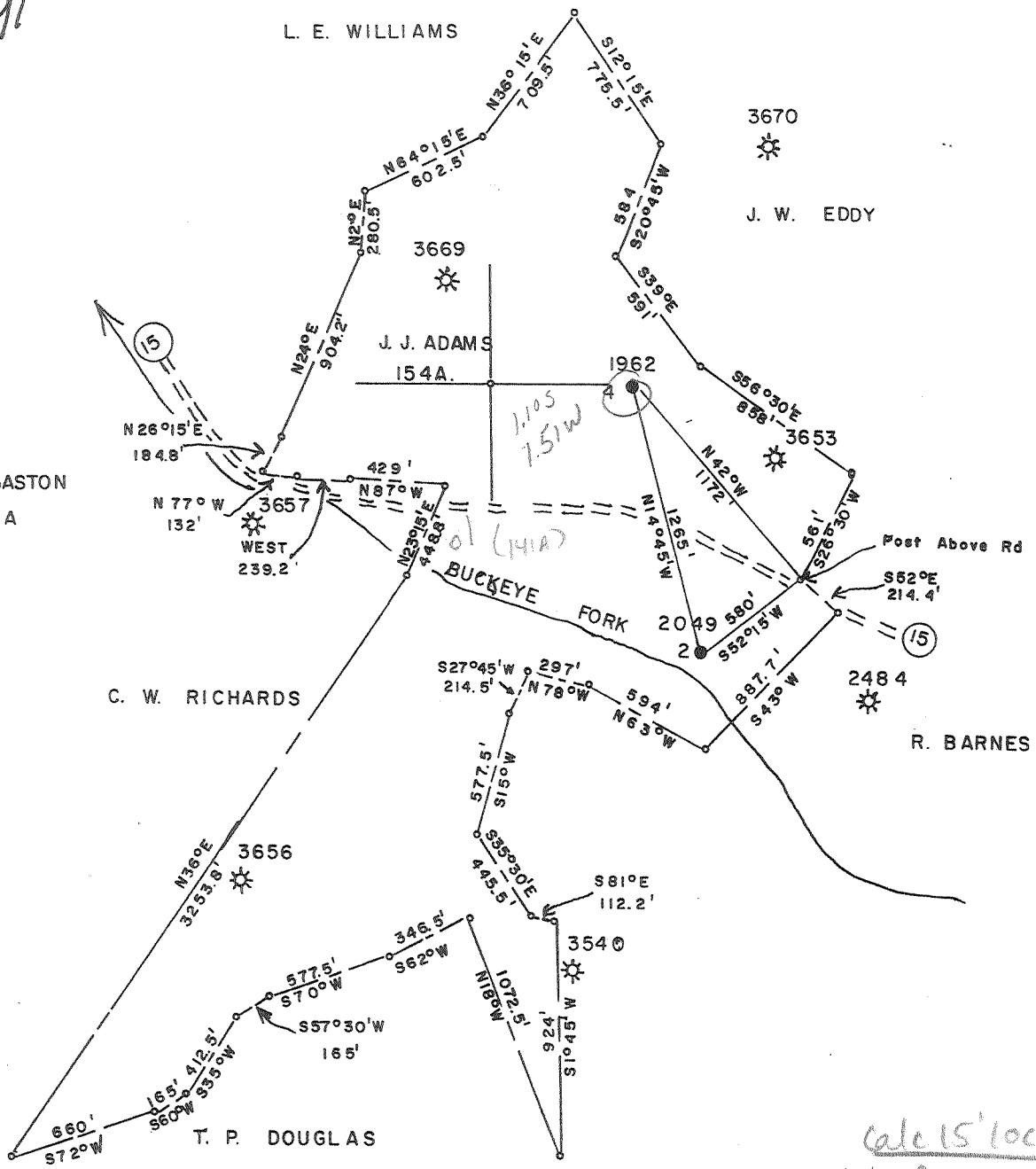
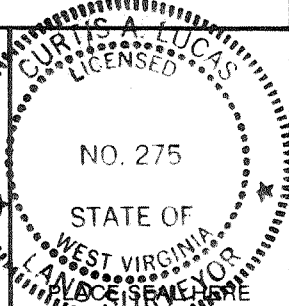


Janice
11/14/91



FILE NO. _____
 MAP N18 SQS S15 W1
 SCALE 1" = 800'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION USGS BM "2JEA"
1962

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) Curtis A. Lucas
 CURTIS A. LUCAS LLS 275



