



1) Date: July 10, 19 84
 2) Operator's Well No. Dickison #1
 3) API Well No. 47 085 - 7086
 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: 800' Watershed: N. Fork HUGHES RIVER
 District: Grant 2 County: Ritchie Quadrangle: Carroll (LKH 10)
 6) WELL OPERATOR: Western Reserve Oil & Gas, LTD. 7) DESIGNATED AGENT: D.E. Spencer
 Address: 7845 Emerson Ave., 53025 Address: same
Parkersburg, W.Va 26101
 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name: Gene Hession Name: unknown
 Address: P.O. Box 66 Address: _____
Smithville, W.Va 26178
 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, Manellus 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 _____ / No _____

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 JUL 30 1984

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS DEPT OF MINE
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	<u>11 3/4</u>		<u>42 lb</u>	<input checked="" type="checkbox"/>		<u>175'</u>	<u>175'</u>	<u>CTS.</u>	Kinds <u>by rule 15.05</u>
Fresh water									
Coal									Sizes <u>by rule 15.05</u>
Intermediate	<u>8 5/8</u>		<u>23 lb</u>	<input checked="" type="checkbox"/>		<u>980'</u>	<u>980'</u>	<u>CTS</u>	
Production	<u>4 1/2</u>		<u>10.50 lb</u>	<input checked="" type="checkbox"/>		<u>5990</u>	<u>5990'</u>	<u>350</u>	Depths set
Tubing								<u>0.95 Reg</u>	<u>by rule 15.01</u>
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-085-7086 Date July 30, 19 84

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 July 30, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>170</u> BLANKET	Agent: <u>LS</u>	Plat: <u>MH</u>	Casing: <u>MH</u>	Fee: <u>358</u>
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Margaret J. Hesse
 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) WELL LOCATION: B (Oil/Gas) Production Shallow Deep Underground storage
 2) WELL OPERATOR: *MINNEMIN MINE*
 3) DRILLING CONTRACTOR: *...*
 4) PROPOSED WELL WORK: Plug off old formation Redrill Stimulation
 5) GEOLOGICAL TARGET FORMATION: *...*
 6) CASING AND TUBING PROGRAM: *...*
 7) APPROXIMATE COST: *...*
 8) APPROXIMATE DATE: *...*
 9) ESTIMATED DEPTH OF COMPLETED WELL: *...*
 10) OTHER PHYSICAL CHANGE IN WELL (Specify): *...*
 11) TEST: *...*
 12) TEST: *...*
 13) TEST: *...*
 14) TEST: *...*
 15) TEST: *...*

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JUL 30 1988

DEPT OF MINE
OIL & GAS DIVISION

FORMATION	SPECIFICATIONS	FOOTAGE INTERVALS		CURRENT TESTS
		Left in well	Left in well	
Coal	280'	175'	175'	CTS
...

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	Follow-up inspection(s)
Well work started	"
Completion of the drilling process	"
Well Record received	"
Reclamation completed	"

OTHER INSPECTIONS

Reason:	Area	Blk	Casing	Test
Reason:				

12/29/2003



IV-9
(Rev 8-81)

DATE 7/3/84
WELL NO. 1
API NO. 47 - 085 - 7086

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)

ACCESS ROAD GRADE 1% (25')

LOCATION

Structure <u>Cross Drains</u> (A)	Structure <u>Temporary Diversion Ditch (1)</u>
Spacing <u>Apert</u>	Material <u>Soil</u>
Page Ref. Manual <u>2-4</u>	Page Ref. Manual <u>2-12</u>
Structure <u>Culvert</u> (B)	Structure <u>Rip Rap</u> (2)
Spacing <u>Inch</u>	Material <u>Rock</u>
Page Ref. Manual <u>2-7</u>	Page Ref. Manual <u>N/A</u>
Structure <u>Open Ditch</u> (C)	Structure <u></u>
Spacing <u>Along side of access road</u>	Material <u></u>
Page Ref. Manual <u>2-12</u>	Page Ref. Manual <u></u>

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JUL 30 1984

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 and all brush and small timber to be cut and removed from the site before dirt work begins.

