

A-1



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DEC 8 1975

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

R

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner W. C. Lucky
Address Leroy, W. Va. 25252
Mineral Owner W. C. Lucky
Address Leroy, W. Va. 25252
Coal Owner _____
Address _____
Coal Operator _____
Address _____

DATE December 8, 1975
Company RAY RESOURCES, DIVISION OF FLYING DIAMOND OIL CORPORATION
Address 630 Commerce Square, Charleston, W. Va.
Farm W. C. Lucky Acres 68
Location (waters) Enochs Fork
Well No. 540 Elevation 970'
District Reedy County Wirt
Quadrangle Ripley

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 drilling. This permit shall expire if operations have not commenced by 4-8-76.

[Signature]
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED K. Paul Goodnight
PH: 477-2455 ADDRESS Smithville, WV.

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 July 15 1975 by Glen Roberts made to Ray Resources and recorded on the 18th day of July 1975, in Wirt County, Book _____ Page _____
XX 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, [Signature]
(Sign Name) _____
Well Operator

RAY RESOURCES, DIVISION OF
FLYING DIAMOND OIL CORPORATION

Address of Well Operator

630 Commerce Square
Street
Charleston,
City or Town
West Virginia 25301
State

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:
West Virginia Geological and Economic Survey
P. O. Box 879
Morgantown, W. Va. 26505
AC 304-296-4461

*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.

BLANKET BOND

WIR-679 PERMIT NUMBER

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

PROPOSED WORK ORDER TO XX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME F. W. A. Drilling NAME Bill Endicott
 ADDRESS Box 448, Elkview, W. Va. 25071 ADDRESS Box 234, Culloden, W. Va.
 TELEPHONE 965-3379 TELEPHONE 743-9067
 ESTIMATED DEPTH OF COMPLETED WELL: 2700' ROTARY XX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Berea
 TYPE OF WELL: OIL _____ GAS XX 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	30'	30'	To Surf
9 - 5/8			
8 - 5/8	250'	250'	To Surf
7			
5 1/2			
4 1/2	2700'	2700'	75 Sks.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 100 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS _____, _____
 IS COAL BEING MINED IN THE AREA? NO 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. 01/12/2024

For Coal Company

Official Title

B-1



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JAN 21 1977

OIL & GAS DIVISION
DEPT. OF MINES

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division
WELL RECORD

Rotary XX Oil _____
Cable _____ Gas XX
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Quadrangle Ripley
Permit No. WIRT-679

Company RAY RESOURCES, DIVISION OF FLYING DIAMOND OIL CORPORATION
Address 630 Commerce Sq., Chas., WV 25301
Farm W. C. Lucky Acres 68
Location (waters) Enochs Fork
Well No. 540 Elev. 970'
District Reedy County Wirt
The surface of tract is owned in fee by W. C. Lucky
Address Leroy, W. Va. 25252
Mineral rights are owned by Same
Address Same
Drilling Commenced 12-11-75
Drilling Completed 12-15-75
Initial open flow _____ cu. ft. _____ bbls.
Final production 2,200 Mcu. ft. per day _____ bbls.
Well open _____ hrs. before test 920 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8			
8 5/8	261'	261'	To Surf.
7			
5 1/2			
4 1/2	2699'	2699'	75 Sks.
3			
2 3/8"	2504'	2504'	
Liners Used			

Well treatment details: Attach copy of cementing record.
Well was frac'd with 546 Bbls. oil; 32,000# sand and 250 gal. mud acid
Average injection rate - 16 B.P.M.
Average treating press. - 2500#

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Berea Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sub Soil			0	6		
Shale & Sand			6	200		
Red Rock			200	1500		
Shale			1500	1529		
Salt Sand			1529	1867		
Maxton			1867	2090		
Lime			2090	2130		
Injun			2130	2255		
Shale & Sand			2255	2532		
Berea			2532	2540		
Shale			2540	2725		
				2725'	T.D.	

