



1) Date: February 10, 19 83
 2) Operator's Well No. 724-1
 3) API Well No. 47 - 85 - 6253
 State West Virginia County Putnam Permit

DRILLING CONTRACTOR:

Unknown

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: 917' Watershed: Addis Run
 District: Grant County: Ritchie Quadrangle: Cairo 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.V. 25276 Spencer, W.V. 25276
- 7) OIL & GAS ROYALTY OWNER Emma Carpenter etal 12) COAL OPERATOR None
 Address 4507 Wheatland Address
Enid, Oklahoma 73701
- 8) SURFACE OWNER Same 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Address Name None
 Address
- 9) FIELD SALE (IF MADE) TO:
 Address Name
 Address
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Samuel Hersman Address
 Address P.O. Box 709 Spencer, W.V. 25276
- 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, 360' feet; salt, 455' feet.
 19) Approximate coal seam depths: None Is coal being mined in the area? Yes / No

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 FEB 15 1983
 OIL AND GAS DIVISION
 WV DEPARTMENT OF MINES

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		
Conductor	11	ERW	42	X		20'			Kinds
Fresh water	8 5/8	ERW	23	X		1017'	1017'	To Surface	
Coal									Sizes
Intermediate	4 1/2	ERW	10.5	X		5,900'	5,900'	As Needed	
Production									Depths set
Tubing									
Liners									Perforations:
									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 Maxwell
 My Commission Expires November 9, 1992

Signed: Joe McLaughlin
 Its: President

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-085-6253

Date February 15, 1983
08/18/2023

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 October 15, 1983 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BB</u>	Agent: <u>10</u>	Plat: <u>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>281</u>
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[Signature]
 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.

Date: _____, 19_____

By _____

Its _____

08/18/2023



DATE 10 February 1983
WELL NO. 724-1
API NO. 47 - 085 - 6253

Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Key Oil, Inc.
DESIGNATED AGENT Joe McLaughlin

Address PO Box 709 Spencer WV 25276

Telephone 927-5490

SOIL CONS. DISTRICT Little Kanawha

Telephone 927-5490

Revegetation to be carried out by Key Oil, Inc. (Joe McLaughlin) (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections

and additions become a part of this plan:

2-15-83

(Date)

Janet Newton
(SCD Agent)

ACCESS ROAD

Structure Cross Drains (A)

Spacing 60'

Page Ref. Manual 2-1

Structure Drainage Ditch (B)

Spacing N/A

Page Ref. Manual 2-12

Structure Road Culvert (C)

Spacing at drain

Page Ref. Manual 2-7

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

Lime or correct to pH 6.5 Tons/acre

Fertilizer 500 lbs/acre

(10-20-20 or equivalent)

Mulch Silva Fiber Tons/acre

Seed* KY 31 Tall Rescue 20lbs/acre

Flatpa 20lbs/acre

lbs/acre

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

Treatment Area II

Lime or correct to pH Tons/acre

Fertilizer lbs/acre

(10-20-20 or equivalent)

Mulch Tons/acre

Seed* lbs/acre

lbs/acre

lbs/acre

PLAN PREPARED BY John Strickling

ADDRESS Court Street

West Union, WV 26456

PHONE NO. 873-2567

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

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

FEB 15 1983

Structure (3)

Page Ref. Manual 2-16

Material Hay or Straw Bales

Structure Sediment Barriers (2)

Page Ref. Manual 2-12

Material Soil

Structure Diversion Ditch (1)

LOCATION

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08/18/2023

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

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OCT 21 1983

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 85-6253

Oil or Gas Well _____
(KIND)

Company Key Oil Inc.
 Address _____
 Farm Emma Carpenter
 Well No. 724-1
 District Grant County Pitkin
 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 3/8			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 _____

Status Report

Remarks: Location made but never drilled has been reclaimed but should be reseeded can not release

10-18-83
DATE

Samuel M. Hersman
DISTRICT WELL INSPECTOR

08/18/2023

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS
NOTICE OF EXPIRED PERMIT

RECEIVED

JUL 15 1985

OIL & GAS DIVISION
DEPT. OF MINES

Permit number: 47- 85-6253
Company: KEY OIL CO.
Date: 27-Jun-85
Date issued: 2/15/83

County: RITCHIE
Farm: HERBERT CARPENTER 724-1
Well no.:
Date expired: / / 0

I have inspected the above wellsite and found no well work done. Please
cancel this well work permit.