REVEGETATION

Treatment Area I

Lime 3 Tons/acre
or correct to pH 6.5

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

Mulch Hay 2 Tons/acre

Seed* K-31 Fescue 35 lbs/acre

Redtop 10 lbs/acre

Ladino Clover 5 lbs/acre

Treatment Area II

Lime 3 Tons/acre
or correct to pH 6.5

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

Mulch Hay 2 Tons/acre

Seed* K-31 Fescue 35 lbs/acre

Redtop 10 lbs/acre

Ladino Clover 5 lbs/acre

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

12/29/2023

PLAN PREPARED BY Chet Waterman

ADDRESS 1704 - 18th Street

Parkersburg, WV 26101

PHONE NO. 428-5715

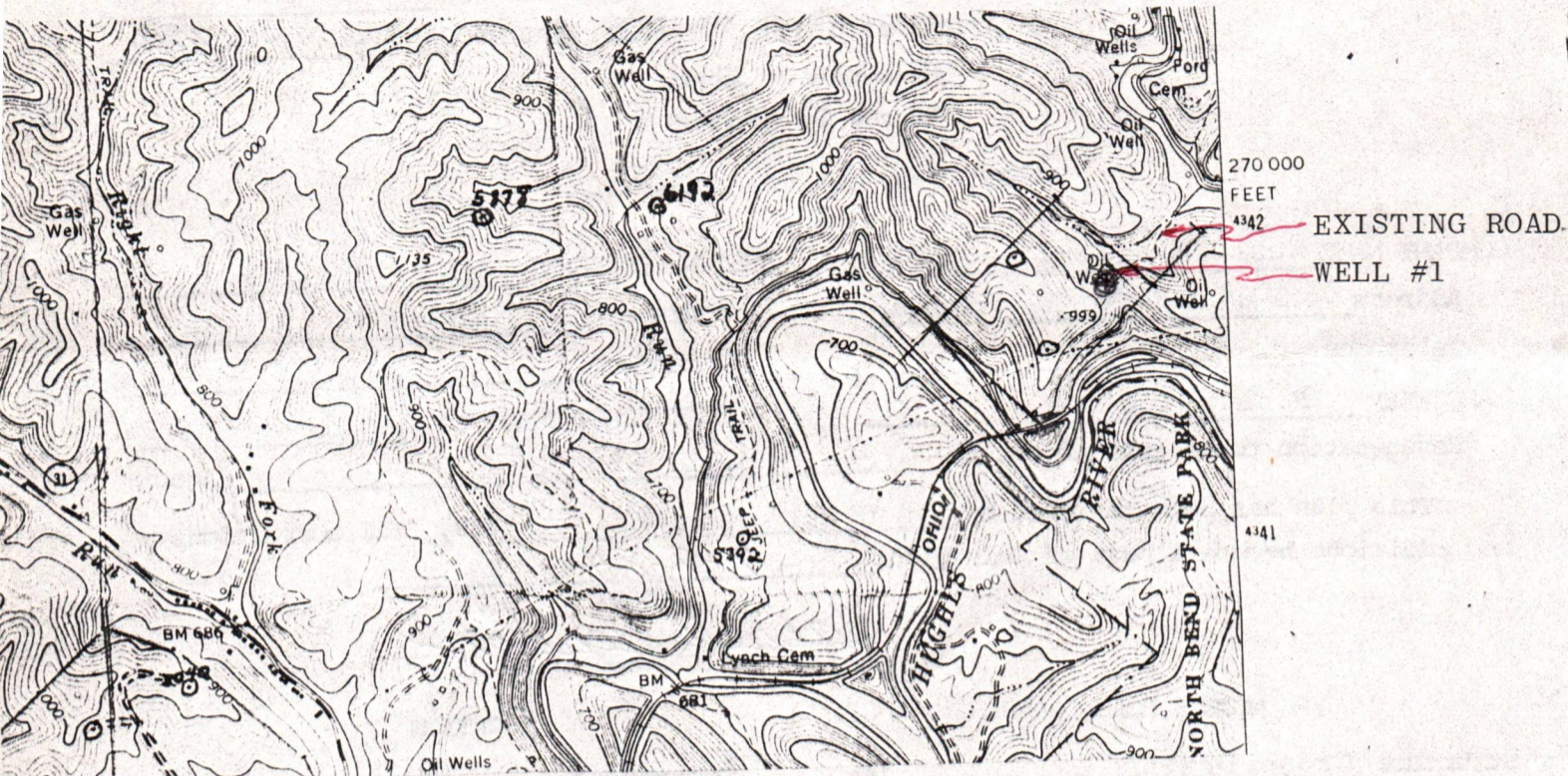
NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

