16-15-26W

CHIEF DRILLING CO., Inc.

Drilling Contractors - Oil Producers

SUITE 905 CENTURY PLAZA
WICHITA, KANSAS 67202

V. RICHARD HOOVER
PRESIDENT

(316) 262-3791

CONFIDENTIAL

DAILY DRILLING REPORT
RIG #1
API: 15-063-20,944

NORTON "B" #1
NE NW NE 16-15S-26W
GOVE COUNTY, KANSAS

ELEVATION: 2356 Gr.
2359 DF
2361 KB

SEP 30 1985
State Geological Survey
WICHITA BRANCH

7-08-85 moving in on location
7-09-85 moving in on location
7-10-85 moved in 4 loads on location
7-11-85 finished moving in on location
7-15-85 finished rigging up, Spudded in @ 10:00 p.m. ran 7 jts. of new 20# casing, 295' set @ 298', cem w/170 sks. 60-40 posmix, 3% cc 2% gel, plug down 5:00 a.m.
7-16-85 Surface time
7-17-85 Drilling @ 2050'
7-18-85 Drilling @ 2915'
7-19-85 Drilling @ 3320'
7-20-85 DST #1 (Lans. 180 z) 3850-3882 30-30-30-45 Initial blow, wk. blow died in 16 min., 2nd open, no blow Rec. 5' very slight oil speckeled mud, IBHP: 51# FBHP: 58# IFP: 35-35 FFP: 35-40
7-21-85 DST #2 (Lans. 200z) 3876-3915 30-60-90-60 Initial blow, strong blow off bottom of bucket in 8", final blow, strong blow off bottom of bucket in 35", Rec. 30' Gas above fluid, 60' O & GWM, (22%O, 5%G, 43%W, 30%M,) 600' slightly O & slightly GCSW, 3%O, 73,000 parts per million chloride, IBHP: 1223# FBHP: 1065#, IFP: 69-150 FFP: 173-347
7-22-85 Drilling @ 4170' DST #3 4129-4210 (FtScott&Johns) 30-30-30-30 Initial blow wk. blow died in 16", Final blow, wk. blow died in 3", Rec. 12' M, w/O sp. on top, IFP: 69-69 FFP: 69-69 IBHP: 405 FBHP: 173
7-23-85 Drilling @ 4250' DST #4 (Miss) 4206 4250 30-45-75-60 Initial blow - wk. blow bldg. to 4 1/2" blow, 2nd blow-wk. blow bldg. to 6" blow, Rec. 120' Gabove Fluid, 100' CGO, 120' HOCM, (15%G, 40%O, 1%W, 44%M,) 20' OCM, (18%G, 32%O, 50%M) grav. 37 @ 60 chlorides 26,000 parts per million IBHP: 1152#, FBHP: 1034#, IFP: 84-96 FFP: 96-133

FORMATION TOPS:

Anhydrite	1798	+ 563
Base Anhydr.	1828	+ 533
Heebner	3595	- 1234
Lansing	3632	- 1271
Muncie Creek	3789	- 1428
Stark	3878	- 1517
BKC	3938	- 1577
Marmaton	3964	- 1603
Pawnee	4038	- 1677
Ft. Scott	4138	- 1777
Cherokee	4162	- 1801
Mississippi	4234	- 1873
RTD	4250	- 1889

E-LOG TOPS:

Anhydrite	1796	+ 565
B/Anhydr.	1832	+ 529
Heebner	3596	- 1235
Toronto	3614	- 1253
Lansing	3633	- 1272
Muncie Cr.	3790	- 1429
Stark	3877	- 1516
BKC	3939	- 1578
Marmaton	3966	- 1605
Pawnee	4039	- 1678
Ft. Scott	4142	- 1782
Cherokee Shale	4167	- 1806
Mississippi	4232	- 1871
LTD	4247	- 1886

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Wichita, Kansas

NORTON "B" #1
NE NW NE 16-15S-26W
GOVE COUNTY,

DAILY DRILLING REPORT
PAGE TWO
RIG #1

16-15-26W

7-23-84 T.D. 4250' Ran E-log, ran 105 jts. new 10.5# 4 1/2" casing, 4227', ran guide shoe on bottom of 13' shoe jt., set 14' off bottom @ 4236', insert float @ 4223', centralizers @ 4223-4162-4068-1774, basket @ 1734, port collar @ 1814', cemented w/20 bbl. gel flush, 200 sx. common, 2% gel, 3% gilsonite, started cementing @ 9:00 am 7-24-85, completed @ 9:40 a.m.

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DAILY COMPLETION REPORT

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NORTON "B" #1
NE NW NE 16-15S-26W
GOVE COUNTY, KANSAS

8-16-85 moved in Chief cable tool and rigged up, drilled out 15' shoe joint and cleaned out 9' open hole
8-19-85 shut down due to weather
8-20-85 shut down due to weather
8-21-85 1800' fill up, 1/2 hr. test .89 bbls.,
1/2 hr. test dry
2 hr. test dry
acidized w/250 gal 15% INS 1/4 bbls., @ 750#, max load 73.5 bbls., swab down 76.86 bbls.,
1 hr. test 6.36 bbls., tr. of W
8-22-85 854' fill up, trace of water
1 hr. test 4.93 bbls., trace of water
2 hr. test 4.93 bbls., trace of water
8-23-85 Moved in Warrior double drum ran birdge plug & port collar tool set plug @ 1930', spot 2 sks. sand on plug, mix & pump approx. 400 sks. cement thru port collar. cement did circulate wash cement out of tubing and sand off plug, POH w/same

ran mud anchor	30.55
132 jts. 2 3/8" tubing	4186.55
3 - 6' subs	18.00
Total	4235.10

2 x 1 1/2 x 12 insert pump
166 3/4 rods
1 - 16' polish rod
2 - 8' pony rods
1 - 2' pony rod

8-28-85 P.O.P. 40 bbls. O no W

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