



WELL RECORD, FORM OG-10, MUST BE SUBMITTED TO OBTAIN RELEASE OF WELL UNDER BOND.

STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

NOTICE OF PROPOSED LOCATION OF OIL AND GAS WELL

To THE DEPARTMENT OF MINES, Charleston, W. Va.

None. COAL OPERATOR OR COAL OWNER

Eddie A. Kirby NAME OF WELL OPERATOR

ADDRESS

Big Bend, West Virginia 26136. COMPLETE ADDRESS

COAL OPERATOR OR COAL OWNER

April 12, 19 68. PROPOSED LOCATION

ADDRESS

Lee District

Cecil Hughes OWNER OF MINERAL RIGHTS

Calhoun County

Annamorrah, West Virginia. ADDRESS

Well No. 2.

O. J. Hughes Farm Elevation 1008.35 Acres 85.

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated April 14, 1945, made by O. J. & Lizzie Hughes, to Eddie A. Kirby, and recorded on the 19th day of April, 1945, in the office of the County Clerk for said County in Lease Book 29, page 1.

The enclosed plat was prepared by a competent engineer and shows the proposed location of a well to be drilled for oil and gas by the undersigned well operator on the farm and in the Magisterial District and County above named, determined by survey and courses and distances from two permanent points, or land marks.

The undersigned well operator is informed and believes there are no coal operators operating beds of coal beneath said farm or tract of land on which said well is located, or within 500 feet of the boundaries of the same, who have mapped their workings and filed their maps as required by law, excepting the coal operators or coal owners (if any) above named as addressees.

The above named coal operators or coal owners (if any) are notified that any objections they may desire to make to such proposed location, or which they are required to make by Section 3 of said Code, if the drilling of a well at said proposed location will cause a dangerous condition in or about their respective coal mines, must be received by, or filed with the Department of Mines within ten* days from the receipt of a copy of this notice and accompanying plat by said Department. Said coal operators are further notified that forms for use in making such objections will be furnished to them by the Department of Mines promptly on request and that all such objections must set forth as definitely as is reasonably possible the ground or grounds on which such objections are based and indicate the direction and distance the proposed location should be moved to overcome same.

(The next paragraph is to be completed only in Department's copy.)

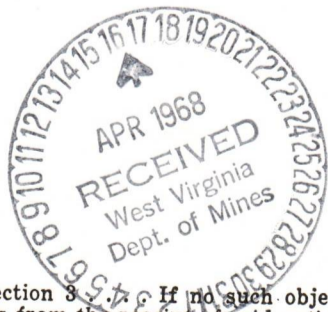
Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address day before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours,

(Sign Name) Eddie A. Kirby WELL OPERATOR

Address of Well Operator } Big Bend, West Virginia 26136. CITY OR TOWN

12/01/2023



*Section 3. If no such objections be filed or be found by the department of mines, within said period of ten days from the receipt of said notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a drilling permit reciting the filing of such plat, that no objections have been made by the coal operators to the location, or found thereto by the department, and that the same is approved and the well operator authorized to proceed to drill at said location.

BOND DRILL

2373

Cal-2373 PERMIT NUMBER



DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION

NOTICE OF RECORDS REVIEW

DATE OF REVIEW: _____
BY: _____

1008-22

12/01/2023

CAI-2223



WELL RECORD, FORM OG-10, MUST BE SUBMITTED TO OBTAIN RELEASE OF WELL UNDER BOND.

RECEIVED FEB 8 1971

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION

OIL & GAS DIVISION DEPT. OF MINES

NOTICE OF PROPOSED LOCATION OF OIL AND GAS WELL

To THE DEPARTMENT OF MINES, Charleston, W. Va.

DRILL DEEPER

Form fields for Coal Operator, Name of Well Operator (EDDIE A. KIRBY), Address (BIG BEND, WEST VIRGINIA), Proposed Location (FEBRUARY 5, 1971), District (LEE), County (CALHOUN), Well No. (2).

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated April 14, 1945, made by O. J. & LIZZIE HUGHES, to EDDIE A. KIRBY, and recorded on the 19TH day of APRIL, 1945, in the office of the County Clerk for said County in Book 29, page 1.

The enclosed plat was prepared by a competent engineer and shows the proposed location of a well to be drilled for oil and gas by the undersigned well operator on the farm and in the Magisterial District and County above named, determined by survey and courses and distances from two permanent points, or land marks.

The undersigned well operator is informed and believes there are no coal operators operating beds of coal beneath said farm or tract of land on which said well is located, or within 500 feet of the boundaries of the same, who have mapped their workings and filed their maps as required by law, excepting the coal operators or coal owners (if any) above named as addressees.

The above named coal operators or coal owners (if any) are notified that any objections they may desire to make to such proposed location, or which they are required to make by Section 3 of said Code, if the drilling of a well at said proposed location will cause a dangerous condition in or about their respective coal mines, must be received by, or filed with the Department of Mines within ten* days from the receipt of a copy of this notice and accompanying plat by said Department. Said coal operators are further notified that forms for use in making such objections will be furnished to them by the Department of Mines promptly on request and that all such objections must set forth as definitely as is reasonably possible the ground or grounds on which such objections are based and indicate the direction and distance the proposed location should be moved to overcome same.