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

LEGEND

Well Site ⊕

Access Road ———



WELL SITE PLAN

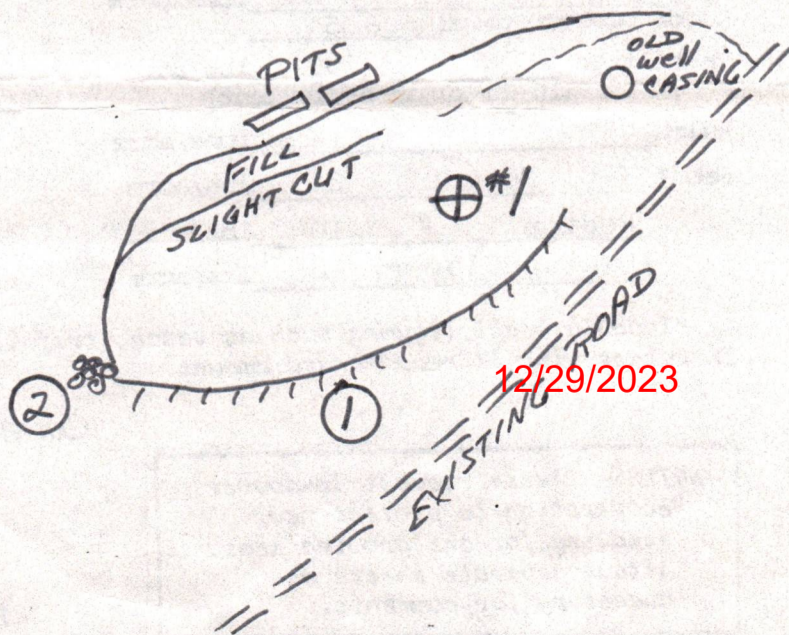
Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

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% (25')
ROAD BANKS 2:1 SLOPE
WELL IN AN OLD LOCATION

LOCATION GRADE = 1% INTO DIVERSION DITCH



12/29/2023

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 Well No. Dickison # 1
3) API Well No. 47 OGS-7086
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 B. + 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.

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.

RECEIVED

JUL 30 1984

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.

OIL & GAS DIVISION
DEPT. OF MINES

6) EXTRACTION RIGHTS

Check and provide one of the following:

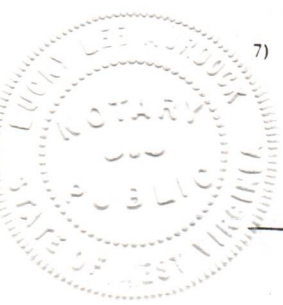
- Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
- The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

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 Lucky Lee Murdock, this 10 day of July, 1984. My commission expires 1-26, 1994.

Lucky Lee Murdock
Notary Public, wood County,
State of West Virginia

WELL OPERATOR Western Reserve Oil & Gas Company, Ltd.
By Donna E. Spence
Its Designated Agent
Address 1945 Emerson Ave.
Parkersburg, W. VA. 26101
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 110/570

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

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

12/29/2023



1) Date: July 10, 1984
 2) Operator's Well No. 181
 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: 2400' Watershed: North Fork N. Fork River
 District: _____ County: Lincoln Quadrangle: 10
- 6) WELL OPERATOR _____ 7) DESIGNATED AGENT D. Spencer
 Address _____ Address same
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name _____ Name unknown
 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, Mudstone
 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 _____ / No _____

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 JUL 30 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

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		
Conductor	17 1/2"		14.6	X		195'	195'	CTS	Kinds by rule 15.05
Fresh water									
Coal									Sizes by rule 15.05
Intermediate	7 7/8"		23.16	X		980'	980'	CTS	
Production	4 1/2"		10.5016	X		5990'	5990'	350'	Depths set
Tubing								2195' by rule 15.01	
Liners									Perforations: 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.)

