

*James
7/21/98.*

← 6,010' →

Latitude 38° 45'

38° 42' 00"

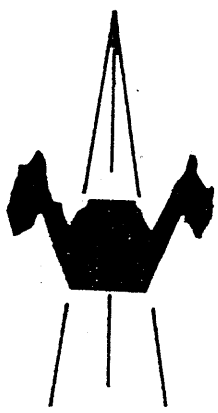
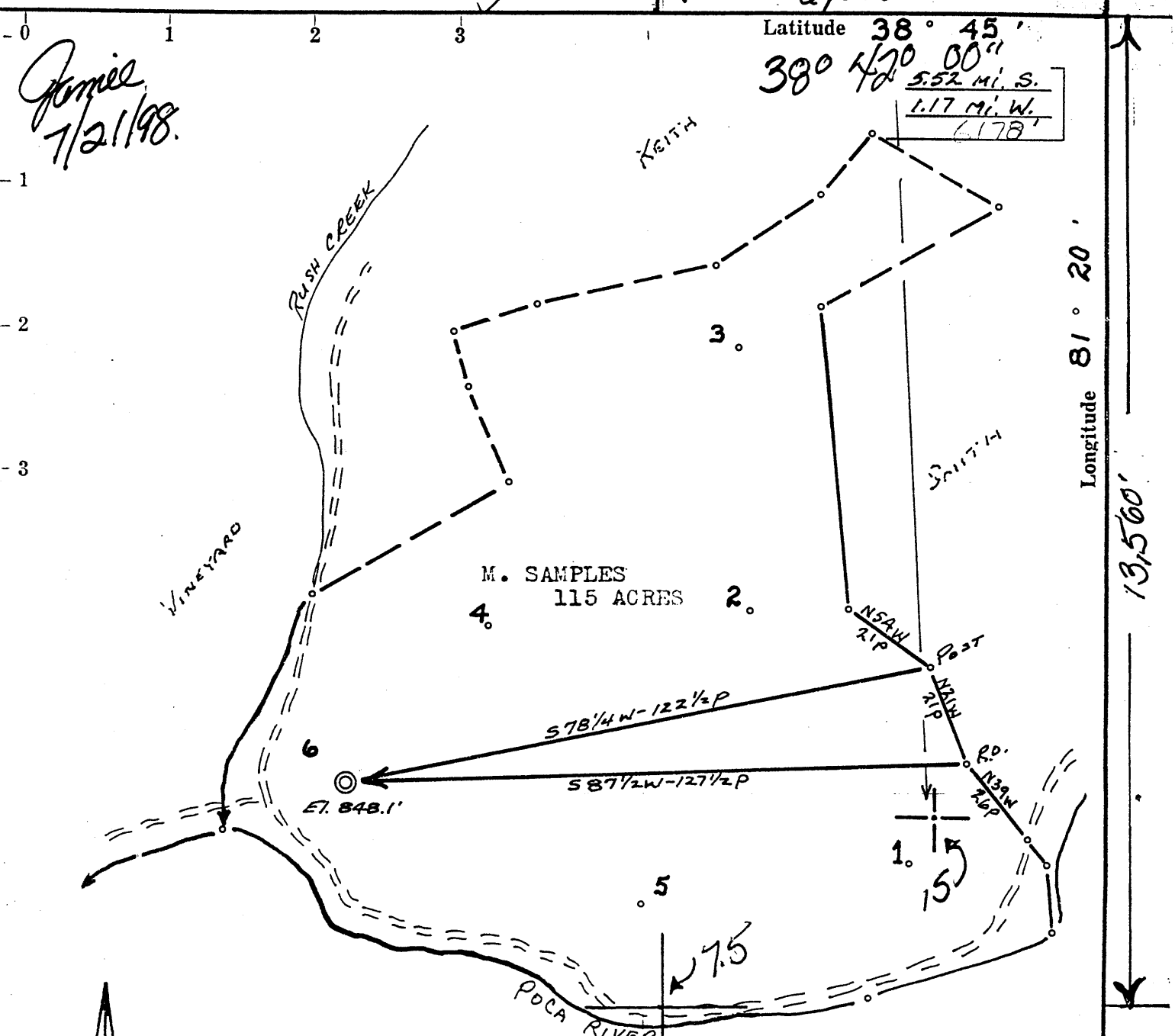
5.52 Mi. S.

