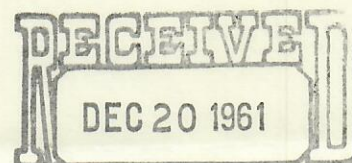




WELL SITE GEOLOGIC REPORT

TEXOTA OIL CO.
PROSPECT "C"

#1 GILSDORF



OIL & GAS
CONSERVATION COMMISSION

LOCATION: C NE SW Section 5, T. 7 N., R. 44 W.,
Phillips County, Colorado.

ELEVATION: 3744 K. B.

SPUDDED: 1:30 P. M. - 10-23-61

COMPLETED: 12:00 P. M. - 10-28-61

STATUS: D & A

Drilled 12 1/4" surface hole and set 235' @ 243 KB
new 24# 8 5/8" casing. Cemented with 125 sax
regular cement with 2% calcium chloride.

Drilled out from surface at 7:30 A. M. 10-24-61.

LOGS: LANE WELLS: IES and Microlog /Caliper
348 to 3487' (10-27-61)

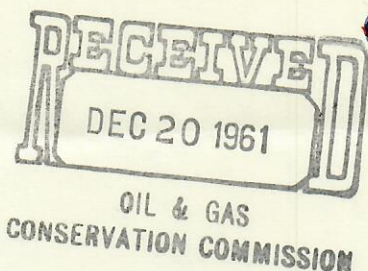
DRILL STEM TESTS: #1 T. D. 3487: 3303 - 3310
Straddle test. Open 1 hour. ISIP 30 min. 458#
(Initial shut-in leaked) IFP 122#, FFP 312#,
FSIP 30 min. 693#, IHP 2237#, FHP 1828#.
Recovery: Fair blow increasing to good blow in
10 min. and continuing for 35 min. and decreasing
to fair blow at end of test.
Fluid: 660 slightly oil cut fresh water. (brown oil)

CORES: None.

LOG TOPS

NIOBRARA	2510	+ 1234
FT. HAYS	2875	+ 869
GREENHORN	3055	+ 689
"D" SAND	3286	+ 458
"J" SAND	3372	+ 372
SKULL CREEK	3483	+ 261
TOTAL DEPTH	3490	

SAMPLE DESCRIPTION
TEXOTA OIL COMPANY
PROSPECT "C"



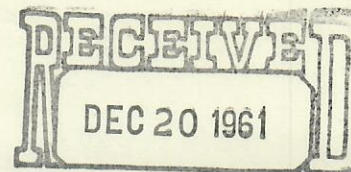
#1 GILSDORF

C NE SW SEC. 5 T. 7 N., R. 44 W.

- 2500 - 20 Shale, dark gray, soft, slightly limy, rather abundant pyrite.
- 2510 (+ 1234) LOG TOP NIOBRARA
- 2520 - 30 Shale medium light gray, speckled, very limy, abundant pyrite.
- 2530 - 70 Shale and pyrite as above, trace tan limestone dense.
- 2570 - 2600 As above.
- 2600 - 2850 Shale, gray and some light gray, speckled, limy, some pyrite.
- 2875 (+ 869) LOG TOP FT. HAYS
- 2850 - 2900 Limestone white, soft, chalky, probably very high content of clay. (balls-up)
- 2900 - 40 As above. Trace some very pale pink lime.
- 2940 - 70 Limestone white to cream becomes more firm, trace pale pink lime.
- 2970 - 3060 Shale very dark gray with occasional free pyrite.
- 3055 (+ 689) LOG TOP GREENHORN
- 3060 - 80 As above with Inoceramus fragments, trace limestone, tan dense.
- 3080 - 3100 Limestone, medium tan and gray dense to fine crystalline and some clastic appearing, abundant Inoceramus fragments.
- 3100 - 10 As above and some medium brown, very dense hard lime.
- 3110 - 20 As above and abundant pyrite.
- 3120 - 40 Shale dark gray with some limestone tan as above, also light gray, pyrite free.
- 3140 - 50 Shales dark gray with trace sand medium light gray hard very fine crystalline tight.
- 3150 - 60 As above, traces of sand as above grades silty, glauconitic.
- 3160 - 70 As above and abundant pyrite.
- 3170 - 90 As above and trace bentonite light gray.
- 3190 - 3230 Shale dark gray.
- 3230 - 65 Shale dark gray - black, some bentonite white-light gray.
- 3265 - 70 Shale dark gray, fair trace sand, very fine grained to fine grained, gray to dirty gray silty, with fish scales, mostly tight, sand is thin bedded and intercolated with shales and silts.
- 3275 - 85 As above and pyritic sand.
- 3285 - 90 Shale as above and fair trace sand light gray, fine grained, some with white clay cement, some porous,

