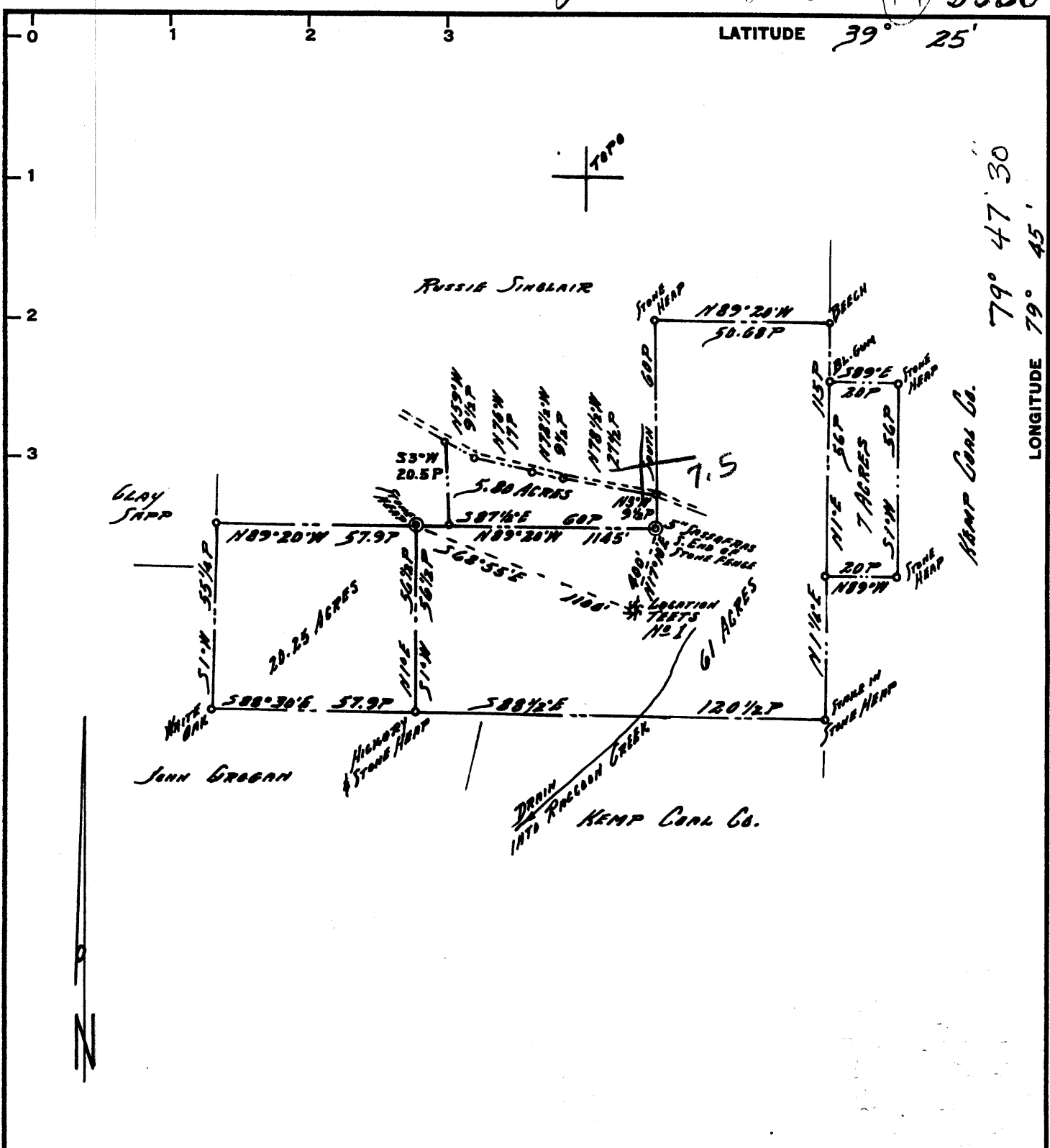


5300

LATITUDE 39° 25'



LONGITUDE 79° 45'

0000

Minimum Error of Closure $\frac{1}{2,000}$

Source of Elevation TOP OF KNOB = 1922 = 700'± N.W. OF LOCATION

- Fracture.....
- 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.

