



1) Date: December 3, 1982
 2) Operator's Well No. Six ~~XX~~ #1
 3) API Well No. 47 85 - 6059
 State County Permit

DRILLING CONTRACTOR:

Haught
 Smithville, W.V.

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

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 1,127' Watershed: Low Gap Run
 District: Grant County: Ritchie Quadrangle: Harrisville 7.5
- 6) WELL OPERATOR Key Oil, Inc. 11) DESIGNATED AGENT Joe McLaughlin
 Address P.O. Box 709 Address P.O. Box 709
 Spencer, W.Va. 25276 Spencer, W.Va. 25276
- 7) OIL & GAS ROYALTY OWNER Ralph K. Six 12) COAL OPERATOR None
 Address 120 W. Main Address
 Harrisville, W.V. Acreage 81.5
- 8) SURFACE OWNER Same 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Address Name None
 Address Acreage
- 9) FIELD SALE (IF MADE) TO: 14) COAL LESSEE WITH DECLARATION ON RECORD:
 Address Name None
 Address
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED Name Samuel N. Hersman Address P.O. Box 66 Smithville, W.V. 26178
- 15) PROPOSED WORK: Drill / Drill deeper / Redrill / Fracture or stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify)
- 16) GEOLOGICAL TARGET FORMATION, Marcellus Shale
- 17) Estimated depth of completed well, 5,900 feet
- 18) Approximate water strata depths: Fresh, 371 feet; salt, 476 feet.
- 19) Approximate coal seam depths: None Is coal being mined in the area? Yes / No

20) 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		Top	Bottom
Conductor	11	ERW	42	X		20'				Kinds
Fresh water	8 5/8	ERW	23	X		1,277'	1,277'	Cement to sur.		
Coal										Sizes
Intermediate	4 1/2	ERW	10.5	X		5,900'	5,900'	As needed		
Production										Depths set
Tubing										Perforations:
Liners										Top Bottom

21) 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.)

22) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or other continuing 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.

23) Required Copies (See reverse side.)

24) Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

Notary: Charles Lewis Manned
 My Commission Expires November 9, 1992

Signed: Joe McLaughlin
 Its: President

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-085-6059

December 3, 1982
 Date 03/29/2024

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 August 3, 1983 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: <u>Blanket</u>	Agent: <u>M.A. M.A.</u>	Flat: <u>M.A. M.A.</u>	Casing: <u>M.A. M.A.</u>	Fee: <u>142</u>
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Fred B. Buehler
 Administrator, Office of Oil and Gas

Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "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.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of 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 than six thousand feet, whatever is shallower.
- 5) Where well is located
- 6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
- 7) Use separate sheet if necessary
- 8) Present surface owner at time application is filed.
- 9) Optional
- 11) See Reg. 7.01 relating to code §22-4-1k
- 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
- 13 & 14) As per §22-4-20; See Note 24
- 15) Work that will be attempted—A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.
- 16) Anticipated formation for which well will be completed
- 17) Self explanatory
- 18) Depth to deepest freshwater, and shallowest salt water taken from nearby wells corrected for differences in elevation
- 19) All coal seam depths
- 20) 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, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
- 21) Code 22-4-11(c) - In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a 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.
- 22) Code 22-4-11(d) and 22-4-11(e).
- 23) 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.
- 24) **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.