01/12/2024

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks

01/12/2024

Date January 19, , 19 77

APPROVED RAY RESOURCES, DIVISION OF FLYING DIAMOND OIL CORPORATION Owner

By *Tom Rogdole*
Geologist (Title)

B-3

COLUMBIA GAS TRANSMISSION CORPORATION
 DRILLING REPORT

FOREIGN OPERATIONS IN CLENDENIN DIVISION ORISKANY & TEST WELLS FOR WEEK ENDING JAN 11 2018

FARM NAME	NO.	COUNTY	MAP SQUARES	OPERATOR	ELEV. DEPTH	REMARKS
John J. Walsh		Pres-178	166-123	Cons. Gas Sup. #12, 090	2260	Location.
Lonza Grabiel #1		Hamp-13 F	Hanging Rock NE	Hampshire Gas Company	908	Preparing to fracture.
Marvin R. Poland #18	F38967	Hamp-26 F	Wardens ville NW	"	1568	Preparing to fracture.
Rugh Hillcrest #1		Hancock-87	Wells-villease	Quaker State Oil Refg.	1294	T.D. Fractured Clinton. Testing.
Edward Bumgarner #1		Mason-135	46-99	Carl E. Smith, Inc.	603	Location.
R. P. Roush #1		Mason-136	42-101	" #117	761	Location.
J. Harmon #C-19		Put-795	48-71	Teavee O & G, Inc.	609	Shut down.
Poca. Coal Ld. Co. #1		Put-803	54-73	D. C. Malcolm, Inc.	955	T.D. Fractured Oriskany. Testing.
Poca. Coal Ld. Co. #2		Put-804	54-75	"	984	Location.
The Putnam Co. #1		Put-805	54-71	"	924	T.D. Fractured Oriskany. Testing.
Raymond City C & T Co. #1		Put-806	54-71	"	1068	T.D. Fractured Oriskany. Testing.
Lewis Stout #1		Tay-105	Fairmont SW	Industrial Gas Assoc.	1183	T.D. Oriskany dry. (TIGHT HOLE)
Washington Works #4		Wood-707	58-121	E. I. Dupont DeNemours	608	(TIGHT HOLE)
B Mahood #2		Clay-1074	84-57	A. E. D., Inc.	1190	T.D. Holding for final open flow.
A Howes #11		Clay-1100	88-59	"	1012	T.D. Big Lime 1822-1990'. Keener 1990-2000'. Injun 2000-2018'. Perforated 4 1/2" casing from 2008-2016'. (10)'. Fractured 11-12-75 with 500 gals. MCA, 825 bbls. fluid, (CON'T)

01/12/2024

35

35

35

35

35

B-11

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

RECEIVED

MAR 27 1978

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. Win-679

Oil or Gas Well _____
(KIND)

Company <u>Ray Resources Div of F.D.O.C.</u> Address _____ Farm <u>W.C. Lucky</u> Well No. <u>540</u> District <u>Reedy</u> County <u>Wirt</u> 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			Kind of Packer _____
	16			
	13			Size of _____
	10			Depth set _____
	8 1/4			Perf. top _____
	6 5/8			Perf. bottom _____
	5 3/16			Perf. top _____
	3			Perf. bottom _____
	2			Perf. top _____
	Liners Used _____			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:

Rel-

3-22-78

DATE

[Signature] 01/12/2024

DISTRICT WELL INSPECTOR

B-12



State of West Virginia

Department of Mines
Oil and Gas Division

Charleston 25305

March 29, 1978

Ray Resources Corp.
Div. of F.D.O.C.
630 Commerce Square
Charleston, W.Va. 25301

Dear Sir:

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:

- WIRT-677 - Westvaco-Roberts # 1-560 - Spring Creek District
- WIRT-679 - W.C. Lucky # 540 - Reedy District

In accordance with Chapter 22, Article 4, Section 2, the bond coverage for above captioned wells will stay in force until such time as the requirements of Chapter 22 have been met. "Bonds will stay in force for life of the wells,"
Reclamation approved...

Very truly yours,

A handwritten signature in cursive script, appearing to read "Robert L. Dodd".

Robert L. Dodd, Deputy Director
Oil and Gas Division

RLD/cc

PT7900806/2-2

01/12/2024

Date	Description	Debit	Credit	Balance
1/12/24
1/13/24
1/14/24
1/15/24
1/16/24
1/17/24
1/18/24
1/19/24
1/20/24
1/21/24
1/22/24
1/23/24
1/24/24
1/25/24
1/26/24
1/27/24
1/28/24
1/29/24
1/30/24
1/31/24

01/12/2024

WELL DETERMINATION REPORT

PARTICIPANTS:

DATE:

AUG 21 1979

BUYER-SELLER CODE

WELL OPERATOR:

Ray Resources

023567

FIRST PURCHASER:

COLUMBIA GAS TRANS.

