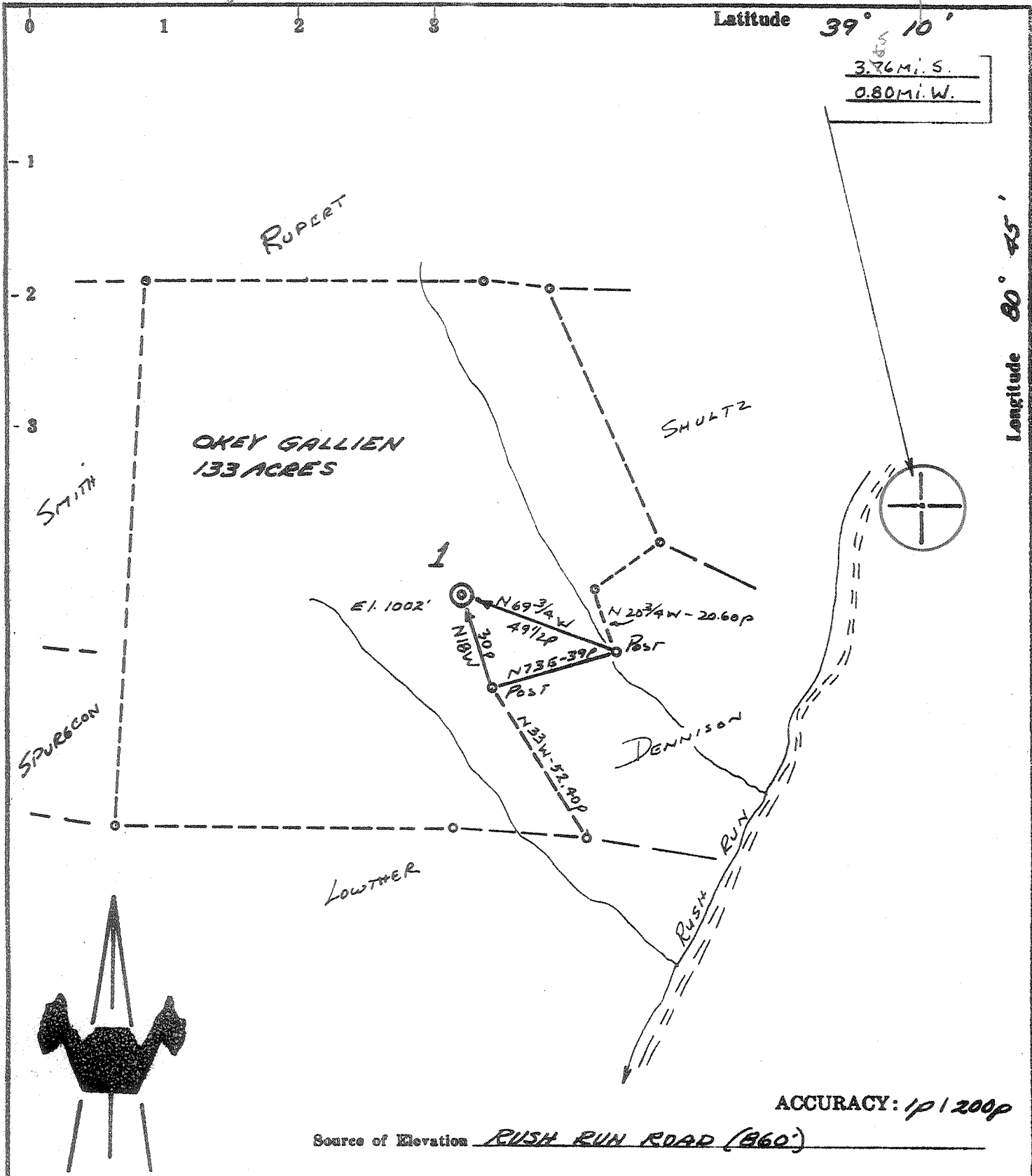


7/10/73



- New Location
- Drill Deeper
- Abandonment *Issued 5-6-75*
- Fracture
- Redrill

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.

