DRILLING CONTRACTOR:



1)	Date: December	20,	, 19_	82	100000
1					

2) Operator's Well No. 5002-1

3) API Well No. 47 - 85-6120 County State Permit

	STATE OF WEST VIRGINIA	M.S
DEPARTM	MENT OF MINES OIL AND GAS DIVISIO	N

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OFFICE USE ONLY

Permit number	47-085-6120	

DRILLING PERMIT

December 27

03/29/20282

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. 10) 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.)

Permit expires	Augu	st 27, 19	83	umlass d		MOD ASK BONS TONO
Bond:	Agent: 6K	Plat:	Casing	Fee	drilling is commenced prior to that date and prosecut	ted with day diligence.
Bunker	10	111.7.	M3.	165	Administrator, Office of Oil and	Gas

Line Item Explanation

- Date of Application 1)
- Your well name and number 2)
- To be filled out by office of oil & gas 3)
- "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of 4B) the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.
 - "Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less then six thousand feet, whatever is shallower.
 - Where well is located 5)
 - Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be 6) registered with the Secretary of State Office
 - Use separate sheet if necessary 7)
 - 8) Present surface owner at time application is filed.
 - **Optional** 9)
- See Reg. 7.01 relating to code §22-4-1k 11)
- "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to 12) or does operate a coal mine. See Note 24
- As per §22-4-20; See Note 24 13 & 14)
 - Work that will be attempted—A separate Form IV-2 shall not be required for fracturing or stimulating a well 15) 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.
 - Anticipated formation for which well will be completed 16)
 - 17) Self explanatory
 - Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
 - All coal seam depths 19)
 - Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 20) 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
 - Code 22-4-11(c) In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a 21) permit described herein may file the following:
 - (1)A brief description of the tract of land including the district and county wherein the tract is located;
 - (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
 - (3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
 - (4)A brief description of the royalty provisions of each such lease or contract.
 - Code 22-4-11(d) and 22-4-11(e). 22)

19

Date:

- 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.
- 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.

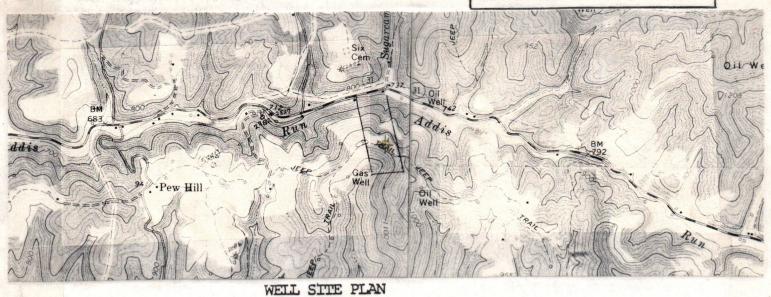
The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof

days or recorp.			
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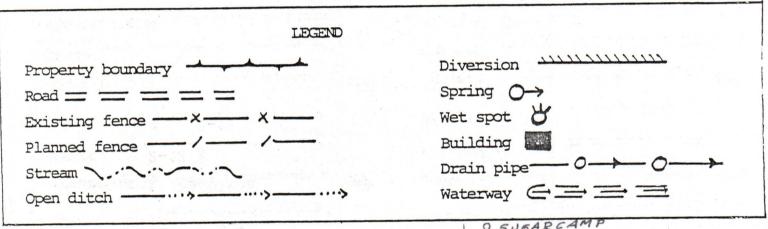
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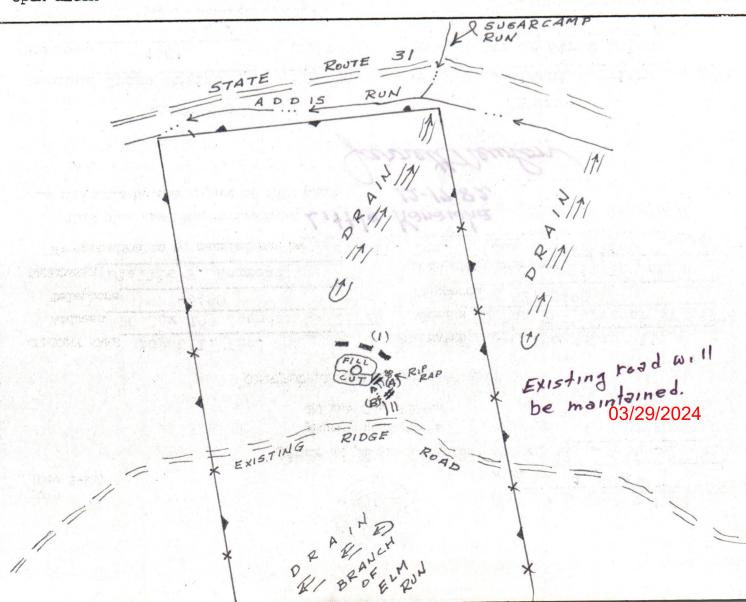
ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE CATRO. WV 7%

