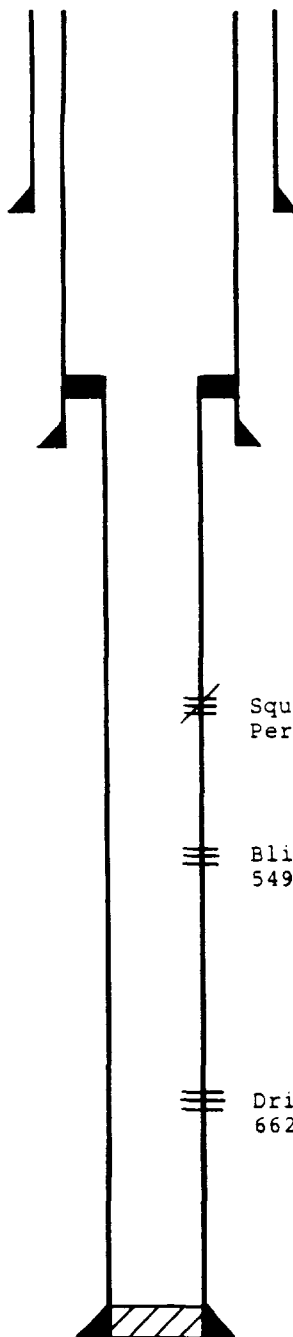


WELL DATA SHEET

Chevron

LEASE W.A. Ramsay NCT-B WELL NO. 3 FIELD Blinebry/Drinkard DATE 11/1/86LOCATION 330 FEET FROM N LINE AND 330 FEET FROM E LINESECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

GE: 3491 '
 KDB to GE 11 '
 DF to GE 10 '

13 3/8" OD lbs.
 Surf. Pipe set at
362' w/ 350 sx
 cmt. Circ? Yes

9 5/8" OD 36 lbs.
8rd Thd Gr J-55
 ST&C Csg set at
3678' w/ 375 sx
 Cmt. Circ? No
 TOC at 2210' by
 TS

Squeezed Paddock
 Perfs 5159-5169'

Blinebry Perfs
 5492-5784'

Drinkard Perfs
 6625-6654'

7 " OD
 Gr J-55
23 # Liner set
 @ 3551-6669' w/
659 sx Cmt.
 TOC @ 3551 by TS
 Circ.

Date Completed 7-31-63Initial Formation DrinkardFROM: 6625 TO: 6654Initial Production 194 BOPD 15 BWPD
206 MCFPD 1062 GOR

Completion Data:

7/23/63 - Perforate Drinkard @ 6625,
6645 & 6654 w/ 6 3/4" SPF. Acidize w/
300 gal. 15% gel ret. acid.

Subsequent Workover or Reconditioning:

8/12/63 - Perforated Paddock @ 5159-
5169 w/ 2, 1/2" SPF. Acidized w/ 500
 gal 15% NE Acid. Paddock potential
135 BOPD + 1 BWPD + 56 MCFGPD. 415 GOR

2/7/64 - Put Drinkard on pump.

2/3/69 - Acidized Paddock perfs w/
1500 gal. 28% NE acid. Before: 37 BOPD
 + 2 BWPD. After: 70 BOPD + 53 BWPD.

3/7/72 - Abandoned Drinkard. Per-
 forated Blinebry 5492-96, 5516-20,
5600-04, 5630-34, 5736-40, & 5780-84.
 Acidize w/ 500 gal 15% NE. Frac'd w/
40000 gal. GBW and 0-3 PPG 20-40 sd.
 Blinebry Potential: 25 BOPD + 74 BWPD.
33100 GOR. Dual Blinebry and Paddock.

9/1/86 - Squeeze Paddock, re-entered
 and treated Drinkard w/ 500 gal. 15%
 NEFE HCL. Acid-frac'd w/ 1500 gal. 20%
 DGA w/ 30% CO₂. Dualized Drinkard and
 Blinebry.

4/87 - Blinebry & Drinkard commingled.

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:

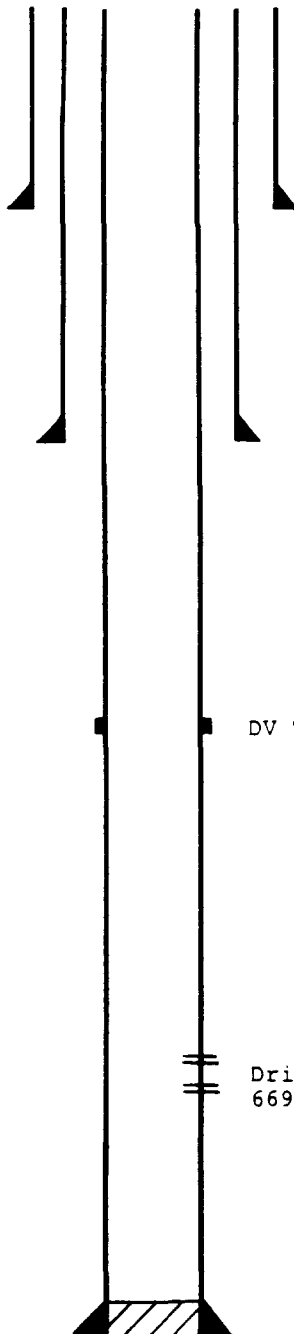
Liner in 8 3/4" hole.

Had to perf 3653 and squeeze to get
 good cement at base of intermediate.

PBD 6670 'TD 6700 '

WELL DATA SHEET

Chevron

LEASE W.A. Ramsay NCT-B WELL NO. 8 FIELD Drinkard DATE 11.1.88LOCATION 905 FEET FROM N LINE AND 990 FEET FROM E LINESECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

GE: 3515 '
 KDB to GE 13 '
 DF to GE 12 '

11 3/4" OD 42 lbs
 Surf. Pipe set @
385 w/ 275 sx
 cmt. Circ? Yes

8 5/8" OD lbs.
 Thd Gr K-55
24&32# Csg set at
2690 w/ 600 sx
 Cmt. Circ? Yes
 TOC at by
 TS

DV Tool at 4485'

Drinkard Perfs
 6690-6721'

5 1/2 " OD
Gr K-55
15.5# Csg set @
6850 w/ 1075 sx
 Cmt. Circ? No
 TOC @ 1400 by TS

Date Completed 3/22/85
 Initial Formation Drinkard
 FROM: 6690 TO: 6721
 Initial Production 27 BOPD 70 SWPD
64 MCFPD 23 GOR

Completion Data:
3/5/85 - Perforate 6690-94, 6706-10 &
6717-21. Breakdown w/ 300 gal 15% NEFE
 acid.

3/7/85 - Acidized w/ 4000 gal. 15%
 NEFE w/ 48 balls.

Subsequent Workover or Reconditioning:

Present Prod. BOPD BOPD
 MCFPD GOR
 Date

Remarks or Additional Data:

PBD 6804 'TD 6850 '

WELL DATA SHEET

Chevron

LEASE Graham State NCT-J WELL NO. 1 FIELD Penrose Skelly DATE 11/1 88LOCATION 660 FEET FROM N LINE AND 1650 FEET FROM E LINESECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

GE: 3518 '
 KLB to GE 10 '
 DF to GE _____

8 5/8" OD 24 lbs.
 Surf. Pipe set @
1312 w/ 450 sx
 cmt. Circ? Yes

Date Completed 2-2-69Initial Formation GrayburgFROM: 3725 TO: 3797Initial Production 42 BOPD 62 BWPD
NM MCFPD NA GOR

Completion Data:

2/4/69 - Perforate Paddock 5201-15'.
 Acidize w/ 500 gal. 15% NE acid. Set
 CIBP at 5150. Perforate Grayburg
3725-27, 3764-66, & 3795-97. Acidized
 w/ 500 gal. 15% NE acid. Frac'd w/
20,000 gal. GBW w/ 0-2 ppg sand.

Subsequent Workover or Reconditioning:

5/69 - Equip to pump.

10/80 - Dump acid w/ 1000 gal. 15%
 NEFE. Before: 2 BO + 4 BW. After: 6 BO
 + 23 BW.

Grayburg Perfs
3725-3797

CIBP @ 5150

Paddock Perfs
5201-15'

4 1/2 " OD
 Gr J-55
 11.6# Csg set @
5270 ' w/ 575 sx
 Cmt. Circ? No
 TOC @ 2355 by TS

Present Prod. _____ BOPD _____ BWPD _____
 _____ MCFPD _____ GOR _____
 _____ Date _____

Remarks or Additional Data:

PBD 5150 'TD 5270 '

WELL DATA SHEET

Chevron

LEASE W.A. Ramsay NCT-B WELL NO. 2 FIELD Eumont DATE 11/1/88LOCATION 1980 FEET FROM N LINE AND 660 FEET FROM W LINESECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

GE: 3555 '
 KDB to GE 6.8 '
 DF to GE '

Date Completed 11/18/44
 Initial Formation Grayburg
 FROM: 3746 TO: 3855
 Initial Production 180 BOPD 0 BWPD
270 MCFPD 1500 GOR

Completion Data:
10/31/88 - Acidized w/ 2000 gals.

9 5/8" OD lbs.
 Surf. Pipe set @
295 w/ 175 sx
 cmt. Circ? Yes

Subsequent Workover or Reconditioning:

1/45 - Ran gas packer to 3823 to shut
 off water. Would not flow.

6/18/51 - Set retainer @ 3736.
 Squeezed 3735-3855'. Cap w/ 5' cmt.
 Perforated 3530-80' and 3630-3720'.
 Recomplete to Eumont, 1P-900 MCFPD.

11/29/51 - Acidized Eumont w/ 500 gal.
 Before: 900 MCFPD After: 3.8 MMCFPD

3/11/77 - Acidized w/ 1000 gals. 15%
 Before: 470 MCFPD After: 490 MCFPD

Eumont Perfs
3530-3580'

3630-3720'

cmt retainer @ 3736'

5 1/2" OD
 Gr H
14 # Csg set @
3746 ' w/ 200 sx
 Cmt. Circ? No
 TOC @ 1533 by T8
 Calc

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
5 1/2 in 6 3/4" hole.

PBD 3731 '

TD 3855 '

WELL DATA SHEET

Chevron

LEASE W.A. Ramsay NCT-B WELL NO. 1 FIELD Eumont DATE 11/1/88LOCATION 1980 FEET FROM N LINE AND 1980 FEET FROM W LINESECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

GE: 3553 '
 KDB to GE 11 '
 DF to GE '

Date Completed 8/31/44
 Initial Formation Arrowhead
 FROM: 3747 TO: 3860
 Initial Production 504 BOPD 0 BWPD
620 MCFPD 1230 GGR

Completion Data:
 OH completion, no treatment.

9 5/8" OD lbs.
 Surf. Pipe set @
311 w/ 250 sx
 Cmt. Circ? Yes

Casing leak 1047-80'
 Squeezed w/ 500 sxs

Eumont Perfs
 3414-3644'

CIBP @ 3715'

5 1/2" OD
 Gr H
14 # Csg set @
3747 ' w/ 250 sx
 Cmt. Circ? No
 TOC @ 2562 by TS

Subsequent Workover or Reconditioning:

5/9/45 - Acidized w/ 1000 gals. 15%
 acid.

5/19/70 - 500 gal. 15% NE dump acid.

7/10/71 - 500 gal. 15% NE dump acid.

3/20/73 - Frac'd w/ 20,000 gals. &
 30,000 #s 20-40 sand. Pumped 187 BW,
 NU oil. CI well.

2/9/77 - Set CIBP @ 3715'. Found hole
 in casing @ 1080'. Squeeze w/ 500 sxs
 cmt (100 sxs in formation). Perf
 Eumont at 3414-16', 3473-75', 3524-26'
 3556-58', 3642-44'. Broke down perfs
 w/ 500 gals. acid. Acidized w/ 1700
 gals. Frac treated w/ 30,000 gals. GBW
 w/ 0-2 PPG sand. Potentialled at 958
 MCFGPD.

Present Prod. BOPD BWPD
 MCFPD GGR
 Date

Remarks or Additional Data:

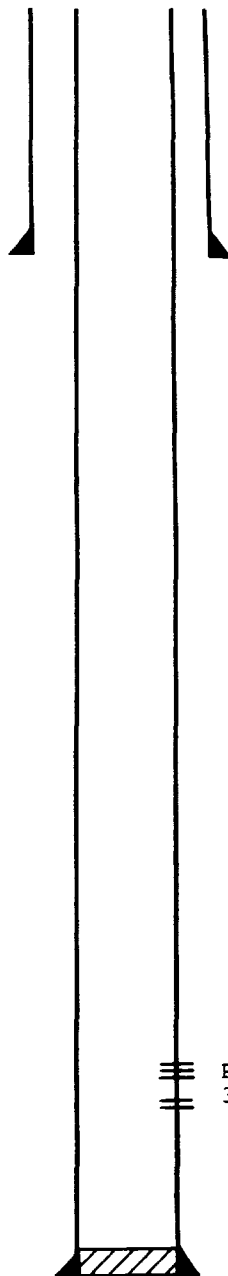
5 1/2" - 7 7/8" hole

PBD 3715 '

TD 3860 '

WELL DATA SHEET

Chevron

LEASE W.A. Ramsay NCT-B WELL NO. 5 FIELD Penrose Skelly DATE 11-1-88LOCATION 2105 FEET FROM N LINE AND 1650 FEET FROM E LINESECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

GE: 3528 '
 KDB to GE 9 '
 DF to GE 8 '

8 5/8" OD lbs.
 Surf. Pipe set @
302 w/ 380 sx
 cmt. Circ? Yes

Penrose Perfs
 3730-3796'

4 1/2 " OD
 Gr K-55
11.6# Csg set @
3897 ' w/ 390 sx
 Cmt. Circ? No
 TOC @ 2000 by TS

Date Completed 11-12-69Initial Formation GrayburgFROM: 3730 TO: 3794Initial Production 137 BOPD 6" BWPD
NM MCFPD NM GOR

Completion Data:

Perf Grayburg 3730-32', 3768-70',
3794-96', treated w/ 500 gals. Frac'd
 w/ 5000 gals. GBW + 15000 # sand.

Subsequent Workover or Reconditioning:

4/7/78 - Install pumping equipment.9/10/80 - Dumped 1000 gals. 15% acid.

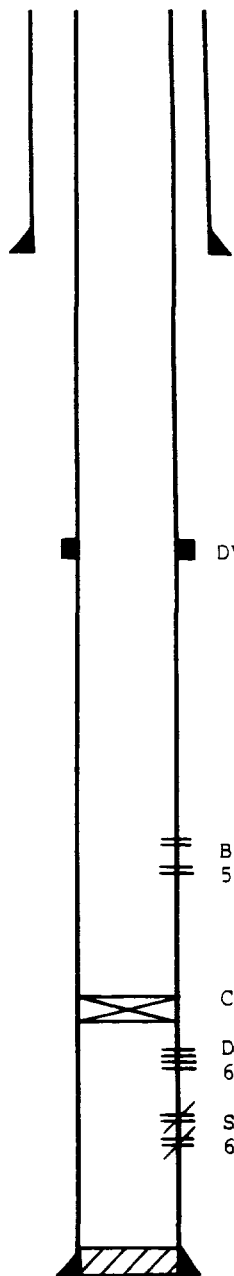
Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:

PBD 3855 'TD 3900 '

WELL DATA SHEET

Chevron

LEASE W.A. Ramsay NCT-B WELL NO. 7 FIELD Blinebry DATE 11-1-88LOCATION 2310 FEET FROM N LINE AND 1900 FEET FROM E LINESECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

GE: 3535 '
 KDB to GE 16 '
 DF to GE 15 '

8 5/8" OD lbs.
 Surf. Pipe set @
1244 w/ 575 sx
 cmt. Circ? Yes

DV Tool at 3050'

Blinebry Perfs
 5546-5787'

CIBP @ 6500'

Drinkard Perfs
 6718'-6720'

Squeezed Drinkard Perfs
 6550-6758'

5 1/2 " OD
 Gr K-55
 15.5# Csg set @
6850 ' w/ 2300 sx
 Cmt. Circ? Yes
 TOC @ by TS

Date Completed 6-18-77
 Initial Formation Blinebry
 FROM: 5546 TO: 5787
 Initial Production 60 BOPD 4 BWPD
NM MCFPD NM GOR

Completion Data:
 Perf Drinkard 6550-52', 6598-6600',
 6642-44', 6718-20', 6756-58'. Broke
 down and treated perfs w/ 3700 gals.
 15% acid. Test. Squeezed perfs 6718-58
 w/ 110 sxs cmt. Reperf 6718-20'.
 Acidized all perfs w/ 2250 gals.
 Frac'd w/ 7000 gal. GBW and 39500 #'s
 20/40 sand. Set CIBP @ 6500'.

6/17/77 - Perf Blinebry 5546-48',
 5574-76', 5666-68', 5712-14', & 5785-
 87'. Acidized w/ 3800 gals. 15% NEA.
 Frac'd w/ 7000 gals. GEW + 32000 #'s
 sand.

Subsequent Workover or Reconditioning:

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:

PBD 6500 'TD 6850 '

WELL DATA SHEET

A6, 107

Chevron

LEASE W.A. RAMSAY NCT-B WELL NO. 4 FIELD Penrose Skelly DATE 11/7/68LOCATION 1650 FEET FROM N LINE AND 330 FEET FROM E LINESECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

GE: 3511 '
 KDB to GE 14 '
 DF to GE 11 '

8 5/8" OD lbs.
 Surf. Pipe set @
1310 w/ 575 sx
 cmt. Circ? Yes

Date Completed 2/7/66
 Initial Formation Paddock
 FROM: 5174 TO: 5184
 Initial Production 42 BOPD 1 BWPD
NM MCFPD NM GOR

Completion Data:
 Perf Paddock 5174-5184'. Acidize w/
500 gals. 15% NE acid.

Subsequent Workover or Reconditioning:

9/67 - Acidized Paddock Perfs w/ 2000
 gals. 28%.

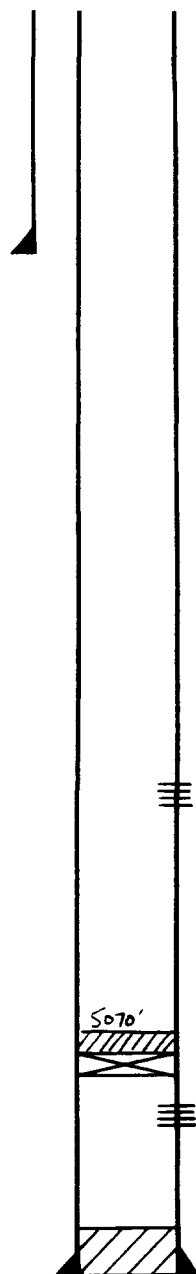
3/69 - Set CIBP @ 5100', Capped w/ 2
 sx cmt. Perf Grayburg 3718-20',
3760-62', & 3787-89'. Acidized w/ 500
 gals. 15% NEA. Frac'd w/ 20,500 gals.
 GBW & acid and 41,640 #s sand. IP:
 flowed 102 BOPD on 25/64" choke.

6/69 - Install pumping equipment.

8/80 - Repair tbq. leak and dump 1000
 gals. acid.

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:



Penrose Perfs
3720-3789'

CIBP at 5100'

Paddock Perfs
5174-5184'

4 1/2" OD
 Gr J-55
11.6# Csg set @
5224 ' w/ 445 sx
 Cmt. Circ? No
 TOC @ 1960 by TS

PBD 5100 '

TD 5225 '

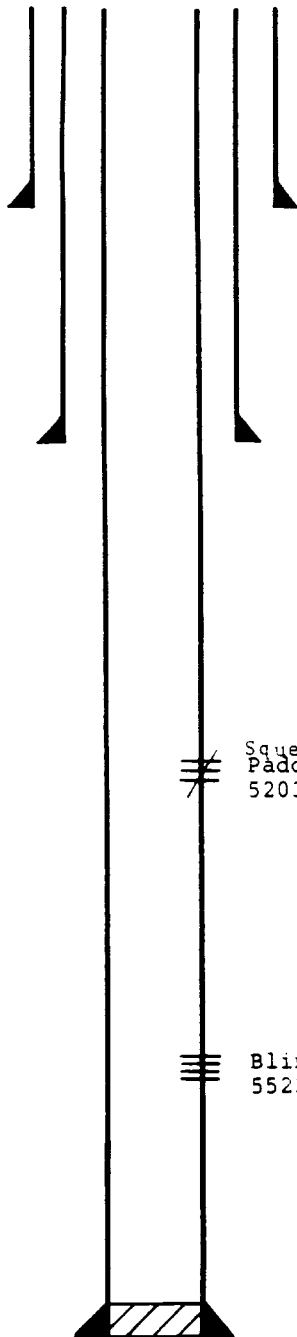
LEASE W.A. Ramsay NCT-B WELL NO. 6 FIELD Blinebry/Drinkard DATE 11/7/88

SECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

TD 6822

WELL DATA SHEET

LEASE Chevron Moore WELL NO. 1 FIELD Blinebry DATE 12/2/88
 LOCATION 1980 FEET FROM S LINE AND 410 FEET FROM E LINE
 SECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3524 '
 KDB to GE '
 DF to GE '

12 3/4" OD lbs.
 Surf. Pipe set @
305 w/ 250 sx
 cmt. Circ? Yes

8 5/8" OD
 # Csg set at
2660 ' w/ 250 sx
 Cmt. Circ? No
 TOC at 1751 ' by
TS Calc

Squeezed
 Paddock Perfs
 5203'-5207'

Blinebry Perfs
 5522'-5920'

5 1/2" OD
 Gr K-55
15.5# Csg set @
6000 ' w/ 450 sx
 Cmt. Circ? No
 TOC @ 3030 by TS

Date Completed 7/31/70
 Initial Formation Blinebry
 FROM: 5522 TO: 5920
 Initial Production 113 BOPD Tr BOPD
nm MCFPD nm GOR

Completion Data:
 Perf Paddock 5203-5207 and Blinebry
 5522-5920'. Acidize Paddock w/500
 gals. Fraced Blinebry w/33,000 gals
 & 27,500 lbs. sand. Left Paddock SI

Subsequent Workover or Reconditioning:
7/72 - Fraced Blinebry w/62,250 gals
 & 90,000 lbs. sand. Squeezed
 Paddock perfs. Test Squeeze
 to 1500 psi

Present Prod. BOPD SWPD
 MCFPD GOR
 Date

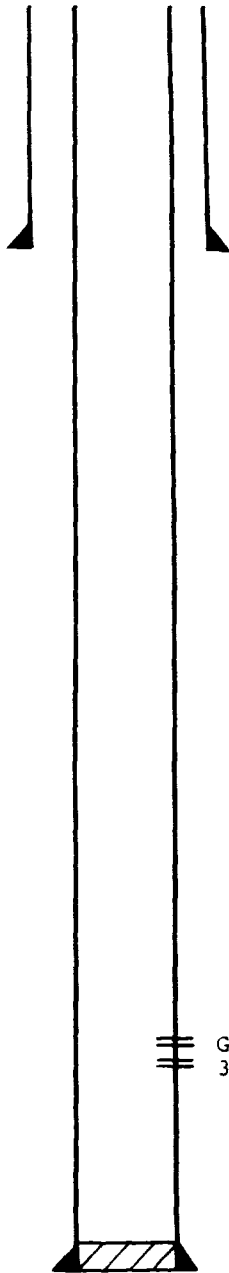
Remarks or Additional Data:
5 1/2 in 7 7/8" hole
8 5/8 in 11" hole

PBD 5994 '

TD 6000 '

WELL DATA SHEET

LEASE Chevron Sandy WELL NO. 1 FIELD Penrose Skelly DATE 12/2/88
 LOCATION 2310 FEET FROM S LINE AND 800 FEET FROM E LINE
 SECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3526 '
 KDB to GE 10 '
 DF to GE '

8 5/8" OD lbs.
 Surf. Pipe set @
315 w/ 150 sx
 cmt. Circ? Yes

Grayburg Perfs
 3726'-3818'

5 1/2" OD
 Gr J-55
 15.5# Csg set @
3899 ' w/ 180 sx
 Cmt. Circ? No
 TOC @ 2939 by TS
Calc

Date Completed 12/17/71
 Initial Formation Grayburg
 FROM: 3726 TO: 3818
 Initial Production 94 BOPD 124 BWPD
85 MCFPD 905 GCR

Completion Data:
 Perf 3726-3818
 Fraced w/ 40,000 gals GEW and 60,000
 lbs. sand.

Subsequent Workover or Reconditioning:

Present Prod. BOPD BWPD
 MCFPD GCR
 Date

Remarks or Additional Data:
5 1/2" in 7 7/8" hole

PBD 3883 '

TD 3899 '

LEASE Chevron Kingwood WELL NO. 1 FIELD Paddock DATE 12/2/88
LOCATION 1780 FEET FROM S LINE AND 1650 FEET FROM E LINE
SECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

Completion Data:

Original TD = 6000'
Perf Blinebry 5534-5943'
Acidized w/3000 gals. 153
Fraced w/78,540 gals & 58,500 #'s
20/40 sd.

Subsequent Workover or Reconditioning:
6/72 - Fraced Blinbry w/62,000 gals
& 90,000 #'s sd.

5/75 - Squeezed Blinebry. Deepened
to 6890'. Ran 3 1/2" liner
from 5959 to 6890' w/50 sxs.
Perforate Drinkard 6636 -
6784'. Acidized w/6000 gals.
Fraced w/22,400 gals & 3300
#'s sand.

9/85 - Set CIBP @ 5230'. Perf
Paddock 5128-54'. Acidize w.
8000 gals.

CIBP @ 5230'

Squeezed Blinebry Perfs
5534'-5943'

5 1/2" OD
Gr K-55
15 1/2 & 17# Csg set @
5998' w/ 450 sx Rema
Cmt. Circ? No 5
TOC @ 3060 by TS 3

Present Prod. _____ BOPD _____ BWPD _____
 _____ MCFPD _____ GOR _____
 _____ Date _____

Remarks or Additional Data:

5 1/2 in 7 7/8" hole
3 1/2 in 4 3/4" hole
3 5/8 in 11" hole

3 1/2" OD Liner @
5959'-6890' w/ 50 sxs.