WAIVER

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

03/29/2024


Date: _____, 19____


By _____

Its _____

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE _____

LEGEND



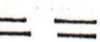

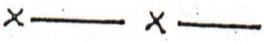

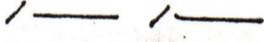



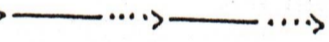

Well Site 

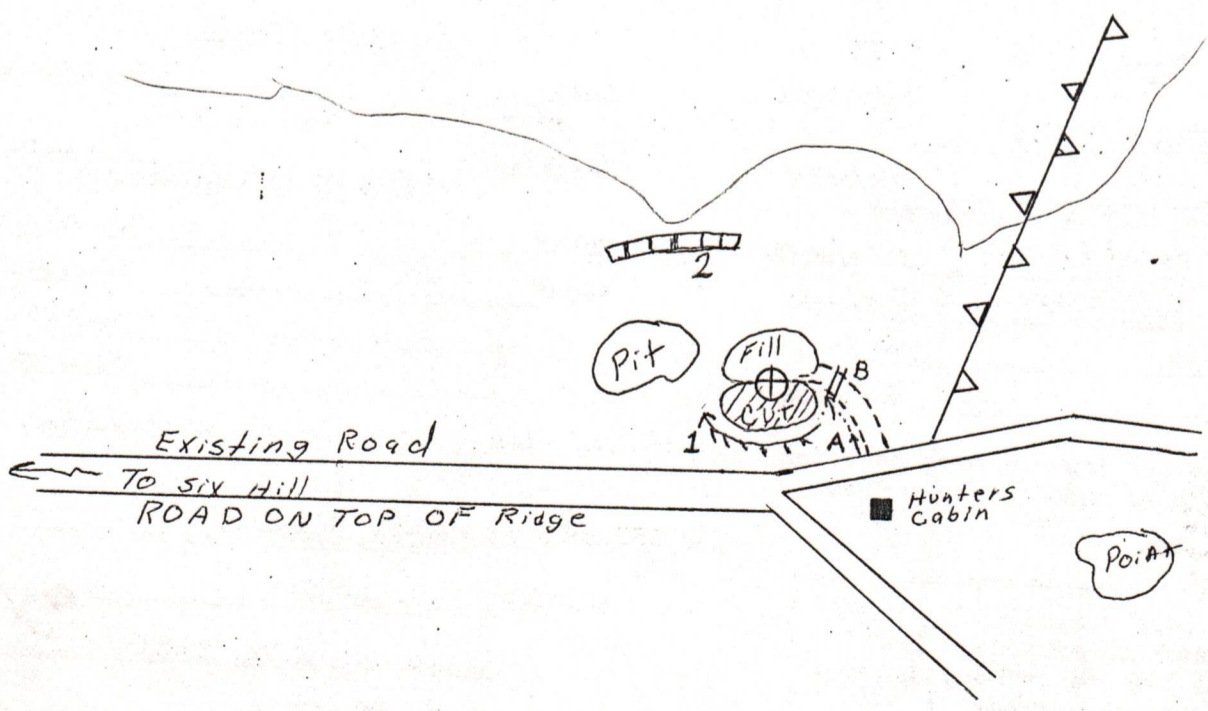
Access Road 

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 	Wet spot 
Planned fence 	Building 
Stream 	Drain pipe 
Open ditch 	Waterway 



03/29/2024



IV-9
(Rev 8-81)

DATE December 2, 1982
WELL NO. Six #31
API NO. 47 - 85 - 6059

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Key Oil Inc. DESIGNATED AGENT Joe McLaughlin
Address P.O. Box 709, Spencer, W.Va. Address P.O. Box 709, Spencer, W.Va. 25276
Telephone 304-927-5490 Telephone 304-927-5490
LANDOWNER Ralph Six et. ux. SOIL CONS. DISTRICT Little Kanawha
Revegetation to be carried out by Key Oil, Inc. (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 12-2-82 (Date)

Jarrett Newton
(SCD Agent)

ACCESS ROAD	LOCATION
Structure <u>Drainage Ditch</u> (A)	Structure <u>Diversion Ditch</u> (1)
Spacing _____	Material <u>Earthen</u>
Page Ref. Manual <u>2-12</u>	Page Ref. Manual <u>2-12</u>
Structure <u>Cross Drain</u> (B)	Structure <u>Sediment Barriers</u> (2)
Spacing <u>10% - 80'</u>	Material <u>Hay or Straw</u>
Page Ref. Manual <u>2-4</u>	Page Ref. Manual <u>2-16</u>
Structure _____ (C)	Structure _____ (3)
Spacing _____	Material _____
Page Ref. Manual _____	Page Ref. Manual _____

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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

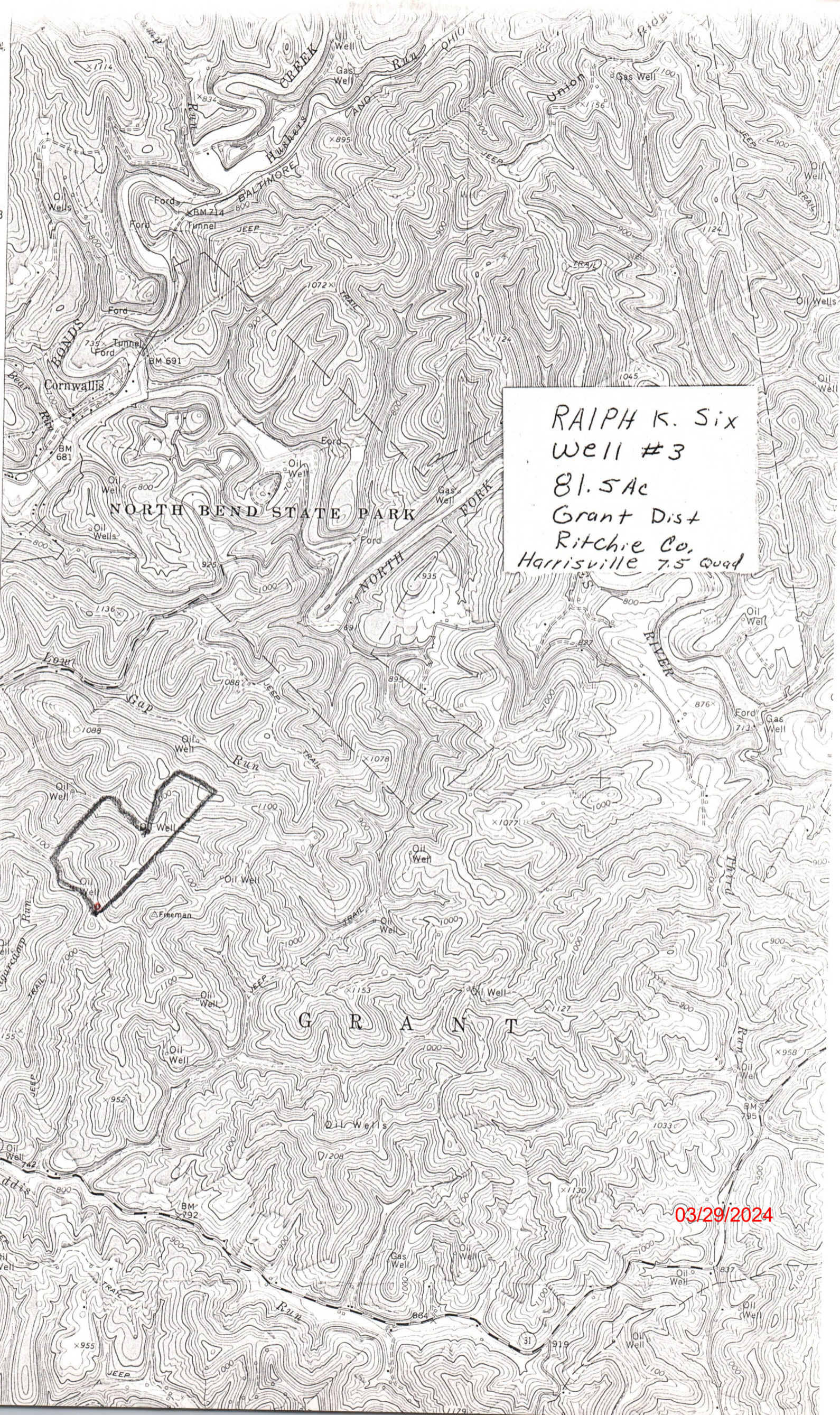
Treatment Area I & II	Treatment Area II
Lime _____ Tons/acre or correct to pH <u>6.5</u>	Lime _____ Tons/acre or correct to pH _____
Fertilizer <u>500</u> lbs/acre (10-20-20 or equivalent)	Fertilizer _____ lbs/acre (10-20-20 or equivalent)
Mulch <u>Hay or Straw 1.5-2.5</u> Tons/acre	Mulch _____ Tons/acre
Seed* <u>Ky. 31 Tall Fescue 20</u> lbs/acre	Seed* _____ lbs/acre
<u>Flatpea 20</u> lbs/acre	_____ lbs/acre
_____ lbs/acre	_____ lbs/acre