Signed: *Samuel N. Keroman*
Date: 7-11-85

08/18/2023

RECEIVED

JUL 15 1985

DEPT. OF MINES
OIL & GAS DIVISION

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS
NOTICE OF EXPIRED PERMIT

County: RITCHIE
Farm: HERBERT CARPENTER 734-1
Well no.:
Date expired: X 0

Permit number: 47-82-6223
Company: KEY OIL CO.
Date: 27-Jun-82
Date issued: 2/12/83

I have inspected the above well site and found no well done. Please
cancel this well permit.

Signed: *James M. ...*

Date: 7-11-85



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 DIVISION OF OIL AND GAS
 1615 Washington Street, East
 Charleston, West Virginia 25311
 Telephone: 348-3500

ARCH A. MOORE, JR.
 Governor

July 29, 1985

Key Oil Company
 P. O. Box 709
 Spencer, West Virginia 25276

In Re: Permit No: 47-985-6253
 Farm: Herbert Carpenter
 Well No: 724-1
 District: Grant
 County: Ritchie
 Issued: 2-15-83

Gentlemen:

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

 The well designated by the above captioned permit number has been released under your Blanket Bond.

 Please return the enclosed cancelled single bond which covered the well designated by the above permit number to the surety company who executed said bond in your behalf, in order that they may give you credit on their records.

 Your well record was received and reclamation requirements approved. In accordance with Chapter 22B, Article 1, Section 26, the above captioned well will remain under bond coverage for life of the well.

