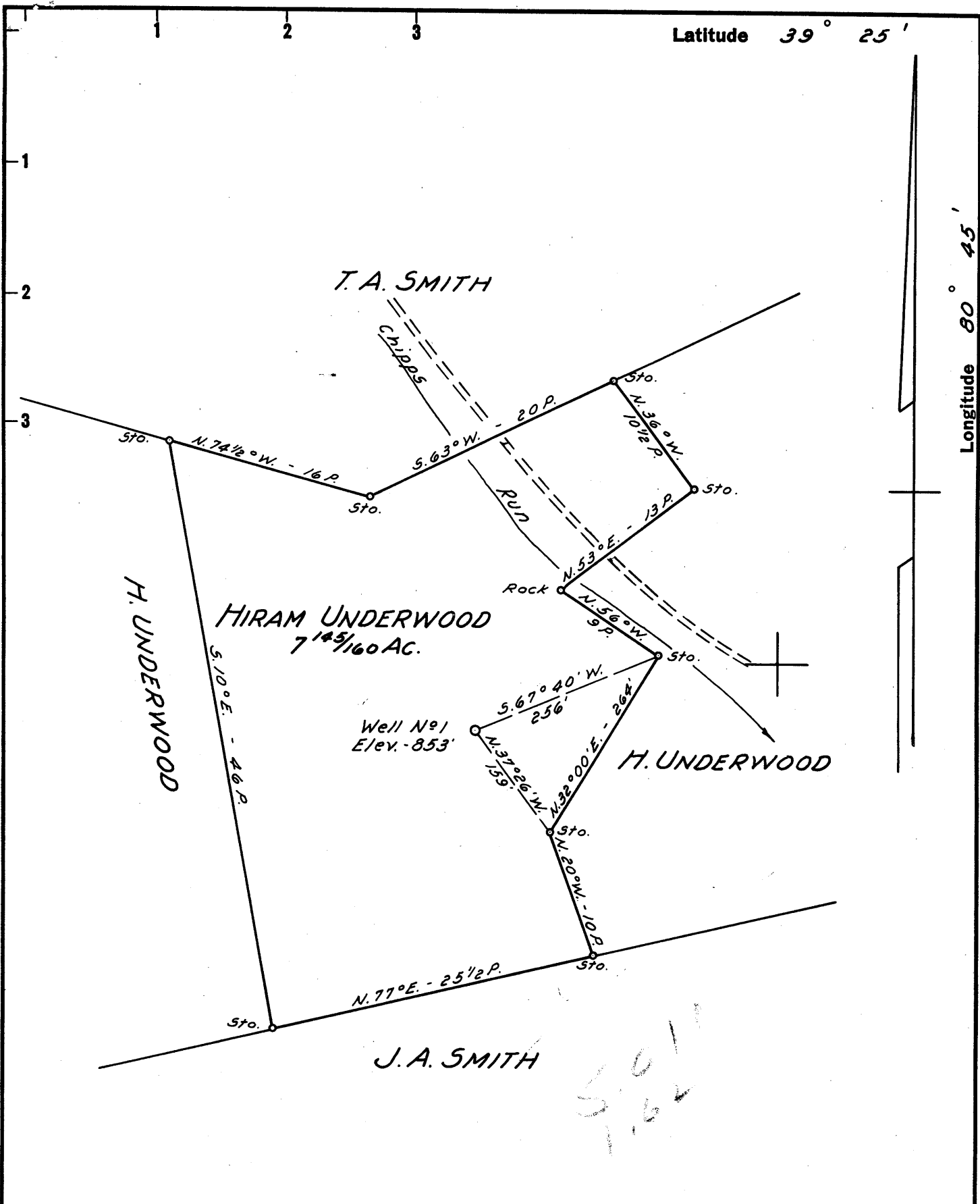


Latitude 39° 25'

Longitude 80° 45'



New Location
 Drill Deeper NOTE:
 Abandonment Hiram UNDERWOOD OWNS IN Fee.