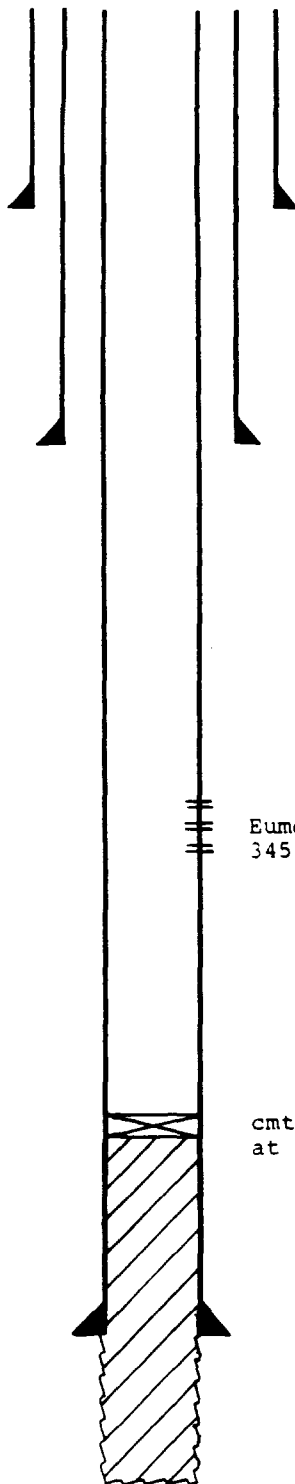
Drinkard Perfs
6636'-6784'

PBD 5230

TD 6890

WELL DATA SHEET

LEASE Arco J.M. Brownlee WELL NO. 1 FIELD Eumont DATE 12/2/88
 LOCATION 2310 FEET FROM S LINE AND 2310 FEET FROM W LINE
 SECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3547 '
 KDB to GE '
 DF to GE '

15 1/2" OD lbs.
 Surf. Pipe set @
255 w/ 300 sx
 Cmt. Circ? N/A
 TOC = surf by Calc

10 3/4" OD
45# Csg set at
1349 ' w/ 500 sx
 Cmt. Circ? N/A
 TOC at Surf ' by
 PS Calc

Eumont Perfs
 3455'-3657'

cmt. retainer
 at 3693'

7 " OD
 Gr
24 # Csg set @
3730 ' w/ 300 sx
 Cmt. Circ?
 TOC @ 1886 by PS
 Calc

Date Completed 8/20/36
 Initial Formation Grayburg
 FROM: 3730 TO: 3867
 Initial Production 118 BOPD 0 SWPD
 nm MCFPD nm GOR

Completion Data:
 Shot open hole 3792-3867 w/ 8000 gals

Subsequent Workover or Reconditioning:
8/38 - Acidized w/5000 gal XR acid

6/40 - Plugged back to 3832 to shut
 off water

2/54 - Plugged back to 3825 w/hydro-
 mite. Fraced w/6000 gals
 oil & 6000 #'s sand

8/76 - Squeezed Grayburg below re-
 tainer at 3693' w/200 sxs.
 Perf Eumont 3455-3657.
 Acidized w/1500 gals.
 Fraced w/30,000 #'s in 13,000
 gals.

Present Prod. BOPD SWPD
 MCFPD GOR
 Date

Remarks or Additional Data:

7" in 8 3/4" hole

15 1/2" in 18" hole

10 3/4" in 12 1/4" hole

PBD 3693 '

TD 3867 '

• 4

8 5/8" OD 28 lbs.
Surf. Pipe set @
295 w/ 175 sx
cmt. Circ? 11/4
Tot 2 Surf by conc

Repaired casing leaks
252'-450' & 824'

CIBP @ 3600'
5 1/2" OD
 Gr
15 # Csg set @
3691' w/ 300 sx
 Cmt. Circ?
 TOC @ 372 by ~~TS~~
 Calc

Completion Data:
Acidized CH w/ 4500 gallons

12/82 - Repaired wellhead

Remarks or Additional Data:
5 1/2 in 6 3/4" hole.

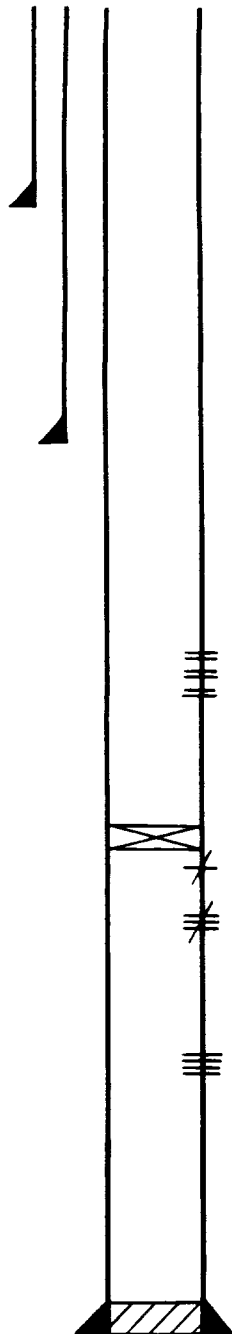
TD 3800

LEASE Arco J.M. Brownlee WELL NO. 5 FIELD Blinebry DATE 12/2/88
LOCATION 660 FEET FROM S LINE AND 2310 FEET FROM W LINE
SECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

TD 6002

WELL DATA SHEET

LEASE Chevron Kingwood WELL NO. 2 FIELD Undesignated DATE 12/2/88
 LOCATION 660 FEET FROM S LINE AND 1650 FEET FROM E LINE
 SECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3525 '
 KDB to GE '
 DF to GE '

12 3/4" OD lbs.
 Surf. Pipe set @
316 w/ 375 sx
 cmt. Circ? Yes

8 5/8" OD
 # Csg set at
2670 ' w/ 320 sx
 Cmt. Circ? Yes
 TOC at ' by
 TS

Grayburg Perfs
 3713'-3916'

CIBP @ 4026'
 Squeezed hole @ 5041'
 w/ 100 sxs.
 Squeezed Paddock Perfs
 5206'-5215'

Blinebry Perfs
 5539'-5928'

5 1/2" OD

Gr
15.5 & 17# Csg set @
6000 ' w/ 800 sx
 Cmt. Circ? No
 TOC @ 900 by CBL

Date Completed 2/15/72
 Initial Formation Blinebry
 FROM: 5539 TO: 5928
 Initial Production 125 BOPD 35 BWPD
 nm MCFPD nm GOR

Completion Data:
 Perf Blinebry 5539-5928. Acidize w/
 2000 gals. Frac w/ 70,000 gal &
 88,200 # sd. Perf Paddock 5206-5215.
 Acidize w/2500 gals. Frac w/ 112,600
 gals. oil & 100,000 #'s sand. Srd
 Paddock. Squeeze hole at 5041 w/ 100
 sx.

Subsequent Workover or Reconditioning:

6/88 - Set CIBP @ 4026
 Perf Grayburg 3766 - 3755
 Acidize w/1500 gals. Perf
 3713-3738. Set RBP @ 3756.
 Acidize 3713-38' w/2000 gals
 15%. POH w/RBP. Perf 3797-
 3916. Acidize all perfs w/
 3000 gals. Broke down perfs
 3797-3916 with PPI pkr and
 1000 gals. SI well.

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:

5 1/2 in 7 7/8" hole.
12 3/4 in 17 1/2" hole
8 5/8 in 11" hole

PBD 4026 '

TD 6000 '

WELL DATA SHEET

LEASE Meridian J.M. Brownlee WELL NO. 1 FIELD Eumont DATE 12/2/88
 LOCATION 760 FEET FROM S LINE AND 1980 FEET FROM E LINE
 SECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

GE: 3517 '
 KDB to GE 9 '
 DF to GE '

8 5/8" OD lbs.
 Surf. Pipe set @
1228 w/ 450 sx
 cmt. Circ? Yes

Date Completed 1/5/57
 Initial Formation Eumont
 FROM: 3402 TO: 3542
 Initial Production 0 BOPD 0 BWPD
49,500 MCFPD GCR

Completion Data:
 Perf 3402-36, 3455-72, 3498-3518,
3526-42. Fraced w/ 60,000 gals oil &
60,000 # sd.

Subsequent Workover or Reconditioning:

Eumont
3402'-3542'

5 1/2 " OD
 Gr J-55
14 # Csg set @
3596 ' w/ 600 sx
 Cmt. Circ? No
 TOC @ 1865 by TS

Present Prod. BOPD BWPD
 MCFPD GCR
 Date

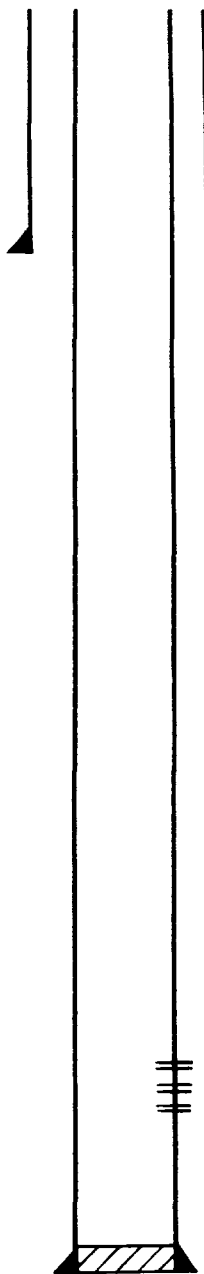
Remarks or Additional Data:
5 1/2 in 7 7/8" hole

PBD 3562 '

TD 3596 '

WELL DATA SHEET

LEASE Chevron Sandy WELL NO. 2 FIELD Penrose Skelly DATE 12/2/8
 LOCATION 990 FEET FROM S LINE AND 790 FEET FROM E LINE
 SECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3518 '
 KDB to GE 8 '
 DF to GE '

8 5/8" OD lbs.
 Surf. Pipe set @
315 w/ 150 sx
 cmt. Circ? Yes

Grayburg Perfs
 3666'-3889'

5 1/2" OD
 Gr J-55
15.5# Csg set @
3928 ' w/ 330 sx
 Cmt. Circ? No
 TOC @ 2168 by PS
 Calc

Date Completed 3/1/72
 Initial Formation Grayburg
 FROM: 3666 TO: 3889
 Initial Production 4 BOPD 68 BWPD
 70.5 MCFPD 1500 GOR

Completion Data:
 Perf 3563-3894. Fraced w/ 40,000 gals
 and 60,000 #'s sand.

Subsequent Workover or Reconditioning:

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
5 1/2 in 7 7/8" hole

PBD 3908 '

TD 3930 '

WELL DATA SHEET

LEASE Tahoe Brownlee WELL NO. 1 FIELD Eumont T/A'd DATE 12/2/88
 LOCATION 660 FEET FROM S LINE AND 660 FEET FROM E LINE
 SECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

GE: 3526 '
 KDB to GE 11 '
 DF to GE 10 '

8 5/8" OD lbs.
 Surf. Pipe set @
325 w/ 250 sx
 cmt. Circ? Yes

Date Completed 11/28/57
 Initial Formation Grayburg
 FROM: 3694 TO: 3710
 Initial Production 10 BOPD 20 BWPD
 NM MCFPD NM GCR

Completion Data:
 Tested OH 3720-90'. Flwd load oil &
 sulphur water. PB to 3715'. Perf
3694-3710'. Fraced w/6000 gal &
3000 # sd.

Subsequent Workover or Reconditioning:
8/79 - Set CIBP @ 3600'. Perf 3516-
3572'. Acidized w/1000 gals
15% SI.

Eumont Perfs
3516'-3572'

CIBP @ 3600'

Grayburg Perfs
3694'-3710'

5 1/2" OD
 Gr
14 # Csg set @
3720 ' w/ 250 sx
 Cmt. Circ?
 TOC @ 2299 by TS
 Calc

Present Prod. BOPD BWPD
 MCFPD GCR
 Date

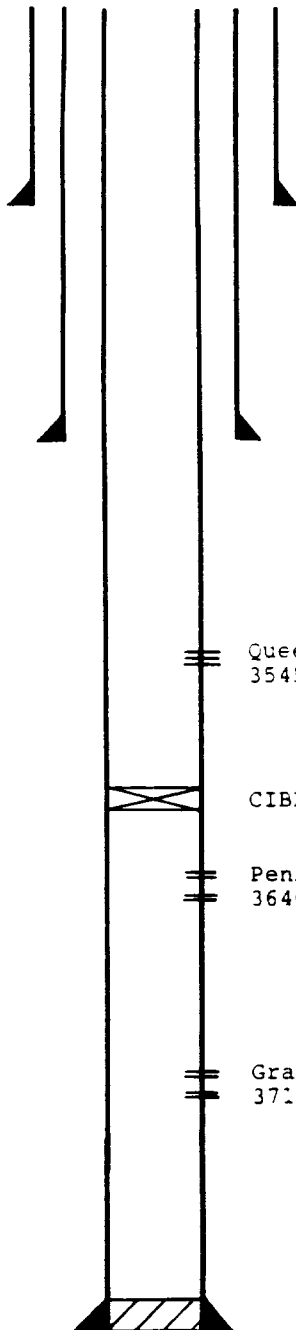
Remarks or Additional Data:
5 1/2 in 7 3/4" hole.

PBD 3600 '

TD 3790 '

WELL DATA SHEET

LEASE Exxon State G WELL NO. 2 FIELD Eumont Gas DATE 11/18/88
 LOCATION 660 FEET FROM S LINE AND 660 FEET FROM E LINE
 SECTION 26 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3518 '
 KDB to GE 10 '
 DF to GE 10 '

10 3/4" OD lbs.
 Surf. Pipe set @
204 w/ 60 sx
 Cmt. Circ? N/A
 TOC @ Surf by Calc

7 5/8" OD 46.4 lbs
 Csg set at
1335 ' w/ 375 sx
 Cmt. Circ? N/A
 TOC at Surf ' by
~~TS~~ Calc

Queen Perfs
 3545'-3585'

CIBP @ 3605'

Penrose Perfs
 3640'-3670'

Grayburg Perfs
 3716'-3816'

5 1/2" OD
 Gr
17 # Csg set @
3828 ' w/ 125 sx
 Cmt. Circ? No
 TOC @ 2445 by ~~TS~~
 Calc

Date Completed 8/18/42
 Initial Formation Grayburg
 FROM: 3640 TO: 3786
 Initial Production 22 BOPD 0 SWPD
nm MCFPD nm GOR

Completion Data:
 Perf 3724-3786. Acidized w/ 10,000
 gals. Perf 3640-3670

Subsequent Workover or Reconditioning:
10/48 - Perf 3716-3816 and acidize
 w/ 2000 gals.

8/55 - Frac 3716-3816 w/ 20,000 gals
 oil + 30,000 #'s sand.

4/5/60 - Set CIBP @ 3605. Perf
3545-3585. Split csg @ 21'.
 Squeezed split csg w/ 125
 sxs. Acidized perfs w/ 500
 gals. Fraced w/ 19,000 gals
 GBW & 30,000 #'s sand.

Present Prod. BOPD SWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
5 1/2 in 6 3/4" hole

PBD 3605 '

TD 3828 '

WELL DATA SHEET

LEASE Chevron WA Ramsay (NCT-A) WELL NO. 11 FIELD Arrowhead DATE 11.15.88
 LOCATION 660 FEET FROM N LINE AND 660 FEET FROM E LINE
 SECTION 35 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

GE: 3533 '
 KDB to GE 8 '
 DF to GE '

Date Completed 4/14/42
 Initial Formation Grayburg
 FROM: 3734 TO: 3835
 Initial Production 886 BOPD 0 BWPD
1042 MCFPD 117 GCR

Completion Data:
OH Completion

9 5/8" OD 25.7 lbs.
Surf. Pipe set @
290 w/ 250 sx
cmt. Circ? Yes

Subsequent Workover or Reconditioning:
2/24/47 - Installed gas lift

3/9/53 - Installed rod pump system

9/7/78 - Dump acid w/750 gals 15% HCL

10/16/79 - Dump acid w/750 gals 15% HCL

10/24/80 - Plugged back to 3801 w/ sand and hydromite.

10/31/80 - Dump 1000 gallons 15% HCL

12/19/80 - Drill out hydromite to 3865'.

Present Prod. BOPD BWPD
 MCFPD GCR
 Date

Remarks or Additional Data:

5 1/2" in 7 7/8" hole
4 3/4" OH

5 1/2" OD
Gr H
14 # Csg set @
3734' w/ 350 sx
Cmt. Circ? No
TOC @ 1867 by TR

Calc

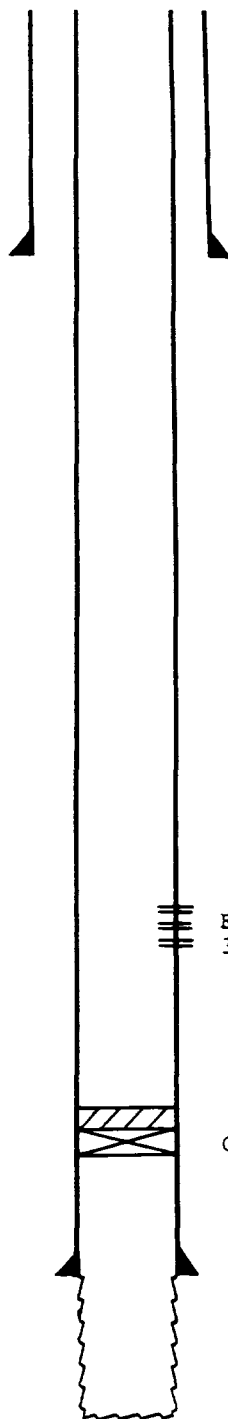
PBD '

TD 3835 '

WELL DATA SHEET

122

LEASE Chevron WA Ramsay (NCT-A) WELL NO. 13 FIELD Eumont DATE 11/15/88
 LOCATION 660 FEET FROM N LINE AND 1980 FEET FROM E LINE
 SECTION 35 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3548 '
 KDB to GE 13 '
 DF to GE '

9 5/8" OD 25.7 lbs.
 Surf. Pipe set @
293 w/ 240 sx
 cmt. Circ? Yes

Eumont Perfs
 3555'-3672'

CIBP @ 3730'

5 1/2" OD
 Gr H
 14 # Csg set @
3741 ' w/ 150 sx
 Cmt. Circ? No
 TOC @ 2941 by 78
Calc

Date Completed 7/28/44
 Initial Formation Grayburg
 FROM: 3741 TO: 3845
 Initial Production 115 BOPD 0 BWPD
nm MCFPD nm GOR

Completion Data:
 Shot OH w/150 qts.

Subsequent Workover or Reconditioning:

7/9/50 - Installed gas lift

3/11/53 - Installed rod pump

3/22/62 - Dump acid w/1000 gals
 gypsol

7/9/65 - Dump acid w/1000 gals 15%
 HCL

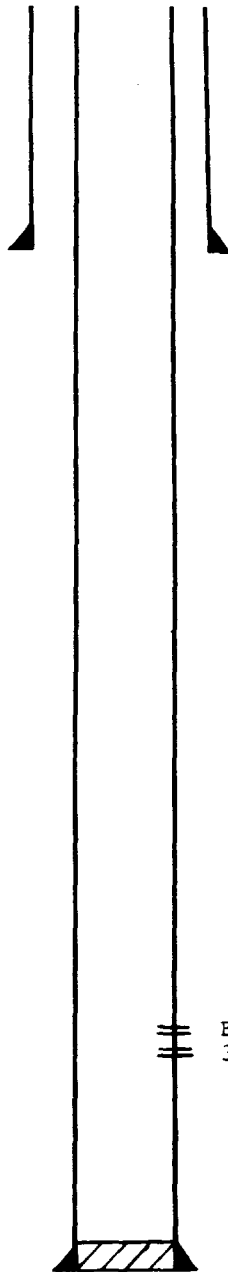
78 - Abandon Arrowhead and recomplete in Eumont. Set CIBP @ 3730 w/10' cmt cap. Perf Eumont 3555-3672'. Acidized w/3300 gals 15% HCL. Fraced Eumont w/ 42,000 gals & 43,750 #'s sand.

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.
4 3/4" OH

PBD 3720 '
 TD 3845 '

LEASE Chevron WA Ramsay (NCT-A) WELL NO. 16 FIELD Eumont DATE 11/15/88
 LOCATION 1980 FEET FROM N LINE AND 1980 FEET FROM W LINE
 SECTION 35 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3564 '
 KDB to GE 10 '
 DF to GE 9 '

8 5/8" OD 24 lbs.
 Surf. Pipe set @
263 w/ 200 sx
 cmt. Circ? Yes

Eumont Perfs
3804-3864'

5 1/2" OD
Gr J-55
14 # Csg set @
3875' w/ 1350 sx
 Cmt. Circ? No
 TOC @ 1220 by TS

Date Completed 4/23/56
 Initial Formation Penrose
 FROM: 3804 TO: 3864
 Initial Production 336 BOPD 4 BWPD
108 MCFPD 320 GOR

Completion Data:
Perf 3804-24', 3833-46', 3856-64'.
Acidized w/500 gals mud acid.
Fraced w/10,000 gals & 10,000 #'s
sand

Subsequent Workover or Reconditioning:
4/25/61 - Installed pumping equip.

11/8/77 - Dump acid w/750 gals 15%
HCL

7/23/79 - Dump acid w/750 gals 15%
HCL

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

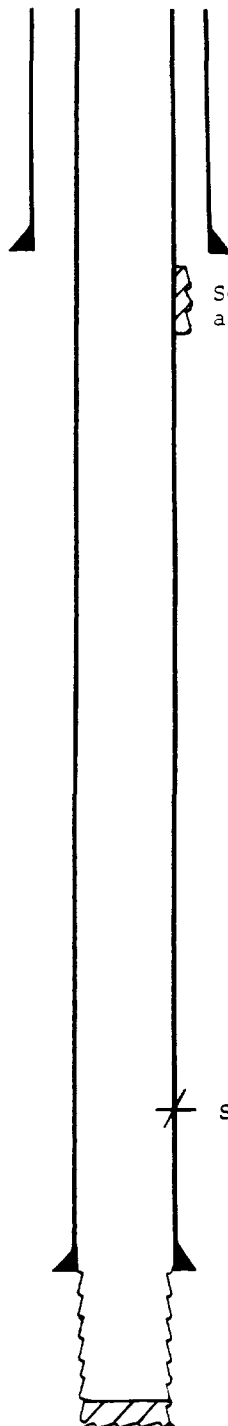
Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole
Cored: 3715-3727
3727-3777
3777-3827
3822-3875

DST's: 3614-3715
3710-3827
3822-3875

PBD 3872 '

TD 3875 '

LEASE Chevron WA Ramsay (NCT-A) WELL NO. 9 FIELD Arrowhead DATE 11/15/88
 LOCATION 1980 FEET FROM N LINE AND 1980 FEET FROM E LINE
 SECTION 35 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3561 '
 KDB to GE 6.5 '
 DF to GE 5 '

9 5/8" OD 25.7 lbs.
Surf. Pipe set @
290 w/ 250 sx
cmt. Circ? Yes

Squeezed casing leak
 at 288'-326'

Squeeze perf @ 3696'

5 1/2" OD
Gr H
14 # Csg set @
3748' w/ 350 sx
Cmt. Circ? No
TOC @ 2231 by TS
Calc

Date Completed 4/8/41
 Initial Formation Grayburg
 FROM: 3748 TO: 3856
 Initial Production 389 BOPD 0 SWPD
423 MCFPD 108 GOR

Completion Data:
 OH Completion

Subsequent Workover or Reconditioning:

6/9/45 - Dump acid w/1000 gals

2/5/50 - Run packer to 3636'

4/19/51 - Acidized w/1000 gals. In-
stall gas lift system

4/3/53 - Install rod pump

4/19/60 - PB w/Hydromite to 3758'.
Frased w/15,000 gals oil &
1-3 ppg sand. Perfed 3696
and squeezed gas channel
w/157 sx. Drill out to
3811'. Well flowing.

7/29/74 - Found and squeezed csq
leak at 288-326 w/260 sx.
Dump acid w/1000 gals 15%

11/10/78 - Dump acid w/750 gals 15%

11/10/79 - Install rod pump

8/24/81 - Dump acid w/840 gals 15%

Present Prod. _____ BOPD _____ SWPD
 _____ MCFPD _____ GOR
 _____ Date _____

Remarks or Additional Data:

5 1/2" casing in 7 7/8" hole
4 3/4" openhole

PBD 3811 '

TD 3856 '

6/20/88 - Dump acid w/500 gals 153

WELL DATA SHEET

LEASE Chevron WA Ramsay (NCT-A) WELL NO. 5 FIELD Arrowhead DATE 11/15/98
 LOCATION 1980 FEET FROM S LINE AND 660 FEET FROM E LINE
 SECTION 35 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

GE: 3563 '
 KDB to GE 6.50 '
 DF to GE '

Date Completed 3/24/40
 Initial Formation Grayburg
 FROM: 3765 TO: 3860
 Initial Production 1182 BOPD 0 BWPD
1217 MCFPD 1030 GOR

Completion Data:
 OH Completion

9 5/8" OD 25.7 lbs.
 Surf. Pipe set @
284 w/ 250 sx
 cmt. Circ? Yes

Subsequent Workover or Reconditioning:
10/12/49 - Ran pkr to 3658'

2/20/50 - Install Gas lift system

3/17/53 - Install rod pumping system

10/5/78 - Dump acid w/750 gals 15#

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
5 1/2" casing in 6 3/4" hole
4 3/4" OH

5 1/2 " OD
 Gr H
14 # Csg set @
3765 ' w/ 200 sx
 Cmt. Circ? No
 TOC @ 1552 by TB
Calc

PBD '
 TD 3860 '

WELL DATA SHEET

LEASE Chevron WA Ramsay (NCT-A) WELL NO. 8 FIELD Arrowhead DATE 11/15/88
 LOCATION 1980 FEET FROM S LINE AND 1980 FEET FROM E LINE
 SECTION 35 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

GE: 3573 '
 KDB to GE '
 DF to GE 6 '

3574

9 5/8" OD lbs.
 Surf. Pipe set @
291 w/ 250 sx
 cmt. Circ? Yes

Squeezed casing leak
 @ 480' w/ 560 sxs.

Date Completed 2/2/40
 Initial Formation Grayburg
 FROM: 3758 TO: 3870
 Initial Production 404 BOPD 0 BWPD
1200 MCFPD 29 GOR

Completion Data:
 OH Completion

Subsequent Workover or Reconditioning:
2/11/51 - Acidized w/1000 gals 15%

11/28/51 - Installed rod pump

11/10/55 - Repair casing leak at
480'. Perf @ 1000' and
bradenhead squeezed w/560
sxs.

11/29/78 - Dump acid w/750 gals 15%

10/17/79 - Dump acid w/750 gals 15%

7/31/81 - Dump acid w/750 gals 15%

8/24/82 - Dump acid w/750 gals 15%

3/18/83 - Dump acid w/750 gals 15%

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

5 1/2" OD
 Gr H
 14 # Csg set @
3758 ' w/ 390 sx
 Cmt. Circ? No
 TOC @ 1678 by TS

Calc

Remarks or Additional Data:
5 1/2" csg in 7 7/8" hole
4 3/4 OH

PBD
 TD 3870

— ۱۲ —

9 5/8" OD 25.7 lbs.
Surf. Pipe set @
291 w/ 250 sx
cmt. Circ? Yes

Completion Data:
Acidized w/ 2000 gals.

5 1/2" in 7 7/8" hole
4 3/4" OH

TD 3880

WELL DATA SHEET

LEASE Chevron WA Ramsay (NCT-A) WELL NO. 12 FIELD Eumont DATE 11/15/88
 LOCATION 660 FEET FROM S LINE AND 660 FEET FROM W LINE
 SECTION 35 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

GE: 3580 '
 KDB to GE 10 '
 DF to GE '

Date Completed 6/13/42
 Initial Formation Penrose
 FROM: 3761 TO: 3865
 Initial Production 31 BOPD 0 BWPD
50 MCFPD 1613 GOR

Completion Data:
 Acidize w/1000 gals 15%
 Re-acidized w/1500 gals 15%

9 5/8" OD 25.7 lbs.
 Surf. Pipe set @
291 w/ 250 sx
 cmt. Circ? yes

Subsequent Workover or Reconditioning:
3/9/53 - Installed rod pump

7/16/56 - Fraced w/10,000 gals oil &
 10,000 #'s sand. Well
 flowing.

9/29/64 - Dumped acid w/500 gals 15%
 HCL

4/19/73 - Installed rod pump

9/22/81 - Set cmt rtn @ 3757'.
 Squeeze OH w/125 sxs. Perf
 Eumont 3598-3746'. Acidize
 w/2400 gallons.

