

Jamie
10/19/95

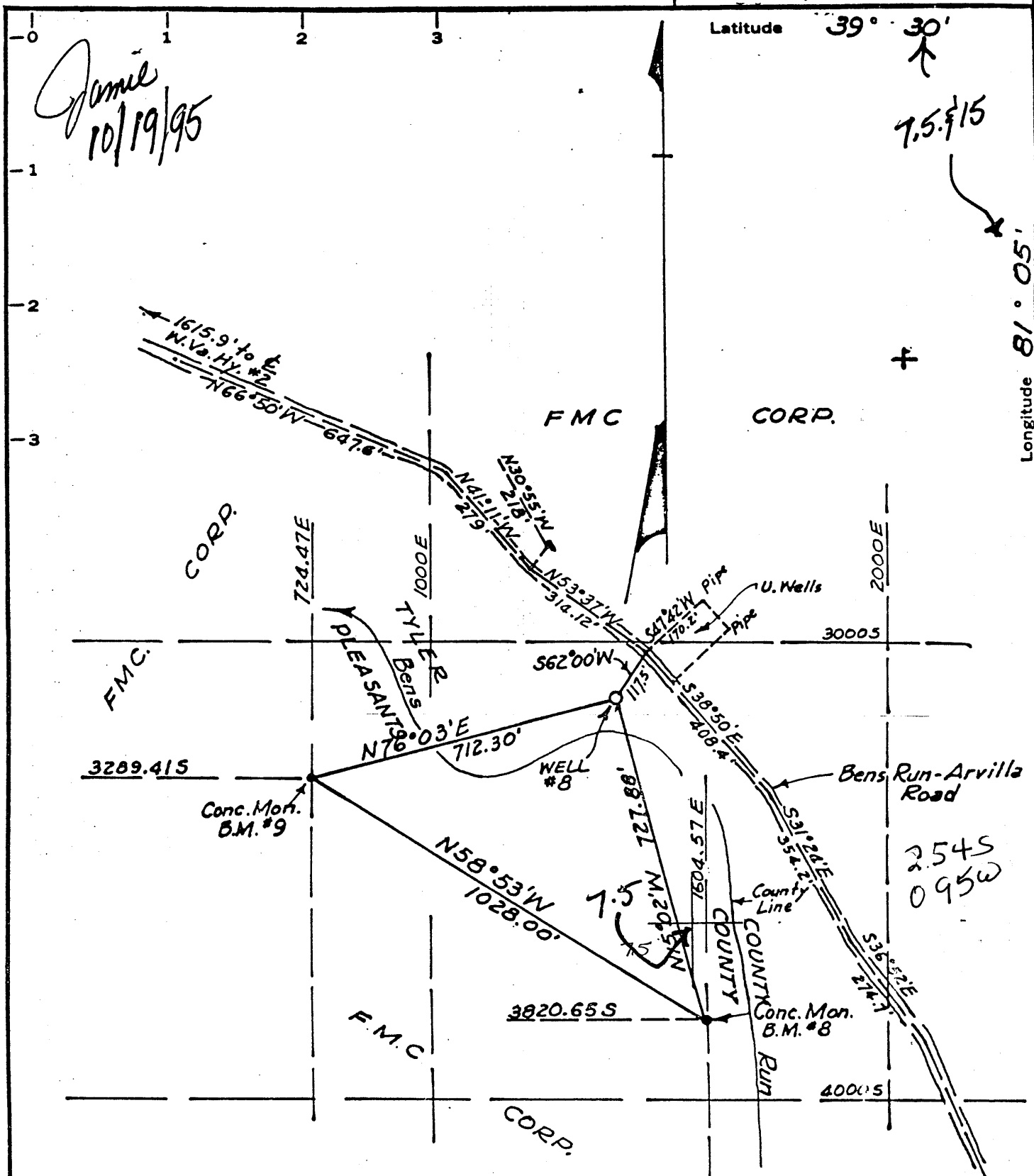
5330'

Latitude 39° 30'

7.5.15

Longitude 81° 05'

13610



MINIMUM ERROR OF CLOSURE 1' in 2000'

SOURCE OF ELEVATION U.S.G.S. BM No. E131, Elev. 654.309

New Location
 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 THE STATE OF WEST VIRGINIA."