XXXXX PERMIT CANCELLED - NEVER DRILLED

Very truly yours,

Theodore M. Streit

TMS/ nw

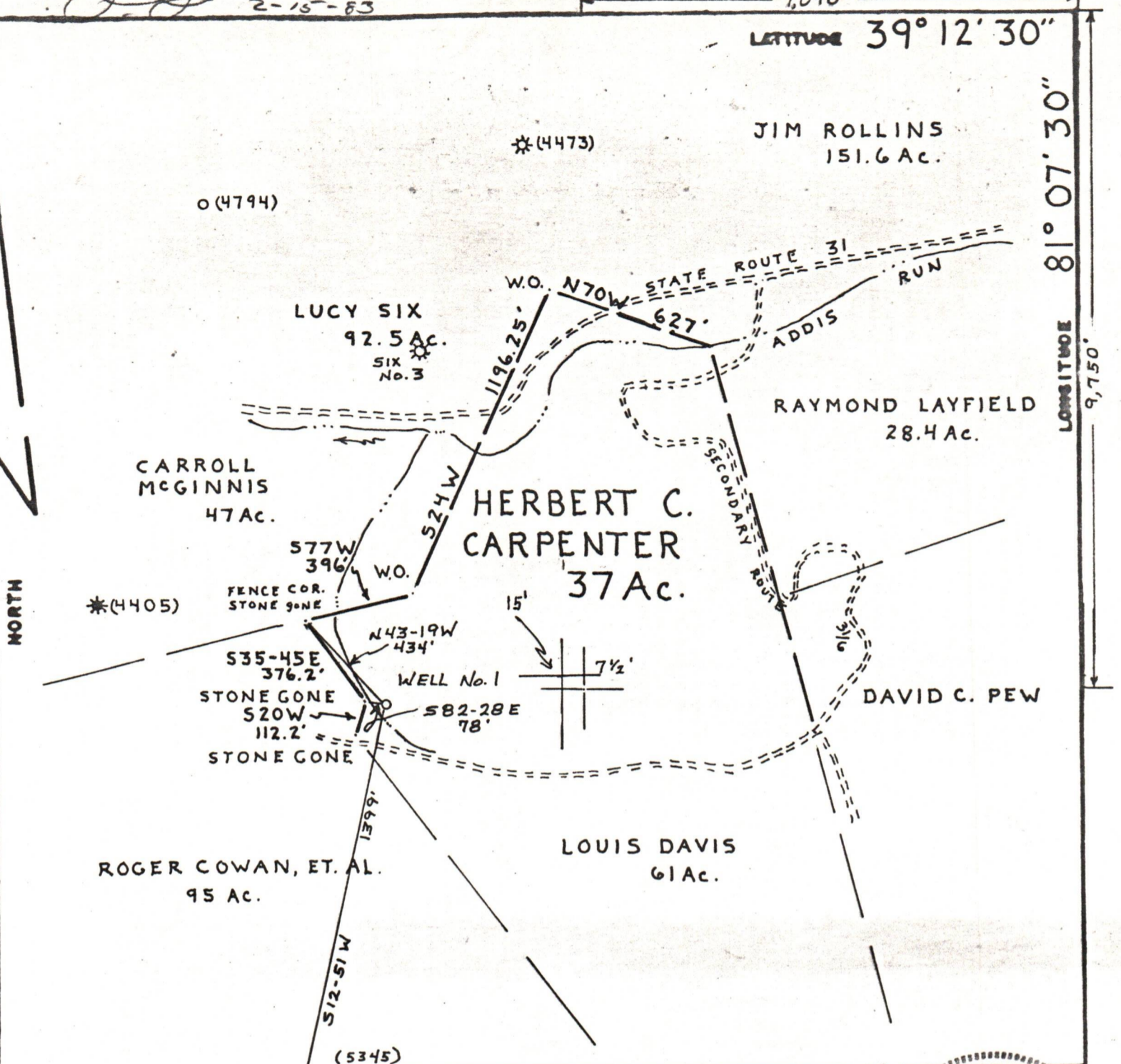
08/18/2023

2-15-83

7,090'

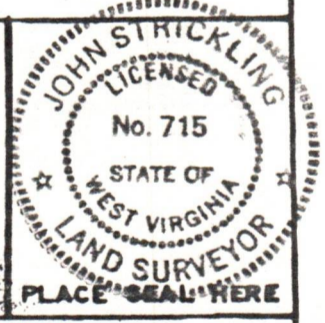
LATITUDE 39° 12' 30"

LONGITUDE 81° 07' 30"



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION ROAD INT. ELEV. 941'

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
 (8-78)



DATE FEBRUARY 10 1983
 OPERATOR'S WELL NO. 724-1
 API WELL NO. 47-085-6253
 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 917' WATER SHED ADDIS RUN
 DISTRICT GRANT COUNTY RITCHIE
 QUADRANGLE CAIRO, W. VA. 7 1/2'
 SURFACE OWNER HERBERT M. CARPENTER ACREAGE 37
 OIL & GAS ROYALTY OWNER HERBERT M. CARPENTER LEASE ACREAGE 37
 LEASE NO. 724
 PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUS OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

