
Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND

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

ACCESS ROAD GRADE 1% (800')  
ROAD BANKS 2:1 SLOPE

LOCATION GRADE = 1% INTO DIVERSION DITCH



TREES TO BE CUT AND STACKED. BRUSH TO BE DISPOSED OF BEFORE EARTHWORK BEGINS. REVEGETATION TO BE COMPLETED WITHIN SIX MONTHS OF WELL COMPLETION.

1) Date: July 10, 1984  
2) Operator's 0  
Well No. Dickison #3  
3) API Well No. 47 085-7099  
State County Permit

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES, OFFICE OF OIL & GAS  
NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED  
(i) Name Richard R. + Barbara A. Dickison  
Address Meadow Lane  
Barnwell, S.C.  
(ii) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(iii) Name \_\_\_\_\_  
Address \_\_\_\_\_

5(i) COAL OPERATOR N/A  
Address \_\_\_\_\_  
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name Same as Oil + Gas  
Address \_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
5(iii) COAL LESSEE WITH DECLARATION ON RECORD:  
Name \_\_\_\_\_  
Address \_\_\_\_\_

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application for a Well Work Permit on Form IV-2(B) (or Form IV-4 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
- (2) The plat (surveyor's map) showing the well location on Form IV-6; and
- (3) The Construction and Reclamation Plan on Form IV-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

RECEIVED  
JUL 30 1984

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

OIL & GAS DIVISION  
DEPT. OF MINES

Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Administrator.

6) EXTRACTION RIGHTS

Check and provide one of the following:  
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.  
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

7) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by Donna E. Spencer this 10 day of July, 1984. My commission expires 1-26, 1994.  
Lucy Lee Manduck  
Notary Public, Wood County, State of West Virginia

WELL OPERATOR Western Reserve Oil + Gas Company, Ltd.  
By Donna E. Spencer  
Its Designated Agent  
Address 1245 Emerson Ave.  
Parkersburg, W. Va. 2610  
Telephone 304-464-4353

12/29/2023

I N S T R U C T I O N S T O A P P L I C A N T

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-1b(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
- 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
- 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
- 7) See Code § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, 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 § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d)

IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that--

- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

\_\_\_\_\_  
Grantor, lessor, etc.      Grantee, lessee, etc.      Royalty      Book Page

Richard R. + Barbara A. Dickison - 1983 Western Employee's Trust 12.5R 170/570

1983 Western Employee's Trust - Magna Energy Corporation 173/86

Magna Energy Corporation - 1983 Western Reserve Oil & Gas Company, Ltd.



1) Date: 7/24/84, 1984  
 2) Operator's Well No. 43  
 3) API Well No. 47 State            County            Permit           

**STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES, OIL AND GAS DIVISION  
 APPLICATION FOR A WELL WORK PERMIT**

- 4) WELL TYPE: A Oil  / Gas   
 B (If "Gas", Production  / Underground storage  / Deep  / Shallow  )
- 5) LOCATION: Elevation: 1075' Watershed:             
 District:            County:            Quadrangle:
- 6) WELL OPERATOR            7) DESIGNATED AGENT             
 Address            Address
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name            9) DRILLING CONTRACTOR: Name             
 Address            Address
- 10) PROPOSED WELL WORK: Drill  / Drill deeper  / Redrill  / Stimulate   
 Plug off old formation  / Perforate new formation   
 Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION,
- 12) Estimated depth of completed well, 5990' feet  
 13) Approximate strata depths: Fresh,            feet; salt,            feet.  
 14) Approximate coal seam depths:            Is coal being mined in the area? Yes  No
- 15) CASING AND TUBING PROGRAM

**RECEIVED**  
 JUL 30 1984  
 OIL & GAS DIVISION  
 DEPT. OF MINES

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		Kinds	Sizes
Conductor	11 3/4"		42 lb	X		175'	175'	0.75		
Fresh water										
Coal										
Intermediate	8 3/4"		23 lb	X		175'	175'	0.75		
Production	4 1/2"		10.50 lb	X		5990'	5990'	3.50		
Tubing										
Liners										
									Top	Bottom