Chet Waterman

Company MURKIN OIL COMPANY
 Address P.O. Box 399, OLNEY, ILLINOIS 62450
 Farm OKEY GALLIEN
 Tract _____ Acres 133 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 1002'
 Quadrangle HOLBROOK EC
 County DODDRIDGE District COVE
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788
 File No. 73003-332 Drawing No. _____
 Date 7/10/73 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. Dodd-1741-P

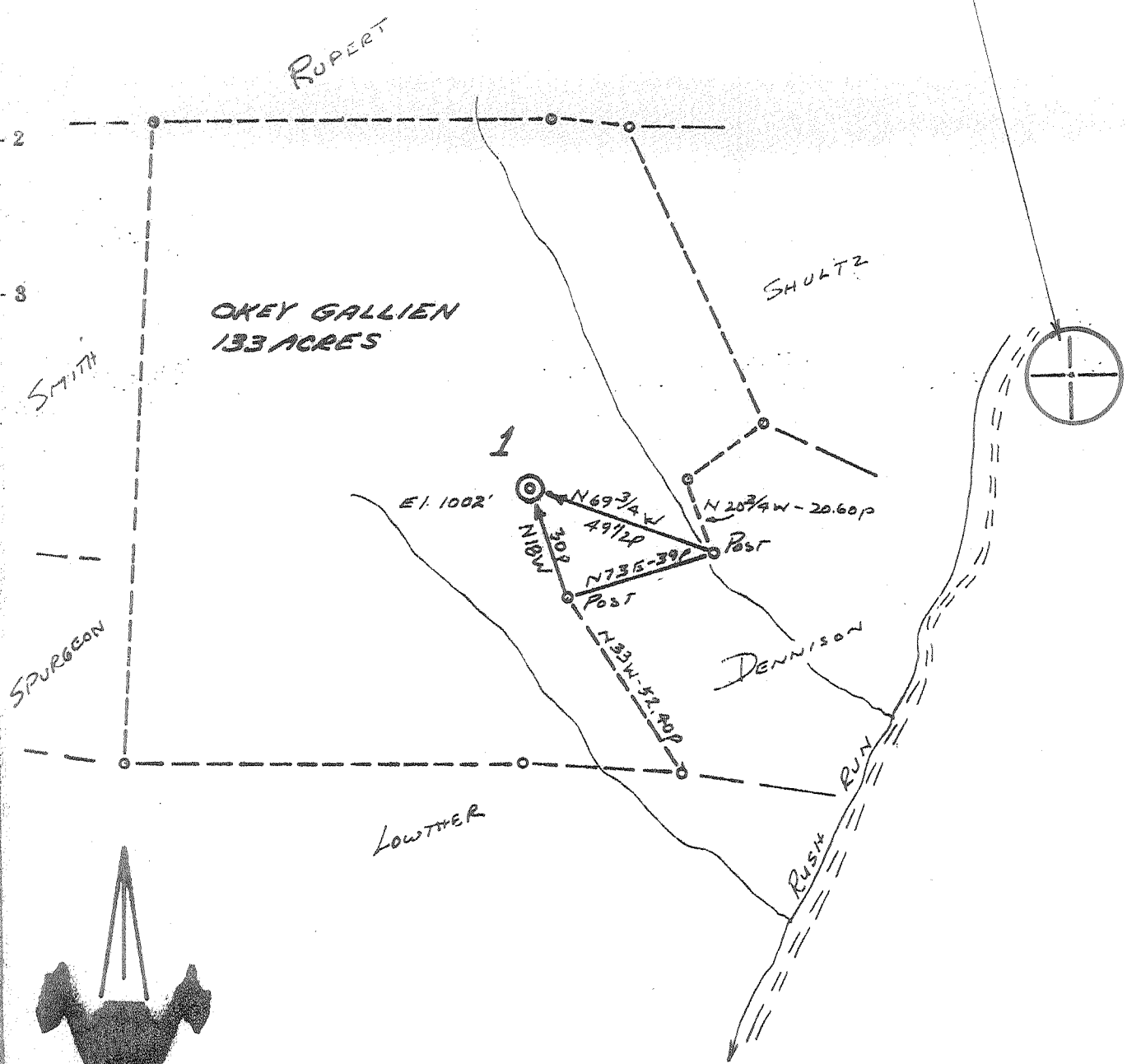
⊕ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

47-017

378² mi. S
0.88 mi. W

Longitude 80° 45'



ACCURACY: 1 P / 200 P

Source of Elevation RUSH RUN ROAD (B&O)

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.