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE Sept. 22, 1991
 FARM J. J. ADAMS NO. 4
 API WELL NO. (1174-HCL4)
47 - 017 - 1962
 STATE COUNTY PERMIT

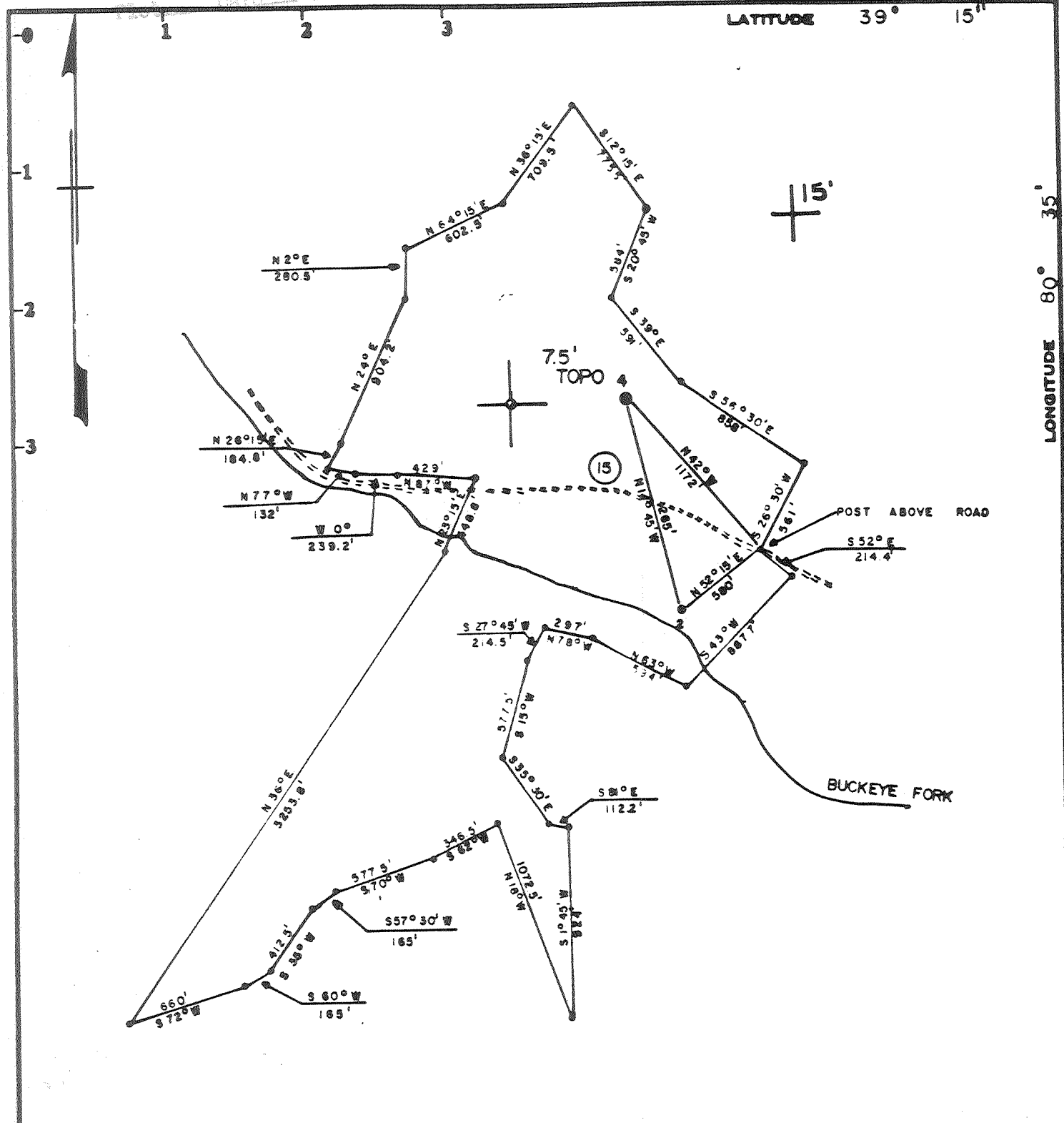
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS.") PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____
 LOCATION: ELEVATION 969 WATER SHED BUCKEYE FORK
 DISTRICT GREENBRIER COUNTY DODDRIDGE
 QUADRANGLE BIG ISAAC Vadisine
 SURFACE OWNER _____ ACREAGE _____
 OIL & GAS ROYALTY OWNER _____ LEASE ACREAGE 15.4
 LEASE NO. _____
 PROPOSED WORK: DRILL _____ CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG _____
 TARGET FORMATION GORDON ESTIMATED DEPTH 2724
 WELL OPERATOR CLARENCE W. MUTSCHELKNAUS DESIGNATED AGENT CLARENCE W. MUTSCHELKNAUS
 ADDRESS P O BOX 351 SALEM WV 26426 ADDRESS P O BOX 351 SALEM WV 26426