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

**VOLUNTARY STATEMENT OF NO OBJECTION**

I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by corporation, partnership, etc.)  
 NAME: \_\_\_\_\_  
 By \_\_\_\_\_  
 Its \_\_\_\_\_ Date \_\_\_\_\_

(For execution by natural persons)  
Richard R. Dickerson Date: 7/24/84  
 (Signature)  
Barbara A. Dickerson Date: 7/24-84  
 (Signature)

**INSTRUCTIONS TO SURFACE OWNERS  
AND  
EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT  
ON OIL AND GAS WELL WORK PERMIT**

The well operator named in the Notice and this Application and the attached materials is applying for a permit from the State to do oil or gas well drilling or other well work. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (NOTE: If the surface tract is owned by more than three persons, in multiple heirship for example, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22, Article 4 of the W. Va. Code. Permits are valid for 24 months.

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator named in the materials and the Administrator of the Office of Oil and Gas in the West Virginia Department of Mines immediately.

NOTE: You are not required to file any comment at all.

**Where to file comments and obtain additional information:**

Administrator of the Office of Oil and Gas  
West Virginia Department of Mines  
1615 Washington Street East  
Charleston, West Virginia 25311  
(304) 348-2057

**Who may file comments?** If you wish to file comments, you must be an owner of record of (1) an interest in the surface tract on which the well already is or is about to be located, or (2) an interest in any other surface tract under the same oil or gas lease which will be utilized for roads or other land disturbances.

**Time limits for comments.** The law requires these materials to be delivered on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments as provided in **Methods for Filing Comments** below. You may call the Administrator's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection" to any of the planned work described in these materials, then the permit may be issued at any time.

**Comments must be in writing.** Your comments must include your name, address and telephone number, the well operator's name and well number, and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

**Methods for filing comments.** Comments must be filed in person or received in the mail at the Administrator's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Administrator for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:

- “(1) The proposed well work will constitute a hazard to the safety of persons; or
- “(2) The plan for soil erosion and sediment control is not adequate or effective; or
- “(3) Damage would occur to publicly owned lands or resources; or
- “(4) The proposed well work fails to protect fresh water sources or supplies.”

If you want a copy of the permit as it is finally issued, or a copy of the order denying the permit, you should request a copy from the Administrator.

**List of Water Testing Laboratories.** The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.



IV-35  
(Rev 8-81)



RECEIVED  
SEP 17 1984

OIL & GAS DIVISION  
DEPT. OF MINES

State of West Virginia  
Department of Mines  
Oil and Gas Division

Date September 13, 1984  
Operator's  
Well No. 3  
Farm Dickinson  
API No. 47-085-7099

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 X /)

LOCATION: Elevation: 1025 Watershed Bear Run  
District: Grant County Ritchie Quadrangle Cairo 7.5

COMPANY Western Reserve Oil & Gas  
ADDRESS 7845 Emerson Ave., Parkersburg, WV  
DESIGNATED AGENT D. E. Spencer  
ADDRESS 7845 Emerson Ave., Parkersburg, WV  
SURFACE OWNER Richard Dickinson  
ADDRESS Meadow Lane, Barrell, SC  
MINERAL RIGHTS OWNER Richard Dickinson  
ADDRESS Meadow Lane, Barrell, SC  
OIL AND GAS INSPECTOR FOR THIS WORK Sam Hersman  
ADDRESS Box 66 Smithville, WV  
PERMIT ISSUED August 6, 1984  
DRILLING COMMENCED August 13, 1984  
DRILLING COMPLETED August 18, 1984  
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.
WV Size 20-16 Cond.			
<del>11 3/4</del> " 9 5/8	40	0	-----
8 5/8	1182'	1132'	75 sks.
7			
5 1/2			
4 1/2	5370'	5142'	565 sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 2443-5370 feet  
Depth of completed well 5142 feet Rotary X / Cable Tools     
Water strata depth: Fresh 100' feet; Salt ---- feet  
Coal seam depths: n/a Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth 3531-5044 feet  
Gas: Initial open flow    Mcf/d Oil: Initial open flow    Bbl/d  
Final open flow 110 Mcf/d Final open flow    Bbl/d  
Time of open flow between initial and final tests 6 hours  
Static rock pressure 800 psig (surface measurement) after 24 hours shut in  
(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

