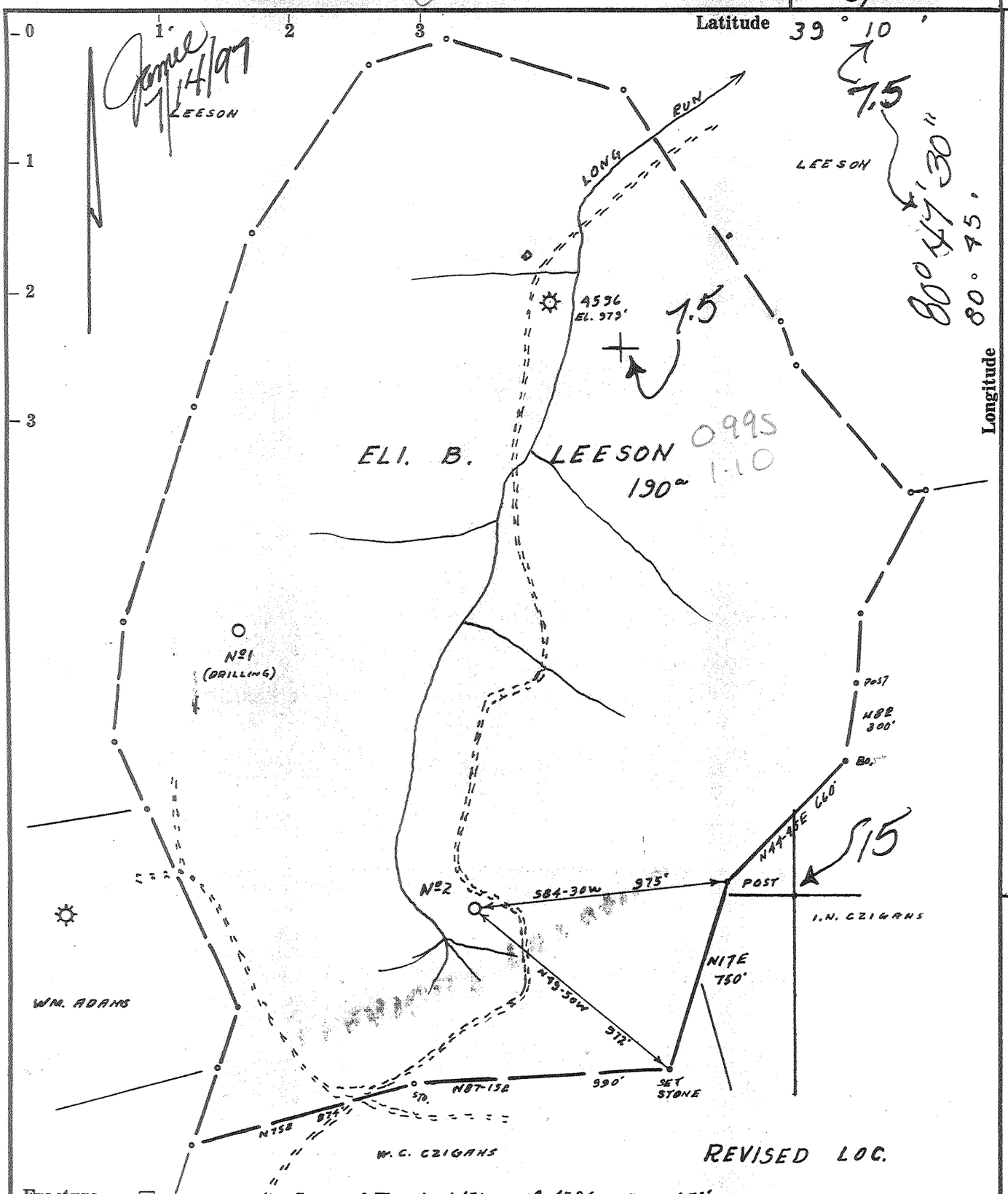


Fracture....☐
Redrill.....☐
New Location.☒
Drill Deeper.....☐
Abandonment.....☐

Source of Elevation WELL № 4596, ELV. 973'

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 accuracy, one part in 200

Co Bet-Ro Inc.
Ad HC 77, Box 7-T
Glenville, Wva. 26351
Fa Surface Owner: Mansfield Leeson

Tract Acres 190 Lease No.
Well (Farm) No. 3 Serial No. 2
Elevation (Spirit Level) 1068'
Quadrangle HOLBROOK 15 Orford 75
County DODDRIDGE District SOUTHWEST
Engineer James Heffner
Engineer's Registration No. 1084
File No. 214/146 Drawing No.
Date 10-17-68 Scale 1" = 500'

WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
#10 McJUNKIN ROAD
NITRO, WEST VIRGINIA 25143-2506