Chet Waterman

- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill

Company MURVIN OIL COMPANY
 Address OLNEY, ILLINOIS
 Farm OKEY GALLIEN
 Tract _____ Acres 133 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 1002'
 Quadrangle HOLBROOK EC
 County ROCKWELL District COKE
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788
 File No. 73003-332 Drawing No. _____
 Date 7/10/73 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. Dodd-1741

○ 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.

47-017



DEC 1 1973

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

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

Quadrangle Holbrook

Permit No. DOD-1741

Company Murvin Oil Corporation
Address Box 297, Olney, Illinois 62450
Farm Gallien Acres 133
Location (waters) Rush Run
Well No. 1 Elev. 1002'
District Cove County Doddridge
The surface of tract is owned in fee by Okey F. and Alma Gallien
Address West Union, West Virginia
Mineral rights are owned by Galliens and Iasiah Reed Address McArthur, Ohio
Drilling Commenced 7/12/73
Drilling Completed 7/16/73
Initial open flow show cu. ft. _____ bbls.
Final production 400,000 cu. ft. per day _____ bbls.
Well open 12 hrs. before test 610 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	253	253	
7			
5 1/2			
4 1/2	2520	2520	
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Copy of Frac Bill attached

Big Injun Perforated: 2022-2012 - 8 shots

2100-2038 - 6 shots

2150-2144 - 6 shots

Berea Perforated: 2448-2442 - 10 shots

Coal was encountered at None Feet _____ Inches _____
Fresh water 80 ft. Feet _____ Salt Water None Feet _____
Producing Sand Big Injun and Berea Depth (see perforating information)

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Red rock			0	80		
Shale			80	230		
Sand			230	275		
Slate and shells			275	490		
Red rock			490	585		
Sand			585	660		
Slate and shells			660	1045		
Sand			1045	1090		
Slate and shells			1090	1205		
Sand			1205	1270		
Slate and shells			1270	1760		
Sand and shale			1760	1955		
Little Lime			1955	1968		
Shale			1968	2003		
Big Lime			2003	2077		
<u>Big Injun Sand</u>			2077	2170		
Slate and Shells - incl. Berea			2170	2535		
Total Depth			2535			

(over)

* Indicates Electric Log tops in the remarks section.



RECEIVED

JUL 11 1973

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE July 11, 1973

Surface Owner Okey F. & Alma Gallien

Company Murvin Oil Corporation

Address West Union, W. Va.

Address Olney, Illinois 62450 *From, Leasing Co.*

Mineral Owner Okey F. & Alma Gallien

Farm Gallien Acres 133

Address West, Union, W. Va.

Location (waters) Rush Run of Big Cove/Creek

Coal Owner Isiah Reed,

Well No. One Elevation 1002'

Address McArthur, Ohio

District Cove County Doddridge

Coal Operator None

Quadrangle Helbrook

Address _____

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 11-11-73.

M.W.M.
INSPECTOR TO BE NOTIFIED Blosser
Box 1857 PH: Fairmont
Calfax, W.Va. 363-9105
26566

Robert K. Jordan
Deputy Director - Oil & Gas Division

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 January 25, 1973 by Okey F. & Alma Gallien made to Fromax Leasing Co. and recorded on the 26th day of January 19 73 in Doddridge County, Book 96 Page 553

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,
(Sign Name) Peter A. Morse Sec.-Treas
Well Operator

Address
of
Well Operator

Murvin Oil Corporation,
Street
P. O. Box 297,
City or Town
Olney, Illinois 62450
State

*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

Dodd-1741 PERMIT NUMBER
47-017

**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 GLENN L. HAUGHT & SONS NAME Warren E. Haught
 ADDRESS Smithville, W. Va., 26178 ADDRESS Smithville, W. Va. 26178
 TELEPHONE 477-2222 TELEPHONE 477-2222
 ESTIMATED DEPTH OF COMPLETED WELL: 2400' ROTARY XX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Berea
 TYPE OF WELL: OIL _____ GAS _____ COMB. XX 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			
9 - 5/8			
8 - 5/8	200'	200'	70 Sacks
7			
5 1/2			
4 1/2		2400'	120 Sacks
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 75' FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS NONE
 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.

For Coal Company

Official Title