NOV 8 - 1991

FORM IV-6 (6-78)

6/22/79 *PL*



Minimum Error of Closure _____

Source of Elevation USGS BM "2JEA 1962"

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: *Curtis A. Lucas*

- Fracture.....
- New Location
- Drill Deeper.....
- Abandonment 6/25/79

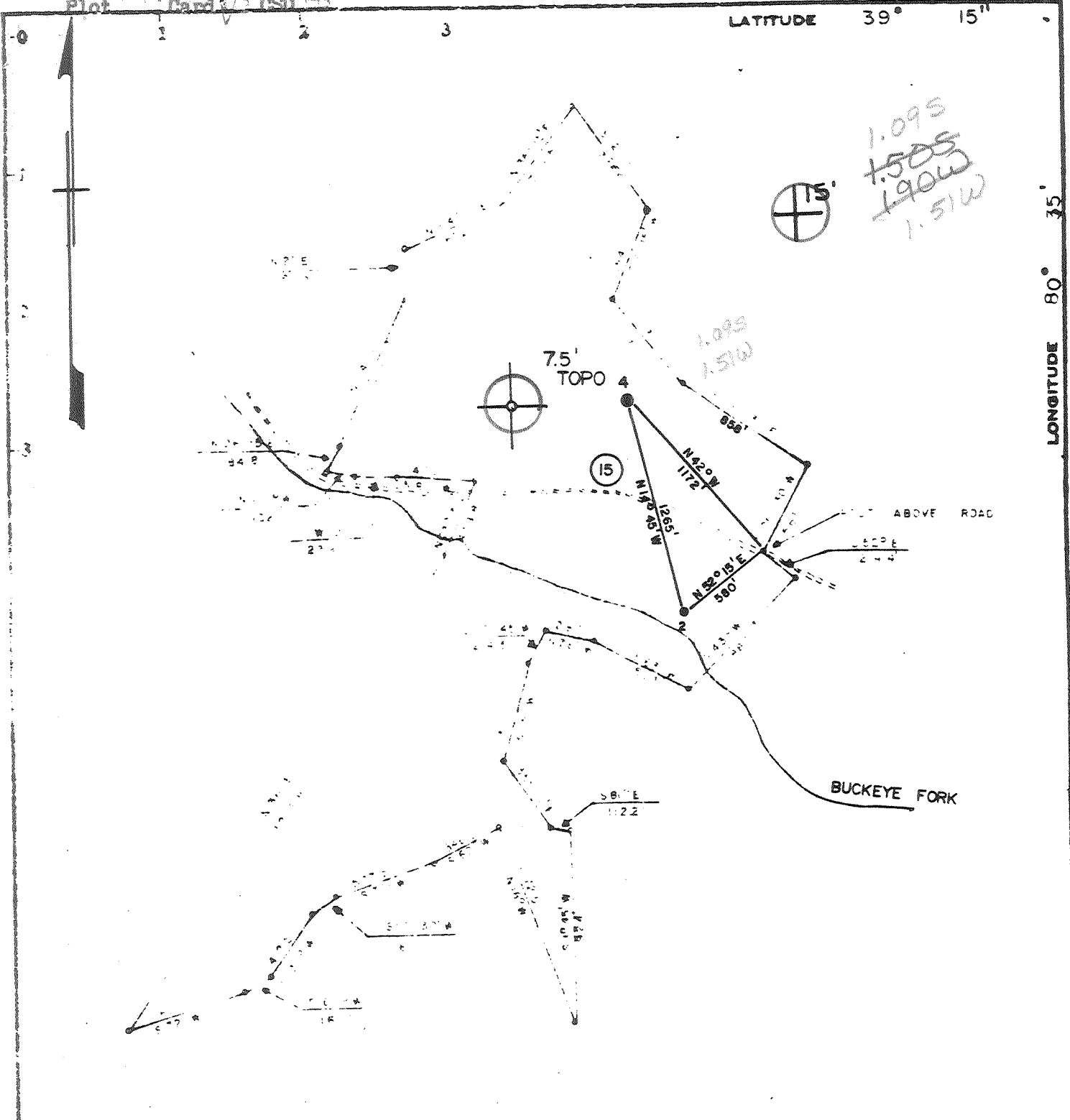
Map No. N 18 Squares: N S 15 E W 1

Company PENNZOIL COMPANY
 Address P. O. Box 1588, Parkersburg, W. Va. 26101
 Farm JONATHAN J. ADAMS
 Tract _____ Acres 154 Lease No. 80771
 Well (Farm) No. 4 Serial No. _____
 Elevation (Spirit Level) 898.00'
 Quadrangle BIG ISAAC 7.5', VADIS 15'
 County DODDRIDGE District GREENBRIER
 Surveyor CURTIS A. LUCAS
 Surveyor's Registration No. 275
 File No. _____ Drawing No. _____
 Date 6/14/79 Scale 1" = 800'

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

WELL LOCATION MAP
(was 1962)
FILE NO. 47-017-2447-P
Plugging Cancelled
 + 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.

