

ACCURACY: 1p/200p

Source of Elevation U.S.B.M. @ SHERMAN (591)

- New Location
- Drill Deeper
- Abandonment - 6-14-74
- Fracture
- Redrill

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 Ros Oil & Gas Co. Ripley, W. Va.

Address ~~XXXXXXXXXX~~

Farm HARRY ROLIFF

Tract _____ Acres 79 Lease No. _____

Well (Farm) No. 1 Serial No. _____

Elevation (Spirit Level) 573'

Quadrangle RAVENSWOOD NE

County JACKSON District RAVENSWOOD

Engineer CHET WATERMAN

Engineer's Registration No. 3788

File No. 69003-75 Drawing No. _____

Date 3/25/69 Scale 1" = 300'

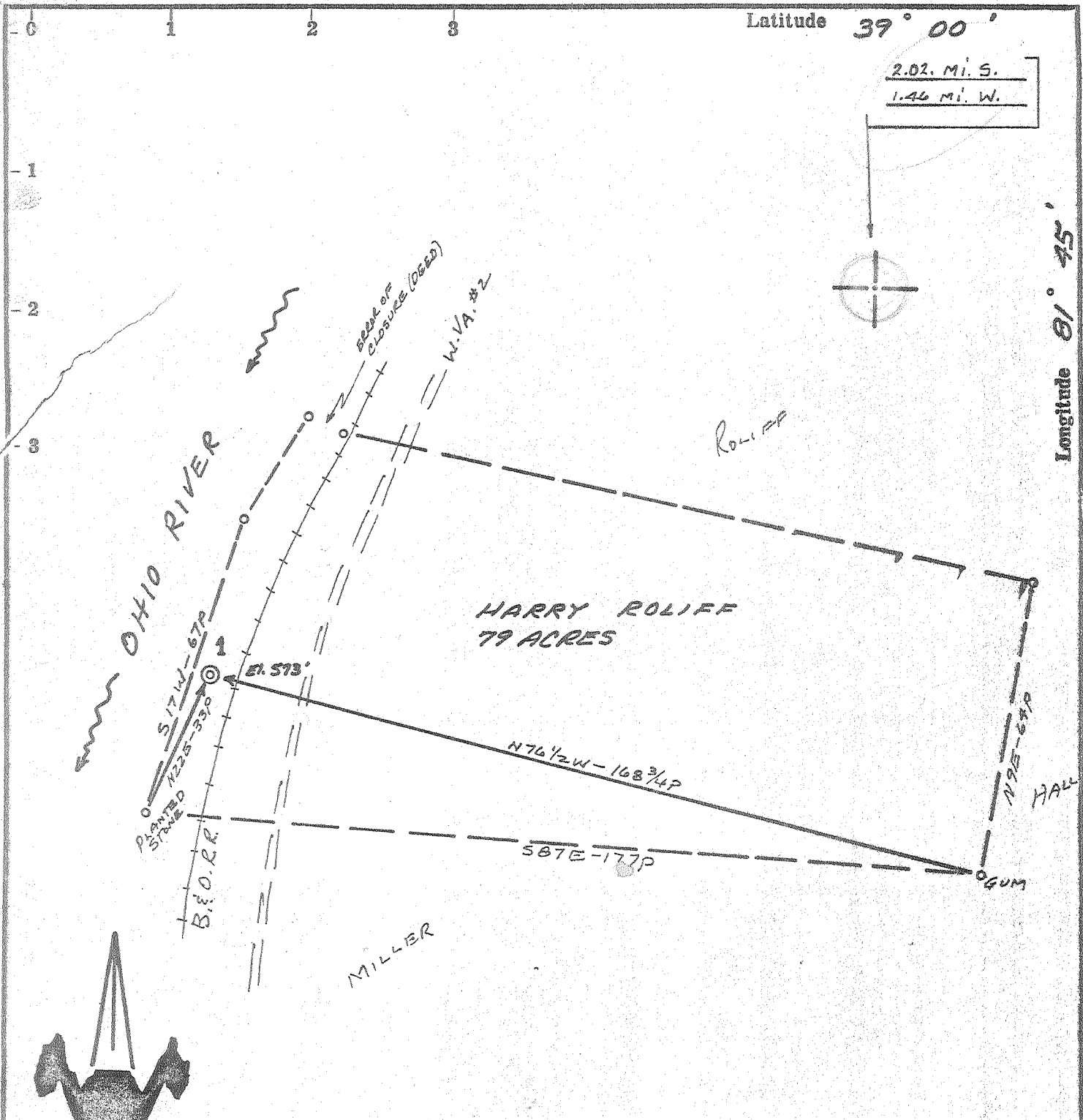
STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON

WELL LOCATION MAP
FILE NO. JAC-1174-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.