Compa Bens Run Land Company Ltd. Ptshp.
 Address 6480 Busch Blvd., Ste 321-Columbus, OH.
 Farm Surface: Ben's Run # 8 43229

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL & GAS
 NITRO, WEST VIRGINIA 25143

Tract _____ Acres 372.76 Lease No. _____

Well (Farm) No. 8 Serial No. _____

Elevation (Spirit Level) 620.0

Quadrangle St. Marys 15 Bens Run 7.5

County Tyler District Union

Engineer J. F. Johnston

Engineer's Registration No. 2492

File No. _____ Drawing No. _____

Date March 20, 1968 Scale 1" = 300'

WELL LOCATION MAP

APR 21 1968
 47-095-00420-W
re-work cancelled 11/28/99

+ 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.

TYL 0420-W CAN

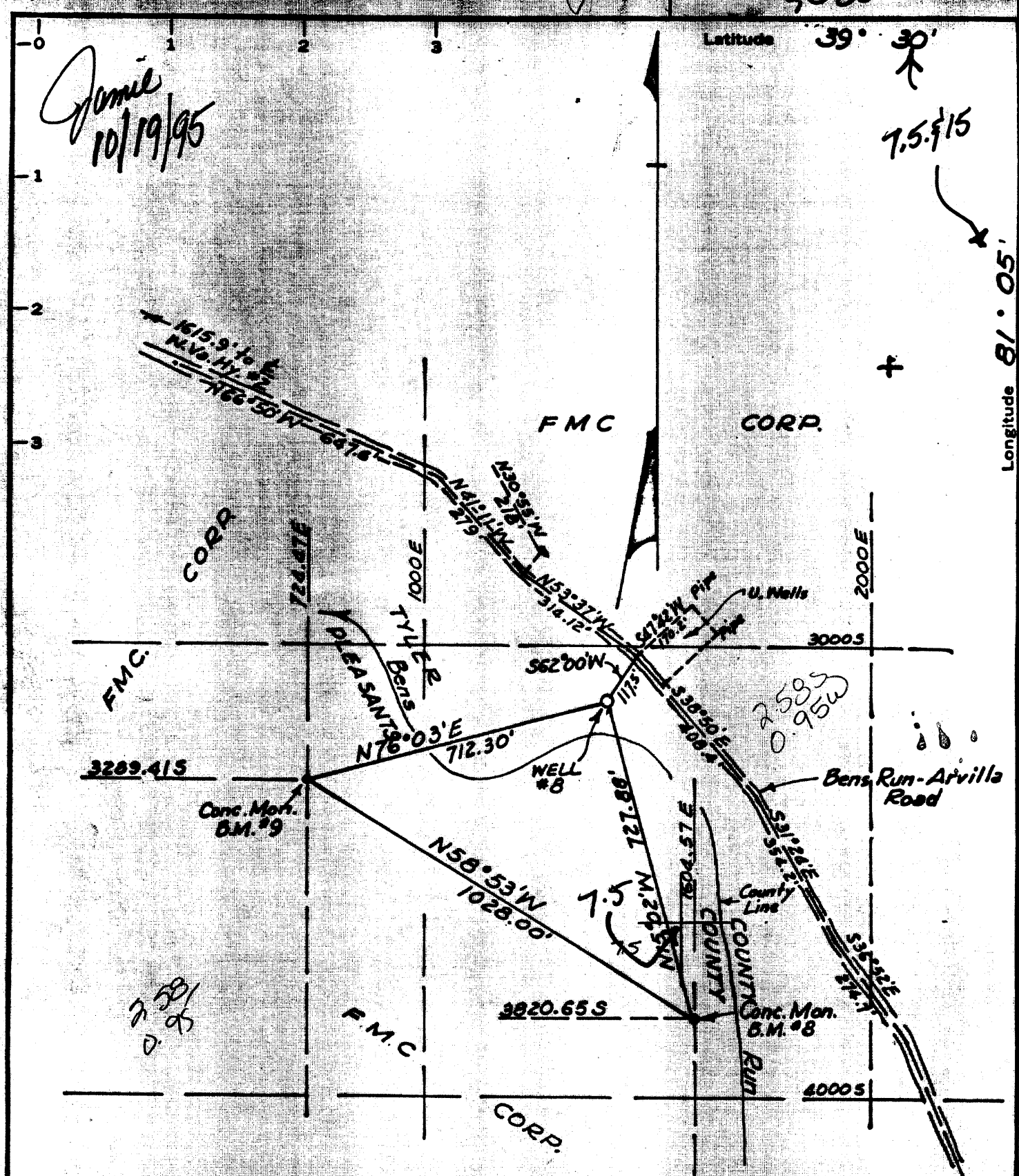
5330

Done
10/19/95

Latitude 39° 30'

