

NORTH

SOUTH

GULF OIL CORP
LITTLEFIELD "AB" FEDERAL #4
SHUGART FIELD
2310' FNL & 660' FWL
SECTION 22, T-18-S, R-31-E
EDDY COUNTY, NEW MEXICO
KB ELEVATION 3658'

GULF OIL CORP
GULF LITTLEFIELD "AB" FEDERAL #3
SHUGART-DELAWARE FIELD
1650' FSL & 760' FWL
SECTION 22, T-18-S, R-31-E
EDDY COUNTY, NEW MEXICO
KB ELEVATION 3655'

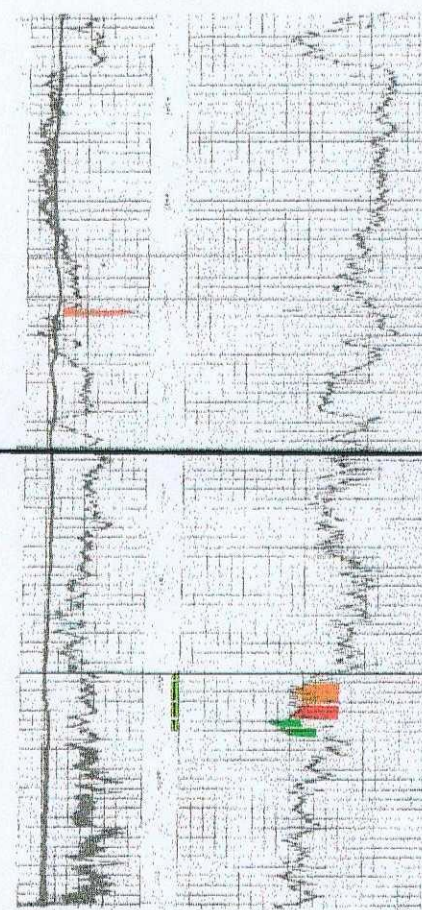
GULF OIL CORP
LITTLEFIELD "AB" FEDERAL #1
SHUGART FIELD
660' FSL & 660' FWL
SECTION 22, T-18-S, R-31-E
EDDY COUNTY, NEW MEXICO
KB ELEVATION 3657'

PAN AMERICAN PETROLEUM CORP
GREENWOOD UNIT #4
SHUGART FIELD
660' FNL & 660' FWL
SECTION 27, T-18-S, R-31-E
EDDY COUNTY, NEW MEXICO
KB ELEVATION 3655'

PAN AMERICAN PETROLEUM CORP
C.E. HINKLE #1
SHUGART-DELAWARE FIELD
1650' FNL & 660' FWL
SECTION 27, T-18-S, R-31-E
EDDY COUNTY, NEW MEXICO
KB ELEVATION 3642'

RICKS EXPLORATION INC
PRINCIPLE FEDERAL #1
SHUGART - DELAWARE FIELD
990' FNL & 1650' FWL
SECTION 27, T-18-S, R-31-E
EDDY COUNTY, NEW MEXICO
KB ELEVATION 3657.5'

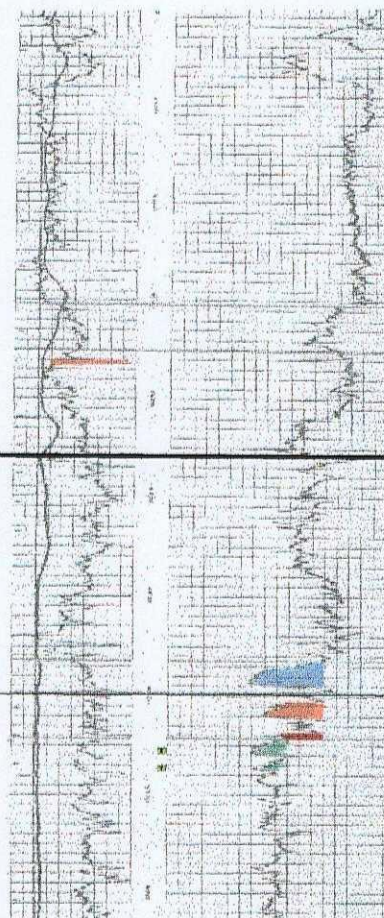
A



COMPLETED 7/1/66

P/ 4939' - 4949' (Gross) DLWR
4939' - 41'; 4947' - 49'; 4939' - 41'; 4947' - 49'
A/ 250 gal + F/ 3000 gal + 3000# sand
IP/P 25 BOPD + 41 BWPD

