0/0
C.B.REED
HARRIS-ST.
TD. 8350'

TD. 1963'

TD. 1407'

24 19 20 21 22

TD. 65

25 30 TD. 2400 29 28 I-BA 27
TD. 2395'

0/0
TD. 8200'
HAGERMAN
S.E. FED.

DURHAM
N.N.G. FED.
0/0
TD. 8242'

TD 370'

READS-STEVENS
HARRIS-FED.
8/0

36 31 32 33 34

LAKE ARTHUR

RALPH MOOTS
0/0

SRC

CLEMENTS

NLA
NOT ON
LINE
MESA
WHITE-ST.

21/64" Ch READS-STEVENS
IP 23.2 m TOLEN-FED.
30/11

0/0
TD. 8295'

CHAVES CO.

TD. 834'

5 4 3 EDDY CO. 2 1 6

ATKA-
MRRW
16/11

20/6
NO. NAT. GAS
VANDAGRIFF
CAOF 1.57 m
CUM 181 M
6/70

25/16
CAOF 4.6 m
CUM 124 m
in 5 mos.

38/30
CAOF 42.3 m
NEW WELL

TD. 712'

MESA PET.
BAGLE-ST.
CAOF
3.5 m
CUM 608 m
12/77

11/6
TD. 8803

28/14
CAOF 3.8 m
CUM 1 BCF

14/12
CAOF
2.2 m
CUM 1.14 BCF

6/6
CAOF 407 m
NEW WELL
TD. 350'

PL 0/0?
CONT'L
NOLEN-FED.
TD. 9968'

8 9 10 11 12 7

CUM 54 m in 5 mos
CAOF
230m

21/?
CONT'L
THURMAN-FED.
TD. 10,777'

DRLD.
1950

0/0
TD. 661'

CAOF
514 m
NEW WELL

22/4
IP 700 m 1/2" Ch
CUM 314 m 11/78

10/10

16/7

6/0

TD. 661'

IP 2.3 m 1/4" Ch
16/10
NEW WELL

24/12
CAOF 227m
CUM 18 m in
5 mos.

12/7
CAOF
1.2 m
NEW WELL

DST. F/92m
8/2
TD. 9350'
SAMEDAN
CROW FLATS FED.

TD. 1485'

17 16 15 14 13 18

10/4

TD. 1885'

17/7
CAOF 3.8 m
NEW WELL
NO PROD. DATA
ATKA-MRRW

20/1

TD. 2000'

Examiner OCC
Case No. 7323
EXHIBIT NO. 4

PRODUCING - THIS ZONE

SHOW - THIS ZONE

18/13 — FEET OF SAND WITH POROSITY GREATER THAN 8%. / FEET OF CLEAN SAND

0 SCALE 1mile

PL - POOR QUALITY LOG
NLA - NO LOG AVAILABLE

SOUTHLAND ROYALTY LEASES

BARNES ET.AL. & CLEMENTS LEASES

30 DEEP WELLS
20 SUCCESSFUL DEEP WELLS
67% SUCCESS RATIO

Southland Royalty Company
SOUTHWESTERN DISTRICT
MIDLAND TEXAS

DUFFIELD AREA

MORROW GROSS SAND ISOPACH

J. BECHER SEPT-81