7.5.15

Longitude 81° 05'



MINIMUM ERROR OF CLOSURE 1' in 2000'

SOURCE OF ELEVATION U.S.G.S. BM No. E 131. Elev. 654.309

New Location
 Drill Deeper
 Abandonment

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Compa Bens Run Land Company Ltd. Ptshp.
 Address 6480 Busch Blvd., Ste 321-Columbus, OH.
 Farm Surface: Ben's Run # 8 43229

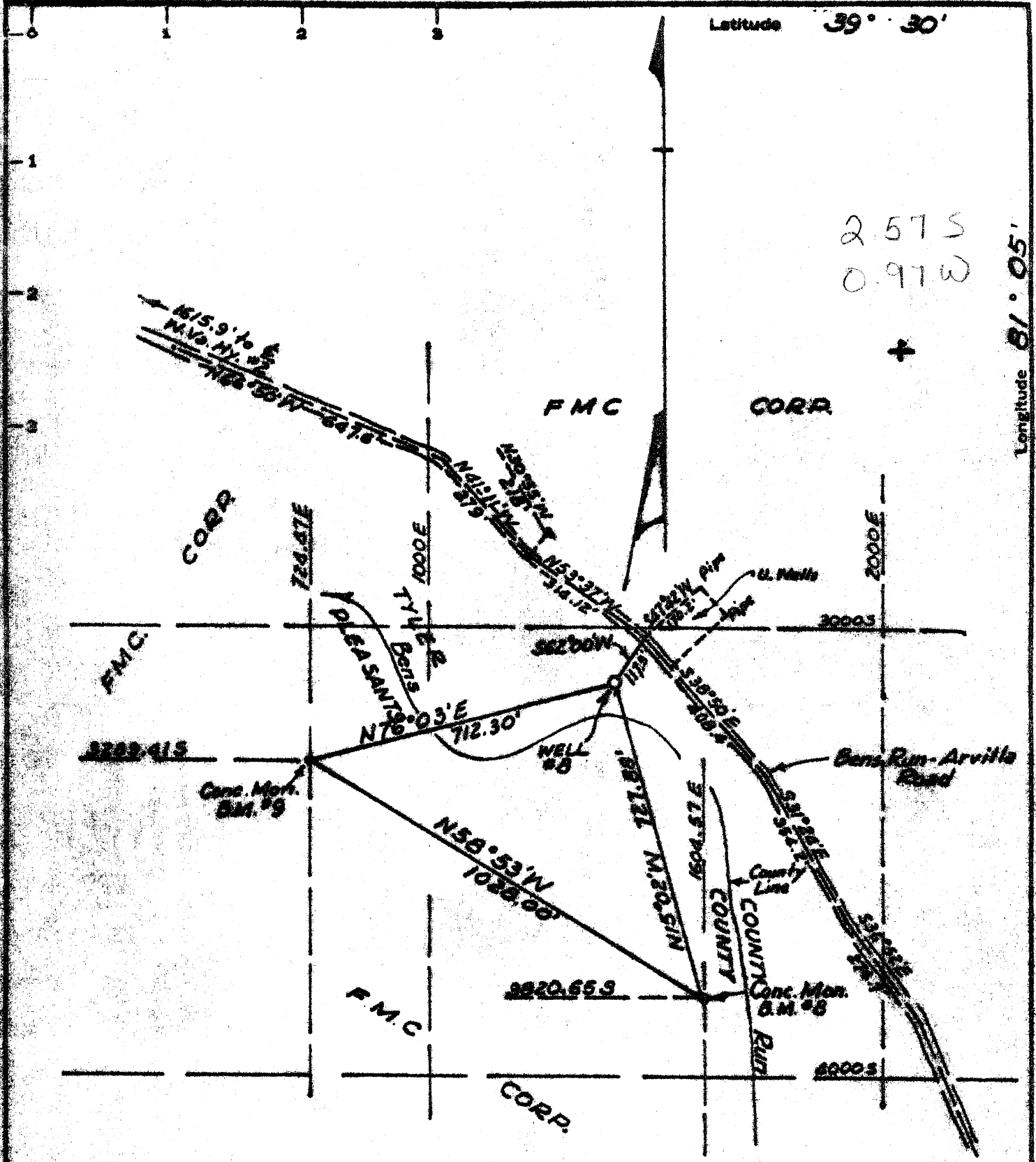
STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL & GAS
 NITRO, WEST VIRGINIA 25143

Tract _____ Acres 32.26 Lease No. _____
 Well (Farm) No. 8 Serial No. _____
 Elevation (Spirit Level) 620.0
 Quadrangle St. Marys 15 Bens Run 7.5
 County Tyler District Union
 Engineer D. F. Johnston
 Engineer's Registration No. 2492
 File No. _____ Drawing No. _____
 Date March 20, 1968 Scale 1" = 300'

WELL LOCATION MAP
 094 Well No. 47-095-00420-W

+ 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.



