

**COPY**

4-16-21W

**CONFIDENTIAL**

CARMEN SCHMITT, INC.  
#1-A Elmore  
S/2 S/2 NW/4 Sec. 4-T16S-R21W  
Ness County, Kansas

RELEASED

OCT 13 1991

FROM CONFIDENTIAL

WELL SUMMARY

Well Name: Carmen Schmitt, Inc.  
#1-A Elmore

Location: S/2 S/2 NW/4 Sec. 4-T16S-R21W

Elevation: 2364 G.L.                      2369 K.B.

Contractor: Red Tiger Drilling Company - Rig No. 5

Spud Date: 8-24-90

Completion Date: 8-31-90

Bits:                      Surface 12-1/4"                      Smith FDS 2G5555                      0'- 225'  
                                  Bit #1 7-7/8"                      Security S335F 381587                      225'-1729'  
                                  Bit #2 7-7/8"                      C.P. EH527 CB52239                      1729'-4364'

Tests: None

Deviations:                      225' - 3/4°                      1729' - 1°                      4364' - 1°

Mud: Mud-Co Inc., Great Bend, Kansas

Logs: Davis Great Guns, Hays, Kansas: RA Guard Log - Dual Porosity Log

Status: Dry Hole

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CONSERVATION DIVISION  
Wichita, Kansas

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FT. SCOTT - 4215' (-1846)

Mostly shale, reddish brown, silty, unconsolidated; tr. sandstone: white, vfg, indurated, cement, sub-angular, v. tight; v. scattered show of free oil, better w/break; scattered heavy residual stain, flaky; no odor.

CHEROKEE SHALE - 4238' (-1869)

Shale, reddish brown, v. soft, gummy, blacky, unconsolidated.

CHEROKEE 'A' SANDSTONE - 4243' (-1874)

Cherokee 'A' Sandstone is undeveloped, replaced by Cherokee Shale.

CHEROKEE 'B' SANDSTONE - 4253' (-1884)

Sandstone, white, Fg to vfg, angular, indurated, well cemented, tight. No show.

CHEROKEE 'BASAL' SANDSTONE - 4301' (-1932)

Sandstone, white, vfg, indurated, sub-angular, med. sorting, well cemented, friable; intergranular blue-green clay; v. sli. show of free oil, enhanced w/break; no odor.

MISSISSIPPIAN - 4311' (-1942)

Dolomite, yellow opaque, sucrosic; v. cherty, v. hard, v. tight. No show.

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TORONTO - 3778' (-1409)

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Limestone, white, microcrystalline; fossiliferous, chalky in part. No show.

LANSING-KANSAS CITY - 3799' (-1430)

3799-3813: Limestone, white to lt. buff, crystalline, tight. No show.

3816-3820: Limestone, lt. buff, crystalline, Firm, tight. No show.

3829-3847: Limestone, lt. buff, crystalline, firm, tight. No show.

3850-3866: Limestone, lt. buff, crystalline, v. hard, v. tight; oolitic in part. No show.

3870-3894: Limestone, white, microcrystalline, crumbly; chalky, tr. chert. No show.

3898-3930: Limestone, lt. buff, microcrystalline, crumbly; chalky. No show.

3940-3956: Limestone, buff to lt. tan, crystalline, crumbly; calcite growths. No show.

3965-3982: Limestone, white to lt. buff, microcrystalline, hard, dense, tight. No show.

3994-4008: Limestone, lt. buff, microcrystalline, hard, tight. No show.

4013-4022: Limestone, white, microcrystalline, hard, tight; micro-oolitic in part. No show.

4026-4035: Limestone, white, microcrystalline, dense, tight; chalky in part. No show.

4040-4054: Limestone, lt. buff, microcrystalline, dense, tight; v. scattered heavy dark stain, no show of free oil.

PAWNEE - 4144' (-1775)

Chert, orange grading to opaque, grayish buff then to grey at the base of the section. No show.

LABETTE SHALE - 4209' (-1840)

Shale, dk. grey, calcareous, Firm, platy, Fissile.

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**FORMATION LOG TOPS**

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Anhydrite	1687'	(+682)
Topeka	3518'	(-1149)
Heebner Sh.	3755'	(-1386)
Toronto	3778'	(-1409)
Lansing/K.C.	3799'	(-1430)
Stark Sh.	4009'	(-1640)
Base/L-K.C.	4057'	(-1688)
Pawnee	4144'	(-1775)
Labette Sh.	4209'	(-1840)
Ft. Scott	4215'	(-1846)
Cherokee Sh.	4238'	(-1869)
'A' Sandstone	4243'	(-1874)
'B' Sandstone	4253'	(-1884)
'Basal' Sandstone	4301'	(-1932)
Mississippian	4311'	(-1942)

SAMPLE DESCRIPTION - ZONES OF INTEREST

Note: Samples were examined wet, logged back on drilling time and corrected for log tops.

Samples were examined from 3500' to R.T.D.

TOPEKA - 3518' (-1149)

Limestone, buff, crystalline, crumbly; chalky. No show.

HEEBNER SH. - 3755' (-1386)

Shale, dk. black w/greasy lustre, soft, blocky, fissile.

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WELL SUMMARY FROM CONFIDENTIAL

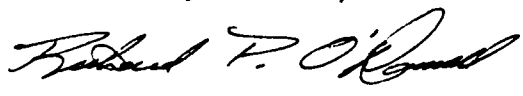
Carmen Schmitt Inc.'s #1-A Elmore encountered the primary objectives, the Cherokee 'A' and 'Basal' Sandstones structurally more than 14' low to the key offset well, Northern Lights Oil Company's #1 Elmore (660' north, 330' west of the #1-A Elmore), which yielded water on drill stem tests of these sandstones. Both sandstones showed inadequate development in the drilling samples and an open hole logs, and consequently were not drill stem tested.

The secondary objective, the Ft. Scott Formation, also had inadequate porosity and permeability development in the samples and on the logs, and given the comparative structural position to the two non-economical Ft. Scott productive wells, this zone was judged to be of non-commercial value.

There was no effective porosity and permeability development and no shows of oil in the Mississippian Formation.

Due to all inclusive data, it was decided by all parties present to plug and abandon the #1-A Elmore test well.

Respectfully submitted,



Richard P. O'Donnell  
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Sheets Oil Company  
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