Eumont Gas Perfs
 3598'-3746'

Cement rtn at 3757'

5 1/2" OD
 Gr H
14 # Csg set @
3761 ' w/ 350 sx
 Cmt. Circ? No
 TOC @ 1894 by TS
Calc

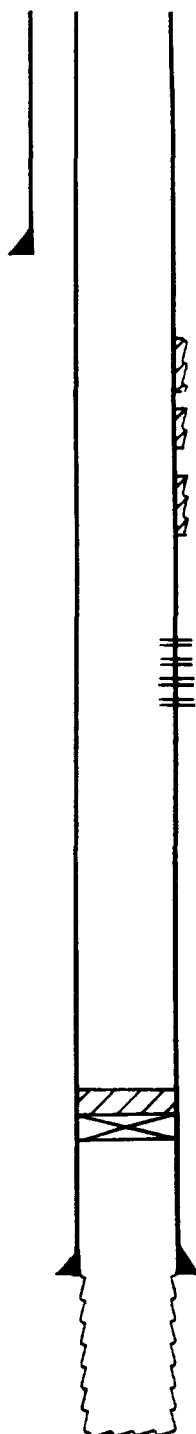
Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
5 1/2" csg in 7 7/8" hole
4 3/4" OH

PBD 3757 '
 TD 3865 '

WELL DATA SHEET

LEASE Chevron WA Ramsay (NCT-A) WELL NO. 7 FIELD Eumont DATE 11/15/89
 LOCATION 660 FEET FROM S LINE AND 1980 FEET FROM W LINE
 SECTION 35 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3578 '
 KDB to GE 8 '
 DF to GE '

9 5/8" OD 25.7 lbs.
 Surf. Pipe set @
305 w/ 250 sx
 cmt. Circ? Yes

Squeezed csg. leaks at

637'

672'

748'

1328'

Eumont Perfs
2912'-3678'

CIBP @ 3753'

5 1/2" OD
 Gr H
14 # Csg set @
3785 ' w/ 200 sx
 Cmt. Circ? No
 TOC @ 1572 by T8
 Calc

Date Completed 10/1/40
 Initial Formation Grayburg
 FROM: 3785 TO: 3870
 Initial Production 1506 BOPD 0 SWPD
 852 MCFPD 565 GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
12/10/44 - Ran pkr to 3848

6/13/49 - Install gas lift

9/4/52 - Install rod pump

2/13/64 - Pump acid w/1000 gals.

4/23/65 - Squeezed casing leak at
637' w/375 sxs. Dump acid
w/1000 gals.

9/10/65 - CI

8/20/73 - Abandoned Arrowhead. Set
CIBP @ 3753', topped w/2
sxs. Perf Eumont 2912 -
3678'. Fraced w/14,000
gals & 21,000 #'s sand.
Found holes in casing at
748' and 1328'. Squeezed
w/300 sxs. Found leak at
672'. Squeezed w/50 sxs.

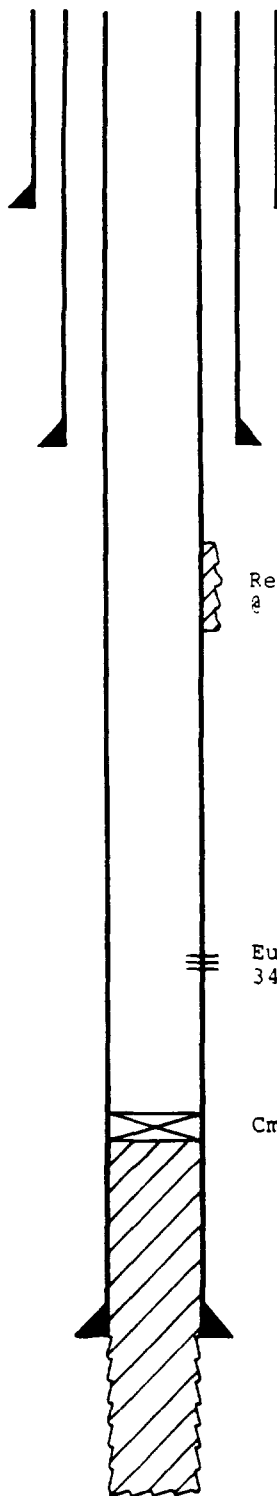
Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
5 1/2" casing in 6 3/4" hole
4 3/4" OH

PBD 3736 '
 TD 3870 '

WELL DATA SHEET

LEASE Chevron WA Ramsay (NCT-A) WELL NO. 3 FIELD Eumont DATE 11/15/98
 LOCATION 660 FEET FROM S LINE AND 1980 FEET FROM E LINE
 SECTION 35 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3568 '
 KDB to GE 8 '
 DF to GE 7 '

Date Completed 7/26/38
 Initial Formation Grayburg
 FROM: 3750 TO: 3810
 Initial Production 528 BOPD 0 SWPD
nm MCFPD nm GOR

Completion Data:
 OH Completion 3750-3810'

13 3/8" OD 54.5 lbs.
 Surf. Pipe set @
34' w/ 60 sx
 cmt. Circ? yes

8 5/8" OD lbs.
 Thd Gr C&D
32# Csg set at
1414' w/ 689 sx
 Cmt. Circ? Yes
 TOC at by
 TS

Repaired csg. leak
 @ 1400'

Subsequent Workover or Reconditioning:
10/47 - Ran pkr to 3700'.

3/55 - Put well on pump.

11/55 - Repair casing leak at 1400'.
Perf 6" at 1500', bradenhead
squeezed w/368 sxs.

10/78 - Set cmt rtn @ 3730' and
squeeze Grayburg OH w/100
sxs cmt. Perf Eumont 3465 -
3710'. Straddled and acid-
ized each set of perfs.
Total acid = 4000 gals.

Eumont Perfs
3465'-3710'

Cmt. rtn @ 3730'

6 " OD
 Gr D
16 # Csg set @
3750' w/ 250 sx
 Cmt. Circ? No
 TOC @ 2650 by TS

Present Prod. BOPD SWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
6" in 7 7/8" hole
5 3/8" OH

PBD 3730 '

TD 3810 '

WELL DATA SHEET

LEASE Chevron WA Ramsay (NCT-A) WELL NO. 4 FIELD Arrowhead DATE 11/15/89
 LOCATION 660 FEET FROM S LINE AND 660 FEET FROM E LINE
 SECTION 35 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

GE: 3560 '
 KDB to GE 8.5 '
 DF to GE '

Date Completed 2/26/39
 Initial Formation Grayburg
 FROM: 3760 TO: 3860
 Initial Production 1214 BOPD 0 SWPD
1125 MCFPD 92 GCR

Completion Data:
 OH Completion

10 3/4" OD lbs.
 Surf. Pipe set @
265 w/ 425 sx
 cmt. Circ? Yes

repaired casing leak
 616' to 876'

Subsequent Workover or Reconditioning:
11/17/54 - Install Pump

2/21/67 - Dump acid w/500 gals 15%

5/4/72 - Dump acid w/500 gals 15%

6/1/73 - Dump acid w/750 gals 15%

11/29/77 - Dump acid w/1000 gals 15%
 HCL

7/13/82 - Install larger pumping
 unit.

5/89 - Repair Casing Leak 616' -
 876' w/ 290 sxs. Acidize
 open-hole w/2300 gals

Present Prod. BOPD SWPD
 MCFPD GCR
 Date

6 " OD
 Gr C
16 # Csg set @
3760 ' w/ 340 sx
 Cmt. Circ?
 TOC @ 2259 by DB
Calc

Remarks or Additional Data:
6" csg set in 8 5/8" hole.
5 3/8" OH

PBD '

TD 3860 '

WELL DATA SHEET

LEASE Chevron H. Leonard (NCT-C) WELL NO. 12 FIELD Drinkard DATE 11/16/88
 LOCATION 660 FEET FROM N LINE AND 410 FEET FROM E LINE
 SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

GE: 3504 '
 KDB to GE 11.5 '
 DF to GE 10 '

9 5/8" OD 36 lbs.
 Surf. Pipe set @
1230 w/ 500 sx
 cmt. Circ? Yes

Date Completed 8/17/71
 Initial Formation Blinebry/Grayburg
 FROM: 5528/3674 TO: 5836/3793
 Initial Production 122/38 BCPD 114.93 BW:
nm MCFPD nm GOR

Completion Data:
 Perf Blinebry 5528 - 5836'. Acidized
 w/750 gals. Fraced w/42,000 gals GBW
 & 54,000 #'s sand & 6000 gals 15%
 HCL. Set pkr w/blanking plug @ 5448'
 Perf Grayburg 3726 - 28, 3768 - 30,
 3791 - 93. Fraced perfs w/28,000
 gals GBW, 3000 gals 15% HCL & 36,000
 #'s sand.

Dual completed. Blinebry and
 Arrowhead.

Subsequent Workover or Reconditioning:
 6/8/76 - Squeezed Arrowhead perfs w/
 300 sxs.

Deepened to 6800'. Ran 4 1/2
 liner 5883 - 6766' w/150
 sx. Perf Drinkard 6534 -
 6715'. Treated Drinkard
 perfs w/6000 gals 15%.
 Fraced w/10,000 GBW &
 25,000 gals GBW w/1-2 bag
 sand. Treated Blinebry
 perfs w/3000 gals 15%. Set
 pkr at 5990'. Dual complete
 (Blinebry up annulus).

5/3/78 - Squeezed Blinebry perfs w/
 75 sxs.

Squeezed Grayburg Perfs
 3674'-3793

DV Tool @ 3922'

Squeezed Blinebry Perfs
 5528'-5836

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

7 " OD
 Gr K-55
 20 5/8" Csg set @
 5999' w/ 665 sx
 Cmt. Circ? No
 TOC @ 2410 by TS

Remarks or Additional Data:
 7" casing in 8 3/4" hole
 4 1/2 liner in 6 1/4" hole

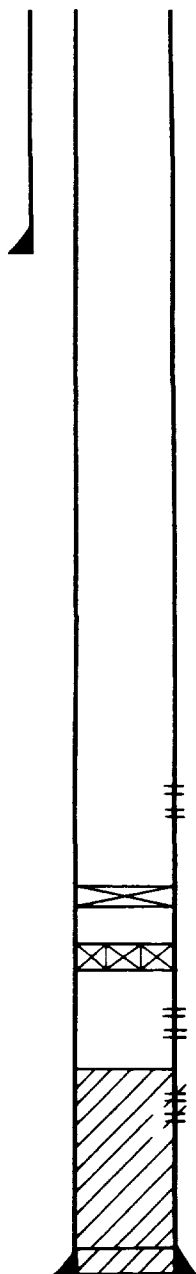
4 1/2" 11.6# liner
 5883'-6766' w/ 150 sx.

Drinkard Perfs
 6534'-6715'

PBD _____ '
 TD 6800 _____ '

WELL DATA SHEET

LEASE Chevron H. Leonard (NCT-C) WELL NO. 9 FIELD Eumont Gas DATE 11-15-83
 LOCATION 660 FEET FROM N LINE AND 1980 FEET FROM E LINE
 SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3500 '
 KDB to GE 9.5 '
 DF to GE '

8 5/8" OD 24 lbs.
 Surf. Pipe set @
267 w/ 225 sx
 cmt. Circ? Yes

Eumont Perfs
 3474'-3590'

CIBP @ 3638'

Production Packer w/
 Plug @ 3665'

Arrowhead Perfs
 3702'-3730'

Squeezed Arrowhead Perfs
 3684'-3762'

5 1/2" OD
 Gr J-55
14 # Csg set @
3775 ' w/ 1375 sx
 Cmt. Circ? No
 TOC @ 120 by TS

Date Completed 7/13/56
 Initial Formation Eumont/Grayburg
 FROM: 3474/3702 TO: 3590/3730
 Initial Production 0/60 BCPD 0/15 BWPD
11,750/429 MCFPD NA/714 GOR
 Completion Data:
 Perf 3684-3730 & 3746-3762. Fraced
3746-62 w/5000 gals 15% & 5000 #'s
 sand. Fraced 3684-3730 w/10,000 gals
 15% & 10,000 #'s sand. Squeezed
 perfs w/1203 sxs. PB to 3740'. Perf
3702-3730'. Acidized w/1000 gals 15%
 HCL.

Set prod. pkr @ 3665. Perf Eumont
3474-93', 3504-20', 3526-32', 3557-64',
3570-90'. Broke down perfs w/
 250 gals. Frac Eumont w/10,000 gals
 oil & 10,000 #'s sand.

Dual complete - Arrowhead up tbq.
 Eumont gas up annulus.
 Subsequent Workover or Reconditioning:
10/19/64 - Acidized Arrowhead w/500
 gals 15% HCL.

11/30/71 - Set plug in SN at 3698'.
 T/A Arrowhead.

11/24/72 - Set CIBP @ 3638'. Prod.
 Eumont up tbq.

6/2/80 - Acidized Eumont w/750 gals
 15% HCL.

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
5 1/2" in 7 7/8" hole

Never pumped Arrowhead.

PBD 3638 '

TD 3775 '

WELL DATA SHEET

LEASE Chevron H. Leonard (NCT-C) WELL NO. 13 FIELD Drinkard DATE 11/16/98LOCATION 510 FEET FROM N LINE AND 1780 FEET FROM E LINESECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NMGE: 3505 '
KDB to GE 11 '
DF to GE _____8 5/8" OD 24 lbs.
Surf. Pipe set @
1243 w/ 400 sx
cmt. Circ? Yes

DV tool @ 3604'

* Squeezed Blinebry Perf
5512'
* Squeezed Blinebry Perfs
5540'-5827'5 1/2" OD
Gr K-55
14 5/8" Csg set @
5885' w/ 640 sx
Cmt. Circ? No
TOC @ 2050 by TS4" 11.3# liner from
5774' to 6806' w/
75 sxs.Drinkard Perfs
6517'-6703'Date Completed _____
Initial Formation Blinebry
FROM: 5512 TO: 5827
Initial Production 167 BOPD 692 BWPD
nm MCFPD nm GORCompletion Data:
Perf Blinebry 5512, 5540, 5571, 5610
5655, 5692, 5827. Fraced perfs w/
50,000 gals GBW w/1-3 #'s spg & 1500
gals 15% HCL.Subsequent Workover or Reconditioning:
6/23/72 - Squeezed perf at 5512' w/
100 sxs.4/1/76 - Deepened to 6806'. Ran 4"
liner 5774-6806'. Perf
Drinkard 6517 - 6703'.
Acidized w/3500 gals GBW &
30,000 gals GBW w/1-3 # spg
Frac w/40,000 gals GBW &
40,000 #'s sand. Produced
Drinkard below pkr at 6440'8/29/79 - Squeezed Blinebry perfs w/
42 sxs.

3/13/80 - Repair tbq leak.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____Remarks or Additional Data:
5 1/2" csg in 7 7/8" hole.
4" liner in 4 3/4" OHPBD 6764 'TD 6806 '

WELL DATA SHEET

LEASE Chevron H. Leonard (NCT-C) WELL NO. 5 FIELD Arrowhead DATE 11-15-88
 LOCATION 660 FEET FROM N LINE AND 1980 FEET FROM W LINE
 SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

GE: 3502 '
 KDB to GE 9 '
 DF to GE _____'

9 5/8" OD 25.7 lbs.
 Surf. Pipe set @
289 w/ 250 sx
 cmt. Circ? Yes

Date Completed 9/25/42
 Initial Formation Grayburg
 FROM: 3675 TO: 3800
 Initial Production 276 BOPD 0 BWPD
268 MCFPD 971 GOR

Completion Data:
 OH completion w/production packer at
3709'.

Subsequent Workover or Reconditioning:
12/12/57 - Fraced w/16,000 gals oil
& 16,000 #'s sand.

6/24/68 - CO to 3800'.

12/3/74 - CO to 3800'.

9/11/75 - CO to 3800'.

1/7/77 - Dump acid w/3500 gals 15%
 HCL.

10/19/87 - CO from 3783 to 3800.
Perf open-hole 3686 -
3778 w/100 shots, CC to
3800'. Squeeze treat for
scale.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

Remarks or Additional Data:

5 1/2" in 6 3/4" hole
4 3/4" OH

5 1/2" OD
 Gr H-40
14 # Csg set @
3675 ' w/ 200 sx
 Cmt. Circ? No
 TOC @ 1462 by TB
Calc

PBD _____'

TD 3800 _____'

WELL DATA SHEET

LEASE Chevron H. Leonard (NCT-C) WELL NO. 17 FIELD Drinkard DATE 11/16/88
 LOCATION 560 FEET FROM N LINE AND 2310 FEET FROM W LINE
 SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

GE: 3503 '
 KDB to GE 13.6 '
 DF to GE 12 '

Date Completed 5/21/75
 Initial Formation Drinkard
 FROM: 6562 TO: 6716
 Initial Production 54 BOPD 78 BWPD
nm MCFPD nm GCR

Completion Data:
Perf Drinkard 6562 - 6716'. Acidized
and fracture treated.

8 5/8" OD 24 lbs.
 Surf. Pipe set @
1226 w/ 425 sx
 cmt. Circ? Yes

Subsequent Workover or Reconditioning:
4/20/76 - Perf Blinebry 5538 - 5690.
Acidized & fraced. Down-
hole commingled Blinebry &
Drinkard.

8/2/76 - Cleaned out 97' fill to
6809'.

Squeezed Blinebry perfs
5538'-5690'

6/2/78 - Squeezed Blinebry perfs.

Drinkard Perfs
6562'-6716'

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

5 1/2 " OD

Gr K-55

14, 15.5 & 17# Csg set @

6855' w/ 700 sx

Cmt. Circ? No

TOC @ 2410 by TS

Remarks or Additional Data:

5 1/2" casing in 7 7/8" hole

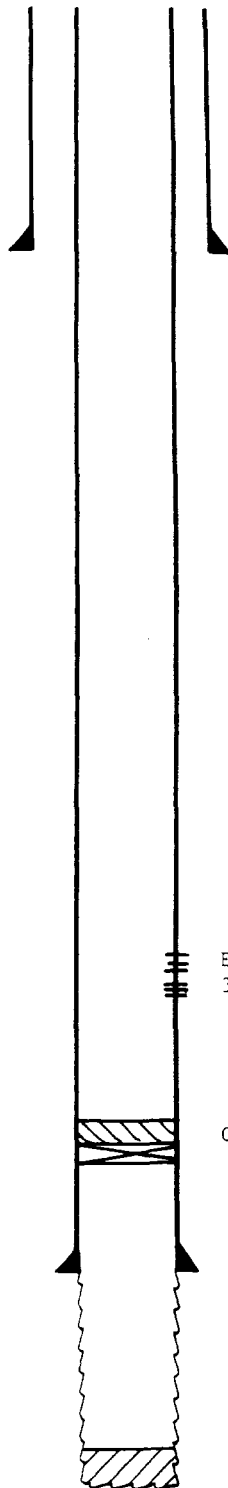
PBD 6809 '

TD 6856 '

WELL DATA SHEET

126

LEASE Chevron H. Leonard (NCT-C) WELL NO. 4 FIELD Eumont Gas DATE 12.7.88
 LOCATION 660 FEET FROM N LINE AND 660 FEET FROM W LINE
 SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3531
 KDB to GE 10
 DF to GE

9 5/8" OD 25.7 lbs.
 Surf. Pipe set @
293 w/ 250 sx
 cmt. Circ? yes

Eumont Perfs
3428' - 3604'

CIBP @ 3710' W/ 35' cmt

5 1/2" OD
 Gr H
14 # Csg set @
3730 ' w/ 350 sx
 Cmt. Circ? No
 TOC @ 2495 by TS

Date Completed 2/12/42
 Initial Formation Grayburg
 FROM: 3730 TO: 3825
 Initial Production 267 BOPD 0 SWPD
603 MCFPD 225 GCR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
3/28/45 Ran & set formation packer
 @ 3777'.

4/19/57 PE to 3788' w/ 22 gals.
 hydromite. Acidized 3742'-
3788' w/ 3000 gals 15%.
 Installed rod pump.

9/90 Abandoned Grayburg w/ CIBP
 at 3710' and 35' cmt. Perf
 Eumont 3428 - 3604', acidize
 with 2550 gals. frac w/ 114000
 gals GW, 114000 #'s sand, and
113 tons CO₂.

Present Prod. BOPD SWPD
 MCFPD GCR
 Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole 4 3/4"
OH

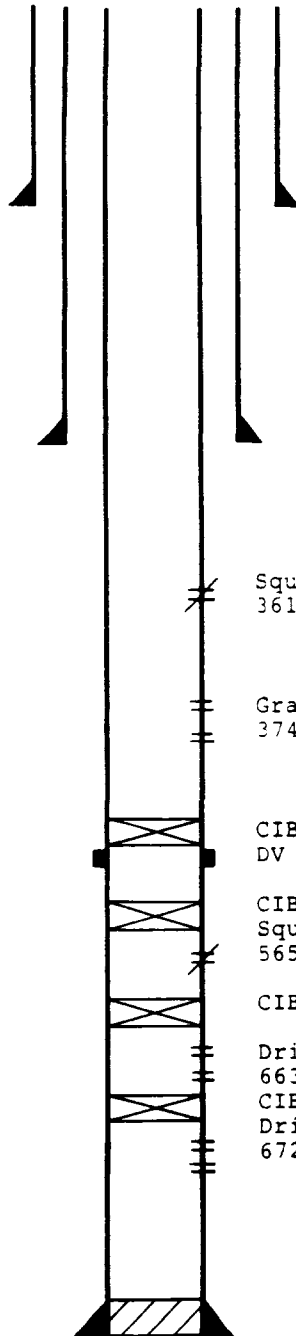
PBD 3675 '

TD 3825 '

WELL DATA SHEET

46, 120

LEASE Chevron H. Leonard (NCT-C) WELL NO. 20 FIELD Arrowhead DATE 11/17/83
 LOCATION 660 FEET FROM N LINE AND 990 FEET FROM W LINE
 SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3519 '
 KDB to GE 13.6 '
 DF to GE '

11 3/4" OD 42 lbs.
 Surf. Pipe set @
420 ' w/ 275 sx
 cmt. Circ? Yes

8 5/8" OD 24 &
32 lbs.
 Csg set at
2769 ' w/ 750 sx
 Cmt. Circ? Yes
 TOC at ' by
 TS

Squeezed Eumont Perfs
 3610'-3642'

Grayburg Perfs
 3746'-3866'

CIBP @ 4120'
 DV tool @ 4699'

CIBP @ 5600'
 Squeezed Blinebry Perfs
 5657'-5794'

CIBP @ 6615'

Drinkard Perfs
 6634'-6670'
 CIBP @ 6710'
 Drinkard Perfs
 6726'-6675'

5 1/2" OD
 Gr K-55
15.5# Csg set @
6929 ' w/ No sx
 Cmt. Circ? No
 TOC @ 400 by TS

Date Completed 3/15/85
 Initial Formation Blinebry
 FROM: 5657 TO: 5794
 Initial Production 0 BOPD 158 BWPD
 MCFPD GOR

Completion Data:
 Perf Blinebry 5657 - 5794. Acidized
 and fraced.

Subsequent Workover or Reconditioning:
 6/4/85 - Squeezed Blinebry perfs w/
 150 sxs. Perf Drinkard
 6726 - 6775'. Acidize
 Drinkard. Set CIBP @ 6710'.
 Perf Drinkard 6634 - 6670'.
 Acidize.

11/85 - Set CIBP's @ 5615, 5600,
 4120. Perf Eumont 3610 -
 3642'. Acidize.

12/85 - Squeeze Eumont perfs w. 950
 sxs. Perf Grayburg 3746-48',
 3760-62', 3774-76', 3785-87',
 3805-07', 3816-18', 3828-30',
 3839-41', 3849-51', 3864-66'.
 Acidize w/3000 gals 15% HCL.

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

Titan 5 1/2" CIBP knocked downhole
to 6846'.

PBD 4075 '

TD 6930 '

WELL DATA SHEET

LEASE Chevron H. Leonard (NCT-C) WELL NO. 3 FIELD Arrowhead DATE 11/15/88
 LOCATION 1980 FEET FROM N LINE AND 660 FEET FROM W LINE
 SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

DF: 3544 '
 KDB to GE _____ '
 DF to GE _____ '

Date Completed 7/17/40
 Initial Formation Grayburg
 FROM: 3739 TO: 3840
 Initial Production 607 BOPD 0 SWPD
995 MCFPD 1638 GOR

Completion Data:
 OH Completion _____

9 5/8" OD 25.7 lbs.
 Surf. Pipe set @
290 w/ 275 sx
 cmt. Circ? Yes

Subsequent Workover or Reconditioning:
3/26/45 - Set production pkr @ 3770'

4/28/45 - Acidized w/1000 gals 15%.
Could not unset pkr @ 3770'

6/4/48 - Perf tbq above pkr @ 3745'.

6/10/57 - Fish pkr. Clean out to
3840'. Plugged back to
3800' w/hydromite and aqua
seal. Acidized OH w/3000
gals 15%. Set formation
pkr @ 3760. Flowed 26 BOPD

3/22/64 - Acidized w/500 gals 15%.

10/5/64 - Acidized w/500 gals 15%.
Installed rod pump.

10/1/80 - Dump acid w/1000 gals 15%
HCL.

2/19/85 - CO to 3800' and scale in-
hibit squeeze.

9/89 - Acidized
 Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

5 1/2" OD
 Gr H
14" # Csg set @
3739' w/ 350 sx
 Cmt. Circ? _____
 TOC @ 1872 by T8
Calc

Remarks or Additional Data:
5 1/2" in 7 7/8" hole
4 3/4" open-hole

PBD 3800 '

TD 3840 '

WELL DATA SHEET

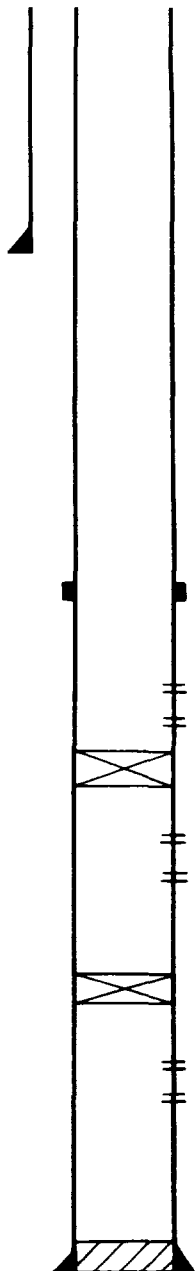
LEASE Chevron H. Leonard (NCT-C) WELL NO. 19 FIELD Blinebry DATE 11/16/88
 LOCATION 1980 FEET FROM N LINE AND 990 FEET FROM W LINE
 SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

GE: 3537 '
 KDB to GE 10.6 '
 DF to GE _____

Date Completed 5/6/77
 Initial Formation Drinkard
 FROM: 6579 TO: 6718
 Initial Production 140 BOPD 168 SWPD
 _____ MCFPD _____ GCR

Completion Data:
 Perf Drinkard 6579 - 6718'. Acidized
 and fraced.

8 5/8" OD 24 lbs.
 Surf. Pipe set @
 1229' w/ 550' sx
 Cmt. Circ? Yes



DV tool @ 3303'

Blinebry Perfs
 5570'-5791'

CIBP @ 6275'

Tubb Perfs
 6291'-6509'

CIBP @ 6525'

Drinkard Perfs
 6579'-6718'

5 1/2" OD
 Gr K-55
 15.5# Csg set @
 6800' w/ 1850' sx
 Cmt. Circ? Yes
 TOC @ _____ by TS

Subsequent Workover or Reconditioning:
 9/17/79 - TA Drinkard and complete
 in Tubb. Set CIBP @ 6525'.
 Perf Tubb 6291 - 6509'.
 Acidize.

8/5/80 - Frac Tubb.

Set CIBP @ 6275'. Perf
 Blinebry 5570 - 5791'.
 Acidize and frac.