004030

OTHER:

Qualified as Section 108 stripper well.

Pratt

W. Va. Department of Mines, Oil & Gas Division

WELL DETERMINATION FILE NUMBER

790223-108-105-0679

Use Above File Number on all Communications
Relating to Determination of this Well

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1 FERC-121 Items not completed - Line No. _____
- 2 IV-1 - Agent JAMES S. RAY
- 3 IV-2 - Well Permit
- 4 IV-6 - Well Plat
- 5 IV-35- Well Record Drilling Deepening _____
- 6 IV-36- Gas-Oil Test: Gas Only Was Oil Produced? _____ Ratio _____
- 7 IV-39- Annual Production 1 years
- 8 IV-40- 90 day Production 93 Days off Line: _____
- 9 IV-48- Application for Certification. Complete?
- 10 - 17 IV Form #51 - 52 - 53 - 54 - 55 - (56) - 57 - 58. Complete Affidavit Signed
- 18 - 28 Other: Survey _____ Logs _____ Geological Charts _____ Structure Map _____
- 1:4000 Map _____ Well Tabulations _____ Gas Analyses _____
- (5) Date Commenced: 12-11-75
Date Completed 12-15-75 DRILLED Deepened _____
Frac Date:
- (5) Production Depth: 2532 - 2540
- (5) Production Formation: BEREA
- (5) Final Open Flow: 2200 MCF
Initial Potential:
- (5) Final Rock Pressure: 920 #
Static R.P. Initially:
- (6) Other Gas Test: _____
- (7) Avg. Daily Gas from Annual Production: $\frac{17683}{334} = 52.9 \text{ Mcf Oil} - \frac{516}{334} = 1.56$
- (8) Avg. Daily Gas from 90-day ending w/1-120 days $\frac{1340}{93} = 14.4 \text{ Mcf Oil} - \frac{40}{93} = .43$
- (8) Line Pressure: NA PSIG from Daily Report _____
- (5) Oil Production: _____ From Completion Report _____
- (10-17) Does lease inventory indicate enhanced recovery being done: NO 01/12/2024
- (10-17) Is affidavit signed? Notarized?

Does official well record with the Department confirm the submitted information? YES

Additional Information _____ Does computer program confirm? _____

Was Determination Objected to? _____ By Whom? _____

SR from

Operator's Well No. 546

API Well No. 47 - 105 - 679
State County Permit

STATE APPLICATION FOR WELL CLASSIFICATION

Previous File No. (If Applicable)

WELL OPERATOR Ray Resources, Div. of F.D.O.C. DESIGNATED AGENT _____

ADDRESS 630 Commerce Sq. ADDRESS Same

Charleston, W. Va. 25301

Gas Purchase Contract No. 22010 and Date 2-9-78
(Month, day and year)

Meter Chart Code 207125

Name of First Purchaser Columbia Gas Trans.

1700 MacCorkle Ave SE
(Street or P. O. Box)
Charleston W. Va.
(City) (State) (Zip Code)

FERC Seller Code _____ FERC Buyer Code _____

TYPE OF DETERMINATION BEING SOUGHT:

- (1) Initial determination (See FERC Form 121.) Section of NGPA 108 Category Code _____
- (2) Determination that increased production is the result of enhanced recovery technology.
- (3) Determination of a seasonally affected well.

TOM R. RAGSDALE Vice-Pres.
[Signature]
Signature _____

630 Commerce Sq.
Street or P. O. Box
Charleston, W. Va. 25301
City State (Zip Code)
(304) 344-8393
Area Phone Number
Code

(Certificate of Proof of Service to Purchaser)

(All of the above to be completed by the Operator/Applicant)

(To be completed by Jurisdictional Agency. Executed copy to be returned to Operator/Applicant and purchaser, if known).

