



Minimum Error of Closure Lin 200

Source of Elevation B.M. Buckingham - 1433

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.

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

Signed: Matthew J. [Signature]
 Squares: N S E W

Map No.

Company SCOTT DRILLING CO., INC.
 Address Salem, West Va.
 Farm James R. Crumrine
 Tract _____ Acres 100 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 1527
 Quadrangle Suga NW
 County Upshur District Union
 Engineer Matthew J. [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date Feb 27, 1969 Scale 1" = 200' = 330'

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

WELL LOCATION MAP
 FILE NO. UPS - 1158

+ 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 7

Rotary
Spudder
Cable Tools
Storage

Quadrangle Sago
Permit No. UPS- 1158

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company Scott Drilling Co., Inc.
Address Salem, West Virginia
Farm James R. Crumrine Acres 100
Location (waters) Sand run
Well No. S-112 Elev. 1527
District Union County Upshur
The surface of tract is owned in fee by James R. Crumrine
Address Buckhannon, W. Va.
Mineral rights are owned by Same as above
Address _____
Drilling commenced 3-19-69
Drilling completed 3-26-69
Date Shot _____ From _____ To _____
With _____

| Casing and Tubing | Used in Drilling | Left in Well | Packers |
|-------------------|------------------|--------------|--------------------------|
| Size | | | Kind of Packer |
| 16 | | | |
| 13 | | | Size of |
| 10 | | | Depth set |
| 8 1/4 | 650 | 650 | |
| 6 5/8 | | | |
| 5 3/16 | | | Perf. top <u>3989</u> |
| 4 1/2 | 4111 | 4111 | Perf. bottom <u>3991</u> |
| 3 | | | Perf. top _____ |
| 2 | | | Perf. bottom _____ |
| Liners Used | | | |

Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume Show _____ Cu. Ft.
Rock Pressure 1460 lbs. 16 hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) _____

Attach copy of cementing record.
CASING CEMENTED 4 1/2 SIZE 4132 No. Ft. 3-26-69 Date
Amount of cement used (bags) 90
Name of Service Co. Lawson Cement Co.
COAL WAS ENCOUNTERED AT 360 FEET _____ INCHES
450 FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

WELL FRACTURED (DETAILS) 50,000 lbs sand, 1200 bbls. water

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 696,000 cu. ft. 696 Mcf
ROCK PRESSURE AFTER TREATMENT 1460 HOURS 16
Fresh Water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Benson Depth 3983- 4020

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth | Remarks |
|--------------|-------|--------------|------|--------|-------------------|-------|---------|
| Shale | | | 0 | 20 | | | |
| Sand | | | 20 | 130 | | | |
| Sand & shale | | | 130 | 280 | | | |
| Shale | | | 280 | 290 | | | |
| Sandy shale | | | 290 | 300 | | | |
| Sand | | | 300 | 355 | | | |
| Shale | | | 355 | 369 | | | |
| Coal | | | 360 | 364 | | | |
| Shale | | | 364 | 450 | | | |
| Coal | | | 450 | 455 | | | |
| Sand | | | 455 | 460 | | | |
| Shale | | | 460 | 650 | | | |
| Sand | | | 650 | 720 | | | |
| Shale | | | 720 | 845 | | | |
| Sand & shale | | | 845 | 935 | | | |
| Shale | | | 935 | 985 | | | |
| Sand | | | 985 | 1095 | | | |
| Shale | | | 1095 | 1125 | | | |
| Red rock | | | 1125 | 1150 | | | |
| Shale | | | 1150 | 1190 | | | |
| Red rock | | | 1190 | 1215 | | | |
| Sand | | | 1215 | 1270 | | | |
| Red rock | | | 1270 | 1315 | | | |
| Shale | | | 1315 | 1382 | | | |
| Lime | | | 1382 | 1500 | | | |
| Red rock | | | 1500 | 1555 | | | |
| Sand | | | 1555 | 1610 | | | |
| Shale | | | 1610 | 1640 | | | |
| White sand | | | 1640 | 1750 | | | |



| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|----------------------------|-------|--------------|------|--------|-------------------|-------------|---------|
| Shale | | | 1750 | 1775 | | | |
| Sandy shale | | | 1775 | 1795 | | | |
| Green sand | | | 1795 | 1840 | | | |
| Shale & Red rock | | | 1840 | 1985 | | | |
| Sand | | | 1985 | 2080 | | | |
| Red rock | | | 2080 | 2125 | | | |
| Shale & sand | | | 2125 | 2165 | | | |
| Fifth sand | | | 2165 | 2190 | | | |
| Shale | | | 2190 | 2365 | | | |
| Sand | | | 2365 | 2415 | | | |
| Sandy shale | | | 2415 | 2490 | | | |
| Shale | | | 2490 | 3105 | | | |
| Sandy shale | | | 3105 | 3615 | | | |
| Bank Sand Riley | | | 3615 | 3650 | | | |
| Sand & shale | | | 3650 | 3983 | | | |
| Benson | | | 3983 | 4020 | | | |
| Shale | | | 4020 | 4146 | | | |
| T. D. | | | | 4146 | | | |

Date April 24, 19 69
 APPROVED Jaymie J. Scatt, Owner
 By President
 (Title)