(For execution by natural persons)

NAME: _____
 By _____
 Its _____ Date _____

Richard R. Dickison Date: 7/24/84
 (Signature)
Barbara A. Dickison 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.



Date September 13, 1984
 Operator's
 Well No. 1
 Farm Dickinson
 API No. 47 - 085 - 7086

IV-35

(Rev. 8-81)

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SEP 17 1984

OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
 Department of Mines
 Oil and Gas Division

WELL OPERATOR'S REPORT
 OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 800' Watershed North Fork of Hughes River
 District: Grant County Ritchie Quadrangle Cario 7.5

COMPANY Western Reserve Oil & Gas LTD

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 July 30, 1984

DRILLING COMMENCED July 30, 1984

DRILLING COMPLETED August 6, 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.
Size 20-16 Cond.			
11 3/4" 9 5/8	40'	○	NONE
8 5/8	1016'	1016'	224
7			
5 1/2			
4 1/2	4617'	4617'	488
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 2254-4656 feet

Depth of completed well 4617 feet Rotary X / Cable Tools _____

Water strata depth: Fresh None feet; Salt None feet

Coal seam depths: n/a Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth 3356-4610 feet

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

Final open flow 100 Mcf/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests 6 hours

Static rock pressure 580 psig (surface measurement) after 24 hours shut in

(If applicable due to multiple completion--)

Second producing formation _____ Pay zone depth 12/29/2023 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)

RIT. 7086

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

Stage 1 33 Holes 4167-4610 1.5 Million Cubic Feet N₂ 1000 Gal HCL
 Stage 2 23 Holes 3750-4100 750,000 cubic feet N₂ 500 Gal. HCL
 Stage 3 18 Holes 3356-3697 1 Million Cubic Feet 500 Gal. 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
Soil			0	10	
Sandstone & Shale			10	40	
Sand & Shale			40	80	
Red Rock			80	85	
Shale			85	90	
Red Rock			90	95	
Sandstone			95	105	
Shale			105	115	
Sandstone			115	124	
Shale			124	140	
Sandstone			140	153	
Shale			153	170	
Sandstone			170	175	
Red Rock			175	180	
Sandstone			180	186	
Shale			186	196	
Sandstone			196	200	
Sandstone & Shale			200	223	
Red Rock			223	259	
Sandstone			259	269	
Sandstone & Shale			269	310	
Shale			310	320	
Sandstone			320	353	
Shale			353	874	
Shale			874	894	
Sandstone			894	901	
Shale			901	965	
Sandstone			965	1060	
Sandstone			1060	1080	
Shale			1080	1088	
Limy Sandstone			1088	1130	
Shale			1130	1244	
Silty Sandstone			1244	1320	
Shale			1320	1340	
Silty Sandstone			1340	1440	
Shale			1440	1486	
Silty Sandstone			1486	1520	

(Attach separate sheets as necessary)

Western Reserve Oil & Gas Co., Ltd.

Well Operator

By: Donna E. Spencer

Date: 9/13/84

12/29/2023

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."

085-7086

Completion Report

Western Reserve

Dickinson # 1

Page 2

<u>Formation</u>	<u>Top Feet</u>	<u>Bottom Feet</u>	
Shale	1520	1580	
Limestone	1580	1643	
Siltstone	1643	1653	
Limy Sandstone	1653	1710	
Maxon	1710	1733	Oil Show
Little Lime	1733	1775	
Big Lime	1775	1815	
Big Injun	1815	1852	
Shale	1852	1856	
Squaw	1856	1874	
Shale	1874	1985	
Wier	1985	2070	
Shale	2070	2216	
Coffee Shale	2216	2232	
Berea	2232	2254	
Siltstone	2254	2640	
Fifth Sand	2640	2653	
Shale	2653	3400	
Warren	3400	3450	
Shale	3450	3700	
Speechly	3700	3790	
Shale	3790	3830	
Balltown	3830	3924	
Shale	3924	4280	
Riley	4280	4300	
Shale	4300	4598	
Benson	4598	4604	
Shale	4604	4656	

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SEP 17 1984
OIL & GAS DIVISION
DEPT. OF MINES