(Continue on reverse side)

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

Stage 1  
4610-5043  
1,000,000 Cubic Feet N2  
500 Gal. 15% HCl

Stage 3  
3531-3986  
1,000,000 Cubic Feet N2  
500 Gal. 15% HCl

Stage 2  
4015-4550  
1,000,000 Cubic Feet N2  
500 Gal. 15% HCl

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Redrock			0	15	
Sand			15	40	
Sand and Shale			40	68	
Redrock			68	76	
Sand and Shale			76	320	
Redrock			320	335	
Shale			335	349	
Redrock			349	362	
Shale			362	366	
Redrock			366	385	
Sandstone			385	392	
Shale			392	408	
Redrock			408	445	
Shale			445	452	
Sandstone			452	508	
Shale			508	517	
Sandstone			517	545	
Shale			545	615	
Redrock			615	624	
Sand and Shale			624	630	
Shale			630	642	
Redrock			642	666	
Shale			666	678	
Sandstone			678	700	
Shale			700	939	
Redrock			939	1040	
Sandstone			1040	1126	
Redrock			1126	1168	
Siltstone			1168	1290	
Sandstone			1290	1330	
Siltstone			1330	1440	
Sandstone			1440	1490	
Siltstone			1490	1534	
Sandstone			1534	1610	
Siltstone			1610	1700	
Maxon			1700	1730	
Siltstone			1730	1790	

(Attach separate sheets as necessary)

Western Reserve Oil & Gas Co., Ltd.

Well Operator

By: Donna E. Spencer 12/29/2023

Date: 9/13/84

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."

085-7099

<u>FORMATION</u>	<u>TOP FEET</u>	<u>BOTTOM FEET</u>
Sandstone	1790	1900
Big Lime	1900	1970
Keener	1970	2040
Big Injun	2040	2075
Shale	2075	2190
Wier	2190	2274
Shale	2274	2433
Berea	2433	2443
Siltstone	2443	2545
Gordon	2545	2560
Sandy Siltstone	2560	2840
Fifth Sand	2840	2860
Shale	2860	3600
Warren	3600	3660
Siltstone	3660	3895
Speechly	3895	3930
Siltstone	3930	4050
Balltown	4050	4120
Siltstone	4120	4420
Riley	4420	4440
Siltstone	4440	4794
First Benson	4794	4800
Shale	4800	5000
Second Benson	5000	5006
Shale	5006	5370

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SEP 17 1984

OIL & GAS DIVISION  
DEPT. OF MINES

Remarks: Visit - Location site with Mike Underwood (District Engineer) check out on reclamation procedure on site and assess reclamation OK 12/29/2023

8-8-84  
DATE

Samuel M. Hersman  
DISTRICT WELL INSPECTOR



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

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AUG 21 1984

OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 005-7099

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

Company WESTERN RESERVE

Address \_\_\_\_\_

Farm Dickinson P. R.

Well No. Dickinson - 3<sup>rd</sup>

District Grant County Ritchie

Drilling commenced 8-13-84

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 Gene Stalwaker - Rig 5<sup>th</sup> - Frank Amos

Remarks: Rig Report

visit site & just getting all moved on location - made thru Redo Road from one to two, because its to strap 25% plans call for 5/7%

8-13-84  
DATE

[Signature]  
DISTRICT WELL INSPECTOR

42/29/2023



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

RECEIVED

AUG 21 1984

OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 085-7099

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

Company <u>WESTERN RESERVE</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>R. B. Dickinson</u>	16			Kind of Packer _____
Well No. <u>DICKINSON - 3#</u>	13			
District <u>GRANT</u> County <u>Ritchie</u>	10			Size of _____
Drilling commenced <u>8-13-84</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 <u>No</u> FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Stalvaker — Rig 5 — Frank Amos

Remarks: Rig Report

visit site? 3250' and dusting - (O.K.) at this point -  
on - 8-14-84 they T.O. at 1187' ran - 1132' of 8 5/8"  
cement with 275-sks of slurry bl'