LEGEND
Well Site Access Road —



ketch 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.







DATE 16 December 1982

(Rev 8-81)

State of Mershins April 190. 47 - 085 - 6/20
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FIAN PREPARED BY John Strickling

APPRESS Court Street.

West Union, WV 26456

732-2567

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May 31, 1983

OFFICE OF OIL & GAS 1615 Washington St., East Charleston West Virginia 25311

Dear Sirs:

Enclosed please find copies of various assignments showing the transfer of ownership from KEY OIL, INC. to MAGNA ENERGY CORPORATION and from MAGNA ENERGY CORPORATION to WESTERN RESERVE OIL AND GAS COMPANY, LTD., for the following wells, listed by permit number, in Grant District of Ritchie County, West Virginia.

47-085-6059		47-08	5-6158
47-085-6091		47-08	-6189
47-085-6127		47-08	-6214
47-085-6121		47-085	-6215
47-085-6128		47-085	-6216
47-085-6122		47-085	-6217
47-085-6120		47-085	-6290
47-085-6126		47-085	-6235
47-085-6156		47-085	-6282
47-085-6157		47-085	-6283
47-085-6211		47-085	-6289
47-085-6236		 47-085	-6294
47-085-6187			

Please amend your records to reflect the proper ownership of said wells.

Very truly yours,

Joe McLaughlin President

JM/mr

Enclosures

OIL & GAS DIVISION
DEPT. OF MINES

ASSIGNMENT

THIS ASSIGNMENT, made and entered into this 20th day of December, 1982, by and between M & J JOINT VENTURE, a partnership, hereinafter referred to as party of the first part, and KEY OIL, INC., a Delaware corporation, hereinafter referred to as party of the second part.

WITNESSETH: That for and in consideration of the sum of Five (\$5.00) Dollars, cash in hand paid, and other good and valuable consideration, the receipt of all of which is hereby acknowledged, the party of the first part does hereby sell, assign, transfer and convey all of its right, title, and interest unto the party of the second part in and to those certain leasehold estates lying and being situated in Grant District, Ritchie County, West Virginia and more specifically referred to as follows:

- 1. Ralph K. Six, et al, Lease containing 92-1/2 acres, lease dated January 2, 1978, recorded in Ritchie County Clerks office in Lease Book 124, Page 590, and lease dated January 2, 1978, recorded in Ritchie County Clerks office in Lease Book 129, Page 475.
- 2. Wilda L. McWhorter Lease containing 26 acres, lease dated May 19, 1981, recorded in Ritchie County Clerks office in Lease Book 136, Page 620.

It is understood between the parties hereto that all drilling rights from the surface to the base of the Big Injun Sand has previously been assigned to Reserve Associates on the Ralph K. Six, et al, Lease.

This Assignment is subject to an overriding royalty in the amount of 5.469% reserved by Haught, Inc., and M & J JOINT VENTURE does hereby specifically reserve an overriding royalty in the amount of 3.500%.

WITNESS the following signature.

M & J JOINT VENTURE

Joe McLaughlin, Partner

STATE OF WEST VIRGINIA:
:SS.
COUNTY OF ROANE, TO-WIT:

I, Jack W. Floyd, a Notary Public in and for the County and State aforesaid, do hereby certify that Joe McLaughlin, partner of M & J JOINT VENTURE, whose name is signed to the foregoing writing, bearing date the 20th day of December, 1982, has this day acknowledged the same before me in my said County to be the act and deed of said partnership.