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

03/29/2024

PLAN PREPARED BY Charles Maxwell
ADDRESS P.O. Box 709
Spencer, W.Va. 25276
PHONE NO. 304-927-5490

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



RAIPH K. Six
Well #3
81.5Ac
Grant Dist
Ritchie Co,
Harrisville 7.5 Quad

03/29/2024

See Report

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03/29/2024



Key Oil, Inc., 139 Main Street
P.O. Box 709
Spencer, WV 25276
(304) 927-5490

*See Row E
Last row*

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	47-085-6158
47-085-6091	47-085-6189
47-085-6127	47-085-6214
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	

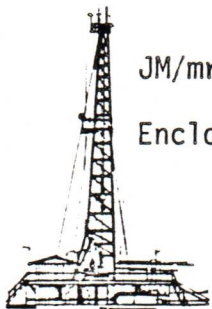
Please amend your records to reflect the proper ownership of said wells.

Very truly yours,

Joe M. Laughlin
Joe McLaughlin
President

JM/mr

Enclosures



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DEPT. OF MINES

03/29/2024

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

Top Stage	3183-3416	25 - 0.39" holes
150 gallons	15% HCl Acid	850,000 scf N ₂
Bottom Stage	3690-4159	30 - 0.39" holes
750 gallons	15% HCl Acid	870,321 scf N ₂

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Siltstone/Shale			1190	1340	
Sand			1340	1420	
Siltstone/Shale			1420	1590	
Sand			1590	1645	
Shale			1645	1675	
Sand			1675	1715	
Shale			1715	1850	
Sand			1850	1865	
Shale			1865	1920	
Limestone			1920	1970	
Sand			1970	2120	
Shale			2120	2130	
Sand			2130	2175	
Shale			2175	2295	
Siltstone			2295	2360	
Shale/Siltstone			2360	2655	
Siltstone			2655	2705	
Shale			2705	2760	
Siltstone			2760	2825	
Siltstone/Shale			2825	2895	
Shale			2895	2945	
Sand			2945	2955	
Shale			2955	3780	
Shale/Siltstone			3780	3950	
Siltstone			3950	3960	
Shale/Siltstone			3960	4411	

(Attach separate sheets as necessary)

KEY OIL, INC.

Well Operator 03/29/2024

By: Barry K. Lay Barry K. Lay

Date: March 25, 1983

Note: Regulation 2.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

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

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OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 85-6059

Oil or Gas Well _____
(KIND)

Company Key Oil Co.
Address _____
Farm Ralph H. Dix
Well No. Dix # 3
District Grant County Petchie
Drilling commenced 12-11-82
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: Haught blue. Tool Pusher John Money penny

Ran 12 18 foot of 8 5/8 casing - B.N. Hughes ran over 300 sacks cement = 8 5/8 casing was blown into. Waited till cement set up. and pressured up - Circulation of pipe is about 7 bl. - May Plug this hole and skid rig and drill new hole

12-13-82
DATE

Samuel N. Harrison
DISTRICT WELL INSPECTOR

03/29/2024

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

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OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 856059

Oil or Gas Well _____
(KIND)

Company <u>Key Oil Co.</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>Ralph N. Six</u>	16			Kind of Packer _____
Well No. <u>Six # 3</u>	13			
District <u>Grant</u> County <u>Pitchie</u>	10			Size of _____
Drilling commenced <u>12-11-82</u>	8 1/4			
Drilling completed _____ Total depth _____	6 3/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ 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: M 12-17-82 on second hole
Ran 1190' foot of 8 5/8 casing. B. J. Hughes ran 59 Bl Cement Slurry
Rig was skidded - old hole had 1218 foot of 8 5/8 casing run with opp 300 sacks
cement - Pipe blew into and split - so cement was pumped down hole and
Back to surface with cement left in casing also = "pumped down to split"
No gas or oil had been drilled into old hole, skidded from

12-17-82
DATE

Samuel N. Hersman
DISTRICT WELL INSPECTOR

03/29/2024

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

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INSPECTOR'S WELL REPORT

Permit No. 085 6059

Oil or Gas Well _____
(KIND)

Company <u>Key oil</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm _____	16			Kind of Packer _____
Well No. _____	13			
District _____ County <u>Ritchie</u>	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 3/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ 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: 5 Kid Hole may need plugged.
Reclamation incomplete.