R.I. 7086

12/29/2023

182-7086

Computer Report
No. 182-7086
Date: 1/1/84
Page 1

Top Level	Bottom Level	Location
110	110	...
120	120	...
130	130	...
140	140	...
150	150	...
160	160	...
170	170	...
180	180	...
190	190	...
200	200	...
210	210	...
220	220	...
230	230	...
240	240	...
250	250	...
260	260	...
270	270	...
280	280	...
290	290	...
300	300	...
310	310	...
320	320	...
330	330	...
340	340	...
350	350	...
360	360	...
370	370	...
380	380	...
390	390	...
400	400	...
410	410	...
420	420	...
430	430	...
440	440	...
450	450	...
460	460	...
470	470	...
480	480	...
490	490	...
500	500	...

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 OIL & GAS DIVISION
 DEPT. OF MINES

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

RECEIVED

AUG 6 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 085-7086

Oil or Gas Well _____
(KIND)

Company <u>WESTERN RESERVE OIL</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>Dickison</u>	16			Kind of Packer _____
Well No. <u>Dickison 1#</u>	13			
District <u>BRANT</u> County <u>Ritchie</u>	10			Size of _____
Drilling commenced <u>8-1-84</u>	8 1/4			
Drilling completed _____ Total depth _____	6%			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 <u>1/4"</u> <u>AT 40'</u> 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:

visit site — 259' AND Soaping, P.H.'s O.G.
Brush Puff, had them to get it cleaned up.

8-1-84

DATE

Ally Underwood 12/29/2023
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			Packer			Location		
PLUGS USED AND DEPTH PLACED			BRIDGES			CASING AND TUBING					
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION			RECOVERED	SIZE	LOST			

Drillers' Names _____

Remarks: _____

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

DATE

12/29/2023

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

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AUG - 7 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 85-7086

Oil or Gas Well _____
(KIND)

Company <u>Western Reserve Oil & Gas Co.</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Address _____	Size		
Farm <u>R. Dickerson</u>	16			Kind of Packer _____
Well No. <u>1</u>	13			Size of _____
District <u>Grant</u> County <u>Ritchie</u>	10			
Drilling commenced <u>7-31-84</u>	8 5/8 <u>8 5/8</u>	<u>1016</u>	<u>1016</u>	Depth set _____
Drilling completed _____ Total depth _____	6 5/8			
Date shot _____ Depth of shot _____	5 3/16			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. top _____
Volume _____ Cu. Ft.	Liners Used			Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY _____			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names C. Stump / D. Tothman / William Todd

Gene Stalnaker Rig # 5 Tod Pusker Frank Amos

Remarks: Ran 1016 foot of 8 5/8" casing - Howsco ran 224 sacks slurry 61 with 370 cc and 1/4 lb flocc per sack
Waiting on cement at time of visit

8-2-84

DATE

Samuel M. Harrison

12/29/2023
DISTRICT WELL INSPECTOR

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

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AUG - 5 1982
OIL & GAS DIVISION
INSPECTOR'S WELL REPORT
DEPT. OF MINES

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:

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

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

RECEIVED
AUG 13 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 85-7086

Oil or Gas Well _____
(KIND)

Company <u>Western Reserve Oil & Gas Ltd</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Size			Kind of Packer
Address _____	16			
Farm <u>R. Dickinson</u>	13			
Well No. <u>1</u>	10			Size of _____
District <u>Grant</u> County <u>Ritchie</u>	8 1/4 <u>8 5/8"</u>	<u>1816'</u>	<u>1016'</u>	Depth set _____
Drilling commenced <u>7-31-84</u>	5 7/16 <u>4 1/2"</u>	<u>4610'</u>	<u>4610'</u>	
Drilling completed <u>8-5-84</u> Total depth <u>4650</u>	3			Perf. top _____
Date shot _____ Depth of shot _____	2			Perf. bottom _____
Initial open flow _____ /10ths Water in _____ Inch	Liners Used _____			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch				Perf. bottom _____
Volume _____ Cu. Ft.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Rock pressure _____ lbs. _____ hrs.	NAME OF SERVICE COMPANY _____			
Oil _____ bbls., 1st 24 hrs.	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Fresh water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names _____