Given under my hand this 20th day of December, 1982.

My Commission Expires:

Notary Public

This Instrument prepared by: M & J JOINT VENTURE P. O. Box 727 Spencer, WV 25276



ASSIGNMENT

THIS ASSIGNMENT, Made and entered into this <u>177H</u> day of December, 1982, by and between WARREN R. HAUGHT hereinafter referred to as party of the first part, and M & J JOINT VENTURE, a partnership, hereinafter referred to as party of the second part.

WITNESSETH: That for and in consideration of the sum of Five (\$5.00) Dollars, cash in hand paid, and other good and valuable considerations, the receipt of all of which is hereby acknowledged, the party of the first part does hereby sell, assign, transfer and convey all its right, title and interest unto the party of the second part in and to that certain leasehold estate lying and being situate in Grant District, Ritchie County, West Virginia, and more specifically referred to as the Wilda L. McWhorter Lease, containing twenty-six (26) acres, and lease dated May 19, 1981, are of record in the Ritchie County Clerk's Office in Lease Book 136, at Page 620.

It is understood between the parties hereto that the party of the first part hereby reserves 1/16 of 8/8 overriding royalty free of all costs in the lease hereby assigned.

WITNESS the following signature.

(Warren R. Haught)

STATE OF WEST VIRGINIA COUNTY OF WOOD, TO-WIT:

Before me, the undersigned authority in and for the State and County aforesaid, on this day personally appeared Warren R. Haught known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this 17_{7/+}day of December,

My Commission Expires April 6,1992

State of Mest Nirginia

Bepartment of Mines Bil und Gas Bivision

Date	March	n 25,	1983	3			
	Operator's						
Well No	D	5002-	1				
Farm	Wilda	McWho	rte	r			
API No.	47 _	085	_	6120			

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

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil X / Gas X / Liquid Injection (If "Gas," Production X / Undergroup (If "Gas				llow_X_/)
LOCATION: Elevation: 1082' Watershed	Addis Ru	n		
District: Grant County Ri			e Cairo	7.5'
COMPANY KEY OIL, INC.				
ADDRESS P.O. Box 709, Spencer, WV	Caging	Used in	Toft	Cement
DESIGNATED AGENT Joe McLaughlin	Casing	Drilling		fill up Cu. ft.
ADDRESS P.O. Box 709, Spencer, WV	Size	DITTITIG	TII WEIT	cu. It.
SURFACE OWNER Clellie Rexroad	20-16			
ADDRESS RFD 1, Cairo, WV	Cond.			
MINERAL RIGHTS OWNER Wilda McWhorter	13-10"			
ADDRESS 6451 S.W. 73rd St., Miami, FL	9 5/8	1010	1010	040 614
OIL AND GAS INSPECTOR FOR THIS WORK	8 5/8	1218	1218	240 SK
S.N. Hersman ADDRESS Box 66, Smithville, WV	7			
PERMIT ISSUED 12-27-82	5 1/2	4662	4662	140 61
DRILLING COMMENCED 1-15-83	4 1/2	4663	4663	443 SK
DRILLING COMPLETED 1-21-83	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON				
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners useđ			-
ON	useu			
GEOLOGICAL TARGET FORMATION Devonian Sha	le	Dept	th5900	feet
Depth of completed well 4718 feet	Rotary X	/ Cable	e Tools	
Water strata depth: Fresh 350 feet;	Salt 160	0 feet		
Coal seam depths: N/A	Is coal	being mine	ed in the	area?
OPEN FLOW DATA				
Producing formation Devonian Shale	Pay	zone dep	th 3656-4	603 feet
Gas: Initial open flow Show Mcf/d				
Final open flow 150 Mcf/d	Fin	al open f	low_ 20	Bbl/d
Time of open flow between ini-	tial and fi	nal tests	4 ho	ours
Static rock pressure 200 psig(surface	ce measurem	ent) after	r 24 hou	rs shut in
(If applicable due to multiple completion	n)		03/5	29/2024
Second producing formation	Pay	zone dep	th	29/2024 feet
Gas: Initial open flowMcf/d				Bbl/d
Final open flow Mcf/d	Oil: Fir	al open f	low	Bbl/d
Time of open flow between ini	tial and fi	nal tests	ho	ours
Static rock pressurepsig(surfac	e measureme	ent) after	hou	rs shut in