(The next paragraph is to be completed only in Department's copy.)

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address day before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

WELL DRILLING PERMIT All provisions being in accordance with Chapter 22 of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if drilling is not commenced by June 10, 1971 Deputy Director—Oil & Gas Division

Very truly yours,

(Sign Name) Eddie A. Kirby WELL OPERATOR

Address of Well Operator } BIG BEND 26136, WEST VIRGINIA CITY OR TOWN STATE

12/01/2023

*Section 3 If no such objections be filed or be found by the department of mines, within said period of ten days from the receipt of said notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a drilling permit reciting the filing of such plat, that no objections have been made by the coal operators to the location, or found thereto by the department, and that the same is approved and the well operator authorized to proceed to drill at said location.

Cal-2373-DD PERMIT NUMBER

THIS IS AN ESTIMATE ONLY
 ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO: DRILL DEEPEN FRACTURE WELL

WELL OPERATOR
 NAME EDDIE A. KIRBY

RESPONSIBLE AGENT:
 NAME EDDIE A KIRBY

ADDRESS BIG BEND, WEST VIRGINIA 26136.

ADDRESS SAME

TELEPHONE #33 354-6056

TELEPHONE _____

DRILLING CONTRACTOR: (IF KNOWN)
 NAME E. A. BALLENGEE

LAND OWNER:
 NAME CECIL HUGHES

TELEPHONE 422-4074

TELEPHONE NONE.

ESTIMATED DEPTH OF COMPLETED WELL: 2090'

ROTARY _____

PROPOSED GEOLOGICAL FORMATION: INSON

CABLE TOOLS

TYPE OF WELL: OIL _____ GAS _____ COMB. STORAGE TANKS DISPOSAL GAS LINES

TYPE WASTE _____ RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM: Already drilled to 275'

CASING AND TUBING	CEMENT TO BE USED	FOR DRILLING	TO BE LEFT
20	_____	_____	_____
16	_____	_____	_____
13 3/8	_____	_____	_____
11 3/4	_____	_____	_____
10 3/4 ...X	<u>Already cemented to surface</u>	_____	<u>152'</u>
9 5/8	_____	_____	_____
8 5/8 ...X	<u>TO BE PULLED WHEN COMPLETED</u>	_____	_____
7 X	<u>NONE - SCREW SET PACKER TO BE USED.</u>	_____	_____
5 1/2	_____	_____	_____
4 1/2	_____	_____	_____
3 1/2	_____	_____	_____
2 3/8	_____	_____	_____
LINERS USED	_____	_____	_____

APPROXIMATE DEPTHS OF EXPECTED POTABLE WATER STRATA CEMENTED NOW. 50'

APPROXIMATE DEPTHS OF EXPECTED WORKABLE COAL SEAMS? NONE

IS COAL BEING MINED IN THE AREA? NO.

WAIVER: I the undersigned, Agent for _____ Coal Company, owner or operator of the coal under this lease have examined and placed on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company 12/01/2023

Official Title



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

SEP 5 1972

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

Surface Owner Cecil Hughes
Address Mt. Zion, W. Va.
Mineral Owner Cecil Hughes
Address Mt. Zion, W. Va.
Coal Owner _____
Address None:
Coal Operator _____
Address _____

DATE Sept. 5, 1972
Company Eddie R. Kirby
Address Big Bend, W. Va.
Farm A. J. Hughes Acres 85
Location (waters) Powels Run
Well No. 2 Elevation 1008.25
District Lee County Calhoun
Quadrangle Arnoldsburg

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22,
of the W. Va. Code, the location is hereby approved
for fracturing. This permit shall expire if
operations have not commenced by 1-5-73

Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Harry Holliday
Grantsville, WV. PH: 354-6731

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated April 14, 1965 1972 by A. J. Hughes made to Eddie R. Kirby and recorded on the _____ day of _____ 1972, in Calhoun County, Book 29 Page 1

_____ NEW WELL _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE
_____ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours,

(Sign Name) Eddie R. Kirby
Well Operator

Address
of
Well Operator

Street

City or Town

State

12/01/2023

*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

*Mr. Dodd says
No Bond Required*

**THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION**

PROPOSED WORK ORDER TO _____ DRILL _____ DEEPEN FRACTURE-STIMULATE
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME _____ NAME Reddie A. Kirby
 ADDRESS _____ ADDRESS _____
 TELEPHONE _____ TELEPHONE 354-6056
 ESTIMATED DEPTH OF COMPLETED WELL: _____ ROTARY _____ CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: _____
 TYPE OF WELL: OIL GAS COMB. STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10		152'	60 bags Cement
9 - 5/8			
8 - 5/8		920'	
7		1843'	
5 1/2			
4 1/2			
3			Perf. Top
2		1943'	Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS _____ , _____
 IS COAL BEING MINED IN THE AREA? _____ BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

12/01/2023

For Coal Company

Official Title



Well No. 2.
Farm O. J. Hughes
API # 47 - 013 - 2373-FRAC.
Date June 15, 1981.

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil / Gas /

(If "Gas", Production / Underground storage / Deep / Shallow /

LOCATION: Elevation: 1008.25' Watershed: Hughes Fork of Rowels Run of West Fork.
District: Lee County: Calhoun Quadrangle: Arnoldsburg

WELL OPERATOR Eddie A. Kirby
Address Big Bend, Box 71, WV 26136.