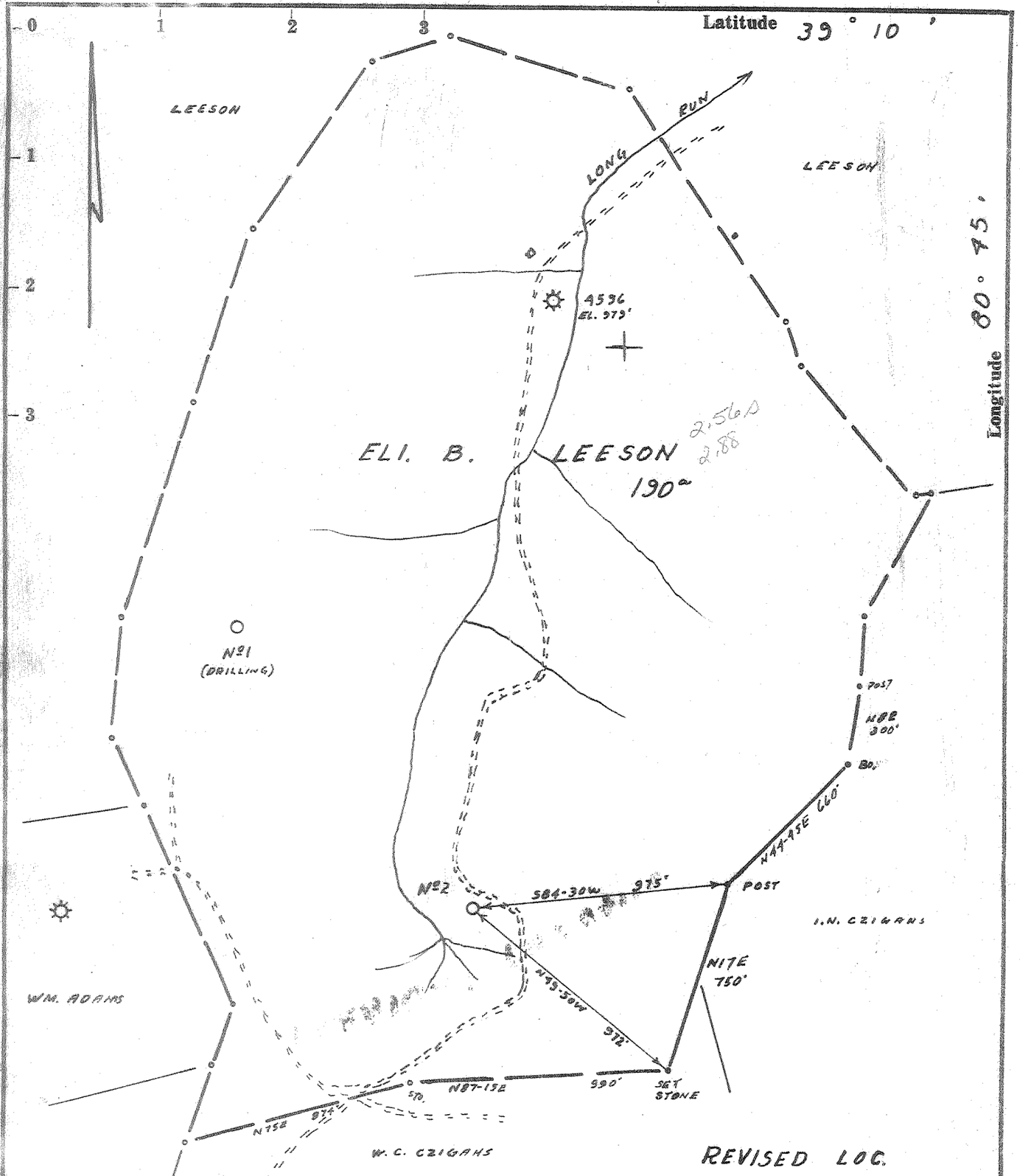
WELL LOCATION MAP

API Well No. 47-017-01534-P
Well drill in 1968 TD 2142'
Production from Big Injun - Squaw.

JUL 25 1997

G & W LEACH CO., PGH., PA.

Plot ✓ Log ✓ Card ✓ CSD ✓ Mflm ✓



Fracture....☐
Redrill.....☐
New Location.☒
Drill Deeper.....☐
Abandonment.....☐

Source of Elevation WELL № 4596, ELV. 979'

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 accuracy, one part in 200

Company WILLARD E. FERRELL
Address PHILADELPHIA, PA. Box 5056
Farm ELI B. LEESON
Tract ____ Acres 190 Lease No. ____
Well (Farm) No. 3 Serial No. 2
Elevation (Spirit Level) 1068' ?
Quadrangle HOLBROOK NE 43 EC
County DODDRIDGE District SOUTHWEST
Engineer James Dellinger
Engineer's Registration No. 1084
File No. 214/146 Drawing No. ____
Date 10-17-68 Scale 1" = 500'

G & W LEACH CO., PGH., PA.

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

WELL LOCATION MAP

FILE NO. Dod-1534-Rev

+ 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.