9 12 83
DATE

Jerry M. T... 03/29/2024
DISTRICT WELL INSPECTOR

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

FINAL INSPECTION REQUEST
INSPECTOR'S COMPLIANCE REPORT

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NOV 8 - 1983

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 47-085-6059
Company KEY OIL, INC.
Inspector SAMUEL N. HERSMAN
Date July 25, 1983

County Ritchie/ Dist-Grant
Farm R. K. Six
Well No. 5000-1

RULE	DESCRIPTION	IN COMPLIANCE	
		Yes	No
23.06	Notification Prior to starting Work	_____	_____
25.04	Prepared before Drilling to prevent waste	_____	_____
25.03	High-Pressure Drilling	_____	_____
16.01	Required Permits at wellsite	_____	_____
15.03	Adequate Fresh Water Casing	_____	_____
15.02	Adequate Coal Casing	_____	_____
15.01	Adequate Production Casing	_____	_____
15.04	Adequate Cement Strength	_____	_____
23.02	Maintained Access Roads	_____	_____
25.01	Necessary Equipment to prevent Waste	_____	_____
23.03	Reclaimed Drilling Site	<u>X</u>	_____
23.04	Reclaimed Drilling Pits	<u>X</u>	_____
23.05	No surface or underground Pollution	_____	_____
7.03	Identification Markings	<u>X</u>	_____

COMMENTS:

O.K TO RELEASE

I have inspected the above well and (HAVE/HAVE NOT) found it to be in compliance with all of the rules and regulations of the Office of Oil and Gas Department of Mines of the State of West Virginia.

SIGNED:

DATE:

Mike Anderson
11-4-83

03/29/2024

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NOV 8 - 1983

DEPT. OF MINES
OIL & GAS DIVISION

03/29/2024



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

WALTER N. MILLER
 DIRECTOR

THEODORE M. STREIT
 ADMINISTRATOR

November 28, 1983

Key Oil, Inc.
 P. O. Box 709
 Spencer, W. Va. 25276

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:

<u>PERMIT NUMBER</u>	<u>FARM AND WELL NUMBER</u>	<u>DISTRICT</u>
RIT-6059	Ralph K. Six, #1	Grant
RIT-6091	Ralph K. Six, #5000-2	Grant
RIT-6127	Ralph K. Six, #5000-3	Grant
RIT-6158	A. M. Douglass Heirs/Louis Six, #717-1	Grant
RIT-6189	Clifton Valentine/Clellie Rexroad, #721-1	Grant
RIT-6216	James McNamee/Westvaco, #725-4	Grant
RIT-6217	James McNamee/Westvaco, #725-5	Grant
RIT-6290	E. D. Salmons, #728-1	Grant
RIT-6294	E. D. Salmons, #731-1	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 been approved.....

Very truly yours,

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

03/29/2024

RECEIVED

Row E

DEC 13 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

255

A S S I G N M E N T

THIS ASSIGNMENT, Made and entered into this 1st day of December, 1982, by and between HAUGHT, INC., a West Virginia corporation, 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 of 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 Ralph Six Lease, containing 81-1/2 acres, and leases dated January 2, 1978, are of record in the Ritchie County Clerk's Office in Lease Book 125, at page 588, and Lease Book 129, at page 477.

It is understood between the parties hereto that all drilling rights from the surface to the base of the Big Injun Sand have previously been assigned to Reserve Associates.

It is further understood between the parties hereto that the party of the first part hereby reserves 1/16 of 7/8 overriding royalty free of all costs in the lease hereby assigned.

WITNESS the following signature.

HAUGHT, INC.,

By: *Warren R. Haught*
WARREN R. HAUGHT, President

03/29/2024

STATE OF WEST VIRGINIA,

COUNTY OF WOOD, TO-WIT:

I, Jack W. Lloyd, a Notary Public in and for the county and state aforesaid, do hereby certify that WARREN R. HAUGHT, the President of HAUGHT, INC., a West Virginia corporation, whose name is signed to the foregoing writing, bearing date the 1st day of December, 1982, has this day acknowledged the same before me in my said county, to be the act and deed of said corporation.

Given under my hand this 1 day of December, 1982.

My commission expires: Feb. 23, 1992.

Jack W. Lloyd
Notary Public in and for
Wood County, West Virginia

STATE OF WEST VIRGINIA,

(Form CC No. 1)

Ritchie County Commission Clerk's Office, _____, December 9th, 1982 at 9:20 o'clock A.M.

The foregoing writing, with the certificate of acknowledgment thereto, was this day admitted to record in said office.

Teste: Linda B. Mang, Clerk

This Instrument Prepared By:
R. BRUCE WHITE, Attorney at Law
217 Fourth Street, P. O. Box 1016
Parkersburg, WV 26101

03/29/2024

DEC 13 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

257

A S S I G N M E N T

THIS ASSIGNMENT, Made and entered into this 7th 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 considerations, 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 that certain leasehold estate lying and being situate in Grant District, Ritchie County, West Virginia, and more specifically referred to as the Ralph Six Lease containing 81½ acres, and leases dated January 2, 1978, are of record in the Ritchie County Clerk's Office in Lease Book 125, at page 588, and in Lease Book 129, at page 477.

It is understood between the parties hereto that all drilling rights from the surface to the base of the Big Injun Sand have previously been assigned to Reserve Associates.

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

BY Mildred G. Taylor

Mildred G. Taylor, a Partner

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

I, Hazel Perrine, a Notary Public in and for the county and state aforesaid, do hereby certify that Mildred G. Taylor, partner of M & J Joint Venture, whose name is signed to the foregoing writing, bearing date the 7th 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 7th day of December, 1982.