DESIGNATED AGENT Same.
Address Same.

OIL AND GAS ROYALTY OWNER Cecil Hughes
Address Mount Zion, West Virginia

COAL OPERATOR None.
Address _____

Acreage 85 acres.

COAL OWNER(S) WITH DECLARATION ON RECORD:
NAME _____
Address _____

SURFACE OWNER Cecil Hughes
Address Same as above.

Acreage 85 acres.

NAME _____
Address _____

FIELD SALE (IF MADE) TO:
NAME Quaker State Oil Refining Corp.
Address Oil City, Penna.

COAL LESSEE WITH DECLARATION ON RECORD:
NAME _____
Address _____

OIL AND GAS INSPECTOR TO BE NOTIFIED:
NAME _____
Address _____
Telephone _____

RECEIVED
JUN 22 1981

OIL & GAS DIVISION
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract / dated 04-14, 1945, to the undersigned well operator from O. J. & Lizzie Hughes.

(If said deed, lease, or other contract has been recorded:)

Recorded on _____, 1945, in the office of the Clerk of County Commission of Calhoun County, West Virginia, in 29 Book at page 1. A permit is requested as follows:

PROPOSED WORK: Drill / Drill Deeper / Redrill / Fracture or stimulate / Plug off old formation / Perforate new formation / Other physical change in well (specify) _____

--planned as shown on the work order on the reverse side hereof.

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 receipt of this Application by the Dept. 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 lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1613 WASHINGTON ST., E.
CHARLESTON, WV 25311
Telephone - 304/348-3092

Eddie A. Kirby,
Well Operator
By: Eddie A. Kirby OIL & GAS DIVISION
DEPT. OF MINES
Its: Owner.

RECEIVED
12/01/2023
JUN 18 1981

Blanket Bond

(Revised 3-81)

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) _____

Address _____

GEOLOGICAL TARGET FORMATION Injun Sand.

Estimated depth of completed well 2005 feet. Rotary / Cable tools /

Approximate water strata depths: Fresh, feet; salt, feet.

Approximate coal seam depths:

Is coal being mined in this area: Yes / No x /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL- UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft	New	Used	For Drill- ling		
Conductor								Kinds
Fresh water								
Coal								Sizes
Intermed.								
Production								Depths set
Tubing	2"	Steel		x		All.	CTS	Upsidedown.
Liners								Perforations:
								Top Bottom

All casing has been left in well - 10", 8-1/4", 7".

NOTE: 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.

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.

This well has been flowing for past ten years. It still flows but I want to try to increase the production somewhat. May use about 400 bbls. of water. I believe the tubing weighs about 4# per foot. It was new when placed in the well 10 years ago.

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for fracturing. This permit shall expire if operations have not commenced by 3-2-82.

J. S. Huggins
Deputy Director of Gas Division

This permit may 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:

W A I V E R No coal in area.

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, 12/01/2023 the well operator has complied with all applicable requirements of the West Virginia Code and the governing regularions.

Date: June 15, 1981.

Eddie A. Kirby,

By: Eddie A. Kirby,

Its: Owner.

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RECEIVED
AUG 2 - 1952

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

W. State of Oklahoma
Office of Oil & Gas
1000
1000
1000

Dear Sir:

Enclosed for you are two copies of a report...
The report was prepared by the Oklahoma...
and is intended to provide information...
regarding the oil and gas resources...
of the State of Oklahoma. The report...
contains a detailed description of the...
oil and gas fields in the State and...
discusses the geology and structure...
of the oil and gas basins. It also...
contains a list of the oil and gas...
fields in the State and a list of the...
oil and gas companies operating in...
the State. The report is intended to...
provide information to the public and...
to the oil and gas industry. It is...
hoped that this report will be of...
use to you and to the public.

I am enclosing for you two copies...
of a report prepared by the Oklahoma...
Department of Energy. The report...
contains a detailed description of the...
oil and gas resources of the State...
and discusses the geology and structure...
of the oil and gas basins. It also...
contains a list of the oil and gas...
fields in the State and a list of the...
oil and gas companies operating in...
the State. The report is intended to...
provide information to the public and...
to the oil and gas industry. It is...
hoped that this report will be of...
use to you and to the public.

Very truly yours,
Charles A. King
Chief, (Omnibus Staff)

12/01/2023



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

DOE/DO&G-0040

August 30, 1985

Mr. Eddie A. Kirby
Big Bend, WV 26136

Re: 47-013-2373-Frac. (Hughes No. 2 well)

Dear Mr. Kirby:

This is in response to your letter of August 8, 1985, relative to the above captioned well.

I can sympathize with you concerning the problems you had with the fracturing company, but this well is not under a \$2,500 single well bond, it is covered under your \$15,000 blanket bond and the bond cannot be cancelled.

If I can be of further assistance to you please let me know.

Sincerely,

A handwritten signature in black ink, appearing to read "Ted M. Streit".