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

Top Stage

3656-4081

29-0.39" holes

Bottom Stage

4130-4603

30-0.39" holes

800 gal. 15% HCI Acid + 10% one shot, 1.848 mm scf N_2

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fres and salt water, coal, oil and ga
Siltstone/Shale	1208	1400	and sait water, coar, our and go
Sand		1488	
	1488	1538	
Siltstone/Shale	1538	1578	
Sand	1578	1618	
Shale	1618	1638	
Sand	1638	1668	
Shale	1668	1798	
Lime	1798	1818	
Shale	1818	1863	
Sand	1863	2090	
Shale	2090	2123	
Sand	2123	2163	
Shale	2163	2263	
Siltstone	2263	2338	
Shale	2338	2493	
Siltstone/Shale	2493	2900	
Sand	2900	2912	
Shale	2912	3758	
Shale/Siltstone	3758	3918	
Siltstone	3918	3923	
Shale/Siltstone	3923	4718	
,			
			9

(Attach separate sheets as necessary)

KEY OIL, INC

Well Operator

Bar 03/29/2024

Date:

March 25

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 enal, encountered in the drilling of a well."

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



JAN 2 4 1983

OIL AND GAS DIVISION WYDEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

mpany Key Oil	· Co.	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKERS
		Size		147 - 16 Selec	
elie F.	Reprood	16	190		Kind of Packer
		13			
		10			Size of
1	County Ritchio	81/4	Astronomic Services		a feet 1 . 122 va. 10 105 va. 10
ed	15-83	65%			Depth set
	Total depth	5 3/16			
		3			Perf. top
	Depth of shot	2			Perf. bottom
	/10ths Water inInch	Liners Used			Perf. top
3	/10ths Merc. inInch			X - 1 x 2 -1	Perf. bottom
	Cu. Ft.	CASING CEMEN			No. FT
none sho	bbls., 1st 24 hrs.	COAL WAS ENC	OUNTERED	ATF	FEETINCH
	feetfeet				EETINCH
	feetfeet	FEET_			
c.w. Pr	ice/tredink Wa	ti 1 P	0. 10	/ //	EETINCH
	9#5 tol 1	Eusker Re	Comer P.	uffman 1 t.	1
tent Ry	1004/-		-cuy / au	rem	
my /ce	29 Joint of 85			4	

1-17-83

Samuel 91. Heromon

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

		· · · · · · · · · · · · · · · · · · ·	Wel	I No	- 1-		
		ADDRESS					
	DISTRICT		COUNTY				
					#4. 28°		
ation	Amount	Packer	Location	Location			
PLUGS USED AND DEPTH PLACED		BRIDGES	CASING AND TUBING				
WOOD-SIZE	LEAD	CONSTRUCTION-LUCATION	RECOVERED	SIZE	LOST		
g to a state of							
			5 × 5 M	-			
		200					
747, 1539					17 (A) * 1-1-12		
	e 1 2 2 2 2 2	graph on the state of the state of					
		· · · · · · · · · · · · · · · · · · ·		100			
I hereby certify I	visited the abo	ve well on this date.					
				U3/30	2024		
	Ation ND DEPTH PLACED WOOD-SIZE	ation Amount ND DEPTH PLACED WOOD-SIZE LEAD	Amount Packer ND DEPTH PLACED BRIDGES WOOD-SIZE LEAD CONSTRUCTION-LUCATION	ADDRESS DISTRICT COUNTY action Amount Packer Location ND DEPTH PLACED BRIDGES CASIM WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVERED I hereby certify I visited the above well on this date.	ation Amount Packer Location ND DEPTH PLACED BRIDGES CASING AND TO WOOD-SIZE LEAD CONSTRUCTION—LOCATION RECOVERED SIZE		