1.17 Mi. W.

6178'

Longitude 81° 20'

13,560'



*Well operator for Plugging
applied mechanics
Rt. Box 41-5
Bridgeport, W. Va. Plugging*

2.55
1.13

ACCURACY: 1p / 200p

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

Source of Elevation HAMMACK (733')

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

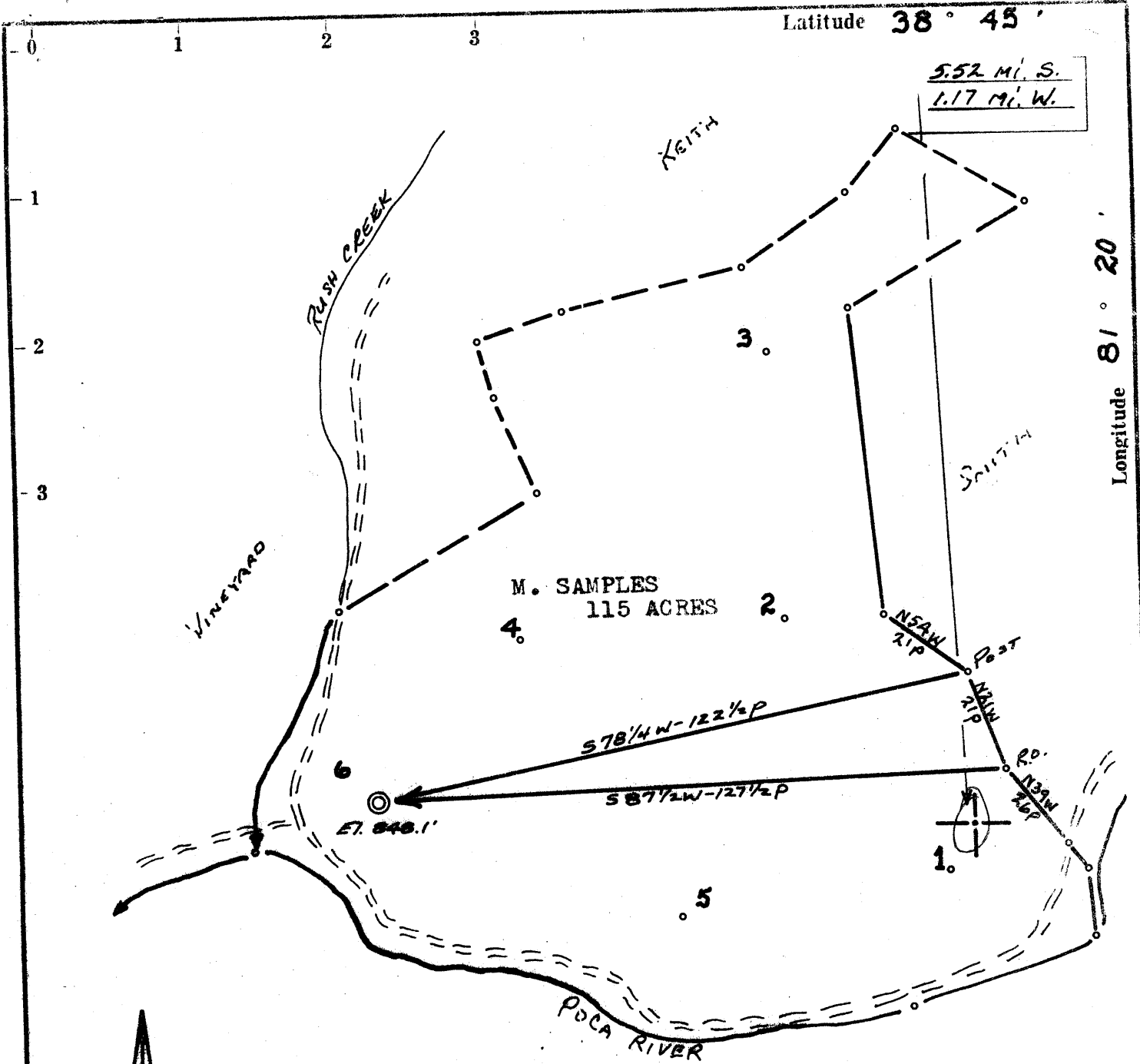
| | |
|-----------------------------|---------------------------------|
| Company | JOSEPH S. GRUSS |
| Address | SPENCER, W. VA. |
| Farm | M. SAMPLES |
| Tract | Acres 115 Lease No. |
| Well (Farm) No. | 6 Serial No. |
| Elevation (Spirit Level) | 848.1' |
| Quadrangle | WALTON 15 <i>Looneyville 75</i> |
| County | ROANE District SMITHFIELD |
| Engineer | CHET WATERMAN |
| Engineer's Registration No. | 3788 |
| File No. | 66003-182 Drawing No. |
| Date | 9/21/66 Scale 1" = 30p |