The Department of Mines has received a request for certification of the above described well as meeting the requirements of Section _____ under the Natural Gas Policy Act of 1978. (NGPA); or for determination that increased production is the result of enhanced recovery technology under Section 108 of (NGPA); or for determination of a seasonally affected well under Section 108 of (NGPA)

All interested parties are hereby notified that on the _____ day of _____, 19____, at the office of the Oil and Gas Division in Charleston, West Virginia, or as soon thereafter as it may be heard, there will be a public hearing, if requested, or if objection is filed.

This Application is assigned File No. _____

Initial review of information submitted indicates the well is, is not entitled to certification as claimed under the Natural Gas Policy Act (NGPA). A review of this evidence and any additional evidence will be made at the time appointed for a public hearing or as soon thereafter as the matter may be heard.

Unless objections are timely filed or a request for a hearing is made within fifteen (15) days, a hearing will not be held except on ex parte motion of the department and the matter will go to determination.

WEST VIRGINIA DEPARTMENT OF MINES
[Signature]
Director

By _____
Title _____

FEB 23 1979

Date received by
Jurisdictional Agency

01/12/2024

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

Date 1-30, 1979
Operator's Well No. 540
API Well No. 47 - 105 - 0679
State County Permit

WELL CLASSIFICATION FORM

STRIPPER GAS WELL
NGPA Section 108

DESIGNATED AGENT Ray Resources, Div. Of F.D.O.C.
ADDRESS 630 Commerce Sq
Charleston, W.Va. 25301

WELL OPERATOR Ray Resources, Div of F.D.O.C. LOCATION: Elevation 970
ADDRESS 630 Commerce Sq. Watershed ENOCHS FORK
Charleston W.Va. 25301 Dist. REEDY County WIRT Quad. RIPLEY
GAS PURCHASER Columbia Gas Gas Purchase Contract No. 22010
ADDRESS 1700 MacCorkle Ave SE Meter Chart Code 207125
Charleston W.Va 25305 Date of Contract 2-9-78

* * * * *

Provide a complete inventory of the lease and production equipment used for the well for the previous 24 months or, if less than 24 months, the period the well has been in production. Include a complete list of equipment or processes used in connection with recognized enhanced recovery techniques during completion or production. (Attach separate sheets, if necessary.)

- ① well head
- ② separator
- ③ 2" tubing
- ④ Tanks
- ⑤ 3" Gathering Line

List all records reasonably available to you which contain information relevant to a determination of eligibility (including production records, B&O Tax Records and royalty payment records) and indicate the location of such records:

- 1) Production Statements
 - 2) Lease files
 - 3) Tax Records
- [Signature]*
Located in Main Office

TOM R. RAGDALE

01/12/2024

Describe the search made of any records listed above:

- 1) Checked Production Statements
- 2) Checked Lease files
- 3) Checked Tax Records

Are you aware of any other information which would tend to be inconsistent with the information specified above? Yes No . If yes, indicate the type and source of the information.

AFFIDAVIT

TOM R. RAGSDALE

I, TOM R. RAGSDALE, having been first sworn according to law, state that I have caused to be made a diligent search of those records hereinbefore indicated in the manner herein described, that the information contained in this document is true and accurate and that on the basis of the records and examinations hereinbefore described, and to the best of my information, knowledge and belief, the well for which this certification is sought qualifies as a stripper well.

STATE OF WEST VIRGINIA,

COUNTY OF Kanawha, TO WIT:

I, DONALD R. WILSON, JR., a Notary Public in and for the state and county aforesaid, do certify that TOM R. RAGSDALE, whose name is signed to the writing above, bearing date the 30TH day of JANUARY, 19 79, has acknowledged the same before me, in my county aforesaid.

