

15-009-24697 29-17s-12w

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY <u>Total Production Corporation</u>		ELEVATIONS	
LEASE <u>* 1 Koester</u>		KB <u>1862'</u>	
FIELD <u>WC</u>		DF <u></u>	
LOCATION <u>2.560' FSL, 330' FEL, 3E/4</u>		GL <u>1854'</u>	
SEC <u>29</u> TWP <u>17s</u> RGE <u>12w</u>		Measurements Are All From <u>1862' KB</u>	
COUNTY <u>Barton</u> STATE <u>Ks.</u>			
CONTRACTOR <u>Duke Drilling - Rig #8</u>		CASING SURFACE <u>8 5/8" @ 523' KB</u>	
SPUD <u>12-15-2000</u> COMP <u>12-23-2000</u>		PRODUCT ION <u>5 1/2" @ 3380' KB</u>	
RTD <u>3400'</u> LTD <u>3402'</u>		ELECTRICAL SURVEYS ECL: COLCUL, DIL, ML, # 30mic	
MUD UP <u>2600</u> TYPE MUD <u>Chemical</u>			
SAMPLES SAVED FROM <u>1000</u> TO <u>3400'</u>			
DRILLING TIME KEPT FROM <u>1000</u> TO <u>3400'</u>			
SAMPLES EXAMINED FROM <u>2640</u> TO <u>3400'</u>			
GEOLOGICAL SUPERVISION FROM <u>2850</u> TO <u>3400'</u>			
GEOLOGIST ON WELL <u>Tim J. Lauer</u>			
FORMATION TOPS	LOG	SAMPLES	
<u>Howard</u>	<u>2702 -840</u>	<u>2702 -840</u>	
<u>Topoka</u>	<u>2739 -877</u>	<u>2739 -877</u>	
<u>Heebner</u>	<u>3023 -1161</u>	<u>3022 -1160</u>	
<u>Topeka</u>	<u>3042 -1180</u>	<u>3045 -1181</u>	
<u>Burline</u>	<u>3117 -1257</u>	<u>3118 -1256</u>	
<u>Lanning</u>	<u>3131 -1269</u>	<u>3135 -1273</u>	
<u>g/kc</u>	<u>3364 -1502</u>	<u>3362 -1500</u>	
<u>Arbuckle</u>	<u>3388 -1526</u>	<u>3387 -1525</u>	
<u>Total Depth</u>	<u>3402 -1540</u>	<u>3400 -1538</u>	

REMARKS Due to favorable results on DST's #1 and #2, operator elected to run production casing to further evaluate the area and Lansing zone.

RECEIVED
KANSAS CORPORATION COMMISSION
FEB 2 2001
CONSERVATION DIVISION

Respectfully submitted,
Tim J. Lauer

LEGEND

Anhydrite	Salt	Sandstone	Shale	Carb sh	Limestone	Ool. Lime	Chert	Dolomite

SCALE " = 100'

Lithology	Drilling time in minutes	DEPTH	Sample Description	Remarks, drill stem tests, etc.
		2600		U.S. 7:00 P.M. 12-16-2000 RTD 3:25 P.M. 12-22-2000
				"BIT RECORD" 1) HTC 12 1/4" SL to 524' (Retrip) 2) W/M 7 7/8" 524 to 3400 (New)
				STRAIGHT HOLE TESTS 1/4" 523' 3/4" 1420' 3/4" 2180' 1/2" 2800' 1/4" 2975' 1/4" 3400'
				"Geo Detector in use 2630 to RTD."
			12:00pm. grey. micro. fossilifer. sh. thin bedded - sh. med. dsk. grey. platy - tan. and grey. micro. fossilifer. comp. dr. msp. dr.	

U.S. 7:00 P.M. 12-16-2000
RTD 3:25 P.M. 12-22-2000

"BIT RECORD"

- 1) HTC 12 1/4" SL to 524' (Retip)
- 2) W/M 77/2" 524 to 3400 (New)

STRAIGHT HOLE TEST2

1/4° 523'	3/4° 1430'
3/4° 2130'	1/2° 2804'
1/4° 2377'	1/4° 3400'

" Gas Detector in use 2630' to RTD "

← SA - Detective Rigged up & working →

50

12.5 cm. gry. micro. Enxln. softw. to 1.5 in. p. 12
to mid. dsk. gry. platy.

Is. ind. pr. micro. Enxln. comp. dnz. nyp. dz

sh. med. dck. gry. sm. brick rd. phos. blacky.

zh:nty, vcol ad

Howard 2702 (-840)

Z700

(2) com. Dry. micro. faxia. ext. Dry. loc. micro.
mod. fa. mod. d. 2. 94 ps. 2. 42. 51. 622. 11.

b: most psy. & n. micro. mdx/n. gran. cgh
txt. most in 3. pr. vcz. p. N3.

26: 15-m. 954. 75. 50. 250. 950.

Тодєка 2739 (=877)

12; buff. tao. microxla. camp. doz. NZ

12. grey. brn. mat. sm tan. vln. mds/la. mesh
gran. ext. ls. 1/4 w/ pr. ric fr. 1/4 x 1/4 9 No str

6: greyish, v. m. d. a. 1/4 mealy text
w/ pr. fr. 15 & 18 LN 9. 42, a. stain.

12. AA. incr. pres. most fr. m. d. l. n. 'A w/ pres. fr.
16. IN. AA. 20. 6000 N. Z. 23. 21. 21. 21.

12: lt. md. psy. No microxla comp. shcp. R.
most vfr. md. dcd x la. rgh. gran. text. ad.
ps. scat. fr. 1X N 2. N 3. n. strain.

ls. suff. grey micro. bristh. mealy IP. most pr.
IXLN 9. 4.2 a. 200.

ls: buff. grey incl. med grey. bn. maxila. $\frac{1}{3}$ white
gran. bed. most pt. vis. to N. stain.