Remarks: on 8-5-84 T.D. and complete hole at 4650'
Ran 4610' foot of 4 1/2" casing

8-8-84

DATE

Samuel N. H.
1212912023
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: _____

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

DISTRICT WELL INSPECTOR
12/29/2023

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

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SEP 4 - 1984

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 085-7086

Oil or Gas Well _____
(KIND)

Company WESTERN RESERVE

Address _____

Farm R. Dickinson

Well No. ONE,

District GRANT County Ritchie

Drilling commenced _____

Drilling completed _____ Total depth _____

Date shot _____ Depth of shot _____

Initial open flow _____ /10ths Water in _____ Inch

Open flow after tubing _____ /10ths Merc. in _____ Inch

Volume _____ Cu. Ft.

Rock pressure _____ lbs. _____ hrs.

Oil _____ bbls., 1st 24 hrs.

Fresh water _____ feet _____ feet

Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 5/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names _____

Remarks: Status Report -

visit site, to look a Reclamation, on Request of contractor
to Release Location on Reclamation, BECAUSE There logging
timber out. (NO) Location will not pass, pits over Run
into woods and must BE cleaned up. first -

8-27-84
DATE

Mick Anderson
 12/29/2023
 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.

12/29/2023

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

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SEP 17 1984

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 005-7086

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. Dickinson</u>	16			Kind of Packer _____
Well No. <u>ONE</u>	13			
District <u>GRANT</u> County <u>Ritchie</u>	10			Size of _____
Drilling commenced _____	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 _____

Remarks: Status Report
visit site, To see if Gene Stalwaker cleaned up his pit spill, had Greg Hinger W.R.D. with me. (D.K.) All cleaned up. Look's good,

9-10-84
DATE

Mike York
12/29/2023
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.

DISTRICT WELL INSPECTOR
12/29/2023



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DEC 4 - 1984

OIL & GAS DIVISION
DEPT. OF MINES

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

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
October 17, 1984

COMPANY Western Reserve Oil & Gas, LTD

PERMIT NO 085-7086

7845 Emerson Avenue

FARM & WELL NO R. Dickinson #1

Parkersburg, West Virginia 26101

DIST. & COUNTY Grant/Ritchie

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25.04	Prepared before Drilling to Prevent Waste	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25.03	High-Pressure Drilling	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16.01	Required Permits at Wellsite	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15.03	Adequate Fresh Water Casing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15.02	Adequate Coal Casing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15.01	Adequate Production Casing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15.04	Adequate Cement Strenght	<input type="checkbox"/>	<input type="checkbox"/>
15.05	Cement Type	<input type="checkbox"/>	<input type="checkbox"/>
23.02	Maintained Access Roads	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25.01	Necessary Equipment to Prevent Waste	<input type="checkbox"/>	<input type="checkbox"/>
23.04	Reclaimed Drilling Pits	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23.05	No Surface or Underground Pollution	<input type="checkbox"/>	<input type="checkbox"/>
23.07	Requirements for Production & Gathering Pipelines	<input type="checkbox"/>	<input type="checkbox"/>
16.01	Well Records on Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16.02	Well Records Filed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7.05	Identification Markings	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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

SIGNED Samuel N. Kersman

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. [Signature]
Administrator-Oil & Gas Division

