

Energien
Langlie Lynn Queen Unit #20
Sec. 22-T23S-R36E
KB: 3406'

Shell Oil
Langlie Lynn Queen Unit #10
Sec. 22-T23S-R36E
KB: 3406'

El Paso
Shell State #3
Sec. 22-T23S-R36E
KB: 3383'

Energien
Langlie Lynn Queen Unit #9
Sec. 22-T23S-R36E
KB: 3379'

Energien
Langlie Lynn Queen Unit #8
Sec. 23-T23S-R36E
KB: 3379'

Energien
Langlie Lynn Queen Unit #7
Sec. 23-T23S-R36E
KB: 3385'
Grackle #6 State 'A'

DATUM: +400

Top Yates

Top Seven Rivers

1991
frac: 21,000 gal CO₂
77,000 #

DS: 3315'-3426'
GIS @ 500 MCFG
30" SP 1315#
REC: 360' GCXW

Top Queen

1999
Perf: 3512'-3608'
A/5000

PERF: 3588'-3714'
400 GAL ACID
SF 30,000 GAL WTR
48,000 #SD

C 3600' - 3650'
DOLO & SD SSO, FRAC
C 3650' - 3679'
SD & DOLO SO
C 3679' - 3700'
SD & DOLO SO

C 3488' - 3538'
DOLO SSO

PERF: 3535'-3673'
SF 20,000 GAL WTR
28,000 #SD

C 3538' - 3589'
DOLO & SD SSO

C 3589' - 3639'
DOLO & SD SSO

C 3639' - 3691'
DOLO & SD SSO

C 3500' - 3575'
DOLO SSO

OWMO: 1999
PERF: 3510' - 3600'
4500 GAL ACID
SWB & BF/HR (10% OIL)

C 3575' - 3650'
DOLO & SD SSO

PERF: 3608' - 3658'
750 GAL ACID
SF 20,000 GAL WTR
30,000 #SD

C 3650' - 3725'
DOLO & SD SSO

C 3725' - 3800'
DOLO & SD SSO

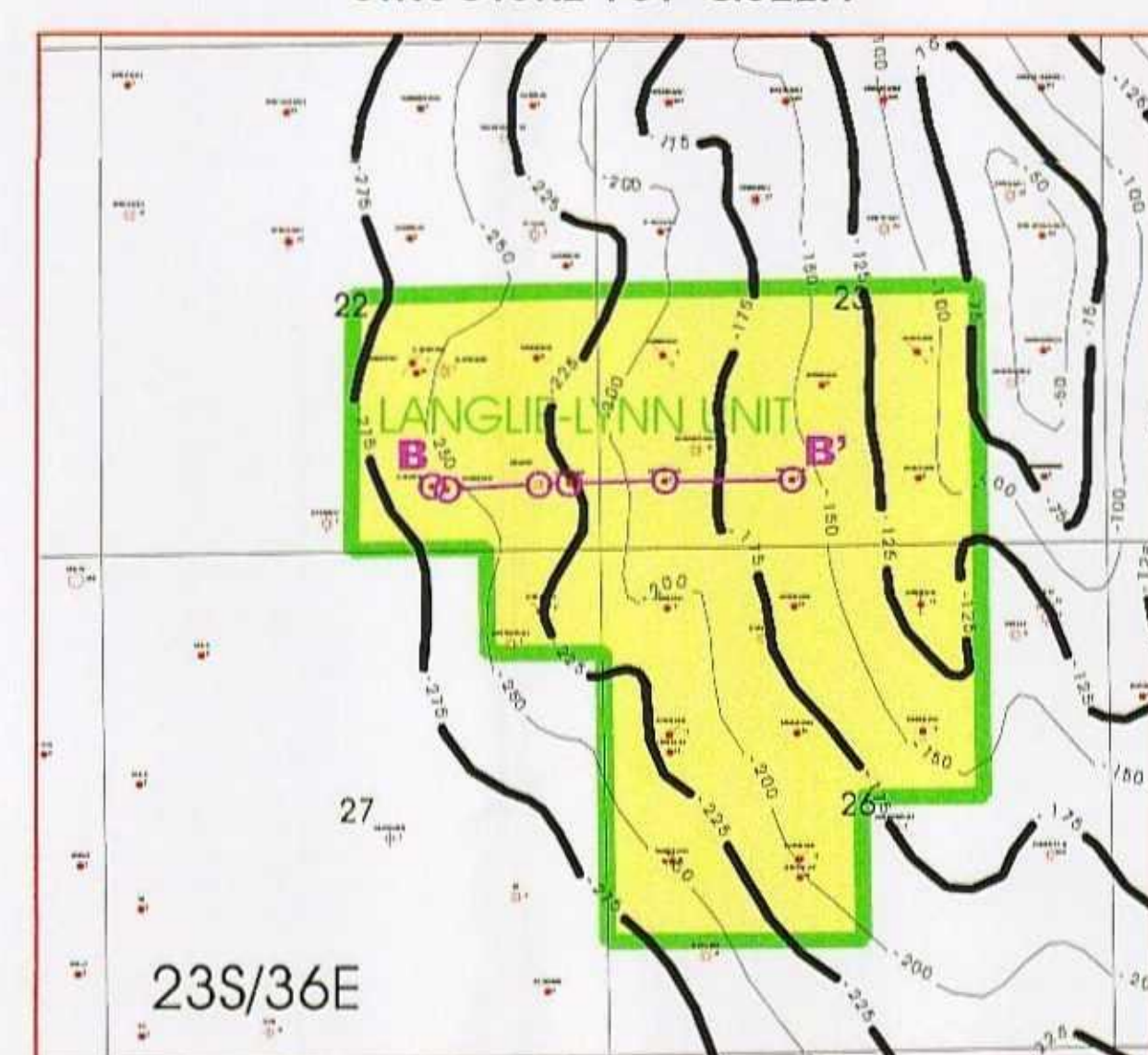
TOP 3448'

100' ABOVE QUEEN

Top Queen 3548'

UNITIZED INTERVAL

BASE 3710'

INDEX MAP
STRUCTURE TOP QUEEN

COMP: April 2000
IP: 1 BOPD & 69 BWPD & 23 MCFGPD
GOR: 23,000.1 GTY: 34.2 DEG

COMP: June 1963
IP: 134 BOPD & 79 BWPD
20164' CK @ 250#
GOR: 4328.1 GTY: 34.2 DEG

COMP: April 1963
IP: 157 BOPD
20164' CK @ 230#
GOR: 1210.1 GTY: 37.3 DEG

COMP: February 1963
IP: 168 BOPD
22164' CK @ 60#
GOR: 1780.1 GTY: 34.3 DEG

COMP: DECEMBER, 1962
IP: 112 BOPD
24164' CK @ 240#
GOR: 1280.1 GTY: 34 DEG

ENERGEN
RESOURCES
LANGLIE LYNN QUEEN UNIT
LANGLIE MATIX FIELD
LEA COUNTY, NEW MEXICO
STRUCTURAL
CROSS SECTION B - B'

Drawn by: Cheryl Sweet
DATE: AUGUST, 2003

Vertical: 1" = 40'
GEOLOGY: D. W. CROWNE