Corrected

Company R.C. BATCHELOR
 Address BOX-116 WEST UNION, W. VA
 Farm HIRAM UNDERWOOD
 Tract _____ Acres 7 145/160 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 853'
 Quadrangle WEST UNION EC
 County DODDRIDGE District WEST UNION
 Engineer JOHN W. HAMILTON
 Engineer's Registration No. 2274
 File No. _____ Drawing No. _____
 Date JULY 4, 1960 Scale 1" = 10 POLES

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

WELL LOCATION MAP
 FILE NO. DOD-420
plugged 11/10/1964

+ 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.

56



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle West Union

Permit No. 420

WELL RECORD

Oil or Gas Well Gas? (KIND)

Company R. C. Bachelor
 Address Box 116, West Union
 Farm H. Underwood Acres 7 145/160
 Location (waters) Wolf Pen Run
 Well No. 1 Elev. 853'
 District West Union County Doddridge
 The surface of tract is owned in fee by H. Underwood
 Address West Union
 Mineral rights are owned by Same
 Address _____
 Drilling commenced 7/14/60
 Drilling completed 10/25/60
 Date Shot _____ From _____ To _____
 With _____
 Open Flow _____ /10ths Water in _____ Inch
 _____ /10ths Merc. in _____ Inch
 Volume Show _____ Cu. Ft.
 Rock Pressure Not taken lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 WELL ACIDIZED _____

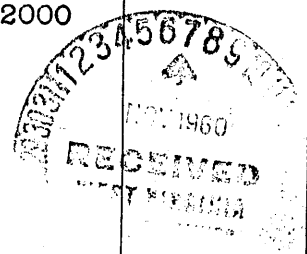
| Casing and Tubing | Used in Drilling | Left in Well | Packers |
|-------------------|------------------|--------------|--------------------|
| Size | | | Kind of Packer |
| 16 | | | |
| 13 | | | Size of |
| 10 | | | |
| 8 1/4 | | | Depth set |
| 7" 720' | 720' | 720' | Perf. top 1895' |
| 5 1/2" 1997' | | 1997' | Perf. bottom 1965' |
| 3 | | | Perf. top |
| 2 | | | Perf. bottom |
| Liners Used | | | |

CASING CEMENTED 5 1/2" SIZE 2000 No. Ft. 10/26/60 Date
20 sax cement & 8 sax aquagel - Geraton
 COAL WAS ENCOUNTERED AT 500 FEET 60 INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

WELL FRACTURED 400 bbls water & 20,000# sand

RESULT AFTER TREATMENT Not taken
 ROCK PRESSURE AFTER TREATMENT _____
 Fresh Water _____ Feet Salt Water _____ Feet

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth | Remarks |
|--------------------|-------|--------------|------|--------|-------------------|-------|---------|
| Soil, Sand & Shale | | | 0 | 498 | | | |
| Pittsburgh Coal | | | 498 | 503 | | | |
| Sand & Shale | | | 503 | 1250 | | | |
| Sand | | | 1250 | 1290 | | | |
| Shale | | | 1290 | 1294 | | | |
| Sand & Shaly Sand | | | 1294 | 1430 | | | |
| Shale | | | 1430 | 1464 | | | |
| Sand | | | 1464 | 1566 | | | |
| Shale | | | 1566 | 1598 | | | |
| Sand | | | 1598 | 1628 | | | |
| Shale | | | 1628 | 1698 | | | |
| Lime | | | 1698 | 1709 | | | |
| Shale & Lime | | | 1709 | 1776 | | | |
| Big Lime | | | 1776 | 1858 | | | |
| Big Injun | | | 1858 | 1970 | | | |
| Shale | | | 1970 | 2000 | | | |
| Total Depth | | | | 2000 | | | |



Logged:
Gamma Ray -
Gamma Gamma
(Schlumberger)