Deep Well



2.02 Mi. S.
1.46 Mi. W.

ACCURACY: 1p1200p

Source of Elevation U.S.D.M. @ SHERMAN (573)

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

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 HUNTING OIL CO., INC.
 Address 14701 DETROIT AVE. LAKWOOD, OHIO 44107
 Farm HARRY ROLIFF
 Tract Acres 79 Lease No.
 Well (Farm) No. 1 Serial No.
 Elevation (Spirit Level) 573'
 Quadrangle RAVENSWOOD NE
 County JACKSON District RAVENSWOOD
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788
 File No. 69003-75 Drawing No.
 Date 3/25/69 Scale 1" = 300'

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

WELL LOCATION MAP
 FILE NO. JAC-1174

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



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

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle Ravenswood
Permit No. JAC-1174

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company Hunting Oil Company, Inc.
Address 14701 Detroit Ave., Lakewood, Ohio
Farm Harry Roliff Acres
Location (waters) 10,666' S & 7,709' W.
Well No. #1-A Elev. 573 G.L.
District Ravenswood County Jackson 575 D.F.
The surface of tract is owned in fee by H. Roliff
Address Ravenswood, W. Va.
Mineral rights are owned by H. Roliff, T. Cogar, W.
Factor, E. Kidder Address Ravenswood, W. Va.
Drilling commenced 4-15-69
Drilling completed 8-27-69
Date Shot From To 8-27-69

| Casing and Tubing | Used in Drilling | Left in Well | Packers |
|-------------------|------------------|--------------|----------------------------|
| Size | | | |
| 18" | 79' | 79' | Kind of Packer <u>None</u> |
| 13 3/8" | 354.08' | 354' | Size of |
| 10 3/4" | 900.83' | --- | Depth set |
| 8 1/2 5/8" | 1383.5' | 1383.5' | |
| 6 5/8 7" | 4151.16' | 4151.16' | |
| 5 1/2 1 1/2" | 4972.17' | 4972.17' | |
| 4 1/2 | | | Perf. top <u>None</u> |
| 3 | 4880' | 4880' | Perf. bottom |
| 2 | | | Perf. top |
| Liners Used | None | | Perf. bottom |

Attach copy of cementing record. fillup
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume Cu. Ft.
Rock Pressure 1650 lbs. 48 hrs.
Oil bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS)
WELL FRACTURED (DETAILS) Fraced with Dowell, 1142 barrels fresh (gelled) water & 30,000 # 20/40 sand.
RESULT AFTER TREATMENT (Initial open Flow or bbls.) 14300 MCFPD 14,300.00
ROCK PRESSURE AFTER TREATMENT 1650 psi 48 HOURS
Fresh Water 75' Feet 342' Salt Water 1962' Feet
Producing Sand Williamsport Depth 4882' - 4889'

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth | Remarks |
|--------------|----------------|-------------------|---------|--------|-------------------|-------|----------------|
| Permian | | | Surface | 79' | Water | 75' | |
| Pennsylvania | | Cyclothems | 79' | 1430' | Water | 342' | |
| Maxville | | Limestone | 1430' | 1473' | | | |
| Logan | | Sandstone & Shale | 1473' | 1945' | | | |
| Sunbury | | Shale | 1945' | 1962' | | | |
| Berea | | Sandstone | 1962' | 1965' | Salt Water | 1962' | |
| Bedford | | Shale | 1965' | 2207' | | | |
| Ohio | | Shale | 2207' | 4107' | | | |
| Onondaga-463 | | Limestone | 4107' | 4194' | | | |
| Oriskany | | Sandstone | 4194' | 4205' | Gas | | Show |
| Helderberg | | | 4205' | 4396' | | | |
| Salina | | | 4396' | 4882' | | | |
| Williamsport | <u>Newburg</u> | | 4882' | 4889' | Gas | | 6 MMCFPD (nat) |

Data Base Top and Bottom Pay in Newburg determined from P1 Card.

535

MAY - 1970