RDMG

6-6 Straight Fork - Bluestone Creek

NOV 5 1968

Form OG-10

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

WELL RECORD

Rotary ☐
Spudder ☒
Cable Tools ☐
Storage ☐

Quadrangle
Permit No. DOD 1534
Oil or Gas Well Gas (KIND)

Company Tamtum Development Co. # 2 Willard E. Ferrell Agent
Address P.O.Box 5056, Philadelphia, Pa. 19111
Farm Eli B. Leeson Acres 190
Location (waters)
Well No. 2 Elev. 1248
District Southwest County Doddridge
The surface of tract is owned in fee by Eli B. Leeson, heirs
Address West Union
Mineral rights are owned by Eli B. Leeson, heirs
C.R.Spencer, Atty.in Fact for Heirs Address West Union, W.Va.
Drilling commenced 11/13/68
Drilling completed 12/8/68
Date Shot From To
With
Open Flow 9/10ths Water in 1 Inch
/10ths Merc. in Inch
Volume 35M Cu. Ft.
Rock Pressure Not taken lbs. hrs.
Oil bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS)
WELL FRACTURED (DETAILS) Using 800 bls fluid-River-frac- 500 gal acid-40M lbs sand Took the fracture very nicely.
RESULT AFTER TREATMENT (Initial open Flow or bbls.) 1½ million cuft. 1,500,000 1,500 Mcf
ROCK PRESSURE AFTER TREATMENT 700 HOURS 24
Fresh Water Feet Salt Water Feet
Producing Sand Big Injun Depth 2093 - 2126

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16 18	20	20	Kind of Packer
13			
10 ~~8¼~~	290	290	Size of
8¼	1030		
6⅝			Depth set
5 3/16			
4½	2140	2140	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Attach copy of cementing record.
CASING CEMENTED 4½ SIZE 200 No. Ft. 12/13/68 Date
Amount of cement used (bags) 65
Name of Service Co. Lawson
COAL WAS ENCOUNTERED AT FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay			0	25			
Red Rock			25	120			
Slate			120	228			
Red Rock			228	280			
Slate			280	295			
Red Rock			295	350			
Sand			350	375			
Red Rock			375	425			
Slate & Shells			425	500			
Red Rock			500	670			
Slate & Shells			670	760			
Red Rock			760	820			
Slate & Shells			820	840			
Sand			840	850			
Red Rock & Shells			850	900			
Slate & Shells			900	950			
Red Rock			950	965			
Sand			965	1008			
Lime			1008	1025			
Slate & Shells			1025	1150			
Red Rock			1150	1358			
Sand			1358	1432			
Lime			1432	1450			
Sand			1450	1505			
Black Slate			1505	1520			
Lime &			1520	1673			
Sand			1673	1705			
Gritty Lime			1705	1816			
Sand			1816	1841			

(over)

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JAN 26 1969

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
B Slate			1911	1935			
Red Rock			1935	1942			
Lime			1942	1971			
Slate & Shells			1971	1988			
The Lime			1988	2043			
Sand			2043	2068			
Lime			2068	2093			
Sand	Big Injun		2093	2126			
Slate & Shells			2126				
Total Depth				2142			

Date June 15, 1949

APPROVED Edward E. Francis, Owner

By _____
(Title)

WR-38
1-Jul-97

RECEIVED
West Virginia Division of Environmental Protection
AUG 2 1997

Permitting
Office of Oil & Gas

API # 47- 17-01534-P

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
SECTION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: LEESON, MANSFIELD Operator Well No.:2

LOCATION: Elevation: 1,248.00 Quadrangle: OXFORD
District: SOUTHWEST County: DODDRIDGE
Latitude: 13680 Feet South of 39 Deg. 10 Min. 0 Sec.
Longitude 0 Feet West of 80 Deg. 47 Min. 30 Sec.

Well Type: OIL _____ GAS XX

Company: Bet-Ro Inc.
Rt.77, Box 7-D
Glenville, WV. 26351

Agent: William Stalnaker

Coal Operator or Owner: None

Coal Operator or Owner: None

Permit Issued: 07/25/97

RECEIVED
West Virginia Division of Environmental Protection
AUG 29 1997

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Gilmer ss:

Permitting
Office of Oil & Gas

R.L.Roberts and Phil Pulliam being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well, and Mike Underwood & Phillip Tracy Oil and Gas Inspector representing the Director, say that said work was commenced on the 15th. day of Aug., 1997, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE	REMOVED	LEFT
Hole gelled to surface					
Cement	1996	1680	4½"	760'	1236'
Cement	700	600	10"	145'	?
Cement	100	-0-	18"	3'	?

Remarks: The well record was wrong for this well T.D. 1996
Cut 4½" at 760 had to pull to 700' to get out of cavings.
Cement plug were approved by Phil Tracy 8/29/97

Description of monument: 7" marker 30" above ground with API No. 47-017-1534-P
and that the work of plugging and filling said well was completed on the 21st. day of Aug., 1997.

And furthur deponents saith not.

R L Roberts

Phillip Pulliam

Sworn and subscribe before me this 22 day of Aug., 1997
My commission expires: March 29, 1999

Sandra Drake
Notary Public

OFFICIAL SEAL NOTARY PUBLIC
STATE of WEST VIRGINIA
SANDRA DRAKE
31 WEST MAIN ST.
GLENVILLE, W. VA. 26351
My Commission Expires Mar. 29, 1999

Oil and Gas Inspector: Mike Underwood and Phillip Tracy

SEP 5 1997