My commission expires: April 16, 1985

Hazel Perrine
Notary Public

This instrument prepared by:
M & J Joint Venture
P. O. Box 727
Spencer, WV 25276

STATE OF WEST VIRGINIA,

03/29/2024
(Form CC No. 1)

Ritchie County Commission Clerk's Office, _____ December 9th _____, 19 82 at 9:20 o'clock A.M.

The foregoing writing, with the certificate of acknowledgment thereto, was this day admitted to record in said office.

Teste: Linda B. Mays, Clerk

AGREEMENT, made and entered into the 2nd day of January 1978 by and between Ralph K Six & his wife Eleanor L.

Ogm of P. O. County of and state of part of the first part,

hereinafter called Lessors, whether one or more, and Haught Inc party of the second part, hereinafter called Lessee.

222 WITNESSETH, that the said Lessors for and in consideration of the sum of one Dollars to them in hand well and truly paid by said Lessee, the receipt of which is hereby acknowledged, and of the covenants and agreements hereinafter contained on the part of the said Lessee, to be paid, kept and performed, have granted, demised, leased and let and by these presents do grant, demise, lease and let with covenants of quiet possession, and that they have the sole right so to grant and demise, unto the said Lessee, its successors and assigns, for the purpose of mining and operating for oil and gas, and of building tanks, stations, power plants, water stations and structures thereon to take care of the said products, and of laying pipe lines on, over and across the leased premises and other lands of Lessors, for the purpose of conveying oil, gas, steam or water therein from and to wells and pipe lines on the premises and on adjoining and adjacent farms, and rights of way for road ways over this and other land of Lessors.

All that certain tract of land situate in Grant District Ritchie County and State of West Virginia on the waters of Low Gap Run

bounded as follows: On the North by lands of Naughton heirs Now Herron Wilson-L.B. Burgy On the East by lands of Mack Mason Now W. Va. Pulp-Herron Est.-Charley Cunningham On the South by lands of L Simmons & Sophia Rollins Now Lewis SIX On the West by lands of Martin M Parks NOW R.C. Six- Herron Wilson

Containing Eighty one and one half (---81 1/2) acres, more or less, being land purchased from by deed dated recorded Deed Book 178 page 554 reserving, however, therefrom all lands within two hundred feet of the resident buildings now on the premises on which no well shall be drilled by either party except by mutual consent.

It is agreed that this lease shall remain in force for the term of Two (2) years from this date and as long thereafter as oil or gas, or either of them, is produced from the said lands by the said Lessee, its successors and assigns.

In Consideration of the Premises the said party of the second part, covenants and agrees: 1st—to deliver to the credit of the Lessors, Their equal share of 1/8th their heirs or assigns, free of cost, in the pipe line to which Lessee may connect its wells, the equal one-eighth (1/8) part of all oil produced and saved from the leased premises; and second, to pay Their equal share of the 1/8th

one-eighth (1/8) of the value at the well of the gas from each and every gas well drilled on said premises, the product from which is marketed and used off the premises, said gas to be measured at a meter set on the farm. The Lessee shall not be required in any event to increase the rate of said gas well payments or said royalty of oil by reason of any royalty or interest in said oil or gas that may have been heretofore sold, reserved or conveyed by Lessors or their predecessor in title or otherwise. And any such outstanding royalty or interest shall first be deducted from the royalties and rentals above provided to be paid or delivered.

It is agreed by the parties hereto that the Lessee, its successors or assigns, shall have the right to use off the farm for such purposes as it may desire, "Casing Head Gas," (being gas produced from wells on the premises), but if said "casing head gas" or any part thereof should be manufactured into gasoline or other by-products by said company, said Lessors shall receive Their equal share of the 1/8th one-eighth of the net value at the factory of the gasoline and other by-products so manufactured.

Lessee may lay a line to any well producing gas only on said land or to second party's pipe line leading from said well to market, to take gas produced from said well for own use for heat and light in one dwelling house on said land at Lessor's own risk, subject to the use, operation, pumping and right of abandonment of the well and pipe line by the Lessee; the first two hundred thousand cubic feet of gas so taken in each year shall be free, but all gas in excess of two hundred thousand cubic feet taken in each year shall be paid for by the Lessor at the current published local rates of the Lessee, and measurement and regulation shall be by meter and regulators set at the tap on the well or line. This privilege is upon condition that the Lessor shall use said gas with economy, in safe and proper pipes and appliances, and shall subscribe to and be bound by reasonable rules and regulations of the Lessee published at such time relating to such use of gas.

Lessee covenants and agrees to locate all wells so as to interfere as little as possible with the cultivated portion of the farm. And it is agreed that the leased premises may be fully and freely used by the Lessors for farming purposes, excepting such parts as are used by the Lessee in operating hereunder, and, further, that the said Lessee may drill or not drill on said land, as it may elect, and that the consideration and rentals paid and to be paid constitute adequate compensation for such privilege.

The said Lessee covenant and agrees to pay rental at the rate of their proportion of one dollar per acre per year (\$ -20.37-) Dollars, quarterly in advance, beginning in date of final acknowledgement hereon--- months from this date, until, but not after, a well yielding royalty to the Lessors in drilled on the leased premises, and any rental paid for time beyond the date of completion of a gas well shall be credited upon the first royalty due upon the same and all rentals shall cease after the surrender of this lease as hereinafter provided for. All payments for delay, for gas produced and marketed, for gasoline and other by-products may be made direct to the lessors or be deposited to their credit, or to the credit of their heirs or assigns in the

Bank of or by check mailed to Ralph K Six at Harrisville WV P. O., County State of ; such payments may be also made in the same manner to who is hereby appointed agent for the lessors to receive the same.