BRUNING 44-131 27198



Minimum Error of Closure _____

Source of Elevation USGS BM "2JEA 1962"

- Fracture
- New Location
- Drill Deeper
- Abandonment 6/25/79

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: Curtis A. Lucas

Map No. N 18 Squares: N S 15 E W 1

Company	PENNZOIL COMPANY		
Address	P.O. Box 1588, Parkersburg, W. Va 26101		
Farm	JONATHAN J. ADAMS		
Tract	Acres	Lease No.	8077
Well (Farm) No.	4	Serial No.	
Elevation (Spirit Level)	898.00'		
Quadrangle	BIG ISAAC 7.5', <u>VADIS 15'</u>		
County	DODDRIDGE	District	GREENBRIER <u>NC</u>
Surveyor	CURTIS A. LUCAS		
Surveyor's Registration No.	275		
File No.	Drawing No.		
Date	6/14/79	Scale	1" = 800'

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

WELL LOCATION MAP

FILE NO. 47-017-2447-P

Plugging Cancelled

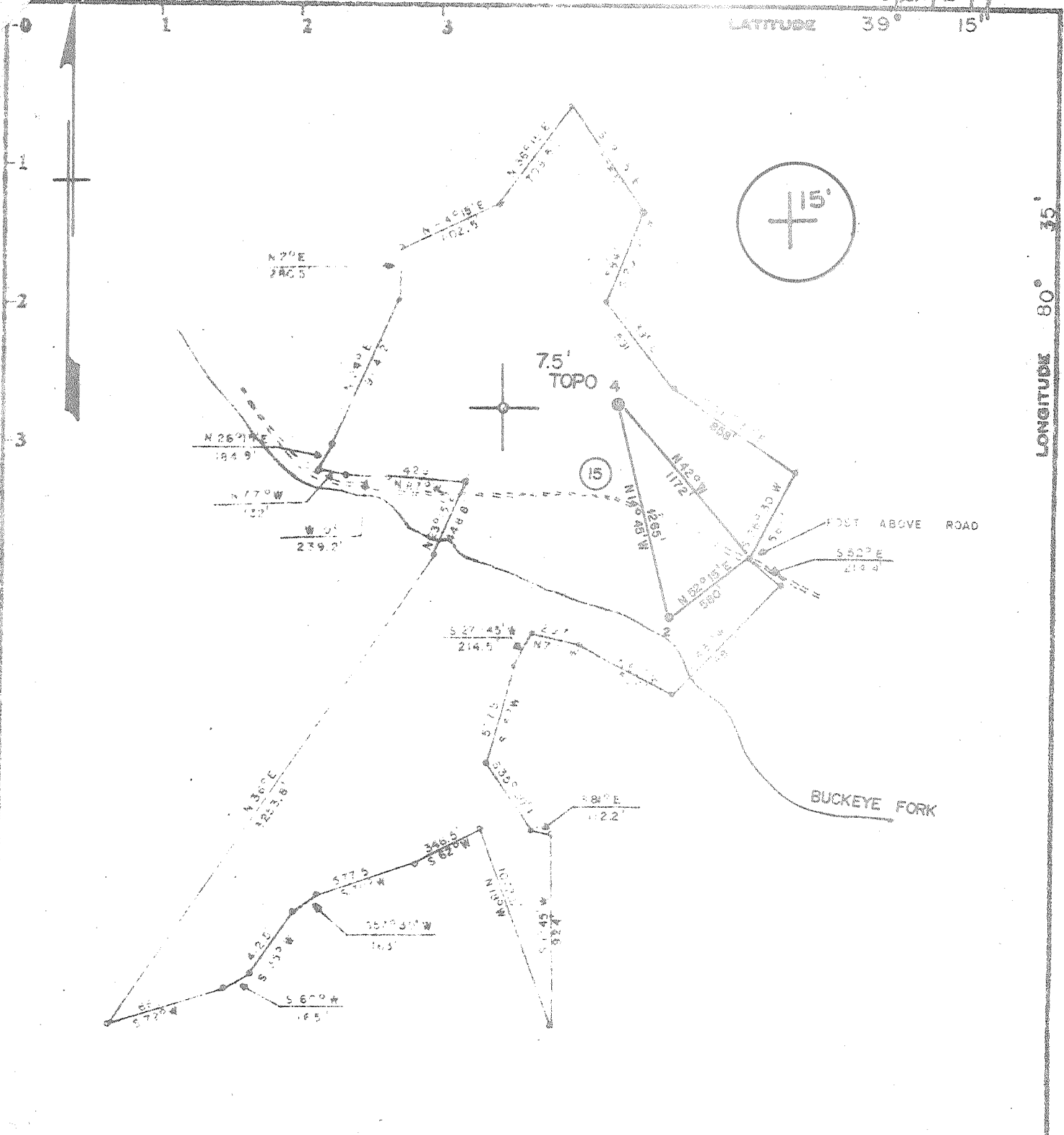
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