DLWR CUMULATIVE PRODUCTION
7/66 - 2/2003 (ACTIVE)
84.6 MBO + 76.7 MMCFG + 72.1 MBW



COMPLETED 4/19/66

P/ 4954' - 4974' (Gross) DLWR
4954' - 56'; 4972' - 74'
A/ 250 gal + F/ 6000# sand
IP/P 36 BOPD + 25 BWPD

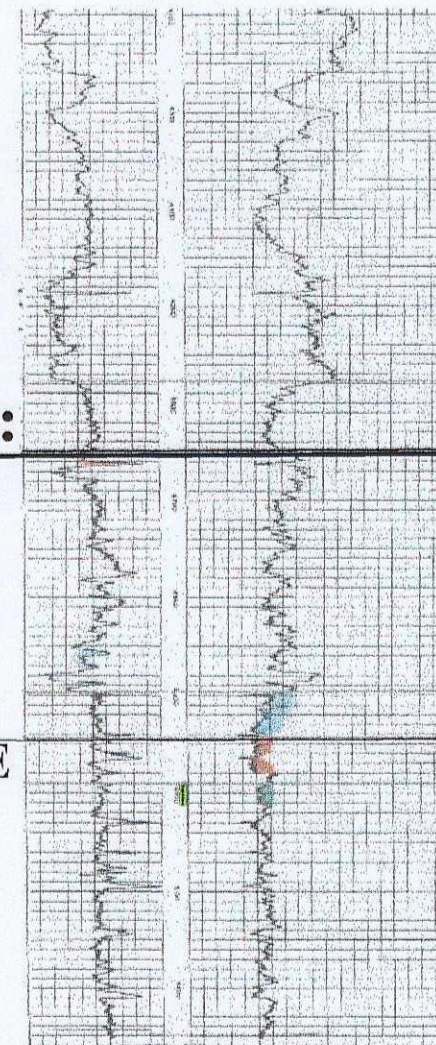
DLWR CUMULATIVE PRODUCTION
4/66 - 2/2003 (ACTIVE)
277.4 MBO + 297.3 MMCFG + 65.2 MBW

TOP OF

DATUM:
-1000'