Ted M. Streit
Department of Energy

12/01/2023

39-00
4-25



RECEIVED

AUG 5 1971

STATE OF WEST VIRGINIA OIL & GAS DIVISION
DEPARTMENT OF MINES OF MINES
OIL AND GAS WELLS DIVISION 2

- Rotary
- Spudder
- Cable Tools
- Storage C. NOLLY

Quadrangle Arnoldsburg

WELL RECORD

Permit No. CAI-2373

Oil or Gas Well Oil
(KIND)

Company Eddie A. Kirby
 Address Big Bend, 26136, West Virginia.
 Farm O. J. Hughes Acres 85
 Location (waters) Hughes Fork of Rowels Run
 Well No. 2 Elev. 1008'
 District Lee County Calhoun
 The surface of tract is owned in fee by Cecil Hughes
 Address Mt. Zion, W. Va.
 Mineral rights are owned by Cecil Hughes
 Address Mt. Zion, W. Va.
 Drilling commenced June 25, 1969
 Drilling completed July 6, 1971
 Date Shot Not shot From _____ To _____
 With _____
 Open Flow /10ths Water in _____ Inch
 /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock Pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 WELL ACIDIZED (DETAILS) July 22, 1971 with
2000 gallons 22 % Hydrochloric Acid.
 WELL FRACTURED (DETAILS) Will fracture well later.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10			Size of
8 1/4			
6 5/8			Depth set
5 3/16			
4 1/2			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Attach copy of cementing record.
 CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
 Amount of cement used (bags) _____
 Name of Service Co. _____
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 22 barrels of oil flowed first 24 hours.
 ROCK PRESSURE AFTER TREATMENT 36 HOURS 300 pounds pressure.
 Fresh Water 40 Feet Salt Water 1680 - 1683 Feet
 Producing Sand INJUN (84 % LIME, IN PAY) Depth 1964 - 2000 Feet.

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
0 - 275'		Soft					N. R.
275 - 325'	Gray	Medium	275'	325'	None		
(SAND)							
Slate	D. Gray	Soft	325	350	"		
Red Rock	Red	Medium	350	355	"		
SAND	Gray	Medium	355	367	"		
Slate	D. Gray	Soft	367	440	"		
Red Rock	Red	Medium	440	455	"		
Slate	D. Gray	Medium	455	555	"		
Red Rock	Red	Medium	555	915	"		
SAND	Gray	Medium	915	940	"		
Slate	D. Gray	Soft	940	1000	"		Caved later.
Sand	Gray	Medium	1000	1010	"		

12/01/2023

Formation	Color	Hard or Soft	Top 2	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate	Gray	Medium	1010	1180	None		
SAND	Light	HARD	1180	1343	"		
Slate	D. Gray	Medium	1343	1377	"		
Lime	Light	Hard	1377	1386	"		
Slate	D. Gray	Medium	1386	1500	"		
SAND	L. Gray	HARD	1500	1540	"		
Slate	D. Gray	Medium	1540	1610	"		
SAND	L. Gray	HARD	1610	1685	OIL & Gas	1662-1668	(Logged)
Lime	L. Gray	HARD	1685	1706	WATER	1680-1683	(Soft Pay)
Slate	D. Gray	Medium	1706	1733	NONE		
SAND	L. Gray	Very HARD	1733	1845	"		
Lime	Gray	Medium	1845	1855	"		
Pencil Cave	Black	SOFT	1855	1876	"		
BIG LIME	Various	Hard	1876	1934	"		
Keener Sand	White, black	Very HARD	1934	1964	OIL Show		
INJUN SAND	Gray	Hard	1964	2000	OIL & Gas	1888-2000	
Slate	Soft Gray	Soft	2000	2005	None		Total Depth

12/01/2023

Date August 3, 19 71.
 APPROVED Eddie R. Kirby, Owner
 By Owner. (Title)

RECEIVED

JUL 30 1971

Big Bend, West Virginia 26136
July 27, 1971.

OIL & GAS DIVISION
DEPT. OF MINES

Department of Mines
OIL & GAS DIVISION
Charleston, West Virginia.

Dear Sirs:

This is to report to you that the O. J. Hughes Well No. 2 has been completed at a total depth of 2005 feet, in apparently what is known as the Injun Sand. This well produces both oil and gas in small quantities - about 15 barrels of oil daily and probably 20,000 or 25,000 cubic feet of gas daily.

This well was tubed with 2" tubing and is now flowing the above amount of oil daily. It was treated with 2000 gallons of hydrochloric acid, the strength of which was 22 %. Tests indicated 84 % lime in pay sands in well.

Inasmuch as there is no further need for the Bond which covers this well you will accordingly release same and return it to me that I may in turn send it back to the Bonding Company for release to them.

Please give this report your attention. On a later date I shall send the essential papers to you in regard to this well. Drilling stopped July 6.

Very truly yours,

Eddie A. Kirby

Eddie A. Kirby.

12/01/2023

RECEIVED

JUL 30 1971

DEPT. OF MINES
OIL & GAS DIVISION

The Sand, West Virginia 2013
July 27, 1971

Department of Mines
OIL & GAS DIVISION
Charleston, West Virginia

Dear Sirs:

This is to report to you that the C. W. Hughes Well No. 2 has been completed at a total depth of 1005 feet. An approximately 1000 gallon oil and gas separator was installed in the well. This well produces both oil and gas in small quantities - about 10 barrels of oil daily and probably 20,000 or 25,000 cubic feet of gas daily.

The well was drilled with 2" tubing and is now flowing the above amount of oil daily. It was treated with 2000 gallons of hydrochloric acid. The separator of which was 22" x 24" tests indicated 0.2 times in production in well.