Present Prod. _____ BOPD _____ SWPD
 _____ MCFPD _____ GCR
 _____ Date

Remarks or Additional Data:
 5 1/2" casing in 7 7/8" hole

PBD 6275 '

TD 6800 '

WELL DATA SHEET

LEASE Chevron H. Leonard (NCT-C) WELL NO. 6 FIELD Arrowhead DATE 11/15/88
 LOCATION 1980 FEET FROM N LINE AND 1980 FEET FROM W LINE
 SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

GE: 3530 '
 KDB to GE 11 '
 DF to GE '

9 5/8" OD 25.7 lbs.
 Surf. Pipe set @
285 w/ 250 sx
 cmt. Circ? Yes

Repaired casing leak @
 460' w/ 200 sxs.

Repaired casing leak @
 742'-755' w/ 200 sxs.

5 1/2 " OD
 Gr H
 14 # Csg set @
3730 ' w/ 200 sx
 Cmt. Circ?
 TOC @ 157 by TS
 Calc

Date Completed 2/29/44
 Initial Formation Grayburg
 FROM: 3730 TO: 3830
 Initial Production 690 BOPD 0 BWPD
 2000 MCFPD 3000 GOR

Completion Data:
 OH Completion

Subsequent Workover or Reconditioning:
2/9/45 - Set production pkr at 3750'

1/27/58 - Fraced w/16,000 gals oil &
 16,000 #'s sand.

8/22/72 - Repaired casing leak at
 460'. Pumped 200 sx, cmt
 circulated, closed braden-
 head valve. Squeezed leak
 at 742-755' w/200 sxs.
 Clean out to 3830'.

4/29/74 - Clean out 84' of fill to
 3830'. Dump acid w/750
 gals 15% HCL.

6/26/75 - Dump acid w/500 gals HCL.

6/24/76 - CO 12' fill to 3830 and
 dump acid w/1000 gals 15%
 HCL. Perf OH 3732-42',
 3744-48', 3750-60', 3764-
 69', 3780-90', 3792-3803'
 w/200 holes. CO fill to
 3809'. Acidized w/3000
 gals.

2/1/78 - Increase pumping equipment
 capacity.

9/14/87 - Cleaned out fill to 3808'.
 Perf open-hole 3732-42',
 3744-48', 3750-60', 3764-
 69', 3774-84', 3789-97'.
 CO to 3830'.

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
5 1/2" casing in 6 3/4" hole
4 3/4" OH

PBD
 TD 3830

LEASE Chevron H. Leonard (NCT-C) WELL NO. 18 FIELD Blinebry DATE 11/16/83
LOCATION 2080 FEET FROM N LINE AND 2310 FEET FROM W LINE
SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

Remarks or Additional Data:
7 7/8" hole

PBD 6525
TD 6800

WELL DATA SHEET

123

LEASE Chevron H. Leonard (NCT-C) WELL NO. 7 FIELD Eumont Gas DATE 11.15.8
 LOCATION 1980 FEET FROM N LINE AND 1980 FEET FROM E LINE
 SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

GE: 3497 '
 KDB to GE 10 '
 DF to GE '

Date Completed 4/3/44
 Initial Formation Grayburg
 FROM: 3712 TO: 3805
 Initial Production 220 BOPD 0 BWPD
497 MCFPD 2259 GOR

Completion Data:
Acidized w/2000 gals.

9 5/8" OD 25.7 lbs.
 Surf. Pipe set @
294 w/ 135 sx
 cmt. Circ? Yes

Subsequent Workover or Reconditioning:
3/29/62 - Install rod pump.

10/14/64 - Acidized w/500 gals 15%
 HCL.

6/17/68 - Replace rod string, return
 to production.

9/18/69 - Repair tbq leaks and re-
 turn to production.

8/14/72 - Acidized w/750 gals 15%.
 Return to production.

12/3/79 - Abandoned Arrowhead. Set
 CIBP @ 3675 w/35' cmt cap.
 Perf Eumont 3469 - 3612'.
 Broke down perfs w/150
 gals 15% HCL. Acidized w/
 3600 gals 15% HCL. Squeeze
 perfs w/100 sx. Perf 3219-
 3432'. Broke down perfs w/
 300 gals. Acidized w/4000
 gals 15%. Fraced perfs w/
 7000 gals foam & 4200 #'s
 sand.

Eumont Gas Perfs
 3219'-3432'

Squeezed
 Eumont Perfs
 3469'-3612'

CIBP @ 3675' w/ 35' cmt.

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

5 1/2" OD
 Gr H
14 # Csg set @
3712 ' w/ 200 sx
 Cmt. Circ? No
 TOC @ 2645 by TS
Calc

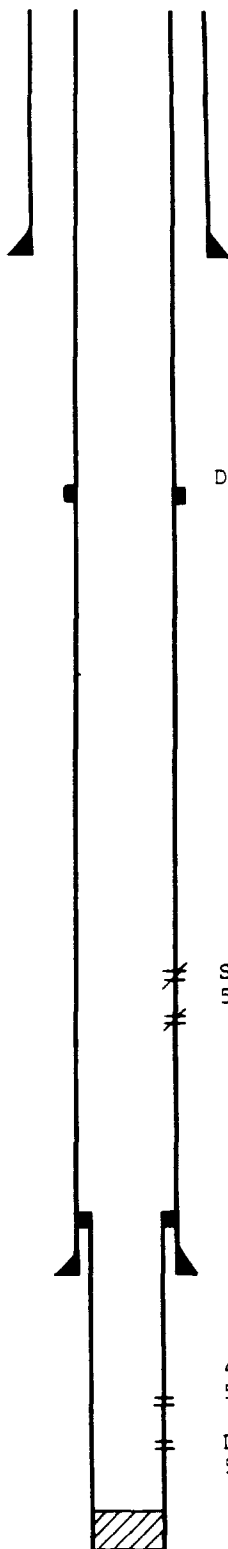
Remarks or Additional Data:

5 1/2" in 7 7/8" hole
4 3/4" OH

PBD 3640 '

TD 3805 '

LEASE Chevron H. Leonard (NCT-C) WELL NO. 15 FIELD Drinkard DATE 1/16/98
 LOCATION 1650 FEET FROM N LINE AND 2013 FEET FROM E LINE
 SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3498 '
 KDB to GE 11.5 '
 DF to GE '

8 5/8" OD 24 lbs.
 Surf. Pipe set @
1235 w/ 400 sx
 cmt. Circ? Yes

DV Tool @ 3919'

Squeezed Blinebry Perfs
 5552'-5738'

5 1/2" OD
 Gr K-55
14 # Csg set @
5892 ' w/ 610 sx
 Cmt. Circ? No
 TOC @ 2270 by TS

4" 11.6# liner from
 5786-6790. w/ 130 sxs.

Drinkard Perfs
 5786-6790

Date Completed 5/22/72
 Initial Formation Blinebry
 FROM: 5552 TO: 5738
 Initial Production 122 BOPD 58 SWPD
nm MCFPD nm GCR

Completion Data:
Perf Blinebry. Acidize & frac.

Subsequent Workover or Reconditioning:
11/18/75 - Squeeze Blinebry. Deepen,
run 4" liner 5786 - 6790'
Perf Drinkard, acidize,
frac.

10/7/76 - Re-perf Blinebry. Acidized
Commingle production.

6/8/78 - Squeezed Blinebry perfs.

Present Prod. BOPD SWPD
 MCFPD GCR
 Date

Remarks or Additional Data:
5 1/2" in 7 7/8" hole
4" liner in 4 3/4" hole

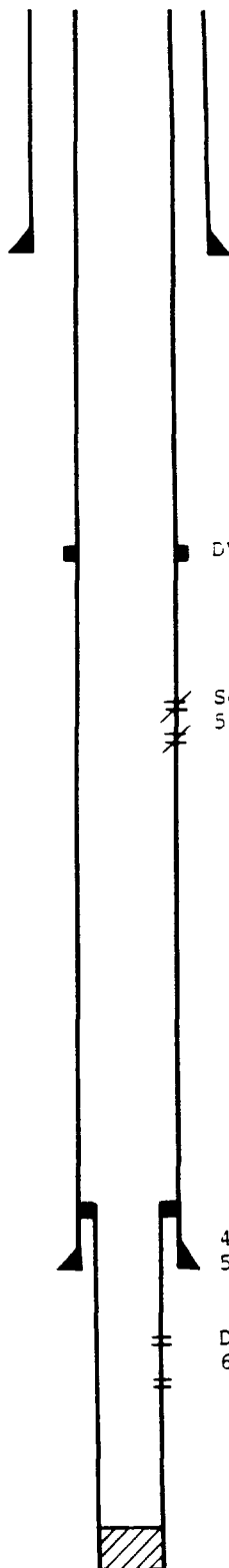
PBD 6734 '
 TD 6791 '

LEASE Chevron H. Leonard (NCT-C) WELL NO. 8 FIELD Eumont Gas DATE 11/15/88
LOCATION 1980 FEET FROM N LINE AND 660 FEET FROM E LINE
SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

TD 3780

WELL DATA SHEET

LEASE Chevron H. Leonard (NCT-C) WELL NO. 14 FIELD Drinkard DATE 11/16/88
 LOCATION 1830 FEET FROM N LINE AND 710 FEET FROM E LINE
 SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3485 '
 KDB to GE 11 '
 DF to GE '

8 5/8" OD 24 lbs.
 Surf. Pipe set @
1236 w/ 400 sx
 cmt. Circ? Yes

DV Tool @ 3897'

Squeezed Blinebry Perfs
 5494'-5700'

5 1/2" OD
 Gr K-55
15.5# Csg set @
5991 ' w/ 390 sx
 Cmt. Circ? No
 TOC @ 2225 by TS

4" 11.6# liner from
 5781-6754' w/ 68 sxs.

Drinkard Perfs
 6502-6677

PBD 6715 '

TD 6755 '

Date Completed 2/29/72
 Initial Formation Blinebry
 FROM: 5494 TO: 5700
 Initial Production 126 BOPD 423 BWPD
nm MCFPD nm GOR

Completion Data:
 Perf and frac Blinebry 5494' - 5700'

Subsequent Workover or Reconditioning:
9/18/75 - Deepen, run 4" liner 5781-
6754'. Perf Drinkard 6502-
6677. Acidized and Fraced.

8/28/78 - Plugged Blinebry perfs.

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

LEASE Markham State "36" WELL NO. 1 FIELD Blinebry/Drinkard DATE 11-17-99
LOCATION 1980 FEET FROM S LINE AND 660 FEET FROM E LINE
SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

PED 6783
TD 6831

WELL DATA SHEET

LEASE Hanson Shell State WELL NO. 2 FIELD Blinebry DATE 11-17-89
 LOCATION 1980 FEET FROM S LINE AND 1650 FEET FROM E LINE
 SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

GE: 3497
 KDB to GE _____
 DF to GE _____

8 5/8" OD 24 lbs.
 Surf. Pipe set @
1160 w/ 550 sx
 cmt. Circ? Yes

Date Completed 2/12/75
 Initial Formation Blinebry/Drinkard
 FROM: 5514/6556 TO: 5738/6600
 Initial Production 130/156 BOPD 27.30 BW
30.40 MCFPD 230.356

Completion Data:
Perf Drinkard 6556 - 6600'. Acidize
& frac. Perf Blinebry 5514 - 5738.
Acidize & frac. Dual complete.

Subsequent Workover or Reconditioning:

2/80 - Down-hole Cleaning

12/84 - FA Drinkard w/CIBP 1 6025'.
Acidize Blinebry w/3000 gals.

Blinebry Perfs
5514'-5738'

CIBP @ 6025'

Drinkard Perfs
6556'-6600'

5 1/2" OD
Gr K-55
15.5# Csg set @
6885' w/ 1100 sx
 Cmt. Circ? No
 TOC @ 2400 by TS

Present Prod. _____ BOPD _____ BWPD _____
 _____ MCFPD _____ GOR _____
 _____ Date _____

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD 6025
 TD 6885

WELL DATA SHEET

AGU 132 u=

LEASE Chevron H. Leonard (NCT-C) WELL NO. 2 FIELD Arrowhead DATE 11/15/83
 LOCATION 1980 FEET FROM S LINE AND 1980 FEET FROM W LINE
 SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

GE: 3521 '
 KDB to GE 7 '
 DF to GE '

Date Completed 3/21/40
 Initial Formation Grayburg
 FROM: 3719 TO: 3825
 Initial Production 339 BOPD 0 SWPD
602 MCFPD 1778 GOR

Completion Data:
OH Completion.

9 5/8" OD 25.7 lbs.
Surf. Pipe set @
293 w/ 225 sx
cmt. Circ? Yes

Subsequent Workover or Reconditioning:

4/13/45 - Ran production packer to
3750'. Acidized w/1000 gal

2/27/58 - Fraced w/14,070 gals oil &
& 14,070 #'s sand.

5/28/58 - Installed pumping equip-
ment.

1/15/79 - Scale treat.

3/9/88 - CO 25' fill to 3825', Open-
hole perf 3723 - 3823 w/51
shots. CO from 3736 - 3825'.
Acidize w/2500 gals 15% HCL.
Change out pumping unit and
rods.

Present Prod. BOPD SWPD
 MCFPD GOR
 Date

Remarks or Additional Data:

5 1/2" casing in 7 7/8" hole
4 3/4" OH

5 1/2" OD
Gr H
14 # Csg set @
3719' w/ 350 sx
Cmt. Circ? No
TOC @ 1852 by TB
Calc

PBD '
 TD 3825 '

LEASE Chevron H. Leonard (NCT-C) WELL NO. 16 FIELD Drinkard DATE 11/16/89
LOCATION 1980 FEET FROM S LINE AND 2240 FEET FROM W LINE
SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

TD 6815

WELL DATA SHEET

LEASE OXY State "M" WELL NO. 2 FIELD Arrowhead DATE 11-17-88
 LOCATION 1980 FEET FROM S LINE AND 660 FEET FROM W LINE
 SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

GE: 3555
 KDB to GE _____
 DF to GE _____

Date Completed 5/10/40
 Initial Formation Grayburg
 FROM: 3700 TO: 3850
 Initial Production 592 BOPD BWPD
2750 MCFPD 3100 GOR

Completion Data:
 OH Completion _____

Subsequent Workover or Reconditioning:

8 5/8" OD _____ lbs.
 Surf. Pipe set @
329 w/ 225 sx
 cmt. Circ? N/A
 TOC @ surf by Calc

Repaired casing leak
 @ 345'-510'

Repaired casing leak
 503'-688'

Repaired casing leak
 @ 1670'-1701'

Repaired casing leak
 2619'-2650'

6/4/54 - Cleaned out to 3850. Set
 pkr at 3797'. Tested 100%
 water. PB to 3832'. Set pkr
 at 3785'. Acidized w/ 500
 gals.

2/14/57 - Cleaned out to 3832. PB to
 3790 w/ Calseal squeeze w/
 100 sxs. Drilled out to
 3832'. Ran 4" liner 3676-
 3832 w/ 20 sxs. Perforate
 3805-3831'. Acidized w/
 1500 gals.

8/29/69 - SI.

12/18/69 - Repair casing leak 345 -
 510' w/ 350 sxs. Squeezed
 perfs 3805 - 3831 w/ 100
 sxs. Perf 3808 - 12'.
 Acidized w/ 450 gals 15%.
 Squeezed 3808'-12' w/ 60
 sxs. Perf 3790'-3800'.
 Acidized w/ 1000 gals 15%.

8/4/81 Perf 3730, 3735, 3742,
 3755, 3765, 3771, 3778,
 3785. Acidized all perfs
 w/ 1000 gals. 15% HCL.

6/2/87 - Repaired casing leak at
 503 - 688' w/ 250 sxs. Re-
 paired leaks at 1670-1701'
 w/ 1500 gals flockeck & 300
 sxs cement. Squeezed leak
 at 2619 - 2650 w/ 150 sxs.
 Acidized perfs 3730-3800'
 w/ 1000 gals 15% HCL.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

5 1/2" OD
 Gr _____
 # Csg set @
3700 ' w/ 200 sx
 Cmt. Circ? No
 TOC @ 1892 by TB
 Calc

Remarks or Additional Data:
5 1/2" casing in 7" hole
7 5/8" - 11" hole

4" liner 3676'-3832'

Grayburg Perfs
 3790'-3800'
 Squeezed Grayburg Perfs
 3805'-3831'

PBD 3832 '

TD 3850 '

WELL DATA SHEET

LEASE OXY State "M" WELL NO. 1 FIELD Arrowhead DATE 11/17/88
 LOCATION 660 FEET FROM S LINE AND 660 FEET FROM W LINE
 SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

GE: 3544 '
 KDB to GE _____ '
 DF to GE _____ '

Date Completed 1/22/39
 Initial Formation Grayburg
 FROM: 3714 TO: 3840
 Initial Production 454 BOPD 0 BWPD
 nm MCFPD nm GOR

Completion Data:
 OH Completion _____

9 5/8" OD _____ lbs.
 Surf. Pipe set @
1230 w/ 500 sx
 cmt. Circ? NA
 Toe surf by Calc

Subsequent Workover or Reconditioning:
8/22/44 - Acidized w/2000 gals 15%.

8/14/46 - Set OH pkr at 3775'.
 Acidized w/2000 gals 15%.

12/29/57 - Plugged OH back to 3803
 w/Calseal. OH squeeze w/
 100 sxs. Drilled out to
 3836'. Ran 5" liner from
 3662 - 3836'. Perf liner
 3782'-3816'. Acidized w/
 10,000 gals.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

Remarks or Additional Data:
7" casing in 8 5/8" hole.
9 5/8" casing assumed in 11 3/4" hole

5" liner set from
 3662'-3836' w/ 25 sxs

Grayburg Perfs
 3782'-3816'

PBD 3836 '

TD 3840 '

WELL DATA SHEET

LEASE Chevron H. Leonard (NCT-C) WELL NO. 1 FIELD Arrowhead DATE 11/15/88
 LOCATION 660 FEET FROM S LINE AND 1980 FEET FROM W LINE
 SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

GE: 3515 '
 KDB to GE 8 '
 DF to GE 7 '

Date Completed 4/7/39
 Initial Formation Grayburg
 FROM: 3700 TO: 3820
 Initial Production 597 BOPD 0 BWPD
700 MCFPD 11 GOR

Completion Data:
 OH Completion

10 3/4" OD _____ lbs.
 Surf. Pipe set @
280 w/ 250 sx
 cmt. Circ? Yes

Subsequent Workover or Reconditioning:

5/16/45 - Set production pkr @ 3"30'

7/21/46 - Acidized w/2000 gals.

7/17/58 - Fraced w/20,000 gals oil &
 20,000 #'s sand.

12/13/74 - Clean out 23' of scale
 and acidize w/500 gals.
 15% HCL.

1/19/76 - Treated w/177 gals SP216
 and 550 gals 15% HCL.

6/3/86 - Changed out rods and pump-
 ing unit.

9/14/87 - Perf hole 3714-24', 3728-
 38', 3746-51', 3756-61',
 3770-80', 3788-91', and
 3802-04'. Clean out to
 3820. Dump acid w/3000 gal
 15%. Lost two pads from 6"
 casing scrapper in hole.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

Remarks or Additional Data:

6" casing in 7 7/8" hole
 5 3/8" open hole

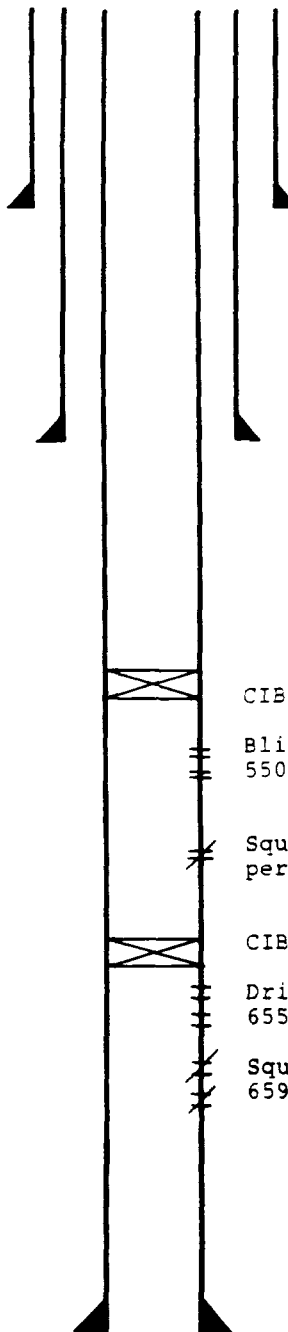
Junk in hole. Two pads from 6" csg
 scrapper

PBD _____

TD 3820

WELL DATA SHEET

LEASE Chevron H. Leclard (NCT-C) WELL NO. 10 FIELD TA DATE 11/16/88
 LOCATION 760 FEET FROM S LINE AND 2080 FEET FROM W LINE
 SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3518 '
 KDE to GE '
 DF to GE '

13 3/8" OD 48 lbs.
Surf. Pipe set @
320' w/ 450' sx
cmt. Circ? Yes

9 5/8" OD
Gr J-55
36# Csg set at
3906' w/ 2950' sx
Cmt. Circ? No
TOC at 1340' by
TS

CIBP @ 5480'

Blinebry Perfs
 5509'-5761'

Squeeze cmt through
 perfs @ 5910'-5911'

CIBP @ 6480'

Drinkard Perfs
 6555'-6594'

Squeezed Drinkard Perfs
 6595'-6804'

5 1/2" OD
Gr J-55
14 & 15.5# Csg set @
6870' w/ 200' sx
Cmt. Circ? No
TOC @ 5950' by TS

cmt 5911 - 4985'.

Date Completed 6/19/57

Initial Formation Drinkard
 FROM: 6555 TO: 6594
 Initial Production 84 BOPD 33 BWPD
206 MCFPD 2452 GOR

Completion Data:

Set cmt plugs 9800 - 9930', 9445 -
 9600', 8300 - 8550', 6880 - 6900',
 6870 - 6920'. Perf Drinkard 6555 -
 6804'. Test, treated. Final Drinkard
 perfs 6555 - 6594'. Acidized w/1000
 gals 15%. Fraced w/15,000 gals oil &
 15,000 #'s sand.

Subsequent Workover or Reconditioning:

5/17/72 - TA Drinkard. Set CIBP @
 6480'. Perf 5910-11 to
 pump cmt. Pumped 300 sx
 cmt. TOC by TS @ 4985'.
 Perf Blinebry 5509-5761'.
 Broke perfs w/300 gals.
 Frac w/38,106 gal GBW &
 50,000 #'s sand.

5/17/74 - Dump acid w/750 gals 15%
 HCL.

8/23/76 - Dump acid w/1000 gals 15%
 HCL.

7/14/83 - Set CIBP @ 5480'.

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:

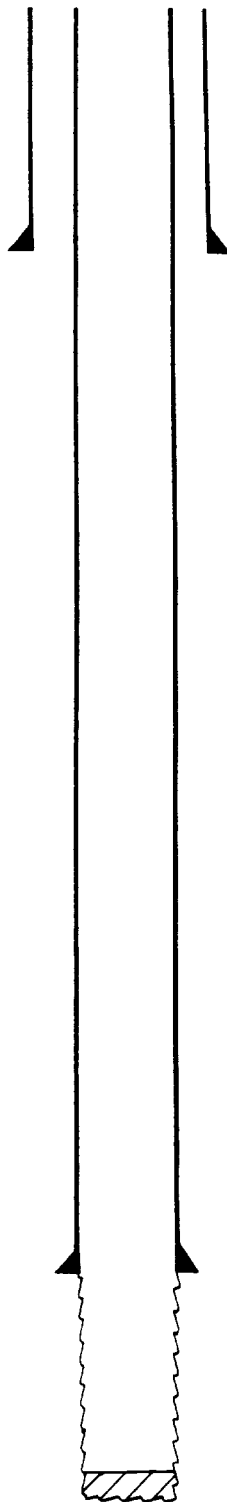
5 1/2" casing in 7 7/8" hole

PBD 5480 '
 TD 9930 '

WELL DATA SHEET

AGU 143 51

LEASE Arco State "D" DE WELL NO. 1 FIELD Arrowhead DATE 11/18/88
 LOCATION 330 FEET FROM S LINE AND 2310 FEET FROM E LINE
 SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3509 '
 KDB to GE '
 DF to GE '

8 5/8" OD 28 lbs.
 Surf. Pipe set @
1161 w/ 650 sx
 cmt. Circ? N/A
 TOC @ calc

Date Completed 5/39
 Initial Formation Grayburg
 FROM: 3711 TO: 3809
 Initial Production 273 BOPD 0 BWPD
 nm MCFPD nm GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:

5/41 - Acidized w/4000 gals.

9/41 - Set packer 3736-43 to shut-off gas. Reset @ 3"26".

5/79 - Dump acid w/500 gals.

11/88 - String shot open hole, cleaned out to 3800', acidized w/ 5000 gals. 15% HCL.

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
5 1/2" in 6 3/4" hole

5 1/2 " OD
 Gr
 17 # Csg set @
3711 ' w/ 75 sx
 Cmt. Circ? No
 TOC @ 3801 by TS
 calc

PBD 3800 '

TD 3809 '

WELL DATA SHEET

LEASE Hanson Shell State WELL NO. 1 FIELD Blinebry DATE 11/17/88
 LOCATION 66° FEET FROM S LINE AND 1650 FEET FROM E LINE
 SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

GE: 3493 '
 KDB to GE 9 '
 DF to GE '

Date Completed 1/9/75
 Initial Formation Blinebry/Drinkard
 FROM: 5514/6499 TO: 5841/6542
 Initial Production 131/165 BOPD 10/15 BW
80/200 MCFPD 610
1212 GOR

Completion Data:
Perf Drinkard 6499-6542. Acidize and
frac. Perf Blinebry 5514 - 5841.
Acidize & frac. Dual complete.

8 5/8" OD 23 lbs.
 Surf. Pipe set @
1160 w/ 450 sx
 cmt. Circ? Yes

Subsequent Workover or Reconditioning:
2/4/80 - Downhole commingle.

12/11/80 - TA Drinkard w/CIBP @
6025'. Acidize Blinebry
w/3500 gals.

Blinebry Perfs
5514'-5841'

CIBP @ 6025'

Drinkard Perfs
6499'-6542'

5 1/2" OD
 Gr
15.5# Csg set @
6853 ' w/ 450 sx
 Cmt. Circ? No
 TOC @ 3800 by TS

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

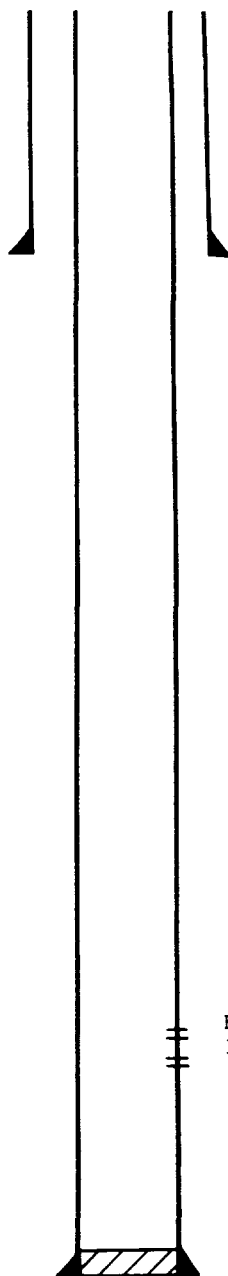
Remarks or Additional Data:
5 1/2" in 7 7/8" hole

PBD 6025 '

TD 6855 '

WELL DATA SHEET

LEASE Meridian Shell State Com "D" WELL NO. 12 FIELD Eumont DATE 11/13/55
 LOCATION 660 FEET FROM S LINE AND 1980 FEET FROM E LINE
 SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3500 '
 KDB to GE 11 '
 DF to GE '

8 5/8" OD 32 lbs.
 Surf. Pipe set @
1133 w/ 400 sx
 cmt. Circ? Yes

Eumont Perfs
 3358'-3439'

5 1/2 " OD
 Gr J-55
15.5# Csg set @
3564 ' w/ 650 sx
 Cmt. Circ? No
 TOC @ 98 by DB
 Calc

Date Completed 11/13/55
 Initial Formation Eumont
 FROM: 3358 TO: 3439
 Initial Production 0 BOPD 0 BWPD
 42,500 MCFPD - GOR

Completion Data:
 Perf Eumont 3358 - 3439'. Fraced.