8-17-84  
DATE

Mike Underwood 12/29/2023  
DISTRICT WELL INSPECTOR





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

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AUG 28 1984

INSPECTOR'S WELL REPORT

Permit No. 085-7099

OIL & GAS DIVISION  
DEPT. OF MINES  
(KIND)

Company <u>WESTERN RESERVE</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>B. B. Dickinson</u>	16			Kind of Packer _____
Well No. <u>Dickinson 3#</u>	13			
District <u>Grant</u> County <u>Doon</u>	10			Size of _____
Drilling commenced <u>8-13-84</u>	8 1/4			
Drilling completed <u>8-20-84</u> Total depth <u>5373'</u>	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 Gene Stalwater — Big 5 — Frank Amos

Remarks: Big Report -

Visit Site, T.D. 5373' Ran 5145' of 4 1/2  
Cement with nouser sk's?

8-20-84  
DATE

Mike Anderson 12/29/2023  
DISTRICT WELL INSPECTOR





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

FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT  
October 17, 1984

RECEIVED ✓  
DEC 4 - 1984

OIL & GAS DIVISION  
DEPT. OF MINES

COMPANY Westerh Reserve Oil & Gas  
7845 Emerson Avenue  
Parkersburg, West Virginia 26101

PERMIT NO 085-7099  
FARM & WELL NO R. Dickinson #3  
DIST. & COUNTY Grant/Ritchie

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 Strenght		
15.05	Cement Type		
23.02	Maintained Access Roads	✓	
25.01	Necessary Equipment to Prevent Waste	✓	
23.04	Reclaimed Drilling Pits		
23.05	No Surface or Underground Pollution	✓	
23.07	Requirements for Production & Gathering Pipelines	✓	
16.01	Well Records on Site	✓	
16.02	Well Records Filed	✓	
7.05	Identification Markings	✓	