2.57 S
0.97 W

Longitude 81° 05'

MINIMUM ERROR OF CLOSURE 1' in 2000'

SOURCE OF ELEVATION U.S.G.S. B.M. No. E131. Elev. 654.309

New Location
 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."

Company FMC CORPORATION
 Address 633-3rd Ave. New York 17, N.Y.
 Farm FMC Corporation
 Tract _____ Acres 372.76 Lease No. _____
 Well (Farm) No. B Serial No. _____
 Elevation (Spirit Level) 620.0
 Quadrangle St. Marys NC
 County Tyler District Union
 Engineer H. F. Johnston
 Engineer's Registration No. 2492
 File No. _____ Drawing No. _____
 Date March 20, 1968 Scale 1" = 300'

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

WELL LOCATION MAP
 FILE NO. TYL-420

+ 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.
(Deep Well)
Salinas
Brine Well

MAY 13 1968



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle St. Marys

Permit No. TYL-420

WELL RECORD

~~Oil~~ ~~Gas~~ ~~Water~~ Salt
(KIND)

Company FMC Corporation, Inorganic Chemicals Div.
Address P.O. Box 8127, South Charleston, W. Va.
Farm FMC Corporation Acres 372.76

Location (waters) Bens Run, W. Va.
Well No. 8 Elev. 620
District Union County Tyler

The surface of tract is owned in fee by FMC Corporation
Address South Charleston, W. Va.
Mineral rights are owned by FMC Corporation
Address South Charleston, W. Va.

Drilling commenced June 1, 1968
Drilling completed July 7, 1968
Date Shot Not applicable From To

Open Flow /10ths Water in Inch
 /10ths Merc. in Inch
Volume Cu. Ft.
Rock Pressure lbs. hrs.
Oil bbls., 1st 24 hrs.

WELL ACIDIZED Not applicable to salt well

WELL FRACTURED N/A

RESULT AFTER TREATMENT N/A
ROCK PRESSURE AFTER TREATMENT --
Fresh Water Not measured Feet --
Salt Water -- Feet --

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
20"	74'	74'	Kind of Packer
13-3/8"	1740'	1740'	
9-5/8"	6100'	6100'	
6 5/8"			Size of
3 3/16"			Depth set
3"			Perf. top
2"			Perf. bottom
Liners Used			Perf. top
7"	494'	494'	Perf. bottom

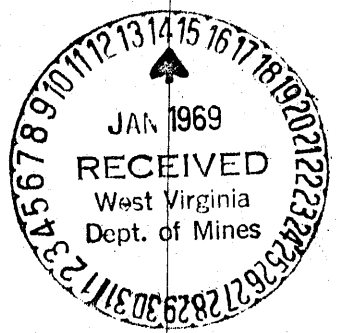
Liner set and cemented at 6346'
*See below.
CASING CEMENTED SIZE No. Ft. Date

COAL WAS ENCOUNTERED AT 786 FEET 48 INCHES

 FEET INCHES FEET INCHES

*Casing Cemented	Date	Size (in.)	No. Ft.	Cement (bags)	Service Co.
	6-4-68	20	74	155	Dowell
	6-16-68	13-3/8	1740	665	Dowell
	6-29-68	9-5/8	1700	620	Dowell
	7-6-68	7	494	250	Dowell

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand & gravel	gray	soft	surface	40			
Sand & shale Allegheny	gray & red	soft	40	708			
sand & shale Pottsville	gray & brown	soft	708	947			
sand & shale Mauch chunk	gray	hard	947	1183			
sand Greenbrier	gray	hard	1183	1290			
limestone & sand Pocono	brown	hard	1290	1372			
sand & shale Devonian System	gray	hard	1372	1528			
Sand & shale Marcellus	gray	hard	1528	5307			
shale Onondaga	black	soft	5307	5373	gas pockets throughout		entire section
limestone Driskany	lt. gray	hard	5373	5562	Note gas shows in Dev sh. & Onondaga		
sand Silurian System	lt. gray	hard	5562	5624	gas at 5567		
elderberg limestone	brown	hard	5624	6015	5373	5562	5624
Salina Dolomite	gray	hard	6015	6224	620	620	620
Salt Dolomite	gray/white	soft	6224	6296	4753	4942	5004
Dolomite	gray	hard	6296	6319			(interbedded Anhydrite)
Salt Dolomite	gray/white	soft	6319	6341			"
Dolomite	gray	hard	6341	6346	(over) T.D.		"