Inasmuch as there is no further need for the bond which covers this well you will accordingly release same and return it to me when I write in turn come it back to the bonding company for release to them.

Please give the present your attention. In a later date I shall send the essential papers to you in regard to this well. Drilling covered July 6,

Very truly yours,

Edgar A. Kirby
Walter A. Kirby

COLUMBIA GAS TRANSMISSION CORPORATION DRILLING REPORT

Page 11

OPERATIONS IN CLENDENIN DIVISION FOR WEEK ENDING February 19 19 74

NO.	COUNTY	MAP SQUARES	OPERATOR	ELEV.	DEPTH	REMARKS
	Brax-1057	112-93	Cecil Ramsey	1255	2100	T.D. Big Lime 1795-2008'. Injun 2008-2029'. Perforated 4½" casing in Injun Section. Fractured. Final open flow 5,000 Mcf. R.P. 4 Hours 600#. "FINAL"
	Brax-1058	112-93	"	850	2007	T.D. Big Lime 1695-1900'. Injun 1900-1931'. Perforated 4½" casing in Injun Section. Fractured. Final open flow 5,000 Mcf. R.P. 5 Hours 650#. "FINAL"
F40661	Cal-2373 F	86-97	Eddie A. Kirby	1008		Acidized Injun (open hole) 5-7-73 with 6,000 gals. acid. Final open flow Est. 20 bbls. oil. "FINAL"
	Cal-2512	80-99	Alvin Rowes	KB 957	2045	T.D. Big Lime 1800-1941'. Injun 1941-1948'. Perforated 4½" casing from 1941-1948' with 12 holes. Fractured 10-11-73 Final open flow 839 Mcf. R.P. 24 Hour 500#. "FINAL"
	Dodd-1753	West Union	Mountaineer O & G Co.	1015	2270	T.D. Big Lime 1960-2170'. Injun 2160-2216'. Perforated 4½" casing in Injun Section. Fractured 11-26-73 with 700 bbls. water & 25,000# sand. Final open flow 250 Mcf. R.P. 4 Hours 425#. "FINAL"
	Gil-1892 DD	106-101	Pacific States O & G	1172	2050	T.D. Blue Monday 1809-1829'. Big Lime 1836-1905'. Injun 1905-2000'. Perforated 4½" casing in Blue Monday & Injun Sections. Fractured 11-24-73. Final open flow 882 Mcf (Blue Monday & Injun). "FINAL"

RECEIVED

NOV 1 - 1983

OIL & GAS DIVISION
DEPT. OF MINES

FRACTURE RECORD

Well Name and No: #2 O. J. Hughes

District: Lee County: Calhoun

Permit No: 013-2373-FRAC Completion Date: July, 1981.

Formation Fractured: Top 1975' Material: Sand, etc.

Bottom 2005'

Rock Pressure: About 300 # Test after Fracture: Oil No change.

About 300 # Gas No change.

As no increase or decrease was ever indicated, I am wondering if it was properly fractured.

Eddie A. Kirby
Signature

October 29, 1983

Date

COMPANY Eddie A. Kirby

Box 71

Big Bend, WV 26136

Please complete the above form and return to us for our files. Thanks.

West Virginia Department of Mines
Office of Oil and Gas
16 15 Washington Street, East
Charleston, WV 25311

12/01/2023

REGISTRATION

12-1-03

DEPT. OF...

12/01/2023

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

RECEIVED

MAY 25 1973

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. CAL-2373-O.O.-FAR

Oil or Gas Well _____
(KIND)

Company <u>EDDIE A. KIRBY</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Address <u>BIG BEND, W.VA.</u>	Size		
Farm <u>D.V. HUGHES</u>	16			Kind of Packer
Well No. <u>2</u>	13			
District <u>LEE</u> County <u>CALHOUN</u>	10	<u>152</u>	<u>152</u>	Size of
Drilling commenced <u>6-25-69</u>	8 1/4	<u>920</u>	<u>920</u>	
Drilling completed <u>7-6-71</u> Total depth <u>2005'</u>	6 5/8	<u>1843</u>	<u>1843</u>	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		<u>1943</u>	Perf. bottom
Volume _____ Cu. Ft.	Liners Used			Perf. top
Rock pressure _____ lbs. _____ hrs.				Perf. bottom
Oil _____ bbls., 1st 24 hrs.	<u>60 SY 10 3/4</u> CASING CEMENTED <u>SIZE 152'</u> No. FT. <u>8-2-69</u> Date			
Fresh water <u>40</u> feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water <u>1680-1683</u> feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names _____

Remarks: WELL ACIDIZED - FIRST - 7-22-71
WELL ACIDIZED FIRST - 9-11-71
2ND
WELL ' ' ' SECOND - 5-3-73 - 6000 GALS. - ROWELL.
3RD

5-24-73
DATE

H. C. Holliday
DISTRICT WELL INSPECTOR

12/01/2023

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
12/01/2023



State of West Virginia

Department of Mines
Oil and Gas Division
Charleston 25305

August 16, 1971

Eddie A. Kirby
Big Bend
West Virginia 26136

In Re: Permit No. CAL-2373-DD
Farm O. J. Hughes
Well No. 2
District Lee
County Calhoun

Gentlemen:

The final inspection report for the well which is described above has been received in this office. Only the column checked below applies.