It is agreed that the Lessee is to have the privilege of using free, sufficient water and gas from the said premises to run all machinery necessary for drilling and operating thereon at any time to remove all machinery and fixtures placed on said premises; and further, upon the payment of one (\$1.00) Dollar at any time, by the party of the second part, or by its successors and assigns it or they shall have the right to surrender this lease for cancellation, after which all payments and liabilities thereafter to accrue under and by virtue of its terms shall cease and determine, and this lease becomes absolutely null and void.

Lessors agree that the recordation of a deed of surrender in the proper county, and the mailing in the post office, payable as above provided, for said last mentioned sum and all amounts then due hereunder, shall be a full surrender and termination of this lease. All provisions of this lease shall be binding upon the heirs, executors, administrators, successors and assigns of the parties hereto. In Witness Whereof, the parties of this agreement have hereunto set their hands and seals the day and year first, above written.

Witness: Ralph K Six Eleanor L Six

RECEIVED (Seal) DEC 03 1982 (Seal) OIL & GAS DIVISION (Seal) DEPT. OF MINES (Seal)

478 This instrument was prepared by Daniel Tingler

State of West Virginia County of Ritchie to-wit:
I, Daniel Cleveland Tingler
Notary Public of said County of Statewide do certify that
Ralph K Six and Eleanor L Six

his wife, whose name s are signed to the writing above bearing date the 2nd day of
January A. D. 1978 has _____ this day acknowledged the same before me
in my said county.
Given under my hand this 30th day of January A. D. 1978
Daniel Cleveland Tingler
Notary Public Statewide County, WV
My Commission expires July 25, 1987

State of _____ County of _____ to-wit:
I, _____
_____ of said County of _____ do certify that
_____ and _____

his wife, whose name _____ signed to the writing above bearing date the _____ day of
_____ A. D. 19 _____ has _____ this day acknowledged the same before me
in my said county.
Given under my hand this _____ day of _____ A. D. 19 _____
Notary Public _____ County, _____
My Commission expires _____

State of _____ County of _____ to-wit:
I, _____
_____ of said County of _____ do certify that
_____ and _____

his wife, whose name _____ signed to the writing above bearing date the _____ day of
_____ A. D. 19 _____ has _____ this day acknowledged the same before me
in my said county.
Given under my hand this _____ day of _____ A. D. 19 _____
Notary Public _____ County, _____
My Commission expires _____

_____ of One Dollar cash in hand paid, receipt of which is hereby acknowledged.

STATE OF WEST VIRGINIA, (Form CC No. 1)

Ritchie County Commission Clerk's Office, _____ December 5th _____, 19 79 _____ at 12:03 o'clock P. M.

The foregoing writing, with the certificate of acknowledgment thereto, was this day admitted to record in said office.

Teste: Linda B. Massey, Clerk

Ralph K. Six, et ux
Lease to
Haught, Inc.

03/29/2024

Filed and admitted to record in the office
of the Clerk of the County Commission of Ritchie
County, W. Va. DEC 5 1979
19 _____ at 12:03 o'clock P.
Recorded in _____
Book No. 129 Page 477
Teste: Linda B. Massey
Clerk

Ogm

County of _____ and state of _____ part _____ of the first part,

hereinafter called Lessors, whether one or more, and Haught Inc

223 WITNESSETH, that the said Lessors for and in consideration of the sum of one Dollars to them in hand well and truly paid by said Lessee, the receipt of which is hereby acknowledged, and of the covenants and agreements hereinafter contained on the part of the said Lessee, to be paid, kept and performed, have granted, demised, leased and let and by these presents do grant, demise, lease and let with covenants of quiet possession, and that they have the sole right so to grant and demise, unto the said Lessee, its successors and assigns, for the purpose of mining and operating for oil and gas, and of building tanks, stations, power plants, water stations and structures thereon to take care of the said products, and of laying pipe lines on, over and across the leased premises and other lands of Lessors, for the purpose of conveying oil, gas, steam or water therein from and to wells and pipe lines on the premises and on adjoining and adjacent farms, and rights of way for road ways over this and other land of Lessors.

All that certain tract of land situate in Grant District Ritchie
County and State of West Virginia on the waters of Addis Run

bounded as follows:

On the North by lands of Rosetta Moats Now Thoms Headlee-Jane Stephens-William Money penny
On the East by lands of John Taylor Now Jim Rollins
On the South by lands of Mrs Daniel Weaver Now RT 31- Carrol McGinns-
On the West by lands of J H Davidson Now William Money penny

Containing Ninety two and one half acres ----- (92 1/2 acres, more or less, being land purchased from _____ by deed dated _____ recorded Deed Book 131 page 409 reserving, however, therefrom all lands within two hundred feet of the resident buildings now on the premises on which no well shall be drilled by either party except by mutual consent.

It is agreed that this lease shall remain in force for the term of Two (2) years from this date and as long thereafter as oil or gas, or either of them, is produced from the said lands by the said Lessee, its successors and assigns.

In Consideration of the Premises the said party of the second part, covenants and agrees: 1st—to deliver to the credit of the Lessors, their heirs or assigns, free of cost, in the pipe line to which Lessee may connect its wells, Their equal share of 1/8th the equal one-eighth (1/8) part of all oil produced and saved from the leased premises; and second, to pay Their equal share of the 1/8th

one-eighth (1/8) of the value at the well of the gas from each and every gas well drilled on said premises, the product from which is marketed and used off the premises, said gas to be measured at a meter set on the farm.