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

WELL LOCATION MAP

*Old Well No. 47-087-01494-P
Well was drilled in 1966 TD: 2237'
Plugged back in 1967 to 1935'
applied mechanics plugging
Permanent.*

ROA 1494 P



Latitude 38° 45'

5.52 Mi. S.
1.17 Mi. W.

Longitude 81° 20'

VINEYARD

RUSH CREEK

HEITA

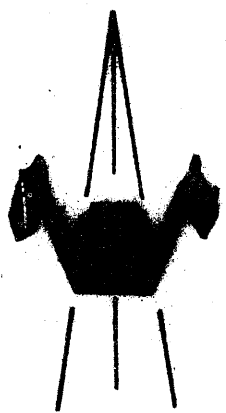
SMITH

M. SAMPLES
115 ACRES

578 1/4 W - 122 1/2 P

587 1/2 W - 127 1/2 P

El. 848.1'



ACCURACY: 1p / 200p

Source of Elevation HAMMACK (733')

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Chet Waterman

| | | |
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| Company | JOSEPH S. GRUSS | |
| Address | SPENCER, W. VA. | |
| Farm | M. SAMPLES | |
| Tract | Acres 115 | Lease No. |
| Well (Farm) No. | 6 | Serial No. |
| Elevation (Spirit Level) | 848.1' | |
| Quadrangle | WALTON - NC | |
| County | ROANE | District SMITHFIELD |
| Engineer | CHET WATERMAN | |
| Engineer's Registration No. | 3788 | |
| File No. | 66003-182 | Drawing No. |
| Date | 9/21/66 | Scale 1" = 30p |

CO: 087 PMT: 1494
 Loc Digitized from OGIS 7.5' Mylar
 QUAD: 444 DATE: 4-JUN-90
 LAT: 38 42.5 Miles South: 2.56
 LONG: 81 20.0 Miles West: 1.14

WELL LOCATION MAP
 FILE NO. ROA - 1494

+ 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.

6-0-70



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle Walton

Permit No. RDA-1494

WELL RECORD

Oil or Gas Well Oil
(KIND)

Company Joseph S. Gruss
Address 30 Broad St. N.Y., N.Y.
Farm M. Samples Acres 115
Location (waters) Poco
Well No. 6 Elev. 848
District Smithfield County Roane
The surface of tract is owned in fee by M. Samples
Address Clendenin, W. Va.
Mineral rights are owned by M. Samples
Address Clendenin, W. Va.
Drilling commenced 9-30-66
Drilling completed 10-4-66
Date Shot From To
With

| Casing and Tubing | Used in Drilling | Left in Well | Packers |
|-------------------|------------------|--------------|----------------|
| Size | | | Kind of Packer |
| 16 | | | |
| 13 | | | |
| 10 | | | Size of |
| 8 1/4 | 162 | 162 | |
| 6 3/4 | | | Depth set |
| 5 3/16 | | | |
| 4 1/2 | | | |
| 3 | | | Perf. top |
| 2 | | | Perf. bottom |
| Liners Used | | | Perf. top |
| | | | Perf. bottom |

Open Flow /10ths Water in. Inch
/10ths Merc. in. Inch
Volume Cu. Ft.
Rock Pressure lbs. hrs.
Oil Show 15 BBls bbls., 1st 24 hrs.

Attach copy of cementing record.
CASING CEMENTED 4 1/2 SIZE 2100 No. Ft. 10-4-66 Date
Amount of cement used (bags) 100
Name of Service Co. Hawco
COAL WAS ENCOUNTERED AT FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

WELL FRACTURED (DETAILS) 30,000 #20/40 sand and 30,000 gallons gelled fresh water.