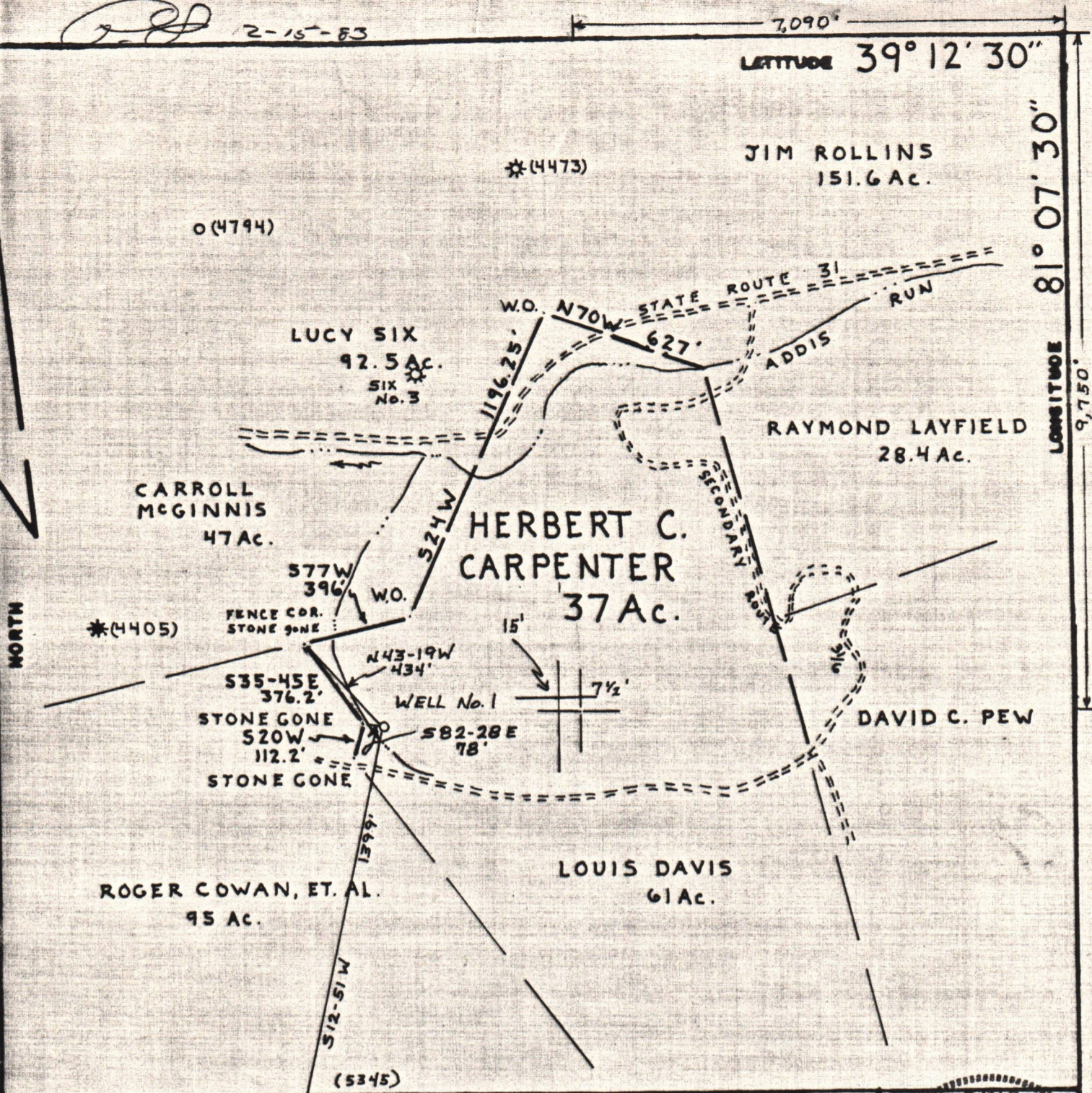
PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION MARCELLUS SHALE ESTIMATED DEPTH 5700'
 WELL OPERATOR KEY OIL, INC. DESIGNATED AGENT JOE McLAUGHLIN
 ADDRESS P.O. BOX 709 ADDRESS P.O. BOX 709
SPENCER, W. VA. 25276 SPENCER, W. VA. 25276

cancelled
 08/18/2023

2-15-83

7,090' LATITUDE 39° 12' 30"

LONGITUDE 81° 07' 30" 9,750'



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION ROAD INT. ELEV. 941'

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.
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DATE FEBRUARY 10 1983
 OPERATOR'S WELL NO 724-1
 API WELL NO. 47-085-6253
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

