

9-15-26W

CHIEF DRILLING CO., Inc.

Drilling Contractors - Oil Producers

SUITE 905 CENTURY PLAZA

WICHITA, KANSAS 67202

V. RICHARD HOOVER
PRESIDENT

DAILY DRILLING REPORT

15-063-20,737

RIG #1

(316) 262-3791

NORTON #1 (#2115)
NW SW SE Sec. 9-15S-26W
GOVE COUNTY, KANSAS

MAY 09 1985
State Geological Survey
WICHITA BRANCH

ELEVATIONS: 2335 Gr.
2337 D.F.
2340 K.B.

2-06-84 Moving in on location
2-07-84 Moving in on location
Spudded in @ 5:30 p.m. jts.
284' new 8 5/8" 20#, casing, set
@ 287' cemented w/175 sx. 60-40
pos mix, 2% gel, 3% c.c., plug down
@ 10:45 p.m.
2-08-84 Drilling @ 370'
2-09-84 Drilling @ 1935'
2-10-84 Drilling @ 2805'
2-11-84 Drilling @ 3367'
2-12-84 Drilling @ 3820' DST #1 3752 - 3820
(140 & 160 zone) 30-30-30-30, wk. blow
died in 28 min., Rec. 20' mud, IBHP:
640# FBHP: 210#, FP: 85-85
2-13-84 DST #2 3811 - 3844 (180 zone) 30-30
-30-30 strong blow throughout, Rec.
2884' G.I.P., 305' clean oil, 60'
muddy oil, 305' heavy oil cut mud and
muddy oil, 45' gas to surface in 95
min., IBHP: 1350#, FBHP: 1350#, IFP:
75-175 FFP: 225-280 DST #3 3836 - 3898
(200 - 220 zone) 30-30-30-30 wk. blow
died in 30 min., Rec. 6' mud, IBHP: 80#
FBHP: 60#, FP: 60-60
2-14-84 Drilling @ 4018' DST #4 4082 - 4130
(Fort Scott) 30-30-60-40 wk. blow bldg.
to fair in 25 min., 5 min. afterblow,
2nd open throughout, w/5 min. afterblow
rec. 90' of gas, 30' slightly oil gas
cut mud, IBHP: 105#, FBHP: 95# FP: 90-90
2-15-84 Drilling @ 4167' DST #5 4127 - 4202
(Miss. Dolomite) 30-30-30-30 wk. blow
for 30 min., Rec. 12' oil spotted mud,
IBHP: 300#, FBHP: 230#, FP: 50-50
2-16-84 DST #6 4201 - 4209 30-30-60-45 weak
blow bldg. to fair, 53' heavy oil cut
mud, 2' frothy oil, IBHP: 1220#, FBHP:
1150#, No flow pressures slide 9' plugging
on first open. Ran E-log, failed to reach
bottom by 14'.

FORMATION TOPS:

Anhydrite	1764	+	576
Base Anhydr.	1800	+	540
Heebner	3561	-	1221
Lansing	3600	-	1260
Stark	3839	-	1499
BKC	3896	-	1556
Marmaton	3913	-	1573
Pawnee	4000	-	1660
Fort Scott	4106	-	1766
Cherokee	4129	-	1789
Miss. Dolo.	4197	-	1857
RTD	4239	-	1899

E-LOG TOPS:

Anhydrite	1757	+	583
Base Anhydr.	1792	+	548
Heebner	3558	-	1218
Lansing	3595	-	1255
Stark	3836	-	1496
BKC	3892	-	1552
Marmaton	3908	-	1568
Pawnee	4001	-	1661
Fort Scott	4101	-	1761
Cherokee	4128	-	1788
LTD	4195	-	1855

APR 11 1984
CONFIDENTIAL

State Geological Survey
WICHITA BRANCH

RELEASED

Date: MAY 1 1985
FROM CONFIDENTIAL

9-15-26W^{PL}

CHIEF DRILLING CO., Inc.