Signed: Paul H. Dean

Map No. Squares: N S E W

Compan: Clowser Well Service
 Rt. 3, Box 27A
 Address Salem, WVa. 26426-0027
 Farm L.R. TESTS

Tract 1,2,3,4 Acres 94.05± Lease No. _____
 Well (Farm) No. ONE Serial No. _____
 Elevation (Spirit Level) 1783
 Quadrangle Thornton / Newburg 7.5
 County PRESTON District LYON
 Engineer Paul H. Dean
 Engineer's Registration No. 1856
 File No. 136-9-9 Drawing No. 66-94
 Date OCT. 6, 1966 Scale 1" = 40P = 660'

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

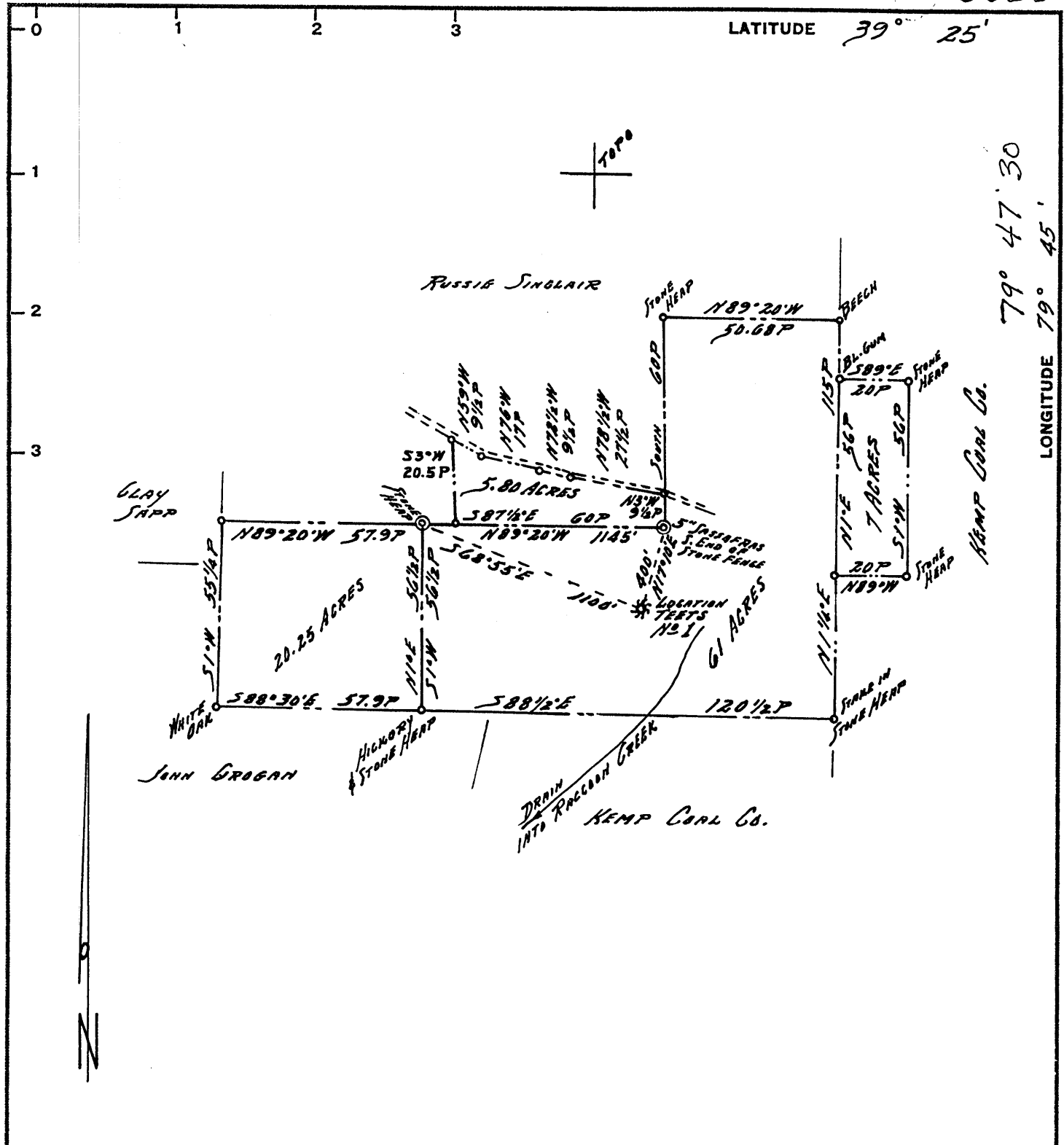
WELL LOCATION MAP

FILE NO. 077-0124-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. 47-077

PRES. 0124-P



Minimum Error of Closure $\frac{1}{2,000}$

Source of Elevation TOP OF KNOB = 1922 = 700' ± N.W. OF LOCATION

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment..... - 10/19/88

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: Paul H. Dean