3285 - 90 no stain, no fluorescence, faint dull gold cut.
3291 Circulate 15 minutes. Trace sand as above, faint cut.
Circulate 30 minutes. Fair trace sand, light gray,
very fine to fine grained, porous, no stain and
only faint cut.
Circulate 45 minutes. As above.
3291 - 95 Less than 5% and as above.
3286 (+ 458) LOG TOP "D" SAND
3295 - 3300 Sand, about 5% of sample. As above with dull fluorescence.
3300 - 10 Sand as above, dull gold fluorescence and dull gold cut.
3310 - 15 Sand very fine grained with dull gold fluorescence and dull
gold cut.
3315 - 20 Sand very fine grained to fine grained, light tan with good
fluorescence and good brilliant cut. Oil is present as
brown globules in sand and globules break into film of
brown oil when sand is crushed.
3320 - 30 Sand as above, considerable gold fluorescence and oil
stain as above in some chips.
3330 - 35 Sand very fine grained to fine grained, light tan porous
to some grading tight with heavy tan cement, some
stain and good fluorescence.
3335 - 40 Sand as above with irregular fluorescence.
3340 - 45 Sand very fine grained, tight tan, no stain and fluorescence
diminishing.
3345 - 50 Sand very fine grained light gray to tight as above, spotty
very dull fluorescence.
3350 - 60 As above with some fair fluorescence.
3360 - 65 Sand as above and much brown limestone dense (cavings).
3368 Circulate 15 minutes. Shale dark gray, trace sand as above.
Circulate 30 minutes. Shale dark gray.
3368 - 85 Shale dark gray.
3372 (+ 372) LOG TOP "J" SAND
3385 - 90 Sand fine to medium grained light gray, slightly glauconitic,
some very porous, good gold fluorescence in part,
some sand has light oil stain.
3390 - 95 Sand fine to medium grained gray, slightly glauconitic,
very good brilliant gold fluorescence for entire
sample, has very light oil stain, sand is very porous,
may be wet.
3395 - 3400 Sand as above and some sand very fine grained, no shows.
3400 - 05 Sand white to very light gray, very fine grained to fine
grained, very faint dull fluorescence and bentonite
white.
3405 - 10 Sand white and very light gray, very fine grained to some

- 3405 - 10 pyrite, has variable fluorescence, mostly poor dull gold, some fair gold, some very light oil stain looks wet, some bentonite white.
- 3410 - 15 Sand fine to medium grained light gray, white, porous to slightly porous, mostly poor very dull fluorescence, trace some fair fluorescence, rather poor cut, and bentonite white.
- 3415 - 20 Sand light gray-white, very fine grained uniform, some variable very poor fluorescence.
- 3420 - 25 Sand as above, no fluorescence, rather faint cut.
- 3425 - 30 Sand very fine grained uniform white-light gray, very faint dull fluorescence.
- 3430 - 35 Sand very fine grained light gray-white, uniform, appears rather tight, very poor to no fluorescence.
- 3435 - 40 Sand light tan, very fine grained uniform, very light oil stain with very good gold fluorescence.
- 3440 - 45 Sand light tan and light gray very fine to medium grained, very light oil stain appears fairly porous to very porous. Very good gold fluorescence.
- 3450 Circulate 15 minutes. Sand as above.
- 3450 - 55 Sand very fine grained, light gray, tighter than above, non-calcareous, few chips porous with good very light oil stain and good fluorescence.
- 3455 - 60 Sand very fine grained light gray, appears rather tight, uniform, some grade silty, non-calcareous, few chips with very light oil stain, good to fair fluorescence - these chips appear very fine grained to fine grained and more porous.
- 3460 - 65 Sand very fine grained light gray, uniform, few carbonaceous partings, no oil stain or fluorescence.
- 3465 - 70 Sand very fine to fine grained white to light gray, firm to friable, a few carbonaceous partings, very abundant pyrite, no oil stain, no fluorescence.
- 3470 - 75 Sand very fine to fine grained white to light gray, fair to good porosity, most of cuttings with no stain or fluorescence.
- 3475 - 80 Sand very fine grained to fine grained white-light gray, firm to friable, pyritic, few chips with very dull fluorescence, fair to good porosity.
- 3480 - 85 Sand light gray, soft, porous, few carbonaceous partings, some pyrite, a few chips with fair fluorescence, most with none.
- 3485 - 90 Sand very fine grained white to light gray, some with salt and pepper appearance, fair to very good porosity, pyrite, very poor faint fluorescence, no visible stain.



OIL & GAS
CONSERVATION COMMISSION

3483 (+ 261)
3490

LOG TOP SKULL CREEK SHALE

Circulate 15 minutes. As above.

Circulate 30 minutes. Shale dark gray, trace sand
as above.

Circulate 45 minutes. As above and 50% sand as above.

Circulate 1 hour. Shale dark gray, trace sand as above.

Circulate 1 hour 15 minutes. Shale dark gray.

3490'
3487'

TOTAL DEPTH Driller
ELECTRIC LOG

SUMMARY

The Gilsdorf well ran approximately 42' low to the anticipated structural picture and 40' low to Texota Oil Company's #1 Hansen. The well was 25 feet high to the Eddie Fisher well 2.5 miles due east, thus proving the existence of a structural high at the location. Judging from the nature of the fluid recovery of fresh water on drill stem test it is doubtful if sufficient structural closure exists in the prospect area to offer an effective trap for oil or gas.

In the drilling samples several good shows of light oil stain and good fluorescence were observed in both the "D" and "J" sands. All the sands with oil shows looked suspiciously wet. The electric log did not look at all impressive and the fluid saturations in the better zones of the samples and on the log calculated high in water. The drill stem test taken in the "D" sand was one of these better looking zones and proved water bearing.

BIT RECORD

<u>No.</u>	<u>Size</u>	<u>Make</u>	<u>Type</u>	<u>Footage</u>	<u>Hours Run</u>
1	7 7/8	C. P.	ES1G	2852'	26 3/4
2	7 7/8	C. P.	ES1G	390'	11 1/2

Leonard A. Murphy, Geologist
Denver, Colorado