Subsequent Workover or Reconditioning:

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
5 1/2" in 7 7/8" hole

PBD '
 TD 3564 '

• 7 1

A vertical tube with a hatched base. To the right of the tube, the label "D 6" is written, with three horizontal lines above the "6".

8 5/8" OD 24 lbs.
Surf. Pipe set @
1195 w/ 400 sx
cmt. Circ? Yes

Completion Data:
Perf Drinkard 6491 - 6606'. Acidized
and fraced.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD 6758
TD 6815

LEASE Chevron H.T. Mattern (NCT-F) WELL NO. 2 FIELD Arrowhead DATE 11/22/88LOCATION 660 FEET FROM N LINE AND 660 FEET FROM E LINESECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3476 '
 KDB to GE 12.5 '
 DF to GE '

8 5/8" OD 24 lbs.
 Surf. Pipe set @
358 w/ 200 sx
 cmt. Circ? Yes

Date Completed 2/14/72Initial Formation GrayburgFROM: 3652 TO: 3799Initial Production 62 BOPD 8 BWPD
nm MCFPD nm GOR

Completion Data:

Perf 3652 - 54', 3704 - 06', 3734 -
36', 3797 - 99'. Acidized w/
500 gals. Fraced w/5000 gal
GBW w/1-3 #'s spg. Completed
pumping.

Subsequent Workover or Reconditioning:

8/12/80 - Dump acid w/1000 gals 15%.

Grayburg Perfs
3652'-3799'

5 1/2" OD
 Gr K-55
15.5# Csg set @
3900 ' w/ 425 sx
 Cmt. Circ? No
 TOC @ 2153 by TS

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD 3860 'TD 3900 '

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-F) WELL NO. 1 FIELD Arrowhead DATE 11/22/88
 LOCATION 660 FEET FROM N LINE AND 1980 FEET FROM E LINE
 SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3501
 KDB to GE 12
 DF to GE

Date Completed 12/12/38
 Initial Formation Grayburg
 FROM: 3705 TO: 3805
 Initial Production 70 BOPD 0 BWPD
176 MCFPD 2514 GOR

Completion Data:
 Acidized w/ 0000 gals

10 3/4" OD 32.75 lbs.
 Surf. Pipe set @
293 w/ 275 sx
 cmt. Circ? Yes

Subsequent Workover or Reconditioning:
3/20/43 - Set production packer at
3751'

4/9/56 - Plugged back to 3786 w/ 24
 gals Hydromite. Fraced w/
10,000 gals visco frac w/
1# spg.

8/21/67 - Dump acid w/ 500 gals 15#
 HCL.

2/26/68 - Installed pumping unit.

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

6 " OD
 Gr C & D
16 # Csg set @
3705 ' w/ 400 sx
 Cmt. Circ? No
 TOC @ 2415 by TS

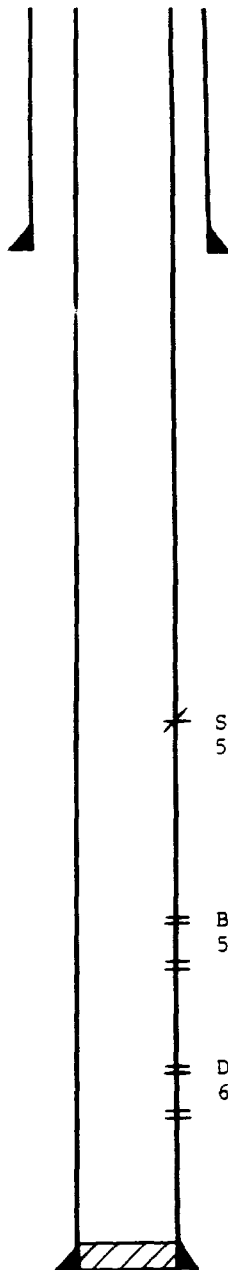
Remarks or Additional Data:
6" in 7 7/8" hole
5 3/8" open-hole

PBD 3786 '

TD 3805 '

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-F) WELL NO. 4 FIELD Blinebry/Drinkard DATE 11 22 88
 LOCATION 660 FEET FROM N LINE AND 1650 FEET FROM E LINE
 SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3496 '
 KDB to GE 13.6 '
 DF to GE '

8 5/8" OD 24 lbs.
 Surf. Pipe set @
1139 w/ 440 sx
 cmt. Circ? Yes

* Squeezed Perfs
 5452'

== Blinebry Perfs
 5548'-5700'

== Drinkard Perfs
 6512'-6684'

5 1/2" OD
 Gr K-55
15.5# Csg set @
6800 ' w/ 700 sx
 Cmt. Circ? No
 TOC @ 2346 by TS

Date Completed 7/25/75
 Initial Formation Drinkard
 FROM: 6512 TO: 6684
 Initial Production 51 BOPD 18 SWPD
nm MCFPD nm GOR

Completion Data:
Perf Drinkard 6512 - 6684'. Acidized
and fraced.

Subsequent Workover or Reconditioning:
7/21/76 - Perf Blinebry 5548 - 5700'
Acidized and fraced. Down
hole commingled Blinebry
and Drinkard.

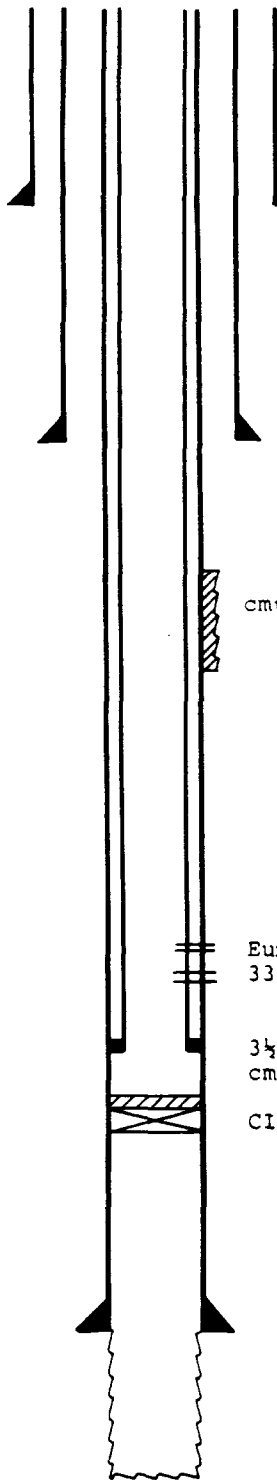
10/13/76 - Perfed 5452 and squeezed
w/25 sxs to shut-off
water flow.

Present Prod. BOPD SWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD 6761 '
 TD 6800 '

WELL DATA SHEET

LEASE Marathon Saunders WELL NO. 1 FIELD Eumont Gas DATE 11/21/38LOCATION 660 FEET FROM N LINE AND 1980 FEET FROM W LINESECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3527 '
 KDB to GE '
 DF to GE 12 '

10 3/4" OD 40 lbs.
 Surf. Pipe set @
292 w/ 250 sx
 cmt. Circ? N/A
 TOC @ Surf by Calc

7 5/8" OD 26.4 #
 Csg set at
1196 ' w/ 400 sx
 Cmt. Circ? N/A
 TOC at Surf ' by
TS Calc

cmt circ. hole @ 2195'

Eumont Perfs
 3378'-3454'

3 1/2" csg. set @ 3628'
 cmt w/ 225 sx circ.

CIBP @ 3640'

5 1/2" OD
 Gr
17 # Csg set @
3700 ' w/ 200 sx
 Cmt. Circ?
 TOC @ 1893 by TS

Calc

Date Completed 1/10/39
 Initial Formation Grayburg
 FROM: 3700 TO: 3830
 Initial Production 936 BOPD 0 SWPD
1200 MCFPD 1282 GOR

Completion Data:
 OH Completion

Subsequent Workover or Reconditioning:
8/19/57 - Set BP @ 3640' w/1.5 sx
 cmt on top. Perf casing at
 2195'. Ran rtn to 2053 to
 circ cement. Circ cement
 but could not hold pres-
 sure at the squeeze perf.
 Drilled out to 3630'. Ran
3 1/2" casing to 3628' and
 cemented w/225 sx. (circ)
 Perf Eumont 3378 - 3405,
 3416 - 3454'. Treated w/
 10,500 gals & 10,000 #'s
 sand.

Present Prod. BOPD BOPD
 MCFPD GOR
 Date

Remarks or Additional Data:
5 1/2" in 7" hole

PBD 3630 '

TD 3830 '

LEASE Marathon Saunders WELL NO. 3 FIELD Blinebry DATE 11/21/88
LOCATION 430 FEET FROM N LINE AND 2307 FEET FROM W LINE
SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

Date Completed 2/10/79
Initial Formation Drinkard
FROM: 6533 TO: 6621
Initial Production 201 BOPD 254 SWPD
361 MCFPD 1736 GOR

Perf Drinkard. Acidize and frac.
CIBP @ 6675' with perfs 6683 - 9
below.

9 5/8" OD 32 lbs.
Surf. Pipe set @
1391 w/ 700 sx
cmt. Circ? Yes

DV tool @ 3932'

Blinebry Perfs
5518'-5870'
Cmt Retainer @ 5960'
Squeeze Perf @ 5980'
w/ 50 sxs cmt.

CIBP @ 6160'

Drinkard Perfs
6533'-6621'

CIBP @ 6675'

Drinkard Perfs
6683'-6692'

7 " OD
Gr

Csg set @
6788 ' w/ 2200 sx
Cmt. Circ? _____
TOC @ 4100 by CBL
* first stage
second stage circ

Present Prod. _____ FCFD _____ BWPD _____
 _____ MCFPD _____ GCR _____
 _____ Date _____

Remarks or Additional Data:
7" in 8 3/4" hole

PBD	<u>6160</u>
TD	6800

WELL DATA SHEET

LEASE Marathon Saunders WELL NO. 2 FIELD Arrowhead DATE 1-19-41
 LOCATION 660 FEET FROM N LINE AND 660 FEET FROM N LINE
 SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3553 '
 KDB to GE '
 DF to GE '

Date Completed 12/8/38
 Initial Formation Grayburg
 FROM: 3747 TO: 3850
 Initial Production 912 BOPD BWPD
1600 MCFPD 175 GOR

Completion Data:

OH Completion

12 1/4 " OD lbs.
 Surf. Pipe set @
125 ' w/ 100 sx
 Cmt. Circ? N/A
 TOC @ Surf. by Calc.

9 5/8 " OD 36 lbs.
 Thd Gr
 Csg set at
1220 ' w/ 600 sx
 Cmt. Circ? N/A
 TOC at Surf. by
~~VSX~~ Calc.

Subsequent Workover or Reconditioning:

No reports.

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

7 " OD
 Gr

 # Csg set @

3747 ' w/ 300 sx Remarks or Additional Data:

Cmt. Circ? No

TOC @ 1903 by Calc. 7" casing in 8 3/4" hole

PBD '
 TD 3850 '

WELL DATA SHEET

AGU 12 01

LEASE Conoco Lockhart B-1 WELL NO. 1 FIELD Arrowhead DATE 11/21/88
 LOCATION 1980 FEET FROM N LINE AND 660 FEET FROM W LINE
 SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3519 '
 KDB to GE '
 DF to GE 10 '

Date Completed 9/22/38
 Initial Formation Grayburg
 FROM: 3739 TO: 3825
 Initial Production 1200 BOPD 0 BWPD
1120 MCFPD 933 GOR

Completion Data:
 OH Completion

10 3/4" OD 30.51 #
 Surf. Pipe set @
 274' w/ 225' sx
 Cmt. Circ? N/A
 TOC @ Surf by Calc

Squeezed casing
 leaks @ 761' & 994'
 w/ 150 sxs.

7 5/8" OD 26.4 #
 Csg set at
 1282' w/ 425' sx
 Cmt. Circ? N/A
 TOC at Surf by
PS Calc

Subsequent Workover or Reconditioning:

2/16/55 - Squeezed casing leaks @
 761' & 994' w/150 sxs.

4/20/55 - Installed pumping unit.

12/30/80 - String shot 3769-3819'.
 Acidized w/5460 gals 15%
 HCL.

5/15/84 - Acidized w/500 gals 15%
 HCL.

9/19/84 - Acidized w/500 gals 15%
 HCL.

2/22/85 - Clean out to 3825'. String
 shot 3770-3825. Acidized
 w/3780 gals 15% HCL.

5/7/86 - Acidized w/1050 gals 6% HCL.

8/27/86 - String shot 3750-3825.
 Acidize w/3360 gals.

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

5 1/2" OD
 Gr
 14 & 17# Csg set @
 3739' w/ 425' sx
 Cmt. Circ? N/A
 TOC @ Surf by PS
Calc

Remarks or Additional Data:

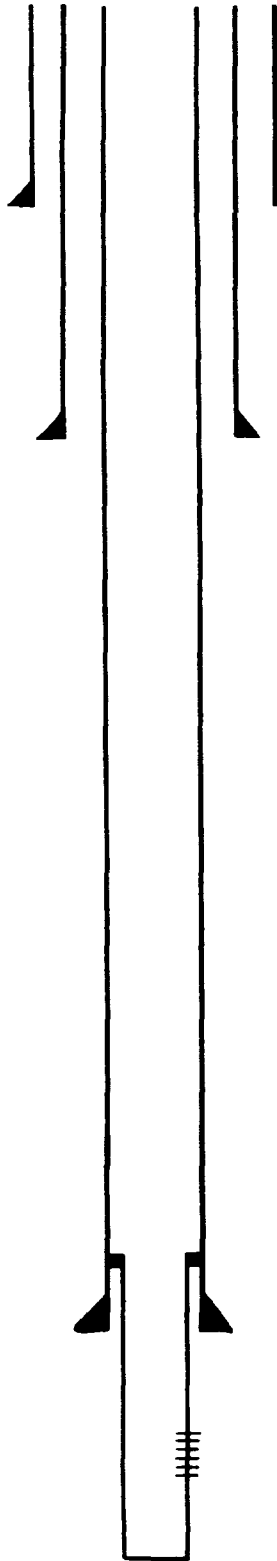
10 3/4" in 13 3/4" hole
 7 5/8" in 9 7/8" hole
 5 1/2" in 6 3/4" hole

PBD '

TD 3825 '

WELL DATA SHEET

LEASE Conoco Lockhart B-1 WELL NO. 2 FIELD Arrowhead DATE 11 21 68
 LOCATION 1980 FEET FROM N LINE AND 1980 FEET FROM W LINE
 SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3514 '
 KDB to GE 10 '
 DF to GE 10 '

Date Completed 11/11/38
 Initial Formation Grayburg
 FROM: 3731 TO: 3810
 Initial Production 1800 BOPD 0 BWPD
1400 MCFPD 0.78 GOR

Completion Data:
 OH Completion

10 3/4" OD 32.75 #
 Surf. Pipe set @
267 w/ 225 sx
 Cmt. Circ? N/A
 TOC @ surf by calc

7 5/8" OD 26.4 #
 Csg set at
1217 w/ 425 sx
 Cmt. Circ? N/A
 TOC at surf by
TS calc

Subsequent Workover or Reconditioning:
1/9/50 - Acidize w/1000 gals.

2/1/61 - Deepened to 3860'. Set 3 1/2" liner 3678 - 3860'. Perf 3800 - 35'. Acidize w/6000 gals 15% HCL.

12/18/85 - Perf 3740 - 86'. Acidize w/1680 gals 15% HCL. Clean out to 3847'.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

5 1/2" OD
 Gr _____
17 # Csg set @
3731 w/ 425 sx
 Cmt. Circ? No
 TOC @ surf by TS calc

Remarks or Additional Data:

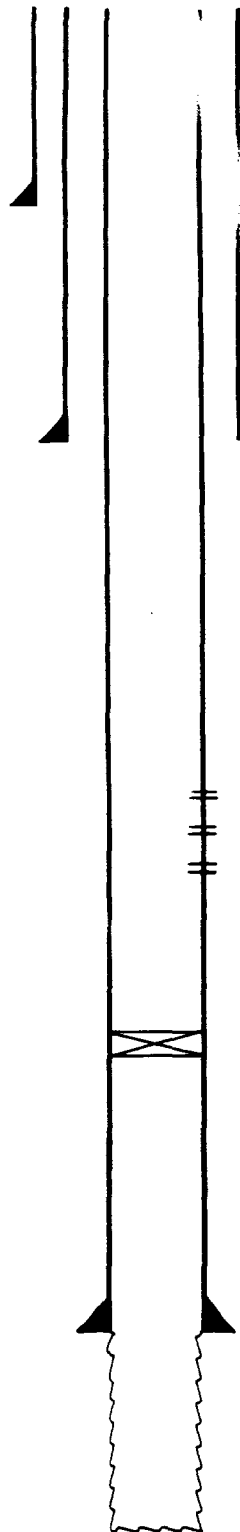
10 3/4" - 13 3/4" hole
7 5/8" - 9 7/8" hole
5 1/2" - 6 1/4" hole

3 1/2" liner 3678'-3860'
Grayburg Perfs
3740'-3835'

PBD _____ '
 TD 3860 '

WELL DATA SHEET

LEASE Conoco Lockhart B-1 WELL NO. 4 FIELD Eumont Gas DATE 11 21 88
 LOCATION 1980 FEET FROM N LINE AND 2310 FEET FROM E LINE
 SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3103 '
 KDB to GE 10 '
 DF to GE 10 '

10 3/4" OD #
 Surf. Pipe set @
257 w/ 200 sx
 Cmt. Circ? N/A
 TOC at Surf by calc

7 5/8" OD 26.4 #
 Csg set at
1163 ' w/ 425 sx
 Cmt. Circ? N/A
 TOC at Surf by
TS calc

Eumont Perfs
3372'-3544'

CIBP @ 3655'

5 1/2" OD
 Gr
17 # Csg set @
3727 ' w/ 425 sx
 Cmt. Circ? NO
 TOC @ Surf by TS
Calc

Date Completed 2/15/39
 Initial Formation Grayburg
 FROM: 3727 TO: 3800
 Initial Production 1128 BOPD 0 BWPD
702 MCFPD 523 GCR

Completion Data:
Open-hole completion.

Subsequent Workover or Reconditioning:
2/25/57 - Clean-out to 3800'. Perf
Eumont 3494 - 3544'. Frac.
Perf 3372 - 3461'. Frac.
Dual complete.

7/9/74 - CO to 3800'. Set CIBP @
3655. T/A Grayburg.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GCR
 _____ Date _____

Remarks or Additional Data:

10 3/4" in 13 3/4" hole
7 5/8" in 9 1/8" hole
5 1/2" in 6 3/4" hole

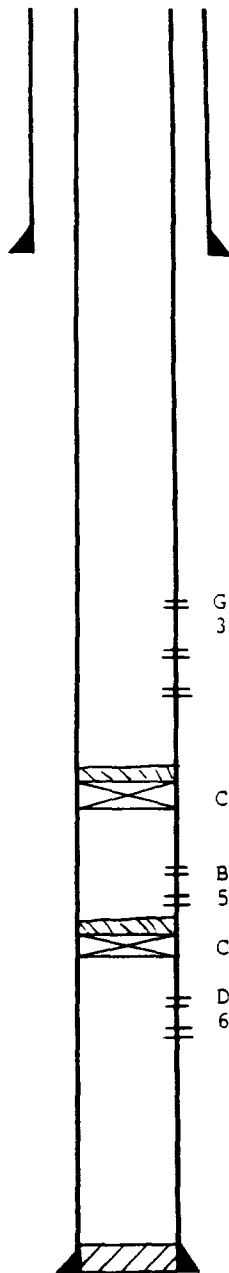
PBD 3655 '

TD 3800 '

WELL DATA SHEET

AGU 160 12

LEASE Conoco Lockhart B-1 WELL NO. 7 FIELD Arrowhead DATE 11.21.88
 LOCATION 1980 FEET FROM N LINE AND 1830 FEET FROM E LINE
 SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3496 '
 KDB to GE 10 '
 DF to GE 10 '

9 5/8" OD 36 & 32 lbs
 Surf. Pipe set @
 1123 w/ 700 sx
 cmt. Circ? Yes

Date Completed 11/11/72
 Initial Formation Blaineby Drinkard
 FROM: 5567 TO: 6734
 Initial Production 35 BCPD 680 SWPD
150 MCFPD 4286 GOR

Completion Data:
 Perf and stimulate Drinkard and
 Blaineby separately.

Subsequent Workover or Reconditioning:

1/28/88 - Recomplete to Grayburg.
 Set CIBP's at 6510 & 5500
 w/6 sxs cmt each. Perf
 3802 - 20'. Acidize w/2000
 gals. Perf 3745 - 78'.
 Acidize w/2500 gals. Perf
 3701 - 26'. Acidize w/2500
 gals.

Grayburg Perfs
 3701'-3820'

CIBP @ 5500' w/35' cmt

Blaineby Perfs
 5567'-5744'

CIBP @ 6510' w/35' cmt

Drinkard perfs
 6557'-6734'

7" OD
 Gr
 23 & 26# Csg set @
 6860' w/ 700 sx
 Cmt. Circ? No
 TOC @ 3100 by TS

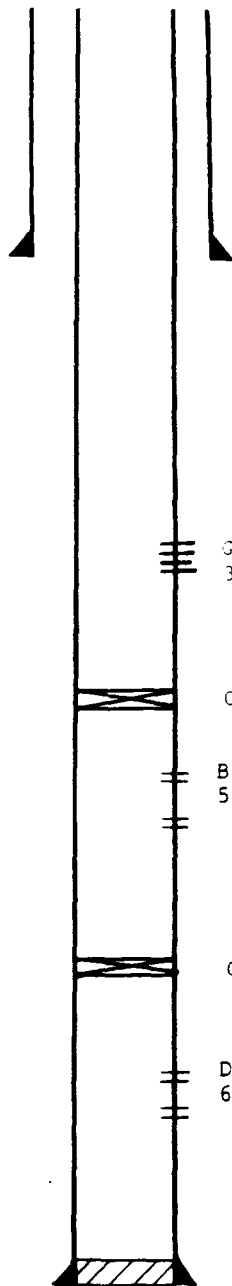
Present Prod. _____ BOPD _____ BWPD _____
 _____ MCFPD _____ GOR _____
 _____ Date _____

Remarks or Additional Data:
 7" in 8 3/4" hole

PBD 5500 '
 TD 6860 '

WELL DATA SHEET

LEASE Conoco Lockhart B-1 WELL NO. 8 FIELD Arrowhead DATE 11/21/88
 LOCATION 1980 FEET FROM N LINE AND 660 FEET FROM E LINE
 SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3483 '
 KDB to GE 11 '
 DF to GE 11 '

8 5/8" OD 20 lbs.
 Surf. Pipe set @
1150 w/ 600 sx
 cmt. Circ? Yes

Grayburg Perfs
 3706' - 3824'

CIBP @ 5500' w/4 sxs

Blinebry Perfs
 5538' - 5776'

CIBP @ 5500' w/4 sxs

Drinkard Perfs
 6504' - 6767'

5 1/2" OD
 Gr 14 # Csg set @
6860 ' w/ 550 sx
 Cmt. Circ? No
 TOC @ 3630 by TS

Date Completed 3/1/74
 Initial Formation Blinebry/Drinkard
 FROM: 5538 TO: 6767
 Initial Production 63 BOPD 222 BWPD
558 MCFPD 8857 GOR

Completion Data:
 Perf Drinkard 6504 - 6767'. Acidize
 & fraced. Perf Blinebry 5538 - 5776.
 Acidize and fraced.

Subsequent Workover or Reconditioning:
2/17/88 - Shut-in.

10/88 - Testing Grayburg.

Set CIBP's @ 6485' &
 5500'. Perf Grayburg
 3706' - 3824'. Acidized
 w/120 Bbls 15% NEA.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

Remarks or Additional Data:

PBD _____

TD 6860

5

A diagram of a vertical column. The base is a hatched rectangle. Two sets of horizontal lines are drawn on the right side of the column. The upper set is labeled 'B 5' and the lower set is labeled 'D 6'.

8 5/8" OD 20 lbs.
Surf. Pipe set @
1140 w/ 60 sx
cmt. Circ? Yes

Drinkard Perfs
6570'-6760'

Date Completed 7/1/74
Initial Formation Blaineby Drunkard
FROM: 5551 TO: 6760
Initial Production 26 BOPD 64 SWPD
nm MCPPD nm GCR

Completion Data:
Perf Drinkard 6570 - 6760'. Acidize
& fraced. Perf Blinbry 5551 - 5830.
Acidized.

Downhole commingled.

Subsequent Workover or Reconditioning:

2/75 Downhole Comingle

4/90 Repaired Wellhead

Present Prod. _____ BOPD _____ SWPD _____
 _____ MCFPD _____ GOR _____
 _____ Date _____

Remarks or Additional Data:

PBD _____
TD 6900 _____

WELL DATA SHEET

LEASE Conoco Lockhart B-1 WELL NO. 3 FIELD Arrowhead DATE 11/21 88
 LOCATION 1980 FEET FROM S LINE AND 1980 FEET FROM E LINE
 SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3492 '
 KDB to GE 10 '
 DF to GE 10 '

Date Completed 1/2/39
 Initial Formation Grayburg
 FROM: 3682 TO: 3802
 Initial Production 936 BOPD 0 SWPD
324 MCFPD 346 GOR

Completion Data:
 Shot 3730 - 3802 w/180 gts SNG

10 3/4" OD 32.75 #
Surf. Pipe set @
275' w/ 225' sx
cmt. Circ? N/A
TOC surf by Calc

7 5/8" OD 26.4 #
Csg set at
1151' w/ 425' sx
Cmt. Circ? N/A
TOC at surf by
Calc

Subsequent Workover or Reconditioning:

1/6/50 - Acidized w/1000 gals.

4/14/55 - Installed pumping unit.

10/23/79 - Acidized w/500 gals

2/8/85 - CO to 3782'.

4/1/87 - Deepened to 3840'. Acidized
w/6300 gals 15%.

Present Prod. _____ BOPD _____ SWPD _____
 _____ MCFPD _____ GOR
 _____ Date _____

5 1/2" OD
Gr
17 # Csg set @
3682' w/ 425' sx
Cmt. Circ? No
TOC @ surf by
Calc

Remarks or Additional Data:

5 1/2" in 6 3/4" hole
7 1/8" in 9 7/8" hole
10 3/4" in 13 3/4" hole

PBD _____

TD 3840

WELL DATA SHEET

AG 16701

LEASE Chevron H.T. Mattern (NCT-E) WELL NO. 2 FIELD Arrowhead DATE 11-22-81
 LOCATION 1980 FEET FROM S LINE AND 1980 FEET FROM W LINE
 SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3501 '
 KDB to GE 8 '
 DF to GE 6.5 '

Date Completed 9/10/38
 Initial Formation Grayburg
 FROM: 3695 TO: 3770
 Initial Production 903 BOPD 0 BWPD
1382 MCFPD 1752 GCR

Completion Data:
OH Completion

13 " OD lbs.
 Surf. Pipe set @
279 w/ 285 sx
 cmt. Circ? Yes

Subsequent Workover or Reconditioning:
5/9/45 - Set packer at 3640' to shut
off water from suspected
casing leak.