DISTRICT WELL INSPECTOR

085-6120

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES





INSPECTOR'S WELL REPORE TO LE GAS DIVISION

Permit No.						r Gas Well	
Company KEY C	oic inc		CASING AND TUBING	USED IN DRILLING	LEFT IN	PAC	CKERS
Address			Size				
Farm WilDA	mª Worter	>	16			Kind of Pa	icker
Well No. 5002-			13	18-			
District CRANT	er transcription and the second	Which	81/4			Size of	
Drilling commenced			65/8			Depth set_	
			5 3/16			1	
Drilling completed	Total depth		3			Perf. top_	
Date shot			2			Perf. botto	nı
Initial open flow		nInch	Liners Used			Perf. top_	
Open flow after tubing	/10ths Merc. in	Inch				Perf. botto	m
Volume		Cu. Ft.	CASING CEMEN	NTED	_SIZE	No. FT	Date
Rock pressure	lbs	hrs.	NAME OF SER	VICE COMPA	NY		
011	bbls.,	1st 24 hrs.	COAL WAS EN	COUNTERED	AT	_FEET	INCHES
Fresh water	feet	feet	FEET_	INCH	ES	FEET	INCHES
Salt water	feet	feet	FEET_	INCH	ES	_FEET	INCHES
Drillers' Names							
SARVAS	5 KEDORT	/					
Remarks:	1			,			
BRUSH AND	Stamps	Not	ComplE	to			
NEED SEEL) link. 1	mulch					
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0				. //	11		1

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

OMPANY			ADDRESS					
			ADDRESSCOUNTY					
ARM		DISTRICT		JUNIY				
Filling Material Used								
Liner Loc	eation	Amount	Packer	Location	Location			
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASING AND TUBING				
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LUCATION	RECOVERED	SIZE	LOST		
					-			
rillers' Names					et alle et liet et la service de la completation de la completation de la completation de la completation de l	Best de reference paignétique au manage d'anguer		
111110		-	e transport og spekkel statister her til gjärnegåre e spirate urrege en nyflade og årer elge pro-prosester gjærkelt men som					
emarks:			Moreon - and account of the control		The latest eight digrets in the second second			
	I hamahu wantida I .	rigited the above	e well on this date.					

NOV 2 3 1983

OIL & GAS DIVISION
DEPT. OF MINES

STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

FINAL INSPECTION REQUEST

INSPECTOR'S COMPLIANCE REPORT

47 005 6120	/ Dist Coopt
Permit No. 47-085-6120 County Ritchie	
Tust Other The Test of the Tes	cWhorter
Inspector SAMUEL N. HERSMAN Well No. 5002-	-1
Date July 25, 1983	
	IN COMPLIANCE
RULE DESCRIPTION	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	
•	X
23.04 Reclaimed Drilling Pits	/
23.05 No surface or underground Pollution	<u> </u>
7.03 Identification Markings	_
COMMENTS:	
D.L. TO VELENSE	
•	
	,
I have inspected the above well and (HAVE/HAVE NOT) found it to be	e in compliance with
all of the rules and regulations of the Office of Oil and Gas Depa	artment of Mines of
the State of West Virginia.	11/1
1/lle Uma	Ewood.
SIGNED: // -02	03/29/2
DATE: _//-/6 -83	·



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

WALTER N. MILLER DIRECTOR

December 27, 1983

THEODORE M. STREIT ADMINISTRATOR

Western Reserve Oil & Gas Company, LTD. 2406 Worthington View Parkersburg, W. Va. 26101

Gentlemen:

The required records and reports have been received in this office and the District Inspectors have submitted FINAL INSPECTIONS for the following wells listed below:

RIT-6120 Clellie F. Rexroad/Wilda McWhorter, #5002-1 Grant RIT-6156 Marie Rollisn, #708-2 Grant RIT-6214 Westvaco/James McNamee, #725-2 Grant	PERMIT NUMBER	MBER DISTRICT
RIT-6215 Westvaco/James McNamee, #725-3 Grant RIT-6235 Burl C. Layfield, #729-1 Grant	RIT-6156 RIT-6214 RIT-6215	Grant , #725-2 Grant , #725-3 Grant

In accordance with Chapter 22, Article 4, Section 2, the above captioned wells will remain under bond coverage for "life of wells." Reclamation requirements have

Very truly yours,

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