Squares: N S E W

Company: Dickey Energy Corporation
Rt. 4, Box 296
Address: Grafton, WVa. 26354

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

Farm L.R. TEETS

Tract 1, 2, 3, 4 Acres 94.05 ± Lease No. _____

Well (Farm) No. ONE Serial No. _____

Elevation (Spirit Level) 1783

Quadrangle THORNTON / Newburg 7.5

County PRESTON District LYON

Engineer Paul H. Dean

Engineer's Registration No. 1856

File No. 136-9-9 Drawing No. 66-94

Date OCT. 6, 1966 Scale 1" = 40P = 660'

WELL LOCATION MAP

FILE NO. PRES-0124-P

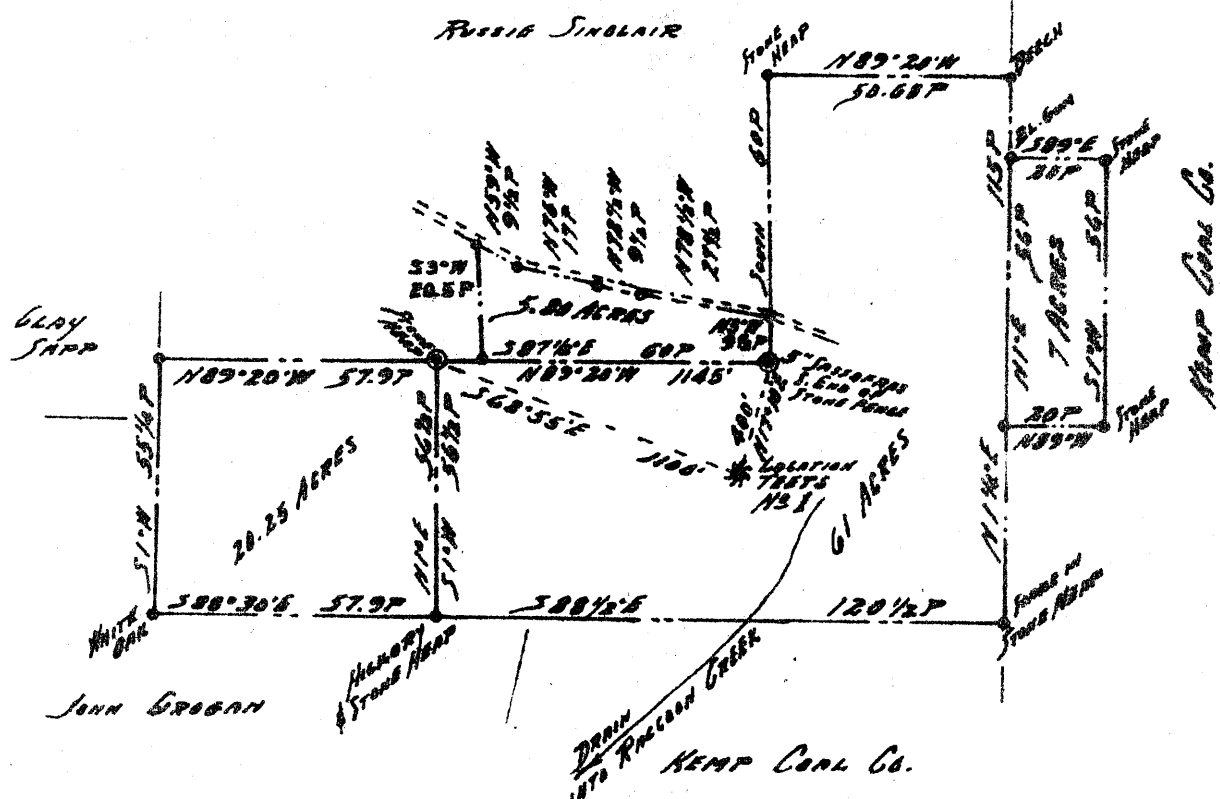
† Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

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

OCT 24 1966

47-077

1.156
3.296



Minimum Error of Closure $\frac{1}{2,000}$

Source of Elevation TOP OF KNOB = 1222 = 700' ± N.W. OF LOCATION

- Fracture
- 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.