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

XXXXX Please return the enclosed cancelled 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.

Very truly yours,

Deputy Director
Oil and Gas Division

RLD/

Enclosure: 1 Bond

12/01/2023

DRILLER'S WELL REPORT

OIL & GAS
DEPT. OF

Oil or Gas Well
(KIND)

4313-10
RODIE A. HIRBY
26 BEND, W. VA - 26136
J. HUGHES
2
County CALHOUN
Total depth _____
Depth of shot _____
/10ths Water in _____ Inch
/10ths Merc. in _____ Inch
_____ Cu. Ft.
_____ lbs.
_____ hrs.
_____ bbls., 1st 24 hrs.
_____ feet
_____ feet
_____ feet

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

CASING CEMENTED _____ SIZE _____ No. FT. _____
 NAME OF SERVICE COMPANY _____
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES
 _____ FEET _____ INCHES
 _____ FEET _____ INCHES

SECTION, THIS WELL MAY BE RELEASED.

BOND CANCELLED
 WELL OPERATOR AND/OR PRINCIPAL
7/16/71 1971

H. A. Halliday
 DISTRICT WELL INSPECTOR

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

12/01/2023

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
FINAL INSPECTION REQUEST
INSPECTOR'S COMPLIANCE REPORT

APR 23 1986

Permit No. 013-2373-FRAC

County Calhoun

Company Eddie A. Kirby

District Lee

Inspector DEO MACE

Farm O. J. Hughes

Date November 8, 1983

Well No. 2 Issued 7-2-81

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	---	---
5.03	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	---	---
23.04	Reclaimed drilling pits	---	---
23.05	No surface or underground pollution	---	---
7.05	Identification markings	---	---

COMMENTS: _____

I have inspected the above well and have found it to be in compliance with the rules and regulations of the Office of Oil and Gas Department of Mines of the State of West Virginia, and the well can be released from the permitted work.

SIGNED: Deo Mace

DATE: 4-19-86 12/01/2023

INSTRUCTIONS TO DELIVERING EMPLOYEE

Show to whom, date, and address where delivered Deliver ONLY to addressee
(Additional charges required for these services)

RECEIPT

Received the numbered article described below.

REGISTERED NO. _____ SIGNATURE OR NAME OF ADDRESSEE (Must always be filled in)
 CERTIFIED NO. 39562 ① Eddie Kirby
 INSURED NO. _____ ② SIGNATURE OF ADDRESSEE'S AGENT, IF ANY
 DATE DELIVERED _____ ③ Big Bend, TX
 SHOW WHERE DELIVERED (only if requested)

c55-16-71548-10 GPO

INSTRUCTIONS TO DELIVERING EMPLOYEE

Show to whom, date, and address where delivered Deliver ONLY to addressee
(Additional charges required for these services)

RECEIPT

Received the numbered article described below.

REGISTERED NO. _____ SIGNATURE OR NAME OF ADDRESSEE (Must always be filled in)
 CERTIFIED NO. 39934 ① Eddie A Kirby
 INSURED NO. _____ ② SIGNATURE OF ADDRESSEE'S AGENT, IF ANY
 DATE DELIVERED _____ ③ _____
 SHOW WHERE DELIVERED (only if requested)

c55-16-71548-10 GPO

PLEASE FURNISH SERVICE(S) INDICATED BY CHECKED BLOCK(S).
REQUIRED FEE(S) PAID.

