

State

9-15-26W

CHIEF DRILLING CO., Inc.

Drilling Contractors - Oil Producers

SUITE 905 CENTURY PLAZA

WICHITA, KANSAS 67202

DAILY DRILLING REPORT

Rig #1

API: 15-063-20,923

(316) 262-3791

V. RICHARD HOOVER
PRESIDENT

NORTON "A" #1 (offset to Norton)
NE SE SW 9-15S-26W
Gove County, Kansas

CONFIDENTIAL

APR 01 1985
State Geological Survey
WICHITA BRANCH

5-23-85 Moving in on location

5-24-85 Finished moving in, spudded in @ 4:00 p.m., ran 8 jts. new 20# 8 5/8", 294' set @ 302', cem. w/175 sx. 60-40 pos-mix, 2% gel, 3% c.c. plug down @ 11:30pm

5-25-85 Drilling out plug

5-26-85 Drilling @ 2234'

5-27-85 Drilling @ 2787'

5-28-85 Drilling @ 3360'

5-29-85 Drilling @ 3838' DST #1 3782-3840 Lans 140-160 zn. 30-30-30-30 very wk. blow died in 20 min., Rec. 40' M, IBHP: 983# FBHP: 491#, IFP: 89-89 FFP: 89-89

5-30-85 DST #2 3844-3875 LKC 180 zn. 30-45-90-60 1st open: VSB off btm bucket, 2nd open: VSB off btm bucket, gas to surf. at end of final shut in., Rec. 360' total fluid 110' CGO, 250' SGMCO (79%O, 13%M, 8%G) IBHP: 419#, FBHP: 401#, IFP: 89-107 FFP: 137-178 48 gravity @ 80° temp.

5-31-85 DST #3 3870-3940 Lans. 200-220 zn. 30-45-90-60 1st open fair bl bldg, 2nd open fair bl bldg to strong bl. Rec. 200' GIP 560' Total fl. 125' OCM (14% O, 22%G, 64 M) 435' SGMCO (62%O, 10%G, 28%M) IBHP: 1210#, FBHP: 1119# IFP: 133-160 FFP: 223-267

DST #4 3921-3987 Pleasanton & Marm. top 30-30-30-30 Rec. 30' M; IBHP: 89#, FBHP: 80#, IFP: 80-80 FFP: 80-80

6-01-85 DST #5 4126-4166 Ft. Scott 30-30-30-30 Rec. 30' M; IBHP: 223#, FBHP: 107#, IFP: 89-89 FFP: 89-89

6-02-85 DST #6 4205-4255 Miss. 30-30-30-30 Rec. 15' M, w/few O spots, IBHP: 401#, FBHP: 178#, IFP: 88-88 FFP: 88-88

6-03-85 DST #7 4205-4263 Miss. 30-30-30-30 Rec. 60' M, IBHP: 625#, FBHP: 491#, IFP: 107-107 FFP: 107-107 DST #8 4251-4275 Miss. 30-45-75-45 Rec. 90' M, w/light oil skim on top of tool, IBHP: 983#, FBHP: 849#, IFP: 71-71 FFP: 80-80

6-04-85 T.D. 4300', Ran E-log, ran 100 jts. new & used 10.5#, 4 1/2" casing 4010' set @ 4018' Ran guide shoe on a 15' shoe jt. centralizer & insert float @ 4003', centr. @ 3925'; 3896'; 3839'; 3780'; basket @ 1837', port collar @ 1806', cem. w/200 sx. common, 2% gel, 3% gills. 20 bbl. mud flush ahead, St. 4:00 p.m. Comp. 6:00 p.m.

ELEVATION: 2370 Gr.
2392 D.F.
2375 K.B.

FORMATION TOPS:

Anhydrite	1798 + 577
Base Anhydr.	1830 + 545
Heebner	3593 - 1218
Toronto	3613 - 1238
Lansing	3630 - 1255
Muncie Cr.	3784 - 1409
Stark	3872 - 1497
Hush Puckney	3907 - 1532
Pleasanton	3929 - 1554
Marmaton	3963 - 1588
Pawnee	4036 - 1661
Ft. Scott	4136 - 1761
Cherokee Shale	4161 - 1786
Johnson zone	4195 - 1820
Mississ. Dolom.	4244 - 1869
RTD	4300 - 1925

E-LOG TOPS:

Anhydrite	1798 + 577
Base Anhydr.	1836 + 539
Heebner	3594 - 1219
Toronto	3613 - 1238
Lansing	3630 - 1255
Muncie Creek	3785 - 1410
Stark	3875 - 1500
BKC	3932 - 1557
Marmaton	3965 - 1590
Pawnee	4038 - 1663
Ft. Scott	4139 - 1764
Cherokee Shale	4169 - 1794
Johnson zone	4202 - 1827
Miss. Dolom.	4240 - 1865
LTD	4298 - 1923

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STATE CORPORATION COMMISSION

JUL 30 1985

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Wichita, Kansas

CHIEF DRILLING CO., Inc.

Drilling Contractors - Oil Producers

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V. RICHARD HOOVER
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DAILY COMPLETION REPORT

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AUG 01 1985

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NORTON "A" #1
NE SE SW 9-15S-26W
GOVE COUNTY, KANSAS

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- 6-13-85 Moved in Warrior double drum, ran correlation cement and collar log, Perf. 4 shots per ft. 3884-3889 swab down casing, ran halliburton pinpoint injection packer
- 6-14-85 spot tool over perfs. spot 600 gal. total acid, acid on perfs. @ 1' intervals, set tool above perfs put in rest of acid. RFC valve pulled into had to POH w/tubing, swab casing down and tested from 3530
1 hr. test 5.22 bbls., 95% O 36 Grav.
- 6-17-85 1240' fill up - trace of water on bottom
1 hr. test 10.73 bbls., 95%
2 hr. test 7.54 bbls., 94%
acidized w/2000 gal. SGA 15% acid, 36 bbls. per min. @ 0 # pressure, load 110 bbls., swab down 88 bbls.
1 hr. test 9.86 bbls., 91%
2 hr. test 11.11 bbls., 92%
3 hr. test 11.02 bbls., 96%
- 6-18-85 700' fillup - trace of water, ran bridge plug & port collar tool. set plug @ 1900', open port collar @ 1803', mix & pump 450 sks. lite cement w/5% gilsonite. close port collar and wash cement out of tubing and sand off bridge plug POH w/tubing and plug
- 6-19-85 ran acid survey shows acid on outside of pipe from 3850-3940' perf. 4 shots per ft. 3858-3865 ran bridge plug and packer to treat perfs @ 3858-3865 set packer @ 3840 plug @ 3875
- 6-20-85 1490' fill up, in 2 3/8" tubing, treat w/1000 gal SGA 15% 5 bbls. per min., @ 1000# max. press. 46 bbl. load, swab down 8.70 bbls.
1 hr. test 8.54 bbls., 38% O
2 hr. test 6.38 bbls., 57% O
3 hr. test 6.09 bbls., trace W
4 hr. test 6.09 bbls., trace W
1/2 hr. test 3.19 bbls., trace W
- 6-21-85 start out of hole with plug and packer
finish pulling out of hole with packer and plug,
Ran mud anchor 29.00
122 jts. 2 3/8" 3,959.86
1 - 6' sub 6.00
Total 3,994.86
- 2 x 1 1/2 x 12 THD insert pump
156 3/4 rods
3 - 6' pony
- 6-25-85 Set pumping unit - down hole pump needs repairs
- 7-03-85 P.O.P.
- 7-15-85 bbl. test 45 bbls. O, no water

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