Signed: Paul B. Dean

Map No. Squares: N S E W

Company JOHN T. WAGGONER
 Address 13207 AUTUMN LANE SILVER SPRING, MARYLAND
 Farm L.R. TBETS
 Tract 1, 2, 3, 4 Acres 94.25 ± Lease No. _____
 Well (Farm) No. ONE Serial No. _____
 Elevation (Spirit Level) 1783
 Quadrangle THORNTON EL
 County PRESTON District LYON
 Engineer Paul B. Dean
 Engineer's Registration No. 1856
 File No. 136-9-9 Drawing No. 66-94
 Date OCT. 6, 1966 Scale 1" = 40 P. = 660'

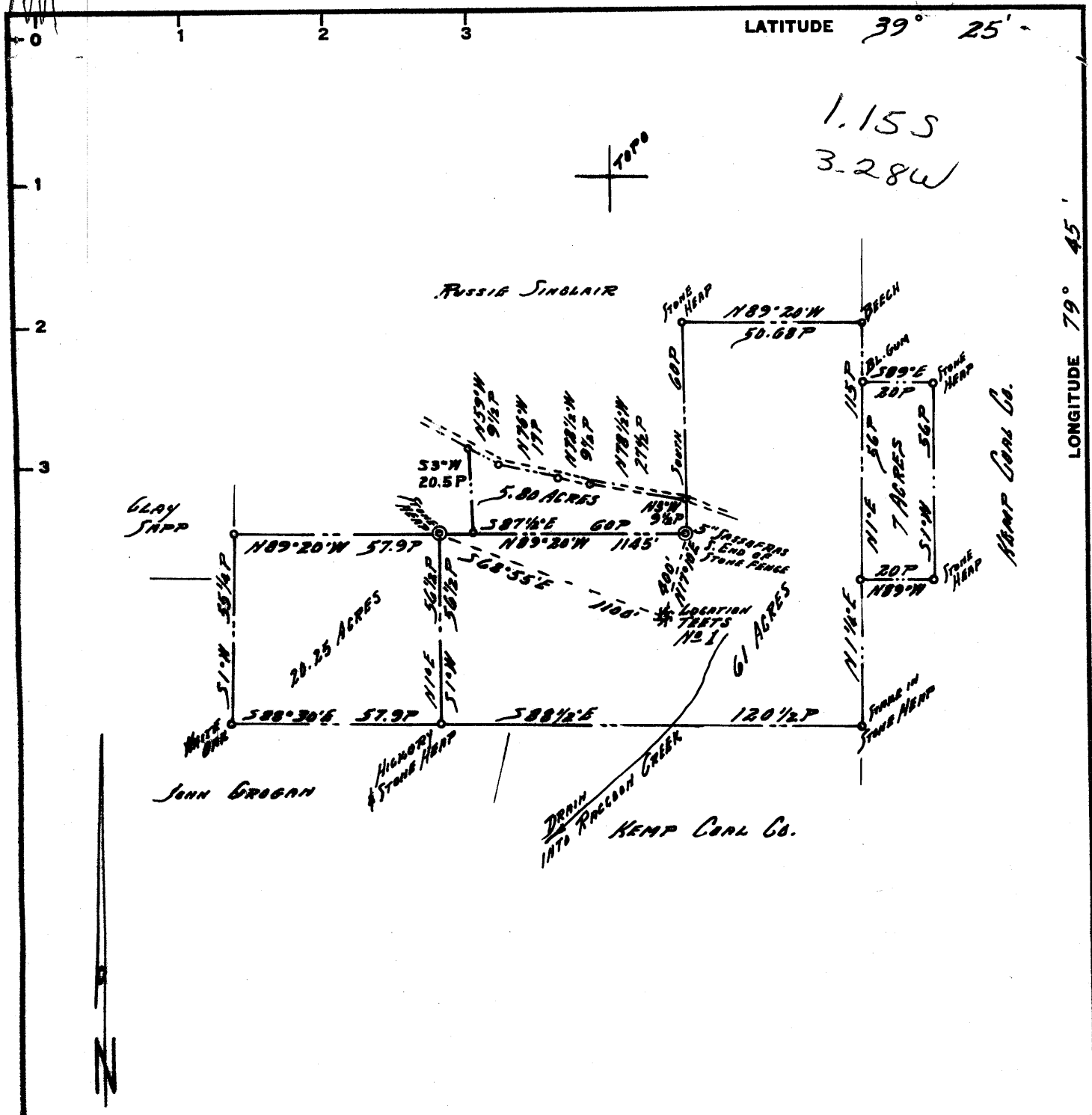
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP

FILE NO. TJ- PRES-0124-F

+ 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.



Minimum Error of Closure $\frac{1}{2,000}$
 Source of Elevation TOP OF KNOB = 1922 = 700' ± N.W. OF LOCATION

Fracture
 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.

Signed: Paul G. Dear

Map No. Squares: N S E W

Company JOHN T. WAGGONER
 Address 13207 AUTUMN LANE SILVER SPRING, MARYLAND
 Farm L.R. TESTS
 Tract 1, 2, 3, 4 Acres 94.05 ± Lease No. _____
 Well (Farm) No. ONE Serial No. _____
 Elevation (Spirit Level) 1783
 Quadrangle THORNTON - EC
 County PRESTON District LYON
 Engineer Paul G. Dear
 Engineer's Registration No. 1856
 File No. 136-9-9 Drawing No. 66-94
 Date OCT. 6, 1966 Scale 1" = 40 P = 660'

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

WELL LOCATION MAP

FILE NO. PRES-124

+ 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.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 18

Rotary
Spudder
Cable Tools
Storage

Quadrangle _____

Permit No. **PRES-124**

WELL RECORD

Oil or Gas Well **Gas**
(KIND)

Company **John T. Waggoner**
Address **13207 Autumn Lane, Silver Springs, Mr.**
Farm **L. R. Tests** Acres **24.05**

Location (waters) _____
Well No. **One** Elev. **1783'**
District **Lyon** County **Preston**

The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by **M. W. & J. L. Coal Co.**
Box 248, Tunnelton, W. Va.

Drilling commenced **November 9, 1966**
Drilling completed **December 6, 1966**
Date Shot _____ From _____ To _____

With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch

Volume **Show in Chert & Oriskany** Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.

WELL ACIDIZED (DETAILS) _____

WELL FRACTURED (DETAILS) **Oriskany Sand (1st) 4 7/8" Shots per foot, perforated 8446-8447, 5000 Gal. 28% Acid, 8000 Gal. 3% Acid, 130 BBS Flush**

RESULT AFTER TREATMENT (Initial open Flow or bbls.) **900,000 on Chert**

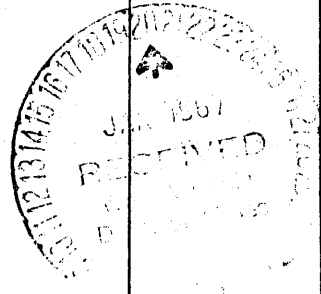
ROCK PRESSURE AFTER TREATMENT _____ HOURS
Fresh Water **570'** Feet _____ Salt Water _____ Feet _____

Producing Sand **ORISKANY** Depth _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13 3/8		138	190 Sks Cement
10			Size of
9 5/8		1509'	410 Sks Cement
6 5/8			Depth set
5 3/16			
4 1/2		8486'	
3			Perf. top
2 3/8		8319'	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Attach copy of cementing record.
CASING CEMENTED **1/2** SIZE **8486'** No. Ft. **11/24/66** Date
Amount of cement used (bags) **300**
Name of Service Co. _____
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
Surface Clay			0	20	Oriskany Sand (2nd) 8446-8447 Spot 48 BBS 15% Acid thru 2 3/8" Pump 192 BBS 15% Acid, 220 BBS 3% Acid, 130 BBS Flush. Perforated Chert @ 4 Shots @ 8274-8278 10 Shots @ 8295-8304 9 Shots @ 8311-8318 2 Shots 8328-8350 4 Shots 8340-8341 Pump 1000 Gal. 15% Acid 1200 BBS 3% Acid & 20,000# Sand		
Sand			20	35			
Sandy Lime & Shale			35	60			
Sand			60	105			
Shale			105	111			
Coal			111	113			
Shale			113	130			
Sandy Lime & Shale			130	185			
Line & Shale			185	217			
Coal			217	219			
Line & Shale			219	301			
Coal			301	306			
Line & Shale			306	360			
Sand			360	370			
Sandy Shale			370	404			
Coal			404	406			
Lime & Shale			406	465			
Coal			465	467			
Sand & Shale			467	568			
Coal			568	570			
Sand & Lime			570	790			
Red Rock			790	845			
Sandy Shale			845	915			
Red Rock			915	1030			