Drilling Contractors - Oil Producers

SUITE 905 CENTURY PLAZA

WICHITA, KANSAS 67202

V. RICHARD HOOVER
PRESIDENT

(316) 262-3791

Daily Drilling Report

Rig #1

Page Two

NORTON #1 (#2115)
NW SW SE Sec. 9-15S-26W
Gove County, Kansas

2-17-84 DST #7 4208 - 4214 30-30-60-45
wk. blow bldg. to fair, fair
blow throughout. Rec. 50' free
oil, 40', 40' muddy water, IBHP:
1310#, FBHP: 1265#, FP: 100-100
RTD 4239' ran 121 jts. of used
4 1/2" casing, 4239', ran a guide
shoe on shoe joint, 12', insert
float and centralizer @ 4225', ran
centralizers @ 3854 - 3800 - 1845
basket @ 1812', D.V. tool @ 1779'
set 2' off bottom, lower stage
cemented w/200 sx. of 60-40 pos-
mix, 10% salt, w/10 bbl. salt flush
Started @ 8:30 p.m. Completed @
9:15 p.m. on the 17th. Upper stage
cemented w/450 sx. 50-50 posmix,
6% gel, completed @ 5:30 a.m. on the
18th.

MAY 09 1985
State Geological Survey
WICHITA BRANCH

APR 11 1984
CONFIDENTIAL
State Geological Survey
WICHITA BRANCH

RELEASED

Date: MAY 1 1985

FROM CONFIDENTIAL

CHIEF DRILLING CO., Inc. X

Drilling Contractors - Oil Producers

SUITE 905 CENTURY PLAZA

WICHITA, KANSAS 67202

V. RICHARD HOOVER
PRESIDENT

DAILY COMPLETION REPORT

(316) 262-3791

NORTON #1

NW SW SE SEC. 9-15S-26W

GOVE COUNTY, KANSAS

3-06-84 Moved in Warrior double drum & rigged up. Put on new tubing line, ran bit, 2 drill collars and tubing to 1583'

3-07-84 Drilled rubber plug & cement to 1685'

3-08-84 Drilled 30' to 1715' and pump broke down, made trip to unplug bit.

3-09-84 Drilled cement to D.V. tool @ 1808' drilling on D.V. tool, made trip to unplug bit.

3-12-84 Drilled out D.V. tool @ 1808', ran tubing to 4060', drilled cement to insert float @ 4225', circulated hole clean. Pressure up on casing to 500#, pulled out of hole with tubing & bit.

3-12-84 Ran Gamma Ray Neutron. Perforated from 4199 to 4203 4 shots per ft. swab down casing

1 hr. test .58 bbls., oil
2 hr. test .75 bbls., oil

3-14-84 732' fill up - oil, treated w/500 gallons 15% INS, 10 gallons per min., @ 200# max. pressure, Total load 79 bbls., swab down 82 bbls.

3-15-84 1579' fill up - oil

1 hr. test 6.09 bbls., 100% oil
2 hr. test 5.80 bbls., 100% oil
3 hr. test 4.64 bbls., 100% oil
1/2 hr. test 2.03 bbls., 100% oil

Set Baker wire line plug @ 3910', perforate 4 shots per ft. @ 3820' to 3825', swab down casing

1 hr. test 3.48 bbls., 100% oil

3-16-84 2700' fill up - oil, acidized w/2500 gallons 15% SGA 2 1/2 BPM @ 500#, max. pressure load 122 bbls. swab down to 1300' 85.75 20 min., swabbing test 15.75 bbls. @ 1300'

3-20-84 Fluid down 300' from top, ran 1 jt. w/4' perforations 32.10
126 jts. 2 3/8" tubing 3861.15
2 - 6' subs 12.00

15 7/8 sucker rods
154 3/4 sucker rods
3 - 6' pony rods
1 - 4' pony rod
1 - 16' polish rod

4-05-84 P.O.P. Date of 1st production
4-07-84 Date of 1st sale of Oil
4-09-84 Bbl. test 100 bbls. 39'

Total 3905.25

MAY 9 9 1985
State Geological Survey
WICHITA BRANCH

APR 11 1984

CONFIDENTIAL

State Geological Survey
WICHITA BRANCH

RELEASED

Date: MAY 1 1985
FROM CONFIDENTIAL