The Lessee shall not be required in any event to increase the rate of said gas well payments or said royalty of oil by reason of any royalty or interest in said oil or gas that may have been heretofore sold, reserved or conveyed by Lessors or their predecessor in title or otherwise. And any such outstanding royalty or interest shall first be deducted from the royalties and rentals above provided to be paid or delivered.

It is agreed by the parties hereto that the Lessee, its successors or assigns, shall have the right to use off the farm for such purposes as it may desire, "Casing Head Gas," (being gas produced from wells on the premises), but if said "casing head gas" or any part thereof should be manufactured into gasoline or other by-products by said company, said Lessors shall receive Their equal share of the 1/8th

Lessor may lay a line to any well producing gas only on said land or to second party's pipe line leading from said well to 1/8th to take gas produced from said well for _____ own use for heat and light in one dwelling house on said land at Lessor's own risk, subject to the use, operation, pumping and right of abandonment of the well and pipe line by the Lessee; the first two hundred thousand cubic feet of gas so taken in each year shall be free, but all gas in excess of two hundred thousand cubic feet taken in each year shall be paid for by the Lessor at the current published local rates of the Lessee, and measurement and regulation shall be by meter and regulators set at the tap on the well or line. This privilege is upon condition that the Lessor shall use said gas with economy, in safe and proper pipes and appliances, and shall subscribe to and be bound by reasonable rules and regulations of the Lessee published at such time relating to such use of gas.

Lessee covenants and agrees to locate all wells so as to interfere as little as possible with the cultivated portion of the farm. And it is agreed that the leased premises may be fully and freely used by the Lessors for farming purposes, excepting such parts as are used by the Lessee in operating hereunder, and, further, that the said Lessee may drill or not drill on said land, as it may elect, and that the consideration and rentals paid and to be paid constitute adequate compensation for such privilege.

The said Lessee covenant and agrees to pay rental at the rate of their proportion of one dollar per acre per year ----- (\$ 23.12) Dollars, quarterly in advance, beginning in date of fina

acknowledgement hereon ----- months from this date, until, but not after, a well yielding royalty to the Lessors in drilled on the leased premises, and any rental paid for time beyond the date of completion of a gas well shall be credited upon the first royalty due upon the same and all rentals shall cease after the surrender of this lease as hereinafter provided for. All payments for delay, for gas produced and marketed, for gasoline and other by-products may be made direct to the lessors or be deposited to their credit, or to the credit of their heirs or assigns in the _____

Bank of _____ or by check mailed to Ralph K Six
at Harrisville WV P. O., _____ County
State of _____; such payments may be also made in the same manner to _____ who is hereby appointed agent for the lessors to receive the same.

It is agreed that the Lessee is to have the privilege of using free, sufficient water and gas from the said premises to run all machinery necessary for drilling and operating thereon at any time to remove all machinery and fixtures placed on said premises; and further, upon the payment of one (\$1.00) Dollar at any time, by the party of the second part, or by its successors and assigns it or they shall have the right to surrender this lease for cancellation, after which all payments and liabilities thereafter to accrue under _____ its terms shall cease and determine, and this lease becomes absolutely null and void.

Lessors agree that the recordation of a deed of surrender in the proper county, and the mailing in the postoffice of a check, payable as above provided, for said last mentioned sum and all amounts then due hereunder, shall be a full surrender and termination of this lease.

All provisions of this lease shall be binding upon the heirs, executors, administrators, successors and assigns of the parties hereto. In Witness Whereof, the parties of this agreement have hereunto set their hands and seals the day and year first, above written.

Witness:
Ralph K Six _____ (Seal)
Conrad H Six _____ (Seal)
Lucy Leona Six _____ (Seal)

03/29/2024

476 This instrument was prepared By Daniel Tingler

State of West Virginia County of Ritchie to-wit:
I, Daniel Cleveland Tingler
Notary Public of said County of Statewide do certify that
Ralph K Six and Eleanor L Six

his wife, whose name s are signed to the writing above bearing date the 2nd day of January A. D. 19 78 ha this day acknowledged the same before me in my said county.
Given under my hand this 30th day of January A. D. 19 78
Daniel Cleveland Tingler
Notary Public Statewide County WV
My Commission expires July 25, 1987

State of West Virginia County of Ritchie to-wit:
I, Daniel Cleveland Tingler
Notary Public of said County of Statewide do certify that
Conrad H Six and Eva Jo Six

his wife, whose name s are signed to the writing above bearing date the 2nd day of January A. D. 19 78 ha this day acknowledged the same before me in my said county.
Given under my hand this 30th day of January A. D. 19 78
Daniel Cleveland Tingler
Notary Public Statewide County WV
My Commission expires July 25, 1987

State of West Virginia County of Ritchie to-wit:
I, Daniel Cleveland Tingler
Notary Public of said County of Statewide do certify that
Lucy Leona Six and

his wife, whose name is signed to the writing above bearing date the 2nd day of January A. D. 19 78 ha this day acknowledged the same before me in my said county.
Given under my hand this 30th day of January A. D. 19 78
Daniel Cleveland Tingler
Notary Public Statewide County WV
My Commission expires July 25, 1987

STATE OF WEST VIRGINIA, (Form CC No. 3)

Ritchie County Commission Clerk's Office December 5th, 19 79 at 12:03 o'clock P. M.

The foregoing writing, with the certificates of acknowledgment thereto, was this day admitted to record in said office.