Show to whom, date and address where delivered Deliver ONLY to addressee

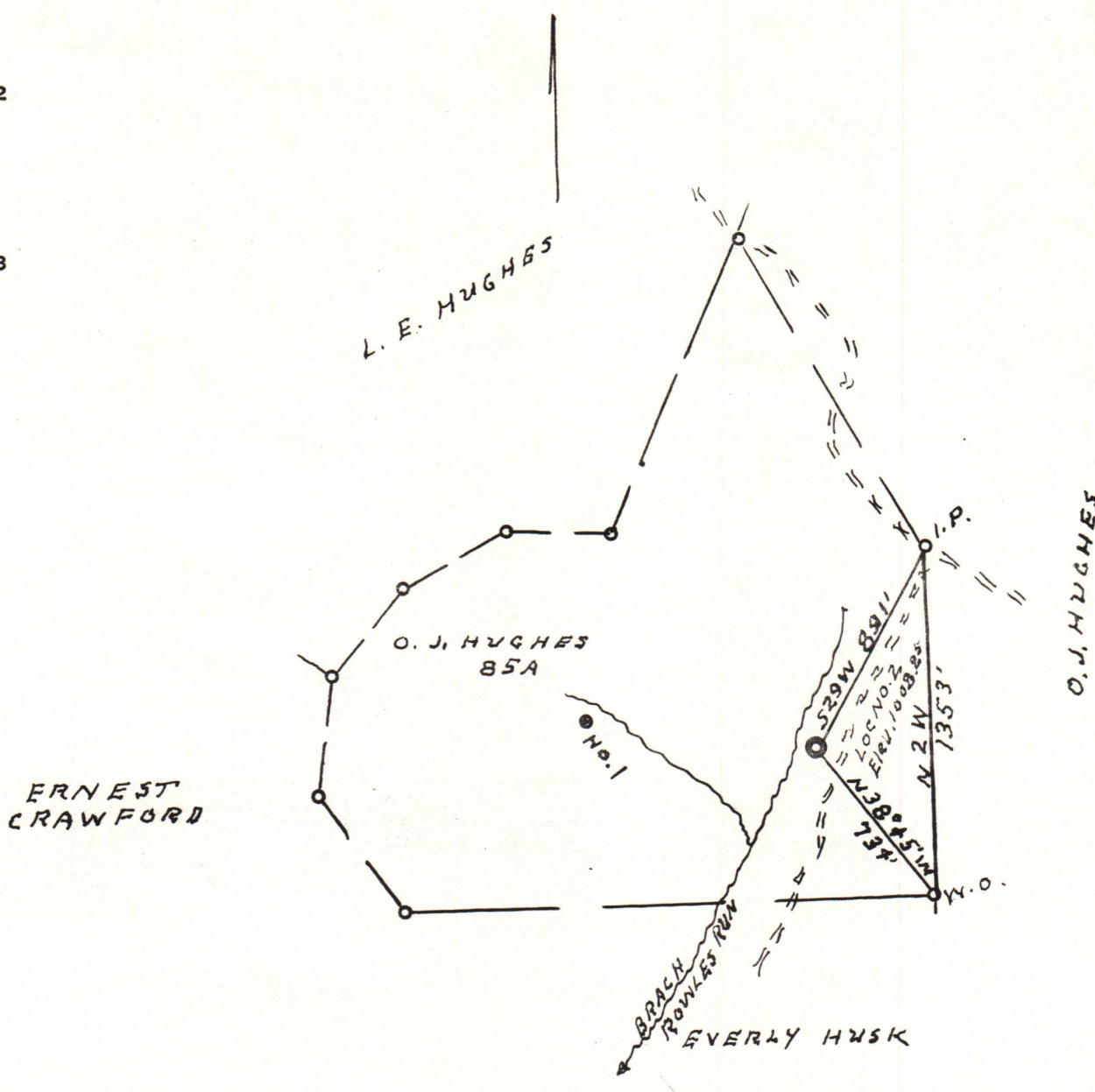
RECEIPT

Received the numbered article described below.

REGISTERED NO. _____ SIGNATURE OR NAME OF ADDRESSEE (Must always be filled in)
 CERTIFIED NO. 38283 ① Eddie A. Kirby
 INSURED NO. _____ ② SIGNATURE OF ADDRESSEE'S AGENT, IF ANY
 DATE DELIVERED 8/17/71 ③ _____
 SHOW WHERE DELIVERED (only if requested)

c55-10-71548-11 347-198 GPO

12/01/2023



Minimum Error of Closure 1' IN 200'

Source of Elevation WELL NO. 1 942.00

Fracture..... 9-5-72
 New Location.....
 Drill Deeper..... issued 2-10-71
 Abandonment.....

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: L. J. Dye
Squares: N S E W

Company EDDIE A. KIRBY
 Address BIG BEND, W. VA. 26136
 Farm O. J. HUGHES
 Tract _____ Acres 85 Lease No. _____
 Well (Farm) No. 2 Serial No. _____
 Elevation (Spirit Level) 1008.25
 Quadrangle ARNOLDSBURG
 County CALHOUN District LEE
 Engineer L. J. Dye
 Engineer's Registration No. 804
 File No. _____ Drawing No. _____
 Date 4-11-68 Scale 1" = 40 POLES

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

WELL LOCATION MAP
 FILE NO. Ca1-2373-DD-3
12/01/2023

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

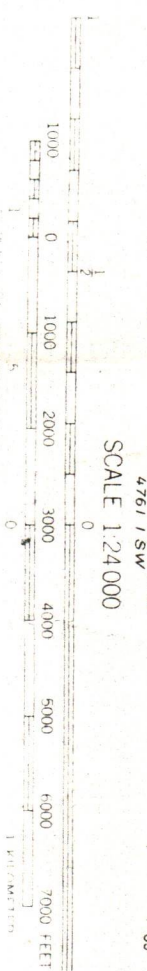
- Denotes one inch spaces on border line of original tracing. 47-013



1 930 000 FEET (SOUTH) 480 481 12' 30" 483 485 10' 486 1 530 000 FEET (NORTH) 487

edited, and published by the Geological Survey
by USGS and USCGS

by photogrammetric methods from aerial photographs
3. Field checked 1966
projection, 1927 North American datum



12/01/2023

DEPT. OF MINES
OIL & GAS DIVISION

JUN 29 1981

RECEIVED

12/01/2023

Date June 26 19 81
Well No. 2
API No. 47 - 013 - 2373 - Frac.
State Calhoun County Permit

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS

Company Name Eddie A. Kirby Designated Agent Same.
Address Big Bend, WV 26136. Address Same.
Telephone (304)354-6056. Telephone Same.
Landowner Cecil Hughes Soil Cons. District _____

Revegetation to be carried out by Eddie A. Kirby. (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan.
Garrett Newlon
(SCD AGENT)

Date: June 26, 1981.