2/22/51 - Installed gas lift and
acidized w/ 1000 gals.

11/27/52 - Installed rod pump.

Present Prod. BOPD BWPD
 MCFPD GCR
 Date

Remarks or Additional Data:
6" casing in 7 7/8" OH

5 3/8" open-hole

Junk in hole: pump hold down

6 " OD
 Gr D
16 # Csg set @
3695 ' w/ 400 sx
 Cmt. Circ?
 TOC @ 1090 by T8
calc

PBD '

TD 3770 '

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-E) WELL NO. 1 FIELD Arrowhead DATE 11/22/88
 LOCATION 1980 FEET FROM S LINE AND 660 FEET FROM W LINE
 SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3522 '
 KDB to GE 6.5 '
 DF to GE 5.0 '

Date Completed 8/1/38
 Initial Formation Grayburg
 FROM: 3725 TO: 3790
 Initial Production 1332 BOPD 0 BWPD
1300 MCFPD 976 GOR

Completion Data:
 OH Completion

13 " OD 40 lbs.
 Surf. Pipe set @
290 w/ 225 sx
 cmt. Circ? Yes

repaired casing leak
 571'-601' cmt. to surf.

repaired casing leak
 1010' to 1200' w/350 sxs

Subsequent Workover or Reconditioning:
 12/10/49 - Installed gas lift system

9/28/50 - Dumped 150 gals acid down
 back side.

11/26/52 - Installed rod pump.

3/29/88 - Repaired casing leak 571-
 601' w/545 sxs cmt. Circ.
 cmt. Perf OH 3720 - 3790.
 Acidize w/2500 gals 15%
 HCL

1/1/91 - Repaired Casing leak
 1010' to 1200' w/350 sxs.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

6 " OD
 Gr D
16 # Csg set @
3725 ' w/ 400 sx
 Cmt. Circ? No
 TOC @ 1120 by TS
Calc

Remarks or Additional Data:
6" in 7 7/8" hole 11" hole to 1483'
5 3/8" open-hole

PBD _____

TD 3790 '

WELL DATA SHEET

AG 177 W±

LEASE Chevron H.T. Mattern (NCT-E) WELL NO. 4 FIELD Arrowhead DATE 11.22.8
 LOCATION 660 FEET FROM S LINE AND 660 FEET FROM W LINE
 SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3495 '
 KDB to GE 5.5 '
 Dr to GE _____

Date Completed 5/4/39
 Initial Formation Grayburg
 FROM: 3700 TO: 3790
 Initial Production 1272 BOPD 0 SWPD
961 MCFPD 56 GOR

Completion Data:
OH Completion

10 3/4" OD 51 lbs.
 Surf. Pipe set @
289 w/ 275 sx
 cmt. Circ? Yes

repaired casing leak
339'-519' cmt. from
1000' to surface

Subsequent Workover or Reconditioning:
6/23/49 - Installed gas lift.

1/30/51 - Unset packer.

12/9/52 - Replaced gas lift w/rod
 pump.

11/8/55 - Repaired casing leak 339-
519' by perforating casing
 at 1000' and squeezing @
1000' w/ 928 sxs. Cmt.
 circ.

Present Prod. _____ BOPD _____ SWPD
 _____ MCFPD _____ GOR
 _____ Date _____

6 " OD
 Gr _____
16 # Csg set @
3700 ' w/ 350 sx
 Cmt. Circ? No
 TOC @ 2475 by TS

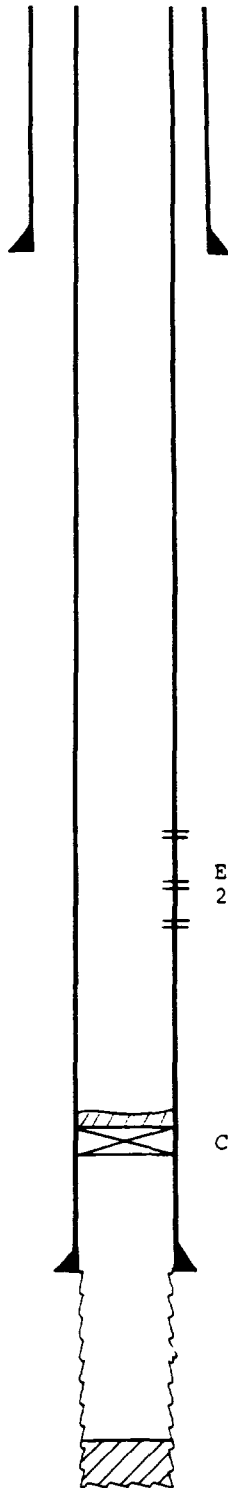
Remarks or Additional Data:
6" casing in 7 7/8" hole
5 3/8" open-hole

Cmt from 1000' to surface

PBD _____ '
 TD 3790 _____ '

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-E) WELL NO. 10 FIELD Eumont Gas DATE 11 22 4
 LOCATION 660 FEET FROM S LINE AND 1980 FEET FROM W LINE
 SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3499 '
 KDB to GE '
 DF to GE 5 '

9 5/8" OD 25.7 lbs.
 Surf. Pipe set @
 290 w/ 200 sx
 cmt. Circ? yes

Eumont Perfs
 2682'-3555'

CIBP @ 3685' w/20' cmt

5 1/2" OD
 Gr H
 14 # Csg set @
 3705' w/ 400 sx
 Cmt. Circ?
 TOC @ 1571 by T8
 Calc

Date Completed 5/30/40
 Initial Formation Grayburg
 FROM: 3705 TO: 3790
 Initial Production 1664 BOPD 0 BWPD
2110 MCFPD 1268 GOR

Completion Data:
 OH Completion.

Subsequent Workover or Reconditioning:
 6/17/49 - Installed gas lift.

11/4/52 - Installed rod pump.

8/13/57 - PB to 3756 w/32 gals
 Hydromite. Frac 3717 -
 3756 w/5250 gals gelled
 oil w/1# spg. PB to 3746
 w/10 gals Hydromite. Frac
 3717 - 3746 w/3800 gals
 gelled oil w/1 # spg. Set
 CIBP @ 3685' w/2 sxs cmt
 on top. Tested casing
 okay. Perf Eumont 2682-
 3555. Acidized and fraced.

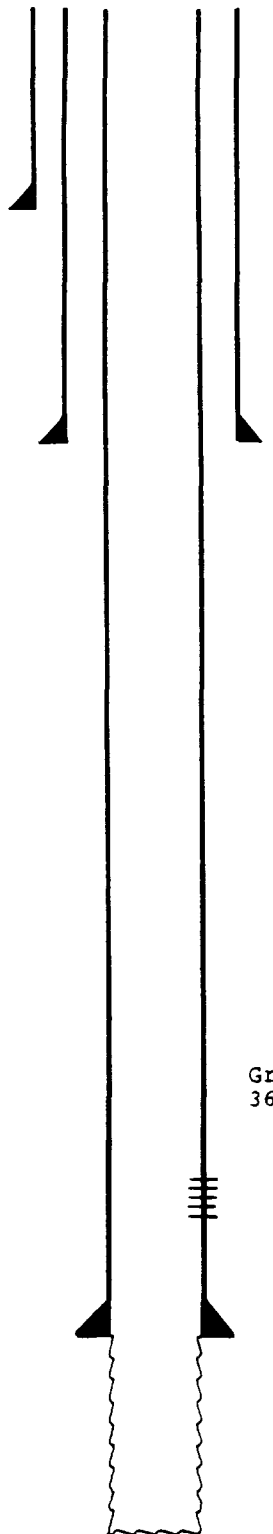
Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
 5 1/2" in 7 7/8" hole
 4 3/4" OH

PBD 3685 '
 TD 3790 '

WELL DATA SHEET

LEASE Conoco Lockhart B-1 WELL NO. 5 FIELD Arrowhead DATE 11 21 80
 LOCATION 660 FEET FROM S LINE AND 1980 FEET FROM E LINE
 SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3479 '
 KDB to GE 10 '
 DF to GE 10 '

10 3/4" OD 32.75 #
 Surf. Pipe set @
269 w/ 225 sx
 cmt. Circ? N/A
 TOC @ surf by Calc

7 5/8" OD 26.4 #
 Csg set at
1131 ' w/ 425 sx
 Cmt. Circ? N/A
 TOC at surf by Calc

Grayburg Perfs
3634'-3690' =

5 1/2" OD
 Gr 17 # Csg set @
3694 ' w/ 425 sx
 Cmt. Circ? N/A
 TOC @ surf by Calc

Date Completed 6/5/40
 Initial Formation Grayburg
 FROM: 3640 TO: 3789
 Initial Production 60 BOPD 0 BWPD
150 MCFPD 2500 GOR

Completion Data:
 Acidized 3715 - 39' w/ 1000 gals.
 Acidized 3695 - 3759' w/ 2500 gals.
 Perf 3640 - 90' Acidized w/ 500 gals

Subsequent Workover or Reconditioning:
4/4/50 - Acidize perfs w/1000 gals
20% HCL.
4/17/55 - Installed pumping unit.
2/17/60 - Perf 3634 - 84'. Frac
3634 - 3759 w/8000 gals
acid & 8000 #'s sand. CO
to 3759'.
7/14/79 - Acidize w/500 gals.
7/1/87 - CO to 3789. Acidize w/5460
gals.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 Date _____

Remarks or Additional Data:

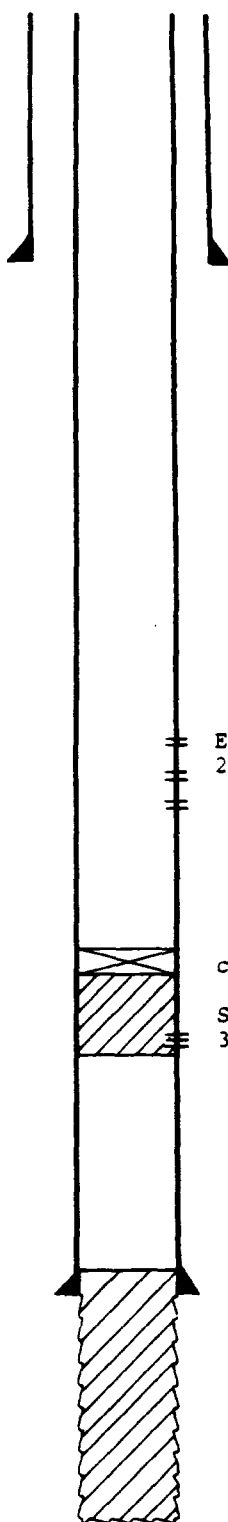
5 1/2 in 6 1/2" hole
7 5/8 in 8 1/4" hole
10 3/4 in 12 1/2" hole

PBD _____

TD 3789

WELL DATA SHEET

LEASE Conoco Lockhart B-1 WELL NO. 6 FIELD Eumont Gas DATE 11/21/88
 LOCATION 660 FEET FROM S LINE AND 660 FEET FROM E LINE
 SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3471 '
 KDB to GE '
 DF to GE 10 '

9 5/8" OD 32.3 lbs.
 Surf. Pipe set @
1106 w/ 425 sx
 cmt. Circ? N/A
 Toc @ surf by calc

Eumont Perfs
 2910'-3535'

cmt rtn @ 3550'

Squeezed Eumont Perfs
 3550'-3610'

7 " OD
 Gr
 20 # Csg set @
3666 ' w/ 425 sx
 Cmt. Circ? No
 TOC @ 1056 by TS
 calc

Date Completed 3/3/44
 Initial Formation Eumont
 FROM: 2910 TO: 3610
 Initial Production 0 BOPD 0 BWPD
 206 MCFPD GOR

Completion Data:
 Acidize 3675 - 3757 w/6000 gals. PB
 to 3655 w/30 sxs. Perf 2910 - 3610 '.

Subsequent Workover or Reconditioning:
11/30/70 - Set retainer at 3550' w/
50 sx cmt. Acidize 2910 -
3535 w/1500 gals.

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:

9 5/8" x 12 1/4" hole
7" in 8 3/4" hole

PBD 3550 '

TD 3757 '

WELL DATA SHEET

AGU 100 12

LEASE Conoco State J-2 WELL NO. 4 FIELD Arrowhead DATE 11/18/89
 LOCATION 660 FEET FROM N LINE AND 660 FEET FROM E LINE
 SECTION 2 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3555
 KDB to GE
 DF to GE 8

Date Completed 2/1/39
 Initial Formation Grayburg
 FROM: 3738 TO: 3845
 Initial Production 1224 BOPD 0 BWPD
1040 MCFPD 849 GCR

Completion Data:
 OH Completion

10 3/4" OD 32.75 lbs
 Surf. Pipe set @
271 w/ 225 sx
 cmt. Circ? ✓
 TOC @ Surf by Calc
 Repaired casing leak
 860'-90' w/ 200 sxs.

7 5/8" OD 26.4 #
 Csg set at
1347 w/ 425 sx
 Cmt. Circ? N/A
 TOC at Surf by TS
Calc

Subsequent Workover or Reconditioning:
7/13/52 - Acidize w/1000 gals.

1/25/60 - Deepened to 3875'. Ran 4"
liner 3722 - 3875'. Perf
3835-68. Acidize w/3000
gals.

3/4/65 - Set BP @ 3830'. Perf 3760-
3825'. Acidize w/10,000
gals.

3/15/68 - SI.

5/12/86 - Drill out BP @ 3830'. CO
to 3875'. Squeeze csg leak
860 - 90' w/200 sxs. Acid-
ize 3760 - 3868 w/3360
gals 15% HCL.

9/9/86 - Set RBP @ 3810'.

10/3/86 - Pull RBP.

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

5 1/2" OD
 Gr
 17 # Csg set @
3738 w/ 425 sx
 Cmt. Circ?
 TOC @ Surf by TS
Calc

Remarks or Additional Data:
5 1/2" casing in 6 3/4 hole.

4" 11.6# liner @ 3722'-
 3875' w/ 25 sxs

Grayburg Perfs
 3760'-3825'
 3835'-68'

PBD

TD 3875

WELL DATA SHEET

AGA 151

LEASE Conoco State J-2 WELL NO. 1 FIELD Arrowhead DATE 11/18/88
 LOCATION 660 FEET FROM N LINE AND 1980 FEET FROM E LINE
 SECTION 2 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3557
 KDB to GE
 DF to GE 10

3561

10 3/4" OD 30.5 lbs
 Surf. Pipe set @
 263 w/ 225 sx
 cmt. Circ? N/A
 TOC @ Surf by Calc

7 5/8" OD 26.4
 lbs. Csg. set at
 1424 w/ 425 sx
 Cmt. Circ? N/A
 TOC at Surf by
 TS Calc

Date Completed 5/4/38
 Initial Formation Grayburg
 FROM: 3497 TO: 3800
 Initial Production 384 BOPD BWPD
310 MCFPD 80 GOR

Completion Data:
 OH Completion

Subsequent Workover or Reconditioning:
 10/25/40 - Deepened OH to 3847'.

7/10/52 - Acidized w/500 gals.

1/26/59 - Clean-out to 3835'. Set 4"
 liner 3436-3835 w/40 sxs.
 Perf 3804-10 & 3820-26'.
 Acidize w/2000 gals 15%
 HCL.

6/17/86 - Perf 3788 - 3826. Acidize
 w/3780 gals 15% HCL.

12/3/87 - Acidize w/750 gals 15%
 HCL.

9/26/88 - Perf 3756 - 60, 3768 - 82'
 Acidized w/50 bbls 15% HCL

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:

5 1/2" in 6 3/4 hole

4" liner in OH

7 5/8" in 9 7/8" hole

10 3/4" in 12" hole

4" 11.6# liner from
 3436'-3835' w/ 40 sxs.

Grayburg Perfs
 3756'-3826'

PBD

TD 3847

WELL DATA SHEET

76452 JI

LEASE Conoco State J-2 WELL NO. 11 FIELD Arrowhead DATE 11/21/88
 LOCATION 660 FEET FROM N LINE AND 1980 FEET FROM W LINE
 SECTION 2 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3562 '
 KDB to GE _____
 DF to GE 10 '

3512

10 3/4" OD 32.75 lbs.
 Surf. Pipe set @
342 w/ 250 sx
 cmt. Circ? N/A
 TOC @ Surface by Calc

Date Completed 11/13/40
 Initial Formation Grayburg
 FROM: 3715 TO: 3852
 Initial Production 1584 BOPD 0 BWPD
900 MCFPD 568 GCR

Completion Data:
 OH Completion _____

Subsequent Workover or Reconditioning:
5/25/47 - Acidized w/1000 gals.

8/1/54 - Deepened to 3915. Set 4"
 liner 3682 - 3915 w/50 sxs.
 Perf 3885 - 3900'. Acidized
 w/1500 gals.

7/20/83 - Acidized w/2000 gals.

11/11/83 - CO to 3915'.

12/12/84 - Acidized w/500 gals.

2/13/85 - CO to 3910'. Acidized w/
 1260 gals.

2/27/86 - CO to 3909'. Perf 3850-85'
 Acidized w/3780 gals.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

Remarks or Additional Data:
5 1/2" casing in 6 1/4" hole

5 1/2 " OD
 Gr _____
17 # Csg set @
3715 ' w/ 900 sx
 Cmt. Circ? _____
 TOC @ Surf by 25
Calc

4" liner @ 3682'-3915'
 w/ 50 sxs

Grayburg Perfs
 3850'-3900'

PBD 3909 '

TD 3915 '

WELL DATA SHEET

153

LEASE Conoco State J-2 WELL NO. 12 FIELD Eumont Gas DATE 11/21/89
 LOCATION 660 FEET FROM N LINE AND 990 FEET FROM W LINE
 SECTION 2 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3560 '
 KDB to GE _____ '
 DF to GE 14 _____ '

Date Completed 8/8/41
 Initial Formation Grayburg
 FROM: 3680 TO: 3850
 Initial Production 42 BCPD 0 BWPD
248 MCFPD 5904 GCR

Completion Data:
 OH Completion _____

10 3/4" OD 32.75 lbs.
 Surf. Pipe set @
394 w/ 250 sx
 cmt. Circ? N/A
 TOC @ Surf by calc

Subsequent Workover or Reconditioning:
3/13/51 - Set 4" liner 3450 - 3850'
 w/50 sxs. Perf 3814-20,
 3791 - 3806. Acidized w/
 2500 gals.

10/18/60 - Acidized w/8000 gals.

10/1/69 - Acidized w/1000 gals.

12/22/69 - SI.

1/27/76 - Set rtn @ 3400' & cement
 squeezed w/250 sxs.
 Drilled out to 3665'. Perf
 3598 - 3649'. Acidized w/
 900 gals. Fraced w/6500
 gals & 10,000 #'s sand.
 Perf 3018 - 3418'. Acidize
 and frac.

Eumont Perfs
 3018'-3649'

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

Remarks or Additional Data:
5 1/2" casing in 6 1/4" hole
10 3/4" in 12 1/4" Hole

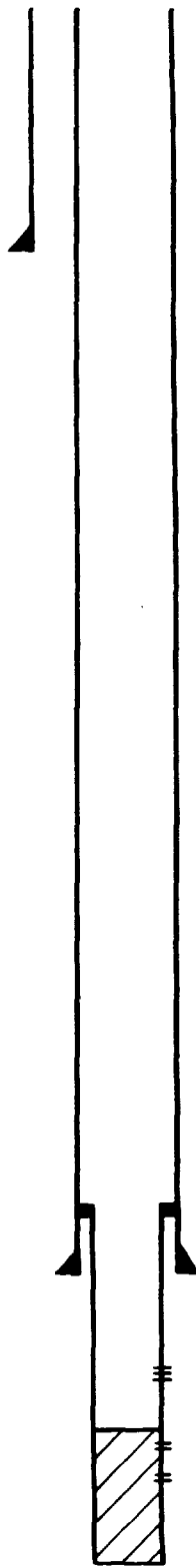
5 1/2" OD
 Gr _____
 17 # Csg set @
3680 ' w/ 650 sx
 Cmt. Circ? _____
 TOC @ Surf by TS
Calc

4" liner 3450'-3850'
 w/ 50 sxs
 Squeezed Grayburg Perfs
 3791'-3820'

PBD 3665 '
 TD 3850 '

WELL DATA SHEET

LEASE Conoco State J-2 WELL NO. 10 FIELD Arrowhead DATE 11/21/89
LOCATION 1980 FEET FROM N LINE AND 990 FEET FROM W LINE
SECTION 2 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3544 '
KDB to GE _____ '
DF to GE 10 '
355

10 3/4" OD 32.75 lbs.
Surf. Pipe set @
308 w/ 250 sx
cmt. Circ? N/A
TOC @ surf by Calc

Date Completed 9/30/40
Initial Formation Grayburg
FROM: 3700 TO: 3830
Initial Production 120 BOPD 0 BWPD
324 MCFPD 2700 GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:

10/4/50 - Deepened to 3944'. Set 4"
liner 3662 - 3944' w/75
sxs. Perf and test 3812 -
3942'. PB to 3809'. Perf
3793 - 3806'. Acidize w/
500 gals.

5/1/68 - SI.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

Remarks or Additional Data:

5 1/2" casing in 6 3/4" hole
10 3/4" in 15" hole
Old liner 3662 - 3944.

4" liner 3662'-3944'
w/ 75 sxs

Grayburg Perfs
3793'-3806'
PB Grayburg Perfs
3812'-3942'

PBD 3809 '
TD 3944 '

108

WELL DATA SHEET

LEASE Conoco State J-2 WELL NO. 9 FIELD Arrowhead DATE 11/21/88
 LOCATION 1980 FEET FROM N LINE AND 1980 FEET FROM E LINE
 SECTION 2 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3549
 KDB to GE
 DF to GE 10

3559

10 3/4" OD 32.75 lbs.
 Surf. Pipe set @
312 w/ 250 sx
 cmt. Circ? N/A
 Tot e Surf by Calc

casing bowl @ 719'

* Squeezed Eumont Perfs
 * 3432'-3612'

5 1/2" OD
 Gr
 17" Csg set @
3712 w/ 900 sx
 Cmt. Circ?
 TOC @ Surf by TS
 Milled out. Calc
 4" liner @ 3672'-3878'
 w/ 50 sxs.
 Grayburg Perfs (former)
 3761'-3866'

Date Completed 8/2/40
 Initial Formation Grayburg
 FROM: 3712 TO: 3839
 Initial Production 1704 BOPD BWPD
720 MCFPD 423 GOR

Completion Data:
 OH Completion.

Subsequent Workover or Reconditioning:

12/11/47 - Deepened to 3878'. Set 4"
 liner 3672-3878' w/ 50 sxs
 Perf 3625-66'. Acidize w/
 500 gals.

3/11/55 - Acidize w/1500 gals.

2/23/57 - Perf Eumont 3432-3612.
 Frac w/12,000 gals with 1+
 spg. Dual completion.

1/9/62 - Cut tbq @ 3620 w/pkr, left
 @ 3650'. Cut csg @ 719, re-
 placed w/csg bowl.

3/68 - SI Grayburg.

8/27/81 - CO to 3878'. Perf 3761 -
 3859'. Acidized w/3360
 gals.

9/30/81 - SI Grayburg.

1/21/88 - Squeeze Eumont 3432-3612
 w/200 sxs. Acidized
 Grayburg 3761-3866' w/5040
 gals. Liner collapsed
 3672 - 3755'.

10/3/88 - Milled out liner. Acidized
 3712 - 3878' w/90 bbls 15%
 HCL.

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

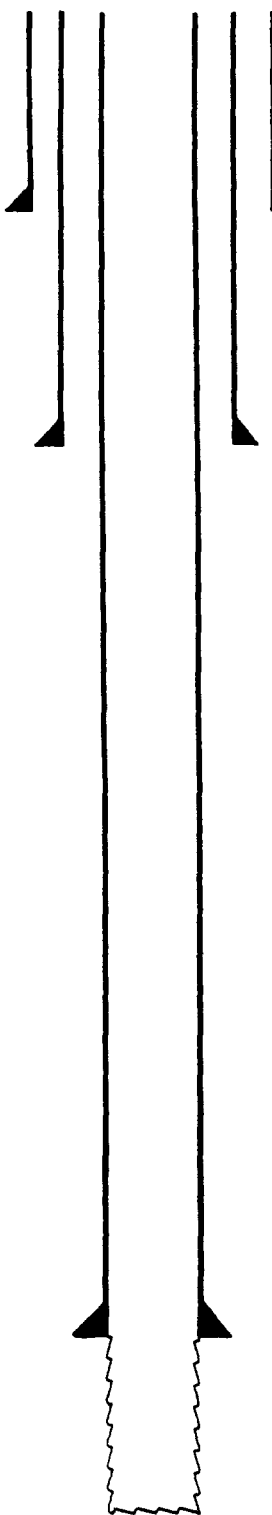
Remarks or Additional Data:
5 1/2" casing in 6 1/4 hole

PBD

TD 3878

WELL DATA SHEET

LEASE Conoco State J-2 WELL NO. 3 FIELD Arrowhead DATE 11/18/88
 LOCATION 1980 FEET FROM N LINE AND 660 FEET FROM E LINE
 SECTION 2 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3544 '
 KDB to GE 274 '
 DF to GE 10 '

Date Completed 11/21/38
 Initial Formation Grayburg
 FROM: 3728 TO: 3826
 Initial Production 1872 BOPD 0 BWPD
784 MCFPD 419 GCR

Completion Data:
Open hole completion

10 3/4" OD 32.75 lbs
 Surf. Pipe set @
274 w/ 225 sx
 Cmt. Circ? N/A
 TOC @ Surf by Calc

7 5/8" OD 26.4 #
 Csg set at
1236 ' w/ 425 sx
 Cmt. Circ? N/A
 TOC at Surf by Calc

Subsequent Workover or Reconditioning:
3/18/86 - Clean out to 3815'. String
shot 3735 - 3815'. Acidize
w/3780 gals 15%.

11/9/87 - Clean out to 3825'. String
shot 3745 - 3820 w/3780
gals 15% HCL.

