

SHELL
STATE HTA-1
ELEV. 4233' D.F.

SHELL
STATE HT-1
ELEV. 4234' D.F.

PAN AMERICAN
STATE CY-1
ELEV. 4226' D.F.
OLP

SHELL
STATE HTB-1
ELEV. 4228' D.F.

A' -5500'

CONTOUR DATUM
EAST HIGHTOWER UPPER PENN. PRODUCING ZONE

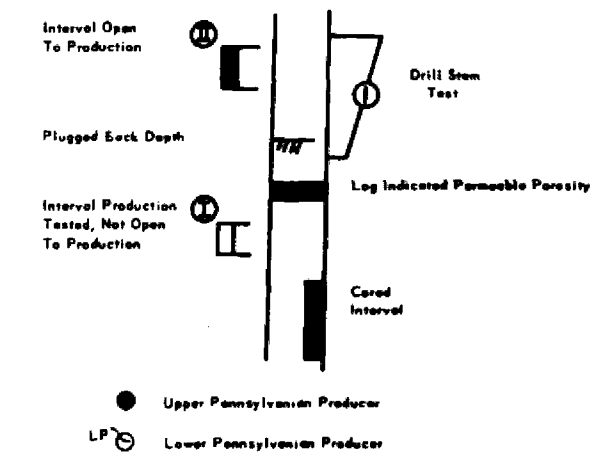
VERTICAL LIMITS
EAST HIGHTOWER FIELD
UPPER PENN.
LOWER PENN.

EAST HIGHTOWER LOWER PENN. FIELD PAY

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
EXHIBIT NO. 2-R
CASE NO. 3336

Scale
40'
100'

LEGEND



EAST HIGHTOWER FIELD
LEA COUNTY, NEW MEXICO

Correlation Section A - A'
Datum -5500' Subsea

① DST 2812 2' 23" Rec 35 BF (75% O - 25% SW)
9905 GTS 8' 90" ISIP 3316
FP 640-2125
120" FSIP 2944

CORE 10,127-227

① Perf 10,247-49; 10,281-86 AT 1000
Sub. 76 BF (5% Oil)
PB 9928

② Perf 9816-22, 28, 29, 33, 62, 63, 65, 74-77, 80-82
AT 5000
In 57% hr. sub. 98 OB - 563 BW (incl. 217 BLW)

③ In 27 hr. sub. 37 BO - 172 BW

④ In 6 hr. sub. 0 BO - 33 BW
AT 2000 (communication)
In 12 hr. sub. 0 BO - 147 BW
In 10 hr. sub. 20 BO - 104 BW

⑤ 12-65 217(P) - 187 BW R-687 4.5°

Core 9855-9905

① DST
Core 9855-9905

① DST 2853 2' 6" Flow to bits 26", to tanks 1 1/2", Rec 13% BO total, Rec 2' 6" 72 BO - 60' M
9905 GTS 3' 90" ISIP 3453
GTS 34" FP 965-2094
120" FSIP 3007

② DST 9928 70" Rec 15' M
9934 90" ISIP 120
FP 60-60
135" FSIP 75

③ DST 10,185 27" Rec 2160' HGCM (Pls. leak)
10,384 90" ISIP 3004
FP 539-498
60" FSIP failed

① Perf 9848-63 AT 300
8-65 315(14) - 2 BW R-1378 44.9°

NOTE: Depths quoted above compared to PG&C Gamma Ray-Natron Log which is 10' low
to show where Schlumberger Gamma Ray-Natron Log. Engineering data plotted on
more log corrected to account for the depth difference.

① DST 2905 3' Rec 15' 0" - 3870' SW
9997 GTS 25' 60" ISIP 3560
FP 1200-2613
60" FSIP 3362

② DST 10,200 3' Rec 18' 0" HGCO - 120' M
10,305 GTS 37' 60" ISIP 3759
FP 1175-2257
60" FSIP 3795

① Perf 10,335-342 AT 1000 Sub. dry.
PB 10,300

② Perf 10,226-252
10-65 342(14) R-1050 43°

① DST 9780 2' 19" Flow 20 BO in 40", Rev. 27 BO, Rec 113' GCM
9870 GTS 7' 90" ISIP 3046
FP 755-1344
72" FSIP 2227

② DST 10,127 1' 56" Rev 30 BO, Rec 85' G, M, WCO
10,243 GTS 17' 90" ISIP 3058
GTS 97" FP 283-994
120" FSIP 2716

① Perf 10,132-34, 10,171-74, 10,237, 38, 39, 40, 42
AT 1000 In 18 hr. sub. 69 BLW - 82 BFW w/ tr. oil
AT 1000 In 9 hr. sub. 98 BO (Communication w/ 10,227-42)
AT 1000 In 24 hr. flow 114 BO
In 17 hr. flow 2 BO
AT 2000 In 43 hr. sub. 126 BO - 19 BW
PB 9985

② Perf 9833-41 AT 1500
1-66 148(20) - 7 BW R-574 48.5°