Address: Rt. 1, Box 165
Street
Reedy, WV 25270 PH: 927-4075
City

Access Road		Location	
Structure	<u>Rocked, cemented</u> (A)	Structure	_____ (1)
Spacing	_____	Material	_____
Page Ref. Manual	_____	Page Ref. Manual	_____
Structure	_____ (B)	Structure	_____ (2)
Spacing	_____	Material	_____
Page Ref. Manual	_____	Page Ref. Manual	_____
Structure	_____ (C)	Structure	_____ (3)
Spacing	_____	Material	_____
Page Ref. Manual	_____	Page Ref. Manual	_____

All structures should be inspected regularly and repaired if necessary.

Revegetation

Treatment Area I		Treatment Area II	
Lime	_____ Tons/acre	Lime	_____ Tons/Acre
or correct to pH	<u>7.5</u>	or correct to pH	_____
Fertilizer	<u>500</u> lbs/acre	Fertilizer	_____ lbs/acre
(10-20-20 or equivalent)		(10-20-20 or equivalent)	
Mulch	<u>2</u> Tons/Acre	Mulch	_____ Tons/Acre
Seed*	<u>Ky31 Fescue 40</u> lbs/acre	Seed*	_____ lbs/acre
	<u>Ladino Clover 5</u> lbs/acre		_____ lbs/acre

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

Attach or photocopy section of involved Topographic map. Quadrangle _____

Legend:  Well Site
 Access Road

RECEIVED
JUN 29 1981

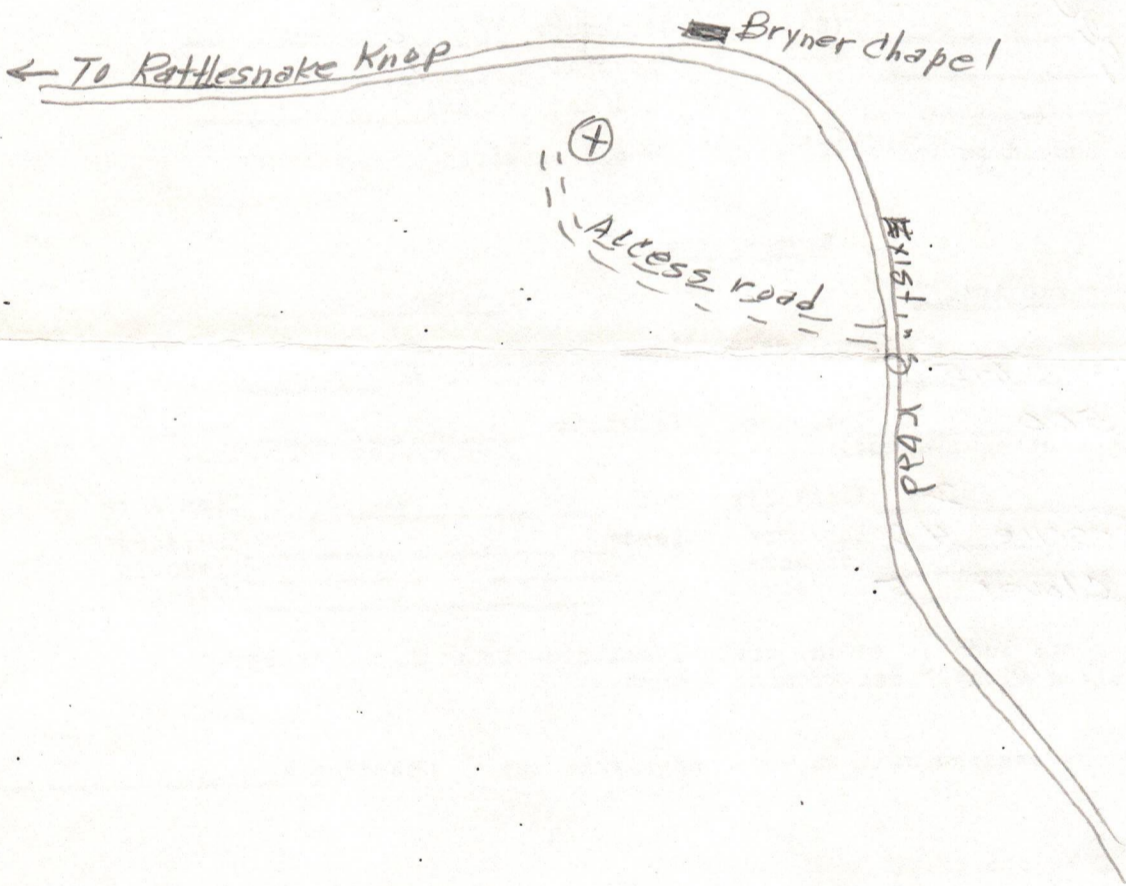
Attached

OIL & GAS DIVISION
DEPT. OF MINES 12/01/2023

Well Site Plan

- | | | | |
|---------------------------|--|------------|--|
| Legend: Property Boundary | | Diversion | |
| Road | | Spring | |
| Existing Fence | | Wet Spot | |
| Planned Fence | | Building | |
| Stream | | Drain Pipe | |
| Open Ditch | | Waterway | |

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



Comments: This well is to be fractured. All roads will be maintained. Any area disturbed will be reseeded.

12/01/2023

PLAN PREPARED BY: Eddie A. Kirby NAME

ADDRESS

PHONE NO.

Please request landowners cooperation to protect new seeding for one growing season.