519

JAN 25 1969

FOR **RECEIVED**
 WV Division of
 Environmental Protection

095-0420-W

4585

(6)

241

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
 WELL WORK PERMIT APPLICATION

SEP 08 1995

COPY

21227

- 1) Well Operator: BENS RUN LAND COMPANY LIMITED PARTNERSHIP
 Permitting
 Office of Oil & Gas
- 2) Well Number: BENS RUN WELL NO. 8 3) Elevation: GL: 620'
PERMIT NO. TYL-420 (1969) KB: 637'
- Well type: (a) Oil / or Gas / *Issued 10/20/95*
Expires 10/20/97
- (b) If Gas: Production X / Underground Storage /
 Deep X / Shallow /
- ~~Proposed~~ Target Formation(s): ORISKANY SAND (@ + 5564') *495*
- ~~Proposed~~ Total Depth: 6350 feet (EXISTING WELLBORE)
- 7) Approximate fresh water strata depths: NOT MEASURED (SEE ATTACHED WELL RECORD)
- 8) Approximate salt water depths: NOT MEASURED
- 9) Approximate coal seam depths: 786'
- 10) Does land contain coal seams tributary to active mine? Yes / No X /
 Recomplete the currently inactive existing No. 8 wellbore to the
- 11) Proposed Well Work: Oriskany Formation. Tubing & packer will be run to +1-5300'.
- 12) The Oriskany will be perforated through tubing underbalanced at 5564-79' (subject to correlation log). The completed interval will be stimulated as needed.

CASING AND TUBING PROGRAM

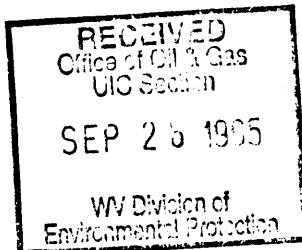
TYPE	SPECIFICATIONS		FOOTAGE INTERVALS			CEMENT Fill-up (cu. ft.)
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	20"	H-40	94#	0'-74'	74'	74'
Fresh Water	13-3/8"	J-55	61#	0'-1740'	1740'	1740'
Coal						
Intermediate						
Production	9-5/8"	N-80	43.5#	0'-6100'	6100'	2016'
Tubing						
Liners	7"	N-80	26#	5854'-6348'	494'	494'

PACKERS : Kind Double holddown compression (make not yet determined)
 Sizes 9-5/8"
 Depths set 5300'

For Office of Oil and Gas Use Only

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond LC Blank Agent
 (Type)

22A
41



- 1) Date: AUGUST 10, 1995
- 2) Operator's well number
BENS RUN WELL NO. 8
- 3) API Well No: 47 - 095 - 420 - w
State County Permit

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
 - (a) Name Bens Run Land Company Limited Partnership
 - Address 6480 Busch Blvd., Suite 321
Columbus, OH 43229
 - (b) Name _____
 - Address _____
 - (c) Name _____
 - Address _____
- 5) (a) Coal Operator:
 - Name Not Applicable (N/A)
 - Address _____
 - (b) Coal Owner(s) with Declaration
 - Name N/A
 - Address _____
 - (c) Coal Lessee with Declaration
 - Name N/A
 - Address _____
- 6) Inspector Mr. Mike Underwood
- Address Rt. 2, Box 135
Salem, WV 26426
- Telephone (304) - 782-1043

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR

 X Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through on the above named parties, by:

- X Personal Service (Affidavit attached)
- Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator BENS RUN LAND COMPANY LIMITED PARTNERSHIP
 By: PROBE RESOURCES, INC. By: *Donald S. Jacobs* Pres.
 Its: GENERAL PARTNER
 Address 6480 BUSCH BLVD., SUITE 321
COLUMBUS, OH 43229
 Telephone (614) 885-1901

Subscribed and sworn before me this 10th day of August, 1995

MARY C. RICHARDS *Mary C. Richards* Notary Public
 Notary Public - State of Ohio
 My Commission Expires January 7, 1996