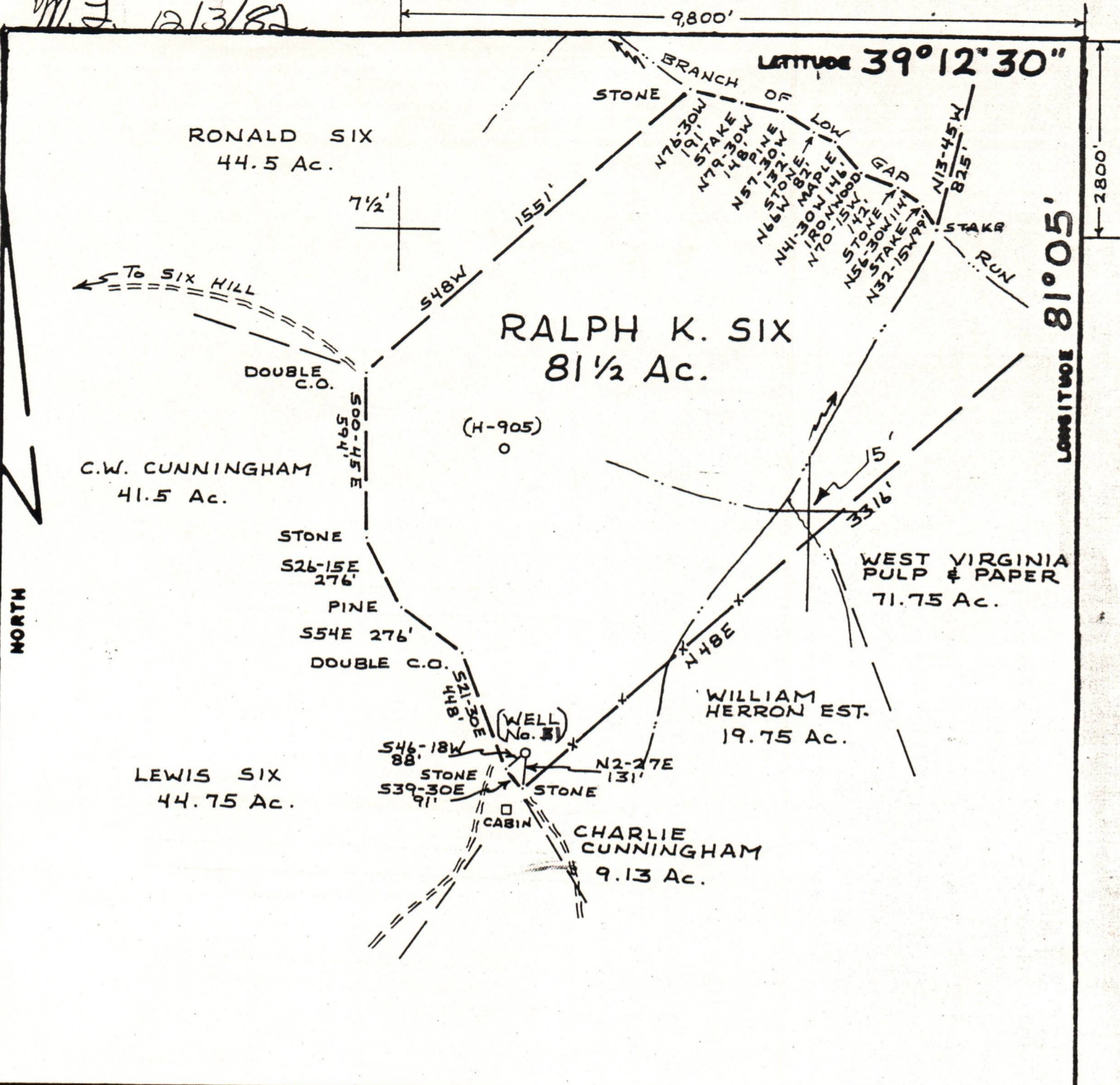
Teste: Linda B. Masel, Clerk

Ralph K. Six, et al
Lease to
Haught, Inc.

03/29/2024

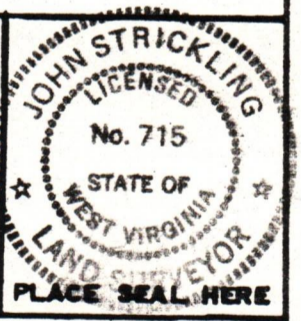
Filed and admitted to record in the office of the Clerk of the County Commission of Ritchie County, W. Va. DEC 5 1979
19 at 12:03 o'clock P
Recorded in f-c-222
Book No. 129 Page 475
Teste: Linda B. Masel

M.J. 12/3/82



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION HIGH KNOB
 ELEV. 1179'

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) John Strickling
 R.P.E. _____ L.L.S. 715



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6
 (8-79)



DATE 2 DECEMBER, 1982
 OPERATOR'S WELL NO. 31
 API WELL NO. 47-085-6059
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS", PRODUCTION STORAGE _____ DEEP _____ SHALLOW _____
 LOCATION: ELEVATION 1127' WATER SHED LOW GAP RUN
 DISTRICT GRANT COUNTY RITCHIE
 QUADRANGLE HARRISVILLE, W.VA. 7 1/2'
 SURFACE OWNER RALPH K. SIX, ET. UX. ACREAGE 81 1/2
 OIL & GAS ROYALTY OWNER RALPH K. SIX, ET. UX. LEASE ACREAGE 81 1/2
 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 5,700'
 WELL OPERATOR KEY OIL, INC. DESIGNATED AGENT JOE McLAUGHLIN
 ADDRESS P.O. BOX 709 ADDRESS P.O. BOX 709
SPENCER, W.VA. 25276 SPENCER, W.VA. 25276

03/29/2024