DELAWARE

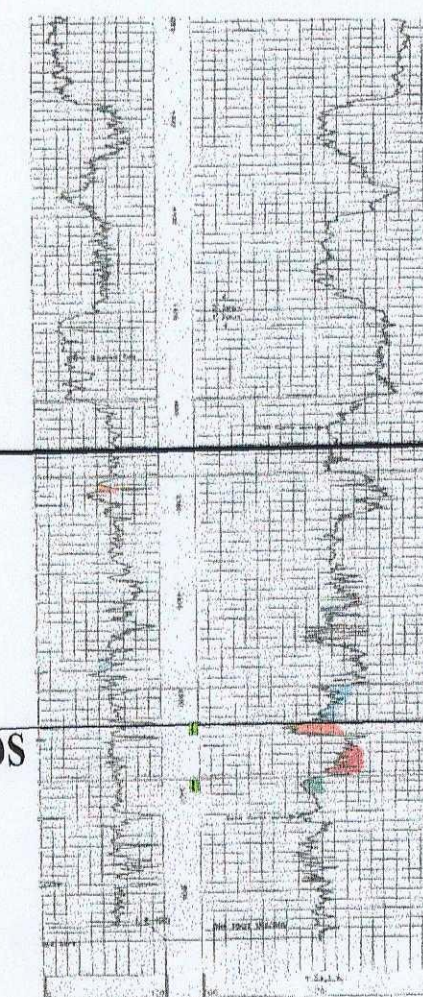
PAY SANDS



COMPLETED 12/31/58

P/ 4992' - 5010'
A/ 500 gal + F/ 5000# sand
IP/ F/ 63 BOPD

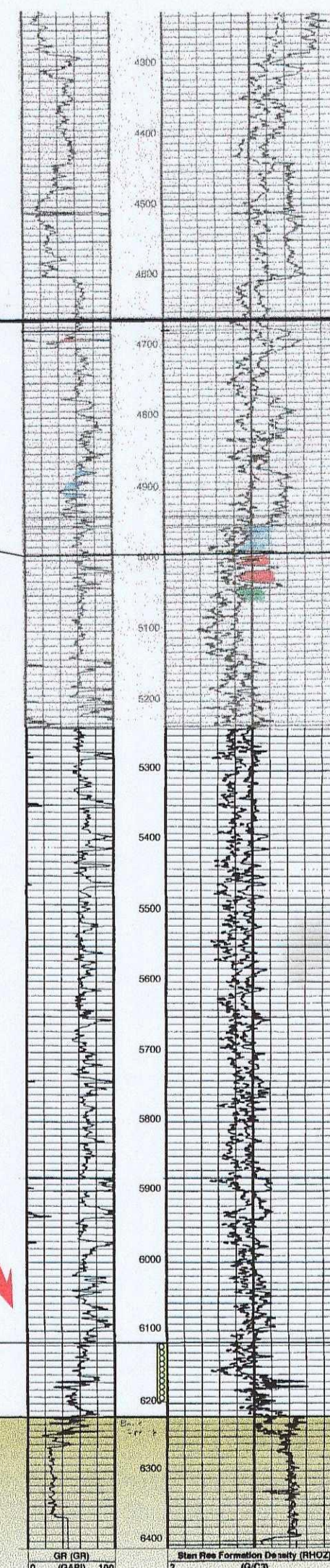
CUMULATIVE PRODUCTION
12/58 - 2/2003 (ACTIVE)
474 MBO + 610 MMCFG + 77 MBW



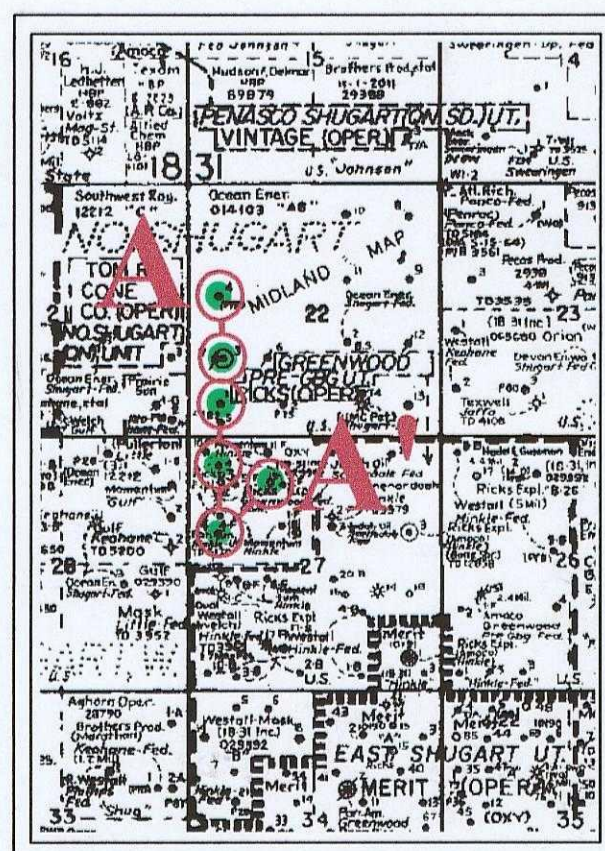
COMPLETED 9/30/63

P/ 4986' - 4997'
A/ 500 gal + F/ 6000 gal + 12000# sand
IP/ F/ 88 BOPD + 2 BWPD

CUMULATIVE PRODUCTION 9/63 - 3/2003 (ACTIVE)
320 MBO + 262 MMCFG + 36 MBW



A'



DISCOVERY WELL
IN SHUGART
DELAWARE
FIELD

COMPLETED 12/2/58

P/ 4970' - 5010' DLWR
A/ 500 gal + F/ 8000 gal sand
IP/ F/ 382 BOPD

CUMULATIVE PRODUCTION
12/58 - 2/2003 (ACTIVE)
501 MBO + 435 MMCFG + 57.4 MBW

NEWLY COMPLETED
WELL IN SHUGART
DELAWARE
FIELD
COMPLETED 5/20/03

P/ 6120' - 6194'
F/ 37,999 gal + 05,000# sand
IP/P 205 BOPD + 81 MCF +
59 BWPD

TOP OF LOWER DELAWARE PAY SANDS

TOP OF BONE SPRING

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Case No. 13108 Exhibit No. 3
Submitted by:
CONCHO EXPLORATION, INC.
Hearing Date: July 24, 2003

CONCHO RESOURCES INC
MIDLAND, TEXAS

SHUGART PROSPECT
EDDY COUNTY, NEW MEXICO

STRUCTURAL
CROSS - SECTION

A-A'

Geologist: James Turbyfill / mmh Date: 7/2003
Scale: 1" = 100' File: XSEC/SHUGSHAL.CVS