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

BRUNING 44-131 27196

JUN 23 1981

6/22/79



Minimum Error of Closure _____

Source of Elevation U.S.G.S. BM "2 JEA 1962"

Fracture
 New Location
 Drill Deeper
 Abandonment 6/25/79

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: *Curtis A. Lucas*
 Map No. N18 Squares: N S15 E W1

Company PENNZOIL COMPANY
 Address P. O. Box 1588, Parkersburg, W. Va. 26101
 Name JONATHAN J. ADAMS
 Tract Acres 154 Lease No. 8077
 Well (Farm) No. 4 Serial No. _____
 Elevation (Spirit Level) 898.00' *MC*
 Quadrangle BIG ISAAC 7.5', VADIS 15'
 County DODDRIDGE District GREENBRIER
 Surveyor CURTIS A. LUCAS
 Surveyor's Registration No. 275
 File No. _____ Drawing No. _____
 Date 6/14/79 Scale 1" = 800'

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

WELL LOCATION MAP
 FILE NO. 47-017-2447-P

+ Denotes location of well on United States Topographic Maps, scale 1 to ~~62,500~~ ^{24,000}, latitude and longitude lines being represented by border lines as shown.

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

JUL 17 1979

BRUNING 44-131 27198

DATE TAKEN	READING	LIQUID	OPENING	PERCENT PRESENCE	1 MIN.	5 MIN.	10 MIN.	30 MIN.	60 MIN.	ROCK	VOLUME	SAND	DATE	QTS.	GASOL	VOLUME USED	TYPE	DATE	
Nov 27 1929	24/10	W.	1 1/2"								4378	Shiff & Son	7-7-1914	70	Shiff & Son	106	Shiff & Son	1914	
Dec 21 1931	10/10		1 1/2"								2384	Shiff & Son	7-14-1915	30	Shiff & Son	106	Shiff & Son	1915	
Mar 13 1932	20/10	red	1 1/4"								2736	Shiff & Son	12-27-1930	40	Shiff & Son	106	Shiff & Son	1930	
" "	" "																		

VOLUME AND PRESSURE TESTS													PACKERS						
DATE TAKEN	READING	LIQUID	OPENING	PERCENT PRESENCE	1 MIN.	5 MIN.	10 MIN.	30 MIN.	60 MIN.	ROCK	VOLUME	SAND	DATE	QTS.	GASOL	VOLUME USED	TYPE	DATE	
Nov 27 1929	24/10	W.	1 1/2"								4378	Shiff & Son	7-7-1914	70	Shiff & Son	106	Shiff & Son	1914	
Dec 21 1931	10/10		1 1/2"								2384	Shiff & Son	7-14-1915	30	Shiff & Son	106	Shiff & Son	1915	
Mar 13 1932	20/10	red	1 1/4"								2736	Shiff & Son	12-27-1930	40	Shiff & Son	106	Shiff & Son	1930	
" "	" "																		

017-1962
 70W:2447

