



*Cross Creek*  
..... District, Brooke County, W. Va.  
Hope Natural Gas Co. (purchased from Geuche Oil Co.)  
Originally drilled to depth of 1512'.  
Commenced deepening Nov. 1, 1913 and completed Jan. 5, 1914.  
Conductor, 16'; 6 1/2" casing, 915'; 2" tubing, 1525'.

	Top.	Bottom.
Salt Sand (water, 780'; gas, 770')	770	875
Big Injun Sand	915	1150
Berea Sand (gas, 1503')	1500	1528
Slate and shells	1528	1675
100-Ft. Sand (gas)	1675	1685
Slate and shells	1685	1943
Stray Sand	1943	1954
Slate and shells, to bottom	1954	2200

Packer record: 6 1/2" Mackburg, depth set, 1432'.  
2" tubing pulled (1525' and 1613' 8" run back in well after  
repairs: 4" casing put in well, 1611'.

Shot Nov. 4, 1913, with 30 qts., 1502-10' (Berea). Test before  
shot, 2/10 W in 1". Test after shot, 2/10 W. in 2", 24 hrs. after shot.  
R. P. 90 lbs.

Packer record: 6 1/2" Anchor; 144' anchor, 1467'. above anchor;  
6 1/2" Bend bag; 1464' anchor; 1147' above anchor.

ID: COUNTY: ( 009 ) PERMIT: 70044 SUFFIX: ~~Ø~~ REASSIGNED COUNTY/PERMIT #:

COMPLETION INFO: ELEVATION: ELEVATION TYPE: COMP FLAG: LOCATION INFO: TAX DISTRICT: ( ) *Cross Case*

CLASSIFICATION: DATES: MM/DD /YYYY RIG TYPE: 7.5' LATITUDE (DDMM.M Miles South)

INITIAL: SPUD: 7 7 WELL TYPE: LONGITUDE (DDMM.M Miles West)

FINAL: COMP: / / COMPI METH: QUADRANGLE: ( )

FIELD: ( ) BATCH: / / YEAR RPTD: ++++++

OPEN GAS-BEFORE TREATMENT (MGFPD): OIL-BEFORE TREATMENT (BOPD): 15' LATITUDE (DDMM Miles South)

FLOW: GAS-AFTER TREATMENT (MGFPD): OIL-AFTER TREATMENT (BOPD): LONGITUDE (DDMM Miles West)

ROCK NATURAL (PSI): TIME (NATURAL, IN HOURS): QUADRANGLE: ( )

PRESSURE: TREATED (PSI): TIME (TREATED, IN HOURS): 5' SECTION: ( )

DEPTHS: TOTAL FOOTAGE: 1512 NEW FOOTAGE: 1512 EXPLORATORY FOOTAGE:

DEEPEST FORMATION: AT TOTAL DEPTH: ( ) DEEPEST FORMATION TESTED: ( )

OWNERS: INFO: STATUS: ( C ) DATE: (MM/DD/YYYY): / / SURFACE OWNER: P T Freshwater

OPERATOR CODE: ( ) -NAME: Hope Natural Gas COMPANY NUMBER: ( 1765 )

OGWATER (INCLUDE QUALITY, DEPTH, QUANTITY) if available:

PAYS INFO: ACTIVITY PRODUCT TOP FORMATION TOP DEPTH BOTTOM DEPTH BOTTOM FORMATION BEFORE AFTER

STRAT INFO: FORMATION FM Q DEPTH (depth for Thick) DEPTH QUALITY THICKNESS THICKNESS QUALITY ELEVATION TYPE

ID: COUNTY: ( 009 ) PERMIT: 70044 SUFFIX: D REASSIGNED COUNTY/PERMIT #:

COMPLETION INFO: ELEVATION: ELEVATION TYPE: COMP FLAG: RIG TYPE: LOCATION INFO: TAX DISTRICT: ( ) Cross Creek

CLASSIFICATION: DATES: MM/DD /YYYY 7.5' LATITUDE (DDMM.M Miles\_South)

INITIAL: SPUD: 117 17 1913 WELL TYPE: LONGITUDE (DDMM.M Miles\_west)

FINAL: COMP: 115 / 1914 BATCH: / / 1914 QUADRANGLE: ( )

FIELD: ( ) YEAR RPTD: OIL-BEFORE TREATMENT (BOPD): 15' LATITUDE (DDMM Miles\_South)

OPEN GAS-BEFORE TREATMENT (MGFPD): OIL-AFTER TREATMENT (BOPD): LONGITUDE (DDMM Miles\_west)

FLOW: GAS-AFTER TREATMENT (MGFPD): TIME (NATURAL, IN HOURS): QUADRANGLE: ( )

ROCK NATURAL (PSI): TIME (TREATED, IN HOURS): DEEPEST FORMATION TESTED: ( )

PRESSURE: TREATED (PSI): DEPTHS: TOTAL FOOTAGE: 2200 NEW FOOTAGE: 688 5' SECTION: ( )

DEEPEST FORMATION: AT TOTAL DEPTH: ( ) DEEPEST FORMATION TESTED: ( )

OWNERS: INFO: STATUS: ( C ) DATE: (MM/DD/YYYY): 11 5 / 1914 SURFACE OWNER: P T Freshwater

OPERATOR CODE: ( ) -NAME: Hope Mt Gas OIL&GAS OWNER:

OGWATER (INCLUDE QUALITY, DEPTH, QUANTITY) if available: COMPANY NUMBER: ( 1765 )

PAYS INFO: ACTIVITY PRODUCT TOP FORMATION TOP DEPTH BOTTOM DEPTH BOTTOM FORMATION BEFORE AFTER

STRAT INFO: FORMATION FM Q DEPTH (depth for thick) DEPTH QUALITY THICKNESS THICKNESS QUALITY ELEVATION TYPE