Formation	Color	Hard or Soft	Top 18	Bottom	Oil, Gas or Water	Depth Found	Remarks
✓ Lime & Shale			1030	1055			
✓ Red Rock & Shale			1055	1225			
✓ Sand			1225	1430			
✓ Shale			1430	1470			
✓ Sand			1470	1615			
✓ Sandy Shale			1615	1950			
✓ Shale			1950	2110			
✓ Red Rock			2110	2180			
✓ Shale & Lime			2180	2725			
✓ Shale & Sandy Lime			2725	3530			
✓ Lime			3530	3685			
✓ Shale & Lime			3685	4050			
✓ Shale			4050	4225			
✓ Shale & Lime			4225	5470			
✓ Lime (Broken & Rough)			5470	5715			
✓ Pink Lime			5715	5765			
✓ Red Lime			5765	5980			
✓ Shale & Lime			5980	6135			
✓ Shale			6135	7085			
✓ Lime & Shale			7085	7215			
✓ Lime			7215	7590			
✓ Shale			7590	7800			
✓ Tulley Lime			7800	7855			
✓ Shale & Lime			7855	8055	8170	8436	
✓ Shale			8055	8170	1783	1783	
✓ Lime Onedoga			8170	8190			
✓ Shale			8190	8196			
✓ Chert	HUNTERS VILLE		8196	8409	6387	6653	
✓ Sand	ORISKANY		8409	8486			

475

Date Jan 14, 1910
 APPROVED John L. Haggan, Owner
 By John L. Haggan
 (Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner Louise R. Teets
Address Arundale W. Va
Mineral Owner Louise R. Teets
Address Arundale W. Va
Coal Owner Louise Teets
Address Arundale W. Va
Coal Operator None
Address _____

DATE April 7 1980
Company John T. Waggoner
Address 13207 Autumn Dr Silver Spring, MD
Farm L. R. Teets Acres 94
Location (waters) Garrett Creek
Well No. Teets # 1 Elevation 1783
District Liver County Preston
Quadrangle Thorton

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 fracturing. This permit shall expire if operations have not commenced by 12-7-80.

[Signature]
Deputy Director - Oil & Gas Division

INSPECTOR
TO BE NOTIFIED William Blossor
ADDRESS Colfax W.V.
PHONE 363-9105

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 Sept 26 1965 by L.R. Teets made to John T. Waggoner and recorded on the 25th day of Feb. 1971 in Preston County, Book 32- Page 93

_____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) John T. Waggoner
Well Operator

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND
ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address of Well Operator
13207 Autumn Drive Street
Silver Spring City or Town
Maryland 20904 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.

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12b and will carry out the specified requirements."
Signed by John T. Waggoner

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

PROPOSED WORK ORDER TO: _____ DRILL _____ DEEPEN FRACTURE-STIMULATE

DRILLING CONTRACTOR: (If Known)

RESPONSIBLE AGENT:

NAME Talley Well Service.

NAME Mark Skumarac.

ADDRESS _____

ADDRESS Clarksburg, W.V.

TELEPHONE _____

TELEPHONE 304-624-6429

ESTIMATED DEPTH OF COMPLETED WELL: 8486.

ROTARY _____ CABLE TOOLS

PROPOSED GEOLOGICAL FORMATION: State - Oriskany

TYPE OF WELL: OIL _____ GAS COMB. _____ STORAGE _____ DISPOSAL _____
RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WELL	CEMENT LIFT UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8	<u>No Change.</u>		
8 - 5/8			
7			
5 1/2			
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 570 FEET _____ SALT WATER _____ FEET

APPROXIMATE COAL DEPTHS 111-113

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