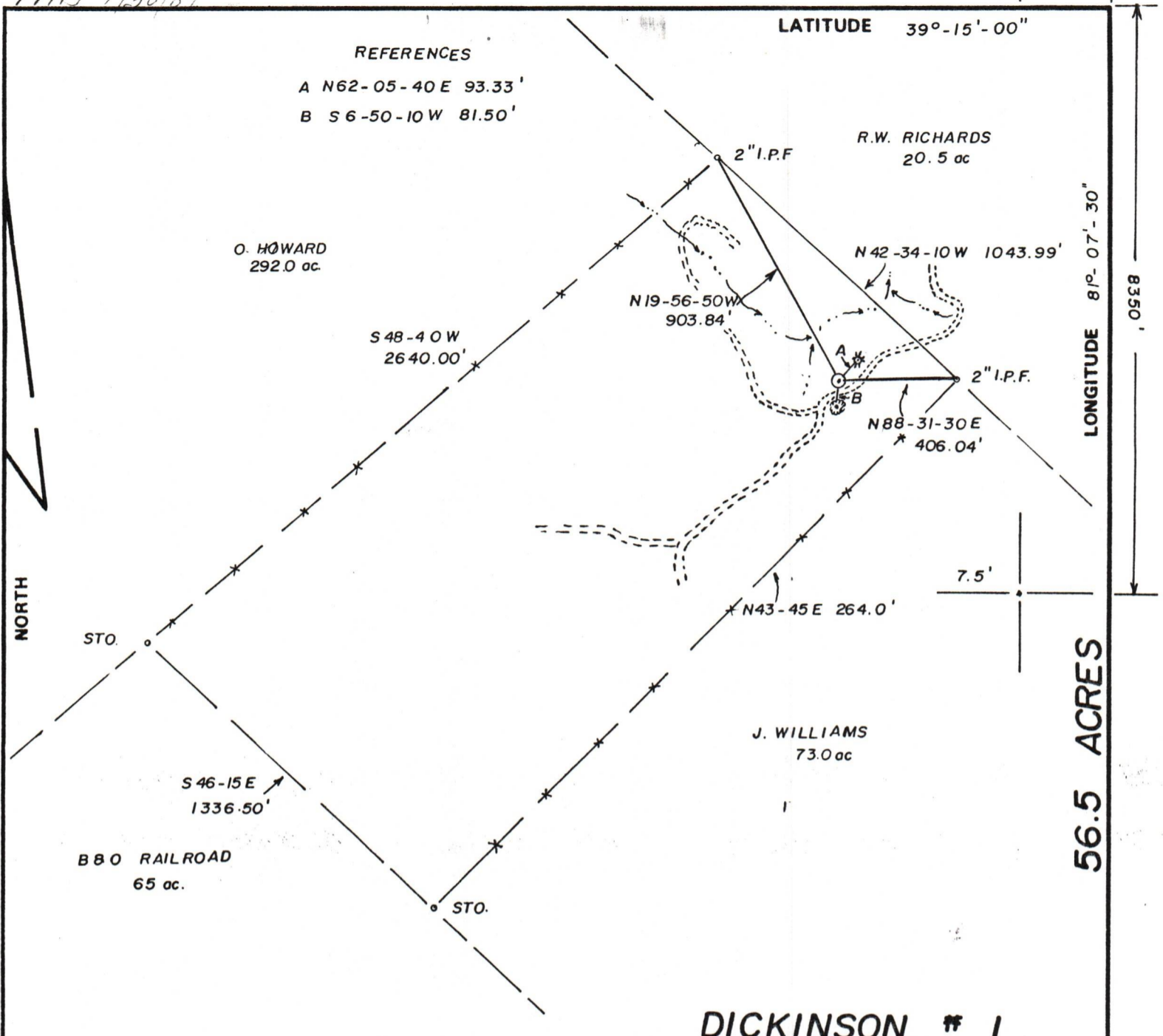
January 4, 1985

DATE

12/29/2023

MU 2/30/84

1300'



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200'
 PROVEN SOURCE OF ELEVATION PROVEN ELEV = 999 TOP OF POINT

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) Walter G. Hebertson
 R.P.E. 5112 L.L.S. _____

PLACE SEAL HERE

(+) 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 JULY 24, 1984
 OPERATOR'S WELL NO. 1
 API WELL NO. 47-085-7086
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 825 WATER SHED NORTH FORK HUGHES RIVER
 DISTRICT GRANT COUNTY RITCHE
 QUADRANGLE CAIRO 7.5'
 SURFACE OWNER R. DICKINSON ACREAGE 56.5
 OIL & GAS ROYALTY OWNER R. DICKINSON LEASE ACREAGE 56.5
 LEASE NO. _____

12/29/2023

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 DEVONIAN SHALE ESTIMATED DEPTH 5900'
 WELL OPERATOR WESTERN RESERVE O. & G. Co. DESIGNATED AGENT D.E. SPENCER
 ADDRESS 7845 EMERSON AVE. ADDRESS SAME
PARKERSBURG WV a.

Ritche 7086