10/7/88 - Deepened to 3860'. Acid-
ize w/90 bbls 15% HCL.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

5 1/2" OD
 Gr _____
17 # Csg set @
3728 ' w/ 425 sx
 Cmt. Circ? _____
 TOC @ Surf by Calc

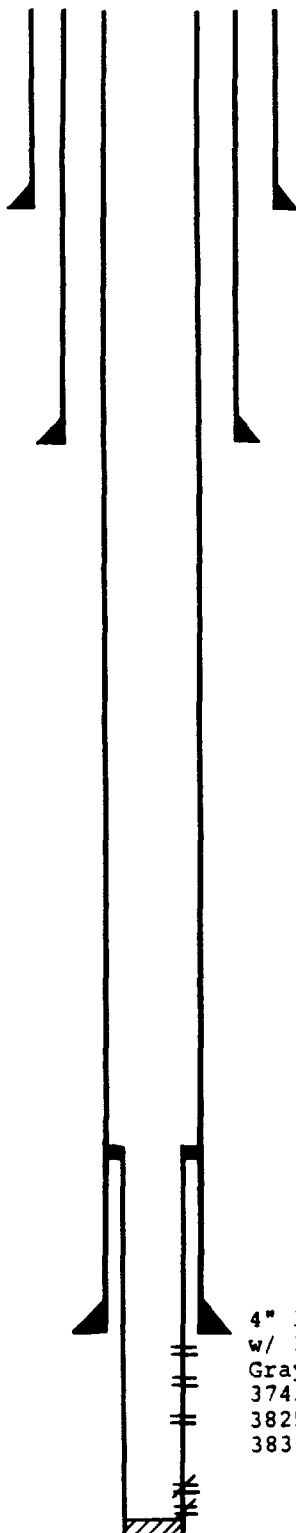
Remarks or Additional Data:
5 1/2" csg in 6 3/4" hole

PBD _____
 TD 3860 '

AGU 16922

WELL DATA SHEET

LEASE Conoco State J-2 WELL NO. 2 FIELD Arrowhead DATE 11/18/88
 LOCATION 1980 FEET FROM S LINE AND 660 FEET FROM E LINE
 SECTION 2 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3529 '
 KDB to GE '
 DF to GE 10 '

Date Completed 9/18/38
 Initial Formation
 FROM: 3739 TO: 3840
 Initial Production 2160 BOPD 0 BWPD
1500 MCFPD 694 GOR

Completion Data:
 OH Completion

10 3/4" OD 30.5 lbs
Surf. Pipe set @
276 w/ 225 sx
cmt. Circ? N/A
TOC @ Surf by Calc

7 5/8" OD 30.5 #
Csg set at
1381 ' w/ 425 sx
Cmt. Circ? N/A
TOC at Surf by
TS Calc

Subsequent Workover or Reconditioning:
6/26/47 - Clean out to 3840'. Ran 4"
liner 3700 - 3840'. Perf
3833-39, would not break
down. Perf 3825-28, would
not break down. Perf 3781-
87', 3792-3802'. Acidize
w/500 gals.

1/14/86 - Clean out to 3783'. Acid-
ize w/1260 gals 15% Junk
in hole below 3783'.

8/20/88 - Clean out 3833'. Perf
3743 - 3822'. Acidized w/
90 bbls 15% HCL.

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

5 1/2" OD
Gr
14 # Csg set @
3739 ' w/ 425 sx
Cmt. Circ? N/A
TOC @ Surf by Calc

Remarks or Additional Data:
5 1/2" in 6 3/4 hole
4" liner in OH

4" liner from 3700-3840'
w/ 30 sxs
Grayburg Perfs
3743'-3822'
3825'-28' (closed)
3833'-39' (closed)

10 1/2" in 15" hole
7 1/2" in 9 1/2" hole

PBD 3833 '

TD 3840 '

WELL DATA SHEET

LEASE Conoco State J-2 WELL NO. 7 FIELD Eumont (Gas) DATE 11/18/36
 LOCATION 1980 FEET FROM S LINE AND 1980 FEET FROM E LINE
 SECTION 2 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3521 '
 KDB to GE _____ '
 DF to GE 10 _____ '

Date Completed 5/23/40
 Initial Formation Grayburg
 FROM: 3715 TO: 3771
 Initial Production 2880 BOPD 0 EWPD
1400 MCFPD 486 GCR

Completion Data:
OH Completion

10 3/4" OD 32.75 lbs.
Surf. Pipe set @
299 w/ 225 sx
cmt. Circ? N/A
TOC @ Surf by Calc
Squeezed casing leaks
445'-824' w/ 250 sxs.

Subsequent Workover or Reconditioning:
7/18/47 - Deepened to 3825'. Set 4"
liner 3683 - 3825' w/35
sxs. Perf 3808-22'. Acid-
ized w/500 gals.

3/9/55 - Acidized w/1500 gals.

3/1/69 - SI.

5/5/78 - Set cmt rtn @ 3646'.
Squeezed Grayburg w/100 sxs
10 sxs on top of rtn.
Squeeze csg leaks 445-824
w/250 sxs. Perf 3433-3590.
Acidized w/2000 gals. Frac
w/ 37000 gals Versagel.
Perf 2805'-2940'. Frac w/
55,000 gals. gel & 13,250
gals CO2 & 21,875 #'s sand.

Eumont Perfs
2805'-3590'

cmt rtn @ 3646'

5 1/2" OD
Gr _____
17 # Csg set @
3715' w/ 900 sx
Cmt. Circ? _____
TOC @ Surf by PS
Calc

4" liner 3683'-3825'
w/ 35 sxs.
Squeezed Grayburg Perfs
3808'-3822'

Present Prod. _____ BOPD _____ BWPD _____
 _____ MCFPD _____ GOR _____
 _____ Date _____

Remarks or Additional Data:
5 1/2" casing in 6 1/4 hole.
10 3/4" in 12 1/4 hole

PBD 3646 '

TD 3825 '

WELL DATA SHEET

LEASE OXY State "N" WELL NO. 2 FIELD Arrowhead DATE 11/21/88
 LOCATION 2310 FEET FROM S LINE AND 2310 FEET FROM W LINE
 SECTION 2 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3529 '
 KDB to GE _____ '
 DF to GE _____ '

Date Completed 4/1/40
 Initial Formation Grayburg
 FROM: 3700 TO: 3810
 Initial Production 1282 BOPD BWPD
1598 MCFPD 1246 GOR

Completion Data:
 OH Completion _____

8 5/8" OD _____ lbs.
 Surf. Pipe set @
263 w/ 125 sx
 cmt. Circ? N/A
 Toc @ Surf by Calc

Repaired casing leak
 @ 2128' w/ 400 sxs.
 Pump 905 sxs cmt thru
 perfs @ 1900' and 1480'

Subsequent Workover or Reconditioning:

10/17/52 - Repaired casing leak at
 2128' w/ 400 sxs. TOC
 1910'. Perf @ 1900' &
 squeeze w/ 530 sxs. Perf
 @ 1480' and squeeze w/
 375 sxs.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

5 1/2" OD
 Gr _____
 15 # Csg set @
3700 ' w/ 300 sx
 Cmt. Circ? No
 TOC @ 989 by TB
 Calc

Remarks or Additional Data:

5 1/2" in 7" hole
8 5/8" in 11" hole

PBD _____ '
 TD 3810 '

WELL DATA SHEET

LEASE OXY State "N" WELL NO. 3 FIELD Arrowhead DATE 11/21/82
 LOCATION 2310 FEET FROM S LINE AND 990 FEET FROM W LINE
 SECTION 2 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3539 '
 KDB to GE _____ '
 DF to GE _____ '

Date Completed 6/15/40
 Initial Formation Grayburg
 FROM: 3702 TO: 3820
 Initial Production 741 ECPD 0 BWPD
630 MCFPD 850 GCR

Completion Data:
 OH Completion _____

8 5/8" OD _____ lbs.
 Surf. Pipe set @
344 w/ 200 sx
 cmt. Circ? VIA

Toc @ surf by calc

Subsequent Workover or Reconditioning:

7-18-53 Acidized w/ 500 gals.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GCR
 _____ Date _____

Remarks or Additional Data:

8 5/8" in 11" hole
5 1/2" in 7" hole

5 1/2" OD
 Gr _____
15 # Csg set @
3702 ' w/ 200 sx
 Cmt. Circ? No
 TOC @ 1894 by TS
Calc

PBD _____ '
 TD 3820 '

WELL DATA SHEET

LEASE OXY State "N" WELL NO. 4 FIELD Arrowhead DATE 11/21/88
 LOCATION 990 FEET FROM S LINE AND 990 FEET FROM W LINE
 SECTION 2 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3556 '
 KDB to GE '
 DF to GE '

Date Completed 9/26/40
 Initial Formation Grayburg
 FROM: 3708 TO: 3835
 Initial Production 1392 BOPD BWPD
1047 MCFPD 752 GOR

Completion Data:
 Acidized w/1000 gals.

8 5/8" OD lbs.
 Surf. Pipe set @
341 w/ 300 sx
 cmt. Circ? N/A
 Toc @ surf by calc

Subsequent Workover or Reconditioning:

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:

8 1/4" in hole
5 1/2" in 7" hole

5 1/2" OD
 Gr
15 # Csg set @
3708 ' w/ 150 sx
 Cmt. Circ? No
 TOC @ 3353 by TS
Calc

PBD '

TD 3835 '

WELL DATA SHEET

LEASE OXY State "N" WELL NO. 5 FIELD Eumont Gas DATE 11/21/88
 LOCATION 660 FEET FROM S LINE AND 660 FEET FROM W LINE
 SECTION 2 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3554 '
 KDB to GE 8 '
 DF to GE _____

Date Completed 6/6/56
 Initial Formation Eumont
 FROM: 3034 TO: 3515
 Initial Production 0 BOPD 0 BWPD
2473 MCFPD _____ GOR

Completion Data:
 Acidized w/2000 gals.

8 5/8" OD 24 lbs.
 Surf. Pipe set @
1510 w/ 650 sx
 cmt. Circ? Yes

Subsequent Workover or Reconditioning:

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GCR
 _____ Date

Remarks or Additional Data:

5 1/2" in 7 7/8" hole.

5 1/2" OD
 Gr _____
14 # Csg set @
3034 ' w/ 450 sx
 Cmt. Circ? _____
 TOC @ 634 by TG
calc

PBD _____

TD 3515 '

WELL DATA SHEET

AGU 17 25

LEASE Conoco State J-2 WELL NO. 6 FIELD Arrowhead DATE 11/21/88
 LOCATION 660 FEET FROM S LINE AND 1980 FEET FROM E LINE
 SECTION 2 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3525
 KDB to GE 8
 DF to GE 3533

Date Completed 4/27/39
 Initial Formation Grayburg
 FROM: 3706 TO: 3810
 Initial Production 1584 BOPD 0 BWPD
845 MCFPD 333 GOR

Completion Data:
 OH Completion

10 3/4" OD 32.75 lbs
 Surf. Pipe set @
277 w/ 225 sx
 cmt. Circ? N/A
 TOC e surf by Calc

7 5/8" OD 26.4 #
 Csg set at
1434 w/ 425 sx
 Cmt. Circ? N/A
 TOC at surf by Calc

Subsequent Workover or Reconditioning:

9/27/47 - Deepened to 3865'. Set 4" liner 3665 - 3865'.
 Dropped 36 jts 2" tbq.
 Milled to 3448'.

3/1/48 - Set whipstock @ 3404. Deepened to 3872'. Set 4" liner 3333 - 3872'. Perf 3866 - 69'. Acidized w/500 gals.

12/5/52 - Acidize w/500 gals.

5/14/53 - Acidize w/500 gals.

7/7/72 - Set CIBP @ 3860'. Perf 3848 - 54'. Acidize w/1000 gals.

11/19/84 - Acidized w/500 gals.

4/9/87 - CO to 3872'. Perf 3648-54', 3798-3808', 3816-26'. Acidized w/3360 gals.

9/15/88 - Perf 3742-3842. Acidize w/ w/90 bbls 15% HCL.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

5 1/2" OD

Gr _____
 17 # Csg set @
3706 w/ 425 sx
 Cmt. Circ? N/A
 TOC @ Surf by Calc

4" liner 3333'-3872'
 w/ 25 sxs.

Grayburg Perfs
 3648'-3869'

-115

Remarks or Additional Data:

10 3/4 in 12 1/4 hole
 7 3/8 in 9 1/8 hole
 5 1/2 in 6 3/4 hole

PBD _____

TD 3872

WELL DATA SHEET

LEASE Conoco State J-2 WELL NO. 5 FIELD Arrowhead DATE 11/18/88
 LOCATION 660 FEET FROM S LINE AND 660 FEET FROM E LINE
 SECTION 2 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3503 '
 KDB to GE '
 DF to GE 10 '

Date Completed 4/19/39
 Initial Formation Grayburg
 FROM: 3722 TO: 3791
 Initial Production 936 BOPD 0 BWPD
640 MCFPD 684 GCR

Completion Data:
 OH Completion

10 3/4" OD 32.75 lbs
 Surf. Pipe set @
271 w/ 225 sx
 Cmt. Circ? N/A
 TOC @ Surf by Calc

7 5/8" OD 26.4#
 Csg set at
1363 ' w/ 425 sx
 Cmt. Circ? N/A
 TOC at Surf ' by
TS Calc

Subsequent Workover or Reconditioning:
10/20/48 - Deepened to 3816'. Set 4"
liner 3664 - 3816'. Perf
3790 - 3808'. Acidize w/
500 gals.

3/10/55 - Acidize w/1500 gals.

12/17/85 - CO to 3816'. Acidize w/
1680 gals.

11/2/87 - Acidize w/1680 gals.

9/26/88 - Tag 6' fill. Did not CO.
Perf 3744 - 3808'. Acid-
ized w/75 bbls 15% HCL.

3/90 - Acidized

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GCR
 _____ Date

5 1/2" OD
 Gr _____
17 # Csg set @
3722 ' w/ 425 sx
 Cmt. Circ? _____
 TOC @ Surf by TS
Calc

4" liner set
3664'-3791' w/ 50 sx

Grayburg Perfs
3744'-3808'

Remarks or Additional Data:
5 1/2" casing in 6 3/4" hole.
6' fill.
12 3/4" in 12 1/4" hole
7 1/8" in 9 7/8" hole

PBD 3810 '

TD 3816 '

460 184 21

WELL DATA SHEET

Hal J Rasmussen

LEASE State "A" AC 2 WELL NO. 13 FIELD Arrowhead DATE 11/22/88
LOCATION 660 FEET FROM N LINE AND 660 FEET FROM E LINE
SECTION 11 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3512 '
KDB to GE '
DF to GE 9 '

Date Completed 2/5/39
Initial Formation Grayburg
FROM: 3705 TO: 3800
Initial Production 1440 BOPD 0 BWPD
MCFPD GOR

Completion Data:
OH Completion

12 1/2" OD 50 lbs.
Surf. Pipe set @
308 w/ 200 sx
cmt. Circ? N/A
Toe @ surf by calc

Subsequent Workover or Reconditioning:

11/29/50 - Deepened to 3876'. Set
5 1/2" liner in 7" casing
to TD. Perf 3825 - 39',
3843 - 3866', 3868 - 75'.

2/10/66 - Perf 3637 - 3704.
Set CIBP @ 3745'. Acidized
w/5000 gals.

Penrose Perfs
3637'-3704'

7 " OD
Gr
24 # Csg set @
3705 ' w/ 400 sx
Cmt. Circ? No
TOC @ 1428 by TS
CIBP @ 3745' Calc
5 1/2" Liner from ?
to 3876' w/ 25 sxs.

Grayburg Perfs
3825'-3875'

Present Prod. BOPD BWPD
MCFPD GOR
Date

Remarks or Additional Data:

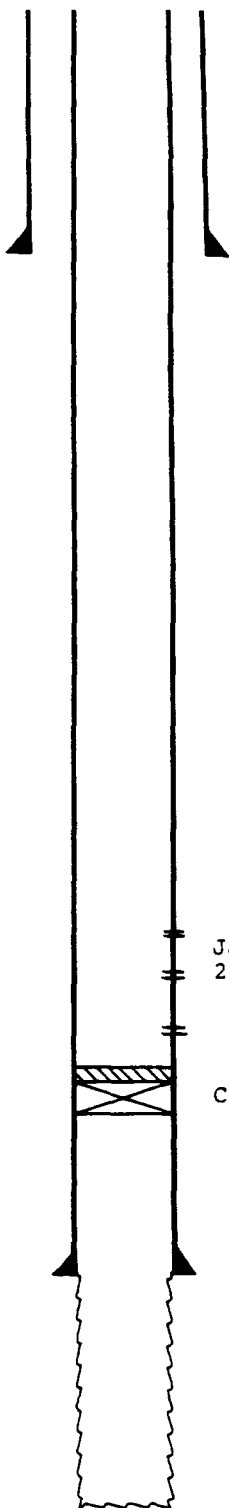
7" assumed in 8 7/8" hole
12 1/2" assumed in 15 1/2" hole

PBD 3745 '
TD 3876 '

Hal J Rasmussen

WELL DATA SHEET

LEASE State "A" AC 2 WELL NO. 14 FIELD Jalmat DATE 11/22/86
LOCATION 660 FEET FROM N LINE AND 1980 FEET FROM E LINE
SECTION 11 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3540 '
KDB to GE '
DF to GE '

12 1/2" OD 50 lbs.
Surf. Pipe set @
346 w/ 200 sx
cmt. Circ? N/A
To c surf by calc

Jalmat Perfs
2839'-3601'

CIBP @ 3660'

7 " OD
Gr
24 # Csg set @
3680 ' w/ 500 sx
Cmt. Circ? No
TOC @ 835 by PS
Calc

Date Completed 3/8/39
Initial Formation Penrose
FROM: 3680 TO: 3790
Initial Production 2520 BOPD BWPD
 MCFPD GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
9/5/50 - Acidized w/500 gals 20% mud acid.

11/23/54 - Acidized w/500 gals mud acid.

7/3/63 - TA'd.

4/6/64 - Set CIBP @ 3660' w/2 sxs
cmt on top. Perforate
Jalmat 2839 - 3601'. Fraced

1/31/69 - Isolated Jalmat 2839 -
3360' from Eunice, So.
3420 - 3601 w/packers.
Dual completion.

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
7" assumed in 8 1/8" hole
12 1/2" in 15 1/2" hole

PBD 3660 '
TD 3790 '

LEASE State "A" AC 2 WELL NO. 15 FIELD Eunice, South DATE 11/22/88
LOCATION 660 FEET FROM N LINE AND 1980 FEET FROM W LINE
SECTION 11 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3551
KDB to GE
DF to GE 10

Date Completed 5/9/39
Initial Formation Grayburg
FROM: 3710 TO: 3851
Initial Production 203 BCPD SWPD
MCFPD GOR

Completion Data:
OH Completion

12 1/2" OD 40 lbs.
Surf. Pipe set @
360 w/ 250 sx
cmt. Circ? N/A
Toe at surf by coil

Subsequent Workover or Reconditioning:
4/17/40 - Acidized w/1000 gals.

4/12/54 - CO 3830 - 51'. Acidized w/
1000 gals.

3/10/55 - Fraced w/5000 gals oil w/
10,000 #'s sand.

10/5/70 - Set CIBP @ 3685. Perf
Eunice, South 3355 - 3649'
Acidize and fraced.

Eunice South Perfs
3355'-3649'

CIBP @ 3685'

7 " OD
Gr
24 # Csg set @
3710 ' w/ 400 sx
Cmt. Circ? No
TOC @ 1434 by TS
Calc

Present Prod. _____ BOPD _____ SWPD _____
 _____ MCFPD _____ GOR _____
 _____ Date _____

Remarks or Additional Data:

7" assumed in 8 7/8" hole
12 1/2" assumed in 15 1/2" hole

PBD 3685

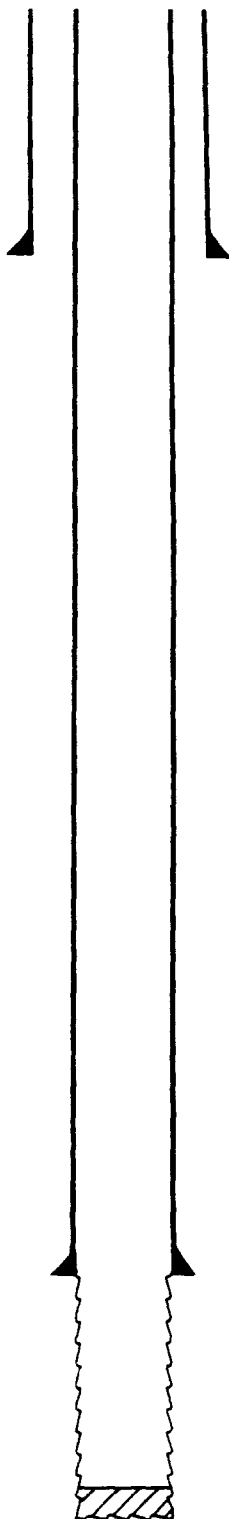
TD 3856

460 193

WELL DATA SHEET

Hal J Rasmussen

LEASE State "A" AC 2 WELL NO. 17 FIELD Arrowhead DATE 11/22/88
 LOCATION 2310 FEET FROM N LINE AND 350 FEET FROM E LINE
 SECTION 11 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3513 '
 KDB to GE '
 DF to GE 7 '

10 3/4" OD 40 lbs.
 Surf. Pipe set @
373 w/ 175 sx
 cmt. Circ? N/A
 TOC at surf by Calc

Date Completed 7/15/39
 Initial Formation Grayburg
 FROM: 3665 TO: 3790
 Initial Production 720 BOPD 0 SWPD
nm MCFPD nm GOR

Completion Data:
 OH Completion

Subsequent Workover or Reconditioning:
4/1/47 - PB to 3755. Acidized w/1000
gals. Put on pump.

1/31/64 - TA'd.

12/7/65 - Cleaned out 3730 - 35'.
Acidized w/4000 gals. SI.

9/16/68 - Cleaned out to 3721. SI.

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

7 " OD
 Gr
24 " Csg set @
3665 ' w/ 400 sx
 Cmt. Circ?
 TOC @ 1200 by PS
calc

Remarks or Additional Data:
7" in 8 3/4" hole
10 3/4" in 13 3/4" hole

PBD 3755 '
 TD 3790 '

10 " OD 40 lbs.
Surf. Pipe set @
299 w/ 175 sx
cmt. Circ? N/A
Toc @ surf by calc

Completion Data:
OH Completion

4/16/68 - Perf open-hole 3664 -
3754'. Acidized w/5000
gals 15%.

7 _____ " OD
Gr _____
24 # Csg set @
3662 ' w/ 400 sx
Cmt. Circ? No
TOC @ 1203 by ~~TS~~
Calc

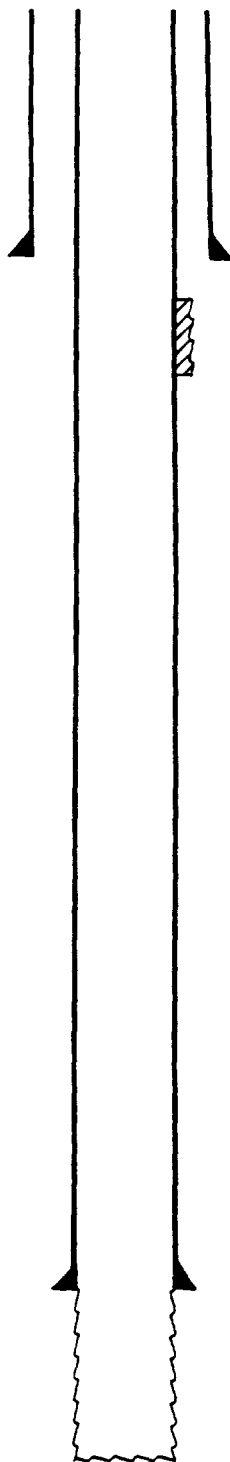
7" in 8 3/4" hole
10" in 12 1/4" hole

PBD _____
TD 3802

WELL DATA SHEET

464 188-2

LEASE Chevron H.T. Mattern (NCT-E) WELL NO. 12 FIELD Arrowhead DATE 11/23/88
 LOCATION 660 FEET FROM N LINE AND 660 FEET FROM E LINE
 SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3460 '
 KDB to GE 6.5 '
 DF to GE 5 '

9 5/8 " OD 24.7 lbs.
 Surf. Pipe set @
290 w/ 215 sx
 cmt. Circ? Yes

Repaired casing leak
426'-730' w/ 350 sxs

Date Completed 11/19/43
 Initial Formation Grayburg
 FROM: 3680 TO: 3755
 Initial Production 526 BOPD 0 BWPD
676 MCFPD 1285 GOR

Completion Data:
 Acidized w/2000 gals 15%.

Subsequent Workover or Reconditioning:
3/18/45 - Set production packer @
3710'.

11/23/51 - Remove production packer.

12/18/56 - PB to 3743 w/12 gals
 hydromite. Fraced 3699 -
3743 w/5000 gals oil w/1*
 spg. Installed rod pump.

9/21/87 - Set RBP @ 3522. Found
 casing leak 426 - 730'.
 Pumped 350 sxs through bad
 casing. Cmt circ. Drill
 out and test. No fluid
 entry. Return to produc-
 tion.

2/20/88 - Cleaned out to 3755'. Perf
 OH 3685 - 3752'. Acidized
 w/2500 gals.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

5 1/2 " OD
 Gr H-40
 14 # Csg set @
3680 ' w/ 400 sx
 Cmt. Circ? No
 TOC @ 1546 by TS
Calc

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole
4 3/4" cper-hole
9 3/8" in 11" hole

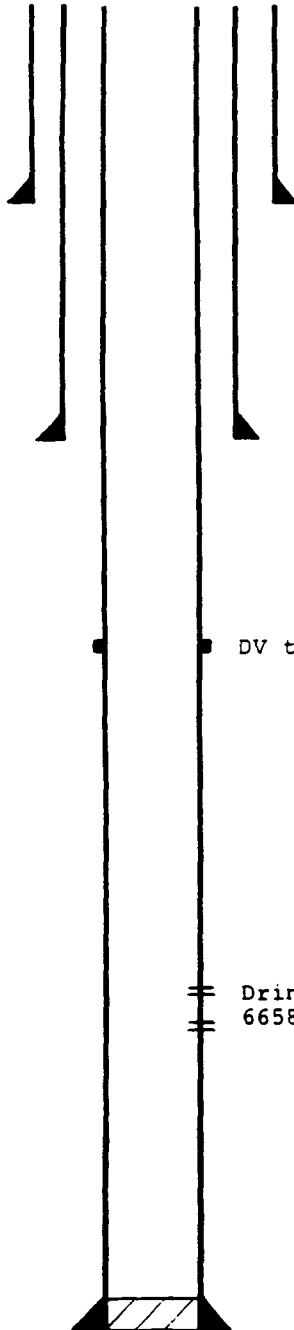
PBD _____ '
 TD 3755 '

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-E) WELL NO. 14 FIELD Drinkard DATE 11/28/88

LOCATION 430 FEET FROM N LINE AND 330 FEET FROM E LINE

SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3457 '
KDB to GE 13 '
DF to GE '

11 3/4" OD 42 lbs
Surf. Pipe set @
399 w/ 275 sx
cmt. Circ? Yes

8 5/8" OD
24 & 32# Csg
set at 2595' w/
700 sx
Cmt. Circ? Yes
TOC at by
TS

DV tool @ 4542'

Drinkard Perfs
6658'-6702

5 1/2" OD
Gr K-55
15.5 & 17# Csg set @
6750' w/ 1375 sx
Cmt. Circ? Yes/No
TOC @ 330 by TS

Date Completed 3/15/85
Initial Formation Drinkard
FROM: 6658 TO: 6702
Initial Production 25 BOPD 73 BWPD
101 MCFPD 4040 GOR

Completion Data:
Perf Drinkard 6658 - 6702'. Acidized
& fraced.

Subsequent Workover or Reconditioning:

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD 6710 '
TD 6750 '

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-E) WELL NO. 11 FIELD Eumont Gas DATE 11/23/88LOCATION 660 FEET FROM N LINE AND 1980 FEET FROM E LINESECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3471 '
 KDB to GE 6.5 '
 DF to GE 5 '

Date Completed 3/15/42
 Initial Formation Grayburg
 FROM: 3680 TO: 3775
 Initial Production 948 BOPD 0 SWPD
1209 MCFPD 1275 GOR

Completion Data:
OH Completion

9 5/8 " OD 25.7 lbs.
 Surf. Pipe set @
250 w/ 250 sx
 cmt. Circ? Yes

Subsequent Workover or Reconditioning:
6/16/50 - Installed gas lift.

12/3/52 - Installed rod pump.

12/21/65 - CI well.

