

I.D. NUMBERS

OPERATOR: United Fuel Gas Co.

FARM: W.J.B. Moyers

WELL NUMBER: #2 - 8062

LOCATION: Rockingham Co., Bergton 7.5' quad.

LAT.: 12,750' S. of 38° 50'

LONG.: 6,250' W. of 78° 55'

ELEVATION: 1996.69 (grd.)

TOTAL DEPTH: 3759'

DRILLING COMMENCED: 1 March 1956

WELL COMPLETED: 11 May 1956

RESULT: Gas Well - Plugged 25 August 1967

V.D.M.R. 148 (B-2)

OIL & GAS

INSPECTOR RO-11API 45-165-19697-00-05LOGGED BY Bartlett & Associates
(THB, 5/81)

GEOLOGIC LOG

<u>INTERVAL</u>	<u>DESCRIPTION</u>
0-3553	Not Examined
3553-65	SHALE, black, carbonaceous, pyritic, slightly calcareous, slightly silty. Base of interval has quartz grains, very fine to medium, clear glassy and mostly angular to subangular w/ few rounded and a few grains frosted. Poorly sorted in matrix of black carbonaceous SHALE. Transition zone.
3565-67	SHALE and matrix supported SANDSTONE as above. Also SANDSTONE, fine to fine medium, subangular and glassy to rounded and frosted qtz. grains, mostly disaggregated. Rock fragments are tight interlocking mosaics of qtz. w/ minor intergranular carbonate. Some fragments fair to poorly sorted. Occasional fine dark gray rock clasts mixed w/ the qtz. grains in some fragments.
3567-69	SANDSTONE, as above w/ minor possible conglomerate. Abundant SHALE cavings. Drill tool debris common. Sample mostly disaggregated.
3569-74	SANDSTONE, calcareous, as above. (Composite of 3 sample intervals.)
3574-79	SANDSTONE, calcareous, as above, w/ fairly abundant broken single crystal quartz pebbles - white to clear, glassy, slightly rounded on some sides - from probable conglomerate zone. (Composite of 2 intervals.)
3579-83	No sample
3583-88	SANDSTONE, lt. brown, fine grained, angular to subangular interlocking mosaic of glassy qtz. grains w/ occasional rounded, frosted qtz. grains and dk. gray rock fragments. Intergranular carbonate in varying amounts. SANDSTONE tight to v. low porosity. (Composite of 2 intervals.)
3588-92	SANDSTONE, as above, w/ rare large broken qtz. grains - possible conglomerate? (Composite of 2 intervals.)
3592-95	SANDSTONE, lt. brown to m. lt. gray, as above, w/ calcite-filled fractures and slickensides.

- 3595-99 SANDSTONE, lt. brown to med. gray, v. fine to med. grained w/ occasional fragment(?) of larger qtz. grain; mostly angular to subangular and glassy w/ minor rounded, frosted qtz. grains. Mostly grain-supported, tight quartzite w/ minor intergranular calcite, though some rock fragments are nearly matrix-supported and easily broken. Occasional dk. gray, fine, rock fragment in the qtz. mosaic.
- 3599-3605 SANDSTONE, lt. tan to white, fine to fine med., glassy, subangular qtz. grains. Sample mostly disaggregated. (Composite of 2 intervals.)
- 3605-09 SANDSTONE, as above, mostly disaggregated. Rare rock fragments ARE tight. (Composite of 2 intervals.)
- 3609-12 No sample.
- 3612-15 SANDSTONE, lt. tan to white to lt. gray, fine to very coarse; fair to poorly sorted, subangular to subrounded, grain-supported w/ intergranular calcite, qtz. grains clear and glassy to frosted and milky, w/ occasional black to dark gray rock clasts mixed w/ the qtz. sand. The SANDSTONE fragments appear tight w/ very little porosity.
- 3615-22 SANDSTONE, as above, with largest grain medium-sized.
- 3622-26 SANDSTONE, v. fine to fine grained, glassy angular to subangular qtz. w/ rare black rock clasts in tight interlocking mosaic w/ minor intergranular calcite. Fractures evident on some quartzite fragments.
- 3626-27 No sample
- 3627-30 SANDSTONE, lt. gray to lt. brown, as above.
- 3630-34 SANDSTONE, as above, w/ occasional med. size qtz. grains.
- 3634-37 SANDSTONE, as above, tight w/ some fractures evident.
- 3637-46 No Samples
- 3646-48 SANDSTONE, fine medium to v. fine, lt. brown to lt. gray, subangular glassy interlocking quartz w/ minor black rock clasts within the mosaic. Porosity very low and much of it is plugged with black intergranular manganese. Virtually no calcite present.
- 3648-51 No samples
- 3651-55 SANDSTONE, as above, with very little manganese. Tight (Composite of 2 sample intervals.)
- 3655-67 No Samples
- 3667-73 SANDSTONE, as above, white to lt. gray. (Composite of 2 intervals.)

3673-78 SANDSTONE, as above. Quartz grains fine to med., fairly well-sorted, clean, tight, with minimal intergranular calcite. (Composite of 2 intervals.)

3678-81 No Samples.

3681-86 SANDSTONE, as above. (Composite of 2 intervals)

3686-89 No Samples.

3689-96 SANDSTONE, lt. to med. gray, fine grained, calcareous. Otherwise as above. (Composite of 2 intervals)

3696-99 Samples missing.

3699-3703 SANDSTONE, as above. Some sample fragments are nearly matrix-supported, though most are grain-supported. Increased amounts of intergranular calcite compared to samples above 3686. (Composite of 2 intervals).

3703-09 SANDSTONE, lt. to med. dark gray, fine grained, subangular mostly glassy quartz w/ abundant intergranular calcite. Porosity very low except along fractures. Overall grain size smaller than above. (Composite of 2 intervals).

3709-14 SANDSTONE, as above. Sample fragments friable and much of sample is disaggregated. (Composite of 2 intervals.)

3714-20 No samples.

3720-23 SANDSTONE, fine to very fine grained, med. to med. dark gray, very calcareous, well-sorted, grain-supported, tight.

3723-34 No samples.

3734-36 SANDSTONE, as above, very calcareous.

3736-38 No samples.

3738-43 SANDSTONE, as above.

3743-45 SANDSTONE, m. dark gray, very fine to fine grained, very calcareous, well-sorted, very low porosity.

3745-49 SANDSTONE, as above, many sample fragments are friable. Majority of sample is grain-supported SANDSTONE though some fragments appear matrix supported. Interval is very calcareous.

3749-51 SANDSTONE, med. to dark gray, v. fine to fine grained, well-sorted, very calcareous, very low porosity.

3751-54 SANDSTONE, as above.

3754-57 No samples.

3757-59 SANDSTONE, as above. Most of sample disaggregated.