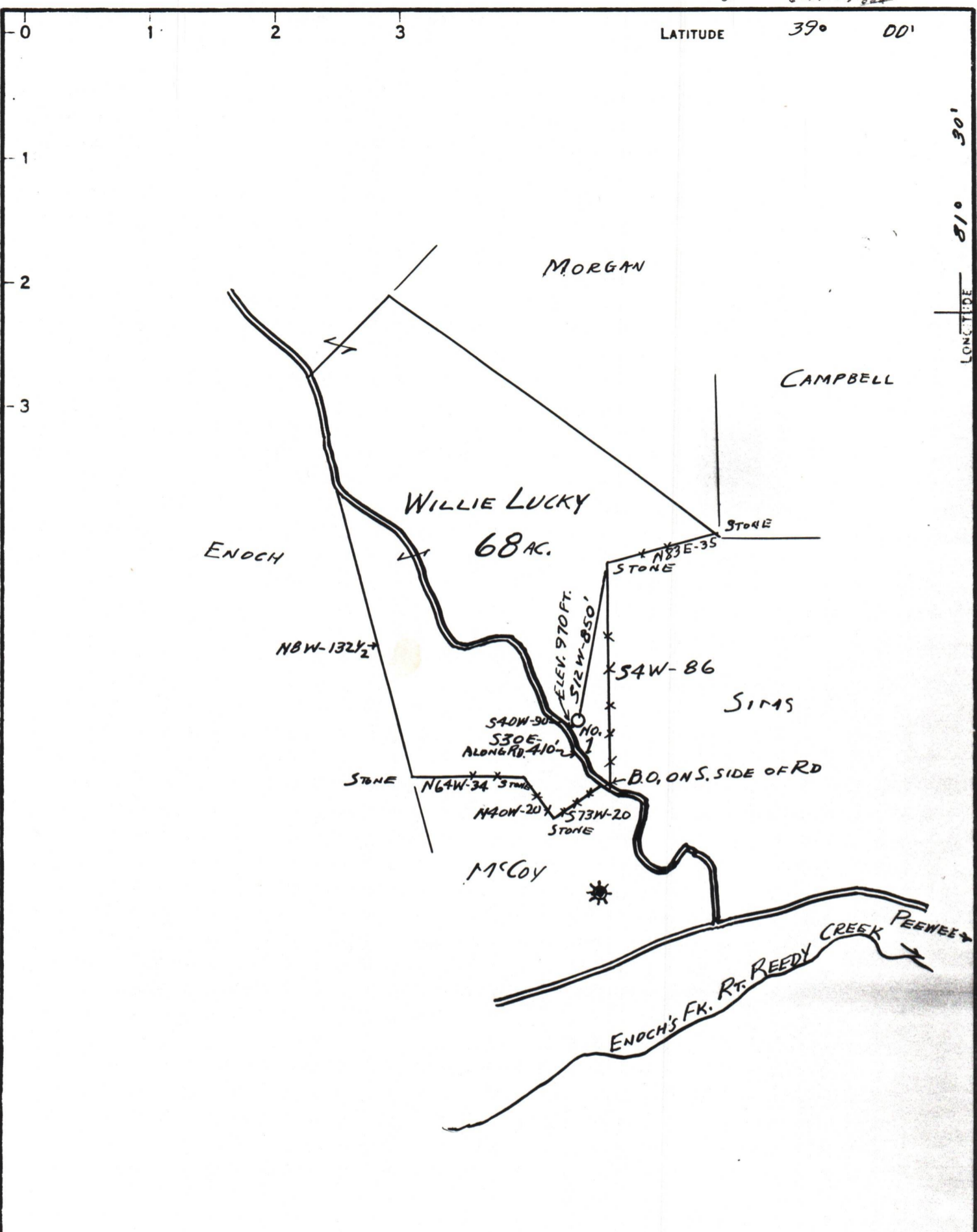
Given under my hand and official seal this 17TH day of FEBRUARY, 19 79.

My term of office expires on the 12TH day of August, 19 80.

01/12/2024

[NOTARIAL SEAL]

OK PEW 6-17-74



CERTIFICATE

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- 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."

Minimum degree of accuracy is one part in 200

Signed Glen W Roberts No 860

COMPANY Roy Resources, Div of F.D.O.C.
 ADDRESS 630 Commerce Sq. Charleston W.V.
 FARM WILLIE LUCKY
 MAP _____ ACRES 68 LEASE NO. _____
 WELL (FARM) NO. _____ SERIAL NO. 540
 ELEVATION (SPIRIT LEVEL) 970 FT.
 QUADRANGLE RIPLEY
 COUNTY WIRT DISTRICT REEDY
 POINT OF PROVEN ELEVATION Fks. Rd. AT PEEWEE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION 01/12/2024
 CHARLESTON

WELL LOCATION MAP
 FILE NO. WIR-679

+ 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.

FILE NO _____ DRAWING NO _____
 DATE JUNE 14, 1974 SCALE 1 IN = 40 POLES

2700' Base

47 105