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED Samuel N. Hersman

DATE 11-28-84

Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

T. H. v. B.  
Administrator-Oil & Gas Division

January 4, 1985

DATE

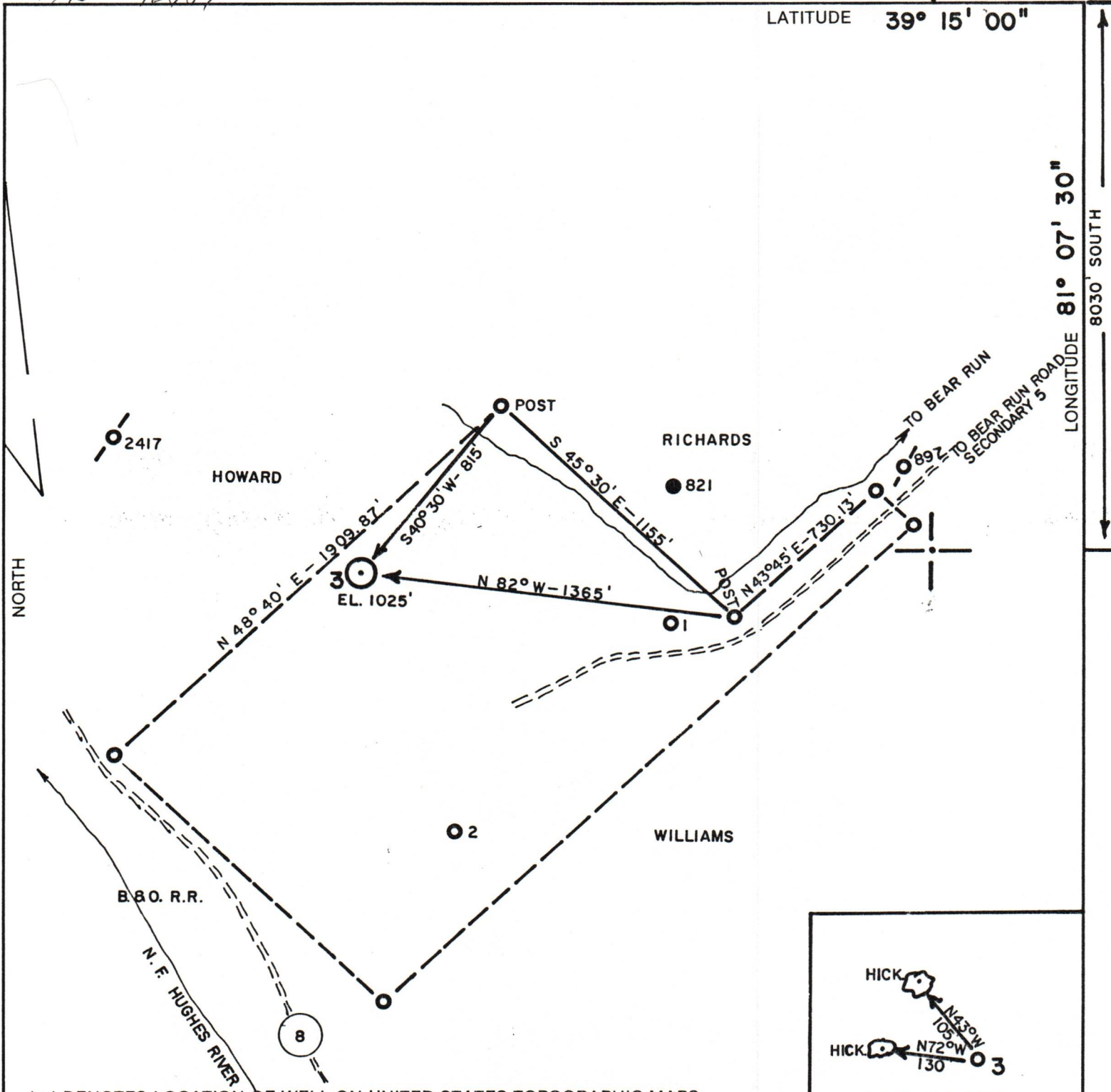
7222 S/2/84

← 2200' W →

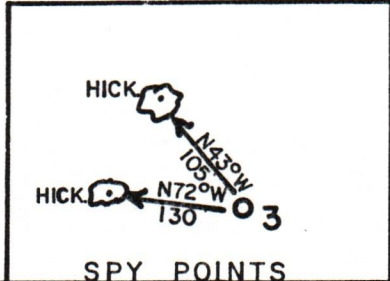
LATITUDE 39° 15' 00"

LONGITUDE 81° 07' 30"

H 8030' SOUTH

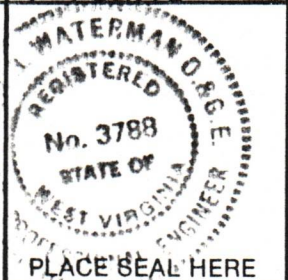


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS



FILE NO. **84-375**  
 DRAWING NO. \_\_\_\_\_  
 SCALE **1" = 500'**  
 MINIMUM DEGREE OF ACCURACY **1/200'**  
 PROVEN SOURCE OF ELEVATION **NOB (999')**

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) *Calvin Waterman*  
 R.P.E. **3788** L.L.S. \_\_\_\_\_



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



DATE **7/3**, 19 **84**  
 OPERATOR'S WELL NO. **3**  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_  
 STATE COUNTY PERMIT **47 085 7099**

LOCATION: ELEVATION **1025'** WATER SHED **BEAR RUN**  
 DISTRICT **GRANT** COUNTY **RITCHIE**  
 QUADRANGLE **CAIRO 7.5'**

SURFACE OWNER **R. R. DICKISON** ACREAGE **56.5**  
 OIL & GAS ROYALTY OWNER **R. R. DICKISON** LEASE ACREAGE **56.5**

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 **5990'**  
 WELL OPERATOR **WESTERN RESERVE O & G** DESIGNATED AGENT **D. E. SPENCER**  
 ADDRESS **7845 EMERSON AVE.** ADDRESS **SAME**  
**PARKERSBURG, WV 26101**

COUNTY NAME **RITCHIE**  
 PERMIT **7099**

12/29/2023

PLACE SEAL HERE