17. com. psy. v. to foxln. mealy txt. 1/3 w/pc. fr
18. INP. R. n. stain. ref kick. 1/10 micr axln.
comp. 3hrp. np

12. cm. It dry some buff micr. v. xla. of
pr. viz. 9. becom camp. sbc. 18. N. 3. a stain.

15. com. dry. 10. incr. frxlo. 1/2 w/crink. N. 20
mealy text. scal. fr. XLNG. N. 2. the chit. com.
fresh. abs. 09. N. 3

Gr. red gry. sm. full, micro. finger & ln. mostly
daz. p.c. v. 2 & 4. 2 cat. dk. gry. & d. shell

6:00 pm. micro. fax to meet day p. 4:30 p. 4:30
n. 5th. n. o. 105. tre. p. 2 w/ p. 4:30 p. 4:30.

sh:md:dk gry. wcol sd. spn. tr. blk

6. rem's w/ht. micco. fixla. 2hrp. comp. n.p.
Ns. n. q. dor. 2m. nry. ad. n.p. 1/2

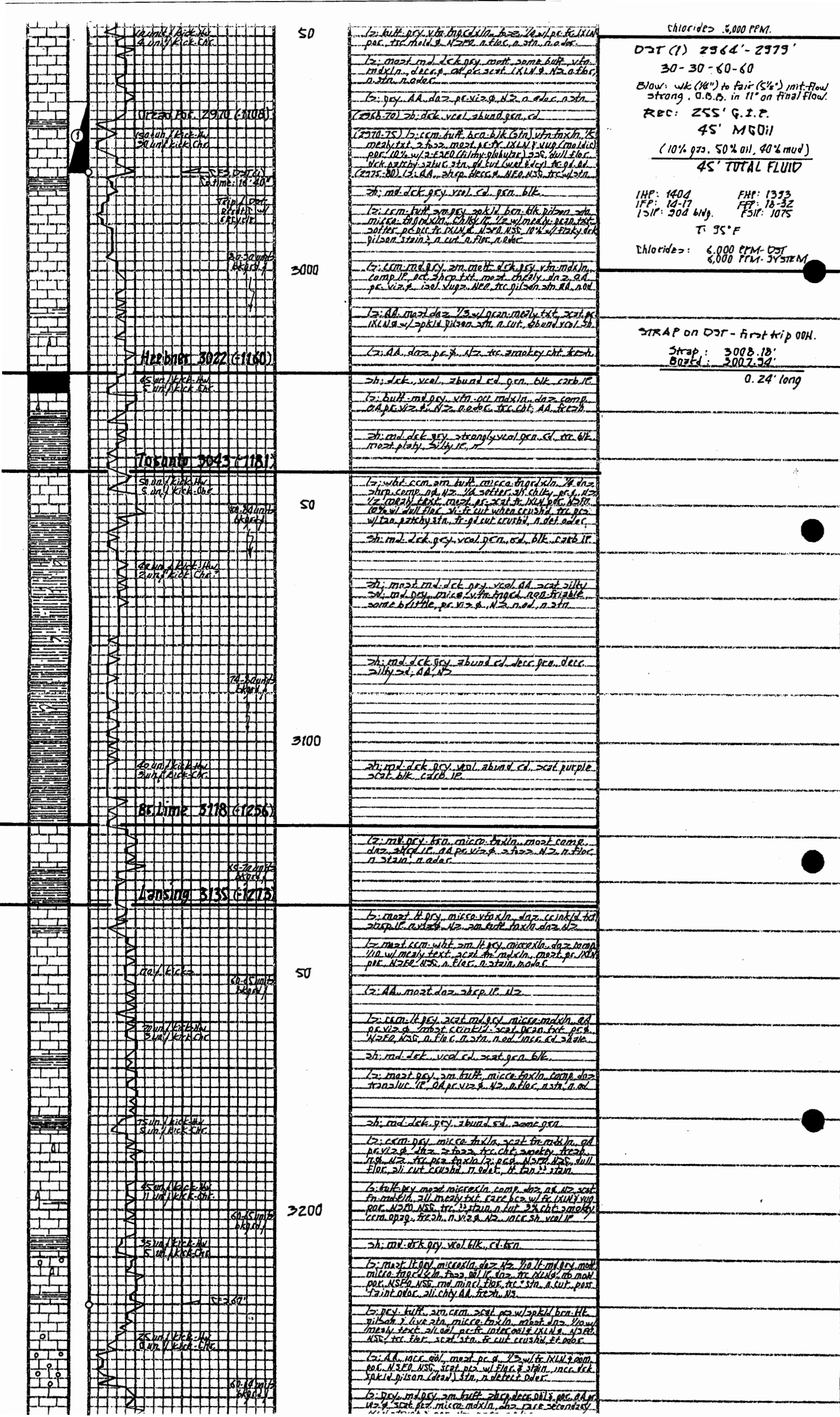
2b: 1 sk. ycol. incr. gen. sd & flk. 1756

tz: wht. crm. micro. vtr xln. comp. p.d. N5
same lt. red. qry. fr. md xln. to 22. sh 2 pr. viz.
p.d. N2, n. stain. n. odor.

sh: drk. vocal. pr. prn. co. scat. blk

Geologist on location - Drilling @ 2845'

VIS. 39 wt. 8.9 w/L. 10.0 LCM.
Chlorides 5.000 PPM.



ELI AND S402 (1500)

3400

[illegible]

RTD 3:25 P.M. 12-22-2000