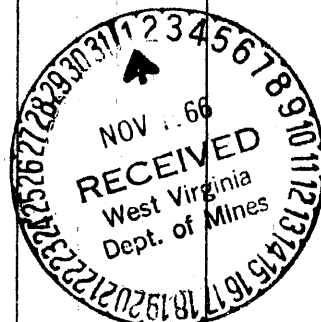
RESULT AFTER TREATMENT (Initial open Flow or bbls.) 15 BBls

ROCK PRESSURE AFTER TREATMENT HOURS

Fresh Water Feet Salt Water Feet

Producing Sand Big Injun Depth 2024-2033, 2036-2040, 2051-2051, 2053

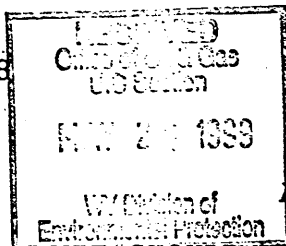
| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth | Remarks |
|-----------------|-------|--------------|------|--------|-------------------|-------|---------|
| Surface | | | 0 | 34 | | | |
| sand rock | | | 34 | 149 | | | |
| rock with shale | | | 149 | 176 | | | |
| red cave | | | 176 | 652 | | | |
| red rock shale | | | 652 | 933 | | | |
| rock shale | | | 933 | 1260 | | | |
| shale | | | 1250 | 1433 | | | |
| shale | | | 1433 | 1627 | | | |
| shale & sand | | | 1627 | 1762 | | | |
| sand | | | 1762 | 1814 | | | |
| sand | | | 1814 | 1942 | | | |
| sand ← 37. | | | 1942 | 1994 | | | |
| sand lime | | | 1994 | 2032 | | | |
| sand | | | 2032 | 2112 | | | |
| sand lime | | | 2112 | 2214 | | | |
| lime & shale | | | 2214 | 2237 | | | |



INTUN?

WR-38
22-Jul-98

API # 47- 87-01494-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: PHILLIPS, GARY Operator Well No.: SAMPLES #6

LOCATION: Elevation: 848.00 Quadrangle: LOONEYVILLE
District: SMITHFIELD County: ROANE
Latitude: 13560 Feet South of 38 Deg. 42 Min. 0 Sec.
Longitude 6010 Feet West of 81 Deg. 20 Min. 0 Sec.

Well Type: OIL GAS

Company: Applied Mechanics Corp
Rt 1 Box 41-J
BRIDGEPORT, WV

Coal Operator or Owner NONE of Record

Agent: CHARLES L. STOUT

Coal Operator or Owner NONE of Record

Permit Issued: 07/22/98

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Harrison ss:

ED HIVELY and CHARLES STOUT 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 Oil and Gas Inspector representing the Director, say that said work was commenced on the 2ND day of July, 1998, and that the well was plugged and filled in the following manner:

| TYPE | FROM | TO | PIPE REMOVED | LEFT |
|-----------------|------|------|--------------|---------|
| CEMENT 30 Sacks | 1840 | 1500 | | |
| GEL | 1500 | 1000 | | |
| Cement 10 Sacks | 1000 | 900 | | |
| GEL | 900 | 430 | 430' 4 1/2" | |
| Cement 28 Sacks | 430 | 330 | | |
| GEL | 330 | 260 | | |
| Cement 28 Sacks | 260 | 160 | | |
| GEL | 160 | 50 | | |
| Cement 18 Sacks | 50 | 0 | | 5/28/99 |

Description of monument: 4 1/2" 5' STICKOUT ALUM PLATE Stamped and that the work of plugging and filling said well was completed on the 15th day of July, 1998.

And further deponents saith not.

Sworn and subscribe before me this 20 day of May, 1999

My commission expires: June 24 2002
NOTARY PUBLIC
STATE OF WEST VIRGINIA
ROBIN L. GANDEE
3526 CHARLESTON RD. Oil and Gas Inspector:
SPENCER, WV 25276
My Commission Expires June 24, 2002

Robin L. Gande
Notary Public

John H. Dougherty
Jane Smith JUN 01 1999

ROA 1494-P