Cancelled

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS", PRODUCTION STORAGE ___ DEEP ___ SHALLOW)
 LOCATION: ELEVATION 917' WATER SHED ADDIS RUN
 DISTRICT GRANT COUNTY RITCHIE
 QUADRANGLE CAIRO, W. VA. 7 1/2'
 SURFACE OWNER HERBERT M. CARPENTER ACREAGE 37
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PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
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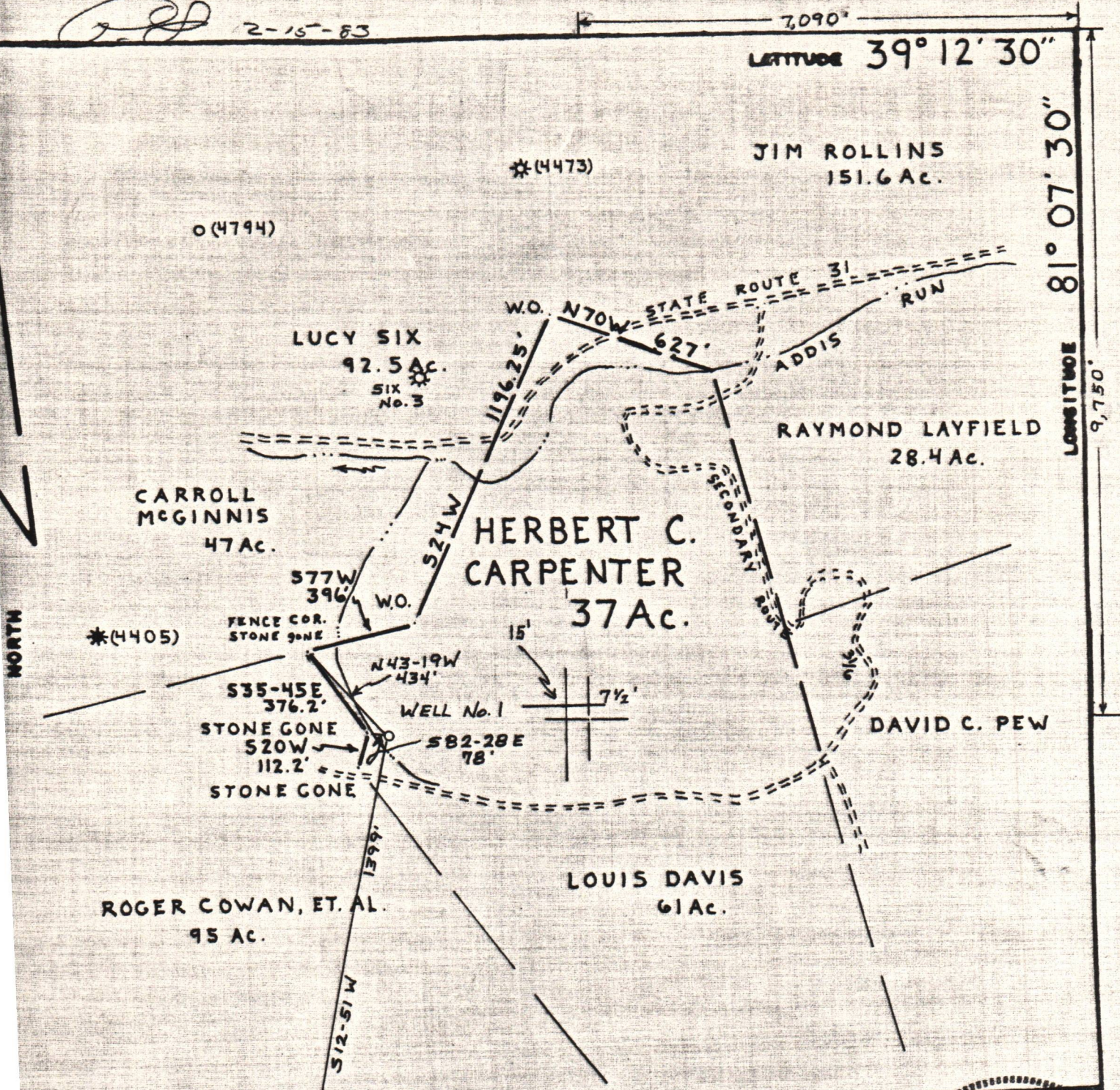
RIT-6253

08/28/2023

2-15-83

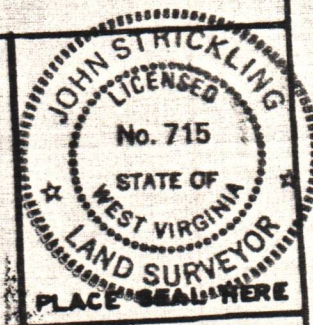
7,090' LATITUDE 39° 12' 30"

LONGITUDE 81° 07' 30" 9,750'



FILE NO. _____
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 PROVEN SOURCE OF ELEVATION ROAD INT. ELEV. 941'

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 R.P.E. _____ L.L.S. 715



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



DATE FEBRUARY 10 1983
 OPERATOR'S WELL NO. 724-1
 API WELL NO. 47-085-6253
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___
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 ADDRESS P.O. BOX 709 ADDRESS P.O. BOX 709
SPENCER, W. VA. 25276 SPENCER, W. VA. 25276

Cancelled

08/18/2023