1/27/70 - Set CIBP @ 3600' w/1 sx
cmt on top (5'). Perf
Eumont 2670 - 3460'. Acid-
ize & fraced.

8/15/74 - Cleaned out to 3600'.

3/26/81 - Dump acid w/500 gals.

Eumont Perfs
2670'-3460'

CIBP @ 3600'

5 1/2 " OD
 Gr H
14 # Csg set @
3680 ' w/ 400 sx
 Cmt. Circ? No
 TOC @ 2435 by TS

Present Prod. _____ BOPD _____ SWPD
 _____ MCFPD _____ GOR
 _____ Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole
4 3/4" open-hole

PBD 3600 '

TD 3775 '

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-E) WELL NO. 9 FIELD Arrowhead DATE 11/23/84
 LOCATION 660 FEET FROM N LINE AND 1980 FEET FROM W LINE
 SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3481 '
 KDB to GE 6.5 '
 DF to GE 5 '

Date Completed 4/15/40
 Initial Formation Grayburg
 FROM: 3685 TO: 3780
 Initial Production 674 BOPD 0 BWPD
538 MCFPD 798 GOR

Completion Data:
OH Completion

9 5/8" OD 25.7 lbs.
Surf. Pipe set @
290 w/ 275 sx
cmt. Circ? Yes

Subsequent Workover or Reconditioning:
3/23/45 - Set production packer @
3720'.

3/21/50 - Set production packer @
3602'.

12/2/50 - Acidized w/1000 gals. In-
stalled gas lift.

12/31/52 - Installed rod pump.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

5 1/2" OD
 Gr H
14" Csg set @
3685' w/ 200 sx
 Cmt. Circ? _____
 TOC @ 1472 by TS
calc

Remarks or Additional Data:
5 1/2" casing in 6 3/4" hole
4 3/4" open-hole

PBD _____
 TD 3780 '

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-E) WELL NO. 3 FIELD Arrowhead DATE 11/23/8
 LOCATION 660 FEET FROM N LINE AND 660 FEET FROM W LINE
 SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3494 '
 KDB to GE 6.5 '
 DF to GE '

3500.5

10 3/4" OD lbs.
 Surf. Pipe set @
280 w/ 225 sx
 cmt. Circ? Yes

Repaired casing leak
 1440'-65' w/ 940 sxs
 through perfs @ 1500'
 cmt. circ.

Repaired casing leak
 1410'-2009' w/ 525 sxs.

Date Completed 3/20/39
 Initial Formation Grayburg
 FROM: 3690 TO: 3780
 Initial Production 1254 BOPD 0 BWPD
915 MCFPD 730 GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
6/23/49 - Installed Gas lift.

11/28/52 - Installed rod pump.

11/10/55 - Repaired casing leak
1440 - 65'. Set BP @
3620'. Perf 6" casing @
1500'. Set cmt rtn @
1470'. Cmt below rtn w/
940 sx. Cmt circulated.
Bradenhead squeezed to
500 psi. Drill out cmt
and BP. Clean out to TD.

4/20/88 - Repaired casing leak 1410-
2009' w/525 sxs cmt. Drill
out cmt and clean out to
3780'. Perf OH 3685 -
3764'. Acidized w/2500
gals.

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

6 " OD
 Gr C
16 # Csg set @
3685 ' w/ 350 sx
 Cmt. Circ? No
 TOC @ 2505 by TS

Remarks or Additional Data:
6" casing in 7 7/8" hole.
5 3/8" OH

PBD '
 TD 3780 '

WELL DATA SHEET

Agu 195

LEASE Chevron H.T. Mattern (NCT-E) WELL NO. 6 FIELD Arrowhead DATE 11/23/88LOCATION 2310 FEET FROM N LINE AND 1650 FEET FROM W LINESECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3480 '
 KDB to GE 6.5 '
 DF to GE 5 '

Date Completed 7/1/39
 Initial Formation Grayburg
 FROM: 3669 TO: 3765
 Initial Production 787 BOPD 248 MCFPD GOR

Completion Data:
Acidized w/2000 gals 15%.

10 3/4" OD 51 lbs.
 Surf. Pipe set @
322 w/ 250 sx
 cmt. Circ? Yes

Subsequent Workover or Reconditioning:
7/22/50 - Installed gas lift.

12/02/52 - Installed rod pump.

5/1/59 - PB to 3739' w/28 gals
hydromite. Fraced 3669-3739
w/15,000 gals oil and 1-3
#'s spq. PB to 3680 w/32
gals hydromite. Set rtn and
squeeze OH 3669 - 3680 w/
250 sxs cmt. Drilled out to
3739'.

Present Prod. _____ BOPD _____ BOPD
 _____ MCFPD _____ GOR
 _____ Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole
4 3/4" open-hole

5 1/2" OD
 Gr B
14 # Csg set @
3669 ' w/ 400 sx
 Cmt. Circ? No
 TOC @ 2450 by TS

Cement squeezed at
3669'-3680'

PBD 3739 '

TD 3765 '

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-E) WELL NO. 7 FIELD Arrowhead DATE 11/23/81LOCATION 2310 FEET FROM N LINE AND 2310 FEET FROM E LINESECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3470 '
 KDB to GE 6.5 '
 DF to GE 5 '

3476.5

10 3/4" OD 51 lbs.
 Surf. Pipe set @
289 w/ 250 sx
 cmt. Circ? Yes

Date Completed 7/28/39
 Initial Formation Grayburg
 FROM: 3655 TO: 3760
 Initial Production 907 BOPD 0 BWPD
648 MCFPD 714 GOR

Completion Data:

Subsequent Workover or Reconditioning:
6/23/49 - Installed gas lift.

12/22/52 - Installed rod pump.

12/10/58 - PB to 3735 w/16 gals
 hydromite. Fraced w/
10,000 gals oil w/1 # spg

8/24/70 - Dump acid w/500 gals 15%.

4/2/88 - CO to 3760 (corrected
 depth). Tested casing (ok).

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

5 1/2 " OD
 Gr H
14 # Csg set @
3655 ' w/ 400 sx
 Cmt. Circ? No
 TOC @ 2385 by TS

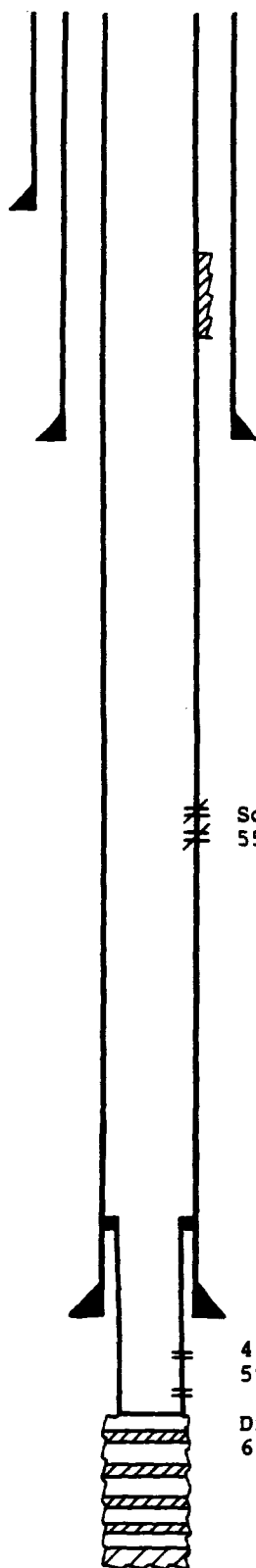
Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole
4 3/4" open-hole

PBD _____

TD 3760

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-E) WELL NO. 13 FIELD Drinkard DATE 11/28/88
 LOCATION 2310 FEET FROM N LINE AND 330 FEET FROM E LINE
 SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3455 '
 KDB to GE 14 '
 DF to GE 13 '

13 3/8" OD 48 lbs
Surf. Pipe set @
326 w/ 425 sx
cmt. Circ? Yes
Perfed and cemented
@ 1250' to repair
casing flow

9 5/8" OD
32.6 & 36# Csg
set at 3899' w/
2000 sx
Cmt. Circ? No
TOC at 1660' by
TS

Squeezed Blinebry Perfs
5519'-5969'

5 1/2" OD
Gr K-55
14 # Csg set @
6045' w/ 450 sx
Cmt. Circ? No
TOC @ 4574 by TS

4" 11.6E liner from
5925'-6803 w/ 375 sxs.

Drinkard Perfs
6499'-6666'

Date Completed 4/30/59
 Initial Formation TA
 FROM: - TO: -
 Initial Production - BOPD - BWPD
- MCFPD - GOR

Completion Data:
Drilled to 9700'. Set cement plugs
9530 - 9700', 9000 - 9100', 8250 -
8350', 7700 - 7800', 6350 - 6450',
5650 - 5750' and 5400 - 5265'.
Hydromite 5250 - 5265.

Subsequent Workover or Reconditioning:
8/31/72 - Drilled out to 6045' and
ran 5 1/2" casing. Perf
Blinebry 5519 - 5969'.
Frac.

11/11/75 - Squeezed Blinebry perfs.
Drilled and under reamed
to 6860'. Spot cmt plug
6804 - 6855'. Ran 4"
liner 5925 - 6803' w/ 375
sxs. Perf Drinkard 6499-
6666'. Acidize and frac.

5/10/84 Repaired casing flow.
Perf @ 1250' and circ-
ulate cement between 5 1/2"
& 9 5/8 casing, close
valve and pump cmt be-
tween 9 5/8 and 13 3/8,
did not circulate. Return
to production.

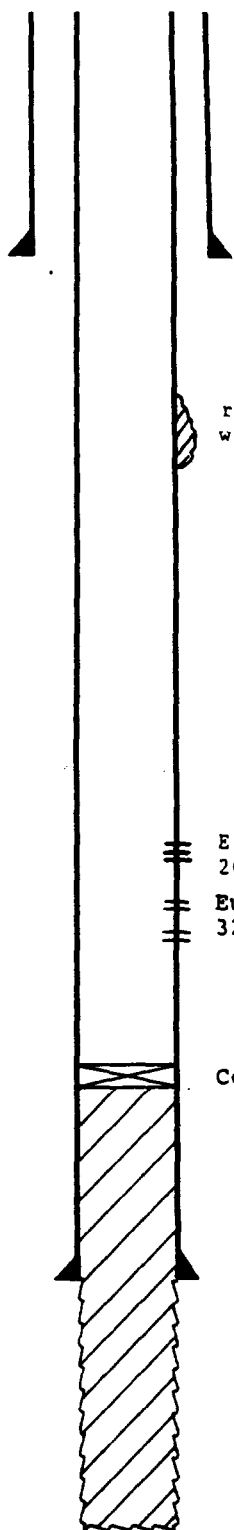
Present Prod. - BOPD - BWPD
- MCFPD - GOR
Date

Remarks or Additional Data:
5 1/2" casing in 8 3/4" hole

PBD 6803 '
 TD 9700 '

WELL DATA SHEET

LEASE Arco State 157-D WELL NO. 4 FIELD Eumont Gas DATE 11/28/88
 LOCATION 2310 FEET FROM S LINE AND 990 FEET FROM E LINE
 SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



DF: 3456
 KDE to GE _____
 DF to GE _____

9 5/8" OD 40 lbs.
 Surf. Pipe set @
321 w/ 250 sx
 cmt. Circ? N/A
 Toc @ Surf by Calc

repaired casing leak @ 1150'
 w/440 sxs.

Eumont Perfs
 2652' to 3186'

Eumont Perfs
 3262'-3495'

Cement rtn. @ 3520'

7" OD
 Gr _____
 24 # Csg set @
3572 w/ 250 sx
 Cmt. Circ? _____
 TOC @ 1904 by TS
 Calc

Date Completed 8/39
 Initial Formation Grayburg
 FROM: 3572 TO: 3750
 Initial Production 890 BOPD 0 BWPD
6052 MCFPD 6800 GOR

Completion Data:
 OH Completion

Subsequent Workover or Reconditioning:
 9/40 - Set production packer @ 3650'

9/44 - Moved production packer to
 3672'.

10/52 - Perf tubing @ 3599'.

1/57 - Acidized w/1250 gals 15%.

12/75 - Recompleted to Eumont Gas.
 Set cmt rtn @ 3520' and
 squeezed OH w/100 sxs. Perf
 Eumont 3262 - 3495'. Acid-
 ized and fraced.

4/90 - Add Eumont Perfs 2652' - 3186'
 Acidize w/2000 gals, frac
 w/24500 gal + 32000 # sand.
 Squeeze casing leak at 1150'
 440 sxs, cmt to surface

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

Remarks or Additional Data:

7" casing in 8 5/8" hole
 9 5/8" in 11 3/4" hole

PBD 3520

TD 3750

WELL DATA SHEET

LEASE Arco State 157-D WELL NO. 13 FIELD Drinkard DATE 11/28/88
LOCATION 1980 FEET FROM S LINE AND 330 FEET FROM E LINE
SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3455
KDB to GE 10
DF to GE

Date Completed 2/28/80
Initial Formation Drinkard
FROM: 6516 TO: 6628
Initial Production 184 BOPD 77 BWPD
nm MCFPD nm GOR

Completion Data:
Perf Drinkard 6516 - 6628'. Acidize
& frac.

9 5/8 " OD _____ lbs.
Surf. Pipe set @
1232 w/ 550 sx
cmt. Circ? Yes _____

Subsequent Workover or Reconditioning:

Drinkard Perfs
6516'-6628'

5 1/2 " OD
Gr K-55
15.5# Csg set @
6750 ' w/ 3520 sx
Cmt. Circ? Yes
TOC @ by TS

Present Prod. _____ BOPD _____ BWPD _____
 _____ MCFPD _____ GOR _____
 _____ Date _____

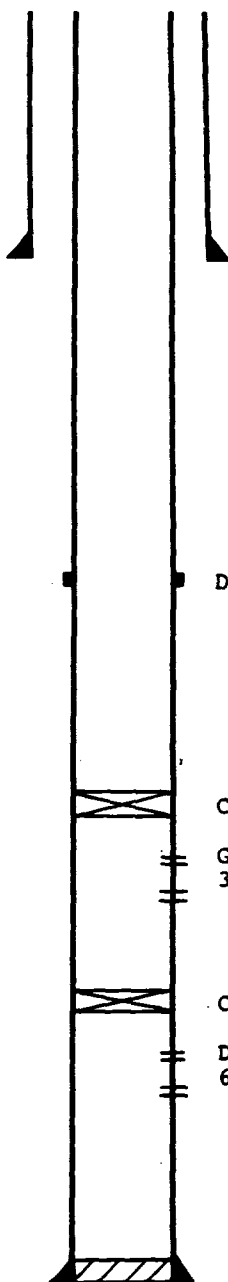
Remarks or Additional Data:
5 1/2" casing in 8 3/4" hole

PBD 6688 '

TD 6750

WELL DATA SHEET

LEASE Arco State 157-D WELL NO. 11 FIELD TA'd DATE 11/28/88
 LOCATION 2123 FEET FROM S LINE AND 1644 FEET FROM E LINE
 SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3462 '
 KDB to GE 10 '
 DF to GE '

9 5/8 " OD 36 lbs.
 Surf. Pipe set @
1209 w/ 550 sx
 cmt. Circ? Yes

Date Completed 12/23/79
 Initial Formation Drinkard
 FROM: 6528 TO: 6644
 Initial Production 80 BOPD 110 BWPD
117 MCFPD 1463 GOR

Completion Data:
 Perf Drinkard 6528 - 6644'. Acidize
 & frac.

Subsequent Workover or Reconditioning:
2/87 - Set CIBP @ 6500 w/35' cmt on
 top. Perf Grayburg 3640-3786'
 Acidized w/5800 gals.
 Produced 100% water.

8/87 - Set CIBP @ 3604'.

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

5 1/2 " OD
 GP
15.5 Csg set @
6800 ' w/ 2025 sx
 Cmt. Circ? Yes
 TOC @ by TS

Remarks or Additional Data:
5 1/2" casing in 8 3/4" hole

PBD 3604 '

TD 6800 '

WELL DATA SHEET

207

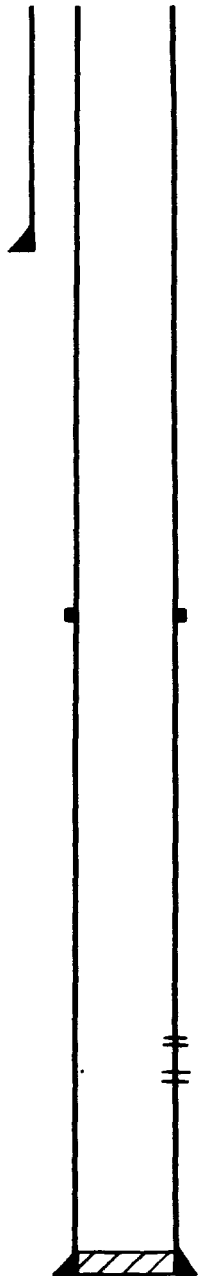
LEASE Arco State 157-D WELL NO. 14 FIELD Drinkard DATE 11/28/88
 LOCATION 1980 FEET FROM S LINE AND 2210 FEET FROM W LINE
 SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3475 '
 KDB to GE 10 '
 DF to GE '

Date Completed 3/3/80
 Initial Formation Drinkard
 FROM: 6527 TO: 6652
 Initial Production 51 BOPD 124 BWPD
142 MCFPD 2784 GOR

Completion Data:
 Perf Drinkard 6527 - 6652'. Acidize
 & frac.

9 5/8 " OD lbs.
 Surf. Pipe set @
1286 w/ 550 sx
 cmt. Circ? Yes



DV tool @ 3726'

Drinkard Perfs
 6527'-6652'

5 1/2 " OD
 Gr
 # Csg set @
6804 ' w/ 2750 sx
 Cmt. Circ? Yes
 TOC @ by TS

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
5 1/2" casing in 8 3/4" hole

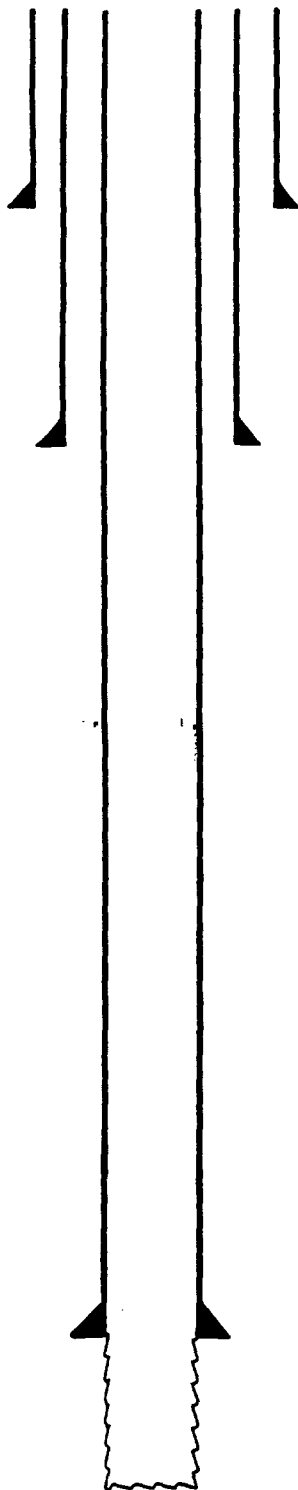
PBD 6745 '

TD 6804 '

AGU 206

WELL DATA SHEET

LEASE Arco State 157-D WELL NO. 1 FIELD Arrowhead DATE 11/28/88
 LOCATION 2310 FEET FROM S LINE AND 330 FEET FROM W LINE
 SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3500
 KDB to GE
 DF to GE 7

3501

13 " OD 40 lbs.
 Surf. Pipe set @
269 w/ 250 sx
 cmt. Circ? N/A
 Toe surf. by Cak.

9 5/8 " OD 40 lbs.
 Csg set at
1395 ' w/ 400 sx
 Cmt. Circ? N/A
 TOC at Surf by
TS Cak

7 " OD
 Gr
24 # Csg set @
3676 ' w/ 250 sx
 Cmt. Circ? No
 TOC @ 2008 by TS
Cak

Date Completed 4/39
 Initial Formation Grayburg
 FROM: 3676 TO: 3776
 Initial Production 600 BOPD 0 BWPD
nm MCFPD nm GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
9/49 - Acidized w/1000 gals 15%.

10/86 - Shot open-hole. Acidized w/
4000 gals 15%.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

Remarks or Additional Data:

7" in 8 5/8" hole
13" in 15 1/2" hole
9 1/8" in 11 3/4" hole

PBD _____

TD 3776

WELL DATA SHEET

208

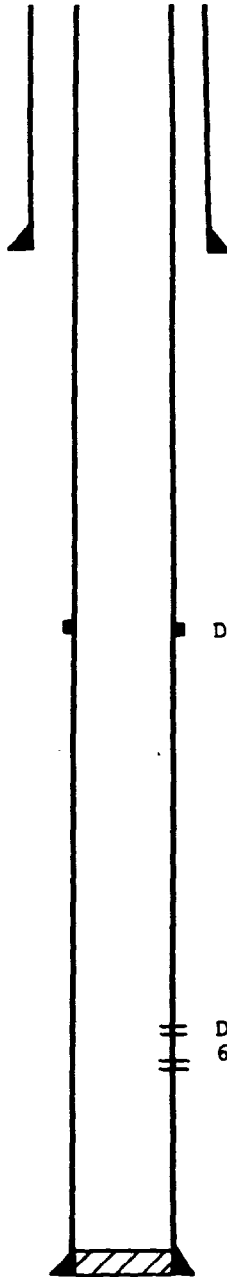
LEASE Arco State 157-D WELL NO. 15 FIELD Drinkard DATE 11/28/88
 LOCATION 660 FEET FROM S LINE AND 940 FEET FROM W LINE
 SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3497 '
 KDB to GE 10 '
 DF to GE 7 '

Date Completed 5/3/80
 Initial Formation Drinkard
 FROM: 6619 TO: 6688
 Initial Production 4 BOPD 38 BWPD
28 MCFPD 7000 GOR

Completion Data:
 Perf Drinkard 6619 - 6688'. Acidize
 & frac.

9 5/8" OD 36 lbs.
 Surf. Pipe set @
1218 w/ 550 sx
 cmt. Circ? Yes



DV tool @ 3692'

Drinkard Perfs
 6619'-6688'

5 1/2" OD
 Gr K-55
15.5# Csg set @
6800 ' w/ 3810 sx
 Cmt. Circ? _____
 TOC @ 250 by CBL

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

Remarks or Additional Data:
5 1/2" casing in 8 3/4" hole

PBD 6742 '

TD 6800 '

209

PBD 3095
TD 3761

WELL DATA SHEET

LEASE Arco State 157-D WELL NO. 12 FIELD Drinkard DATE 11/28/88
 LOCATION 660 FEET FROM S LINE AND 2310 FEET FROM W LINE
 SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3481 '
 KDB to GE 10 '
 DF to GE '

Date Completed 1/1/80
 Initial Formation Drinkard
 FROM: 6513 TO: 6659
 Initial Production 99 BOPD 30 BWPD
264 MCFPD GOR

Completion Data:
Perf Drinkard 6513 - 6659'. Acidize
& frac.

9 5/8" OD 36 lbs.
 Surf. Pipe set @
1220 w/ 550 sx
 Cmt. Circ? Yes

Subsequent Workover or Reconditioning:

DV tool @ 3700'

Drinkard Perfs
 6513'-6659'

5 1/2" OD
 Gr
 Csg set @
6800 ' w/ 3445 sx
 Cmt. Circ? Yes
 TOC @ by TS

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
5 1/2" casing in 8 3/4" hole

PBD 6752 '

TD 6800 '

WELL DATA SHEET

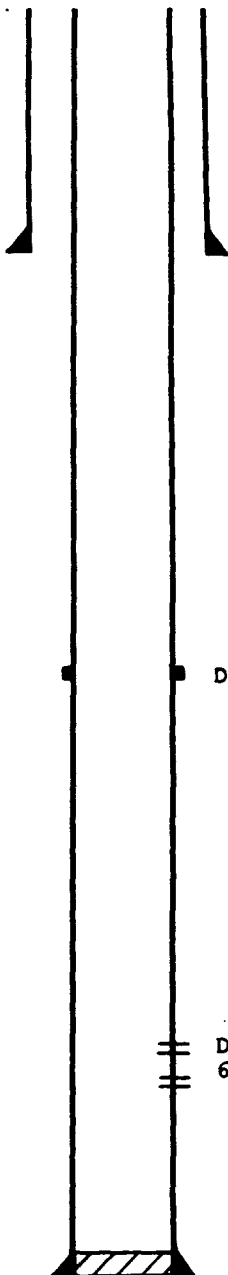
LEASE Arco State 157-D WELL NO. 10 FIELD Drinkard DATE 11/28/88
 LOCATION 660 FEET FROM S LINE AND 1650 FEET FROM E LINE
 SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3469 '
 KDB to GE 13 '
 DF to GE _____

Date Completed 9/24/79
 Initial Formation Drinkard
 FROM: 6510 TO: 6656
 Initial Production 168 BOPD 60 BWPD
193 MCFPD 1149 GOR

Completion Data:
 Perf Drinkard 6510 - 6656'. Acidize
 & frac.

9 5/8 " OD 36 lbs.
 Surf. Pipe set @
1220 w/ 600 sx
 Cmt. Circ? Yes



DV tool @ 3773'

Drinkard Perfs
 6510'-6656'

5 1/2 " OD
 Gr K-55
 15.5# Csg set @
6800 ' w/ 1475 sx
 Cmt. Circ? No
 TOC @ 1050 by TS

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

Remarks or Additional Data:
5 1/2" casing in 8 3/4" hole

PBD 6721 '

TD 6800 '

WELL DATA SHEET

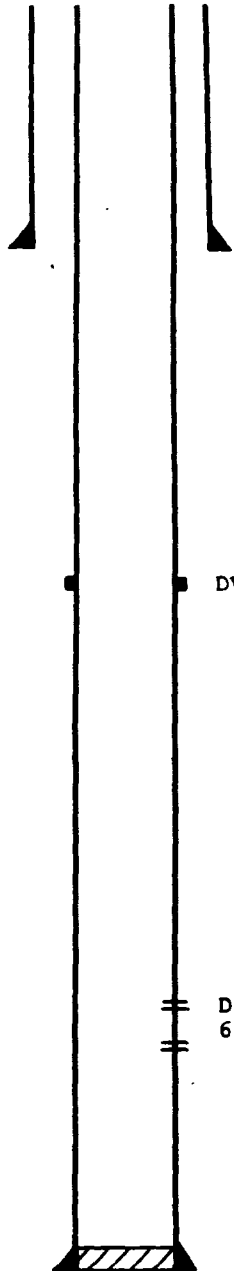
LEASE Arco State 157-D WELL NO. 9 FIELD Drinkard DATE 11/28/88
 LOCATION 660 FEET FROM S LINE AND 330 FEET FROM E LINE
 SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3444 '
 KDB to GE 10 '
 DF to GE '

Date Completed 2/19/79
 Initial Formation Drinkard
 FROM: 6490 TO: 6611
 Initial Production 74 BOPD 136 BWPD
114 MCFPD 1541 GOR

Completion Data:
 Perf Drinkard 6490 - 6611. Acidize & frac.

9 5/8 " OD 40 lbs.
 Surf. Pipe set @
1220 w/ 650 sx
 cmt. Circ? Yes



DV tool @ 3708'

Drinkard Perfs
 6490'-6611'

5 1/2 " OD
 Gr
15.5 Csg set @
6793 ' w/ 2575 sx
 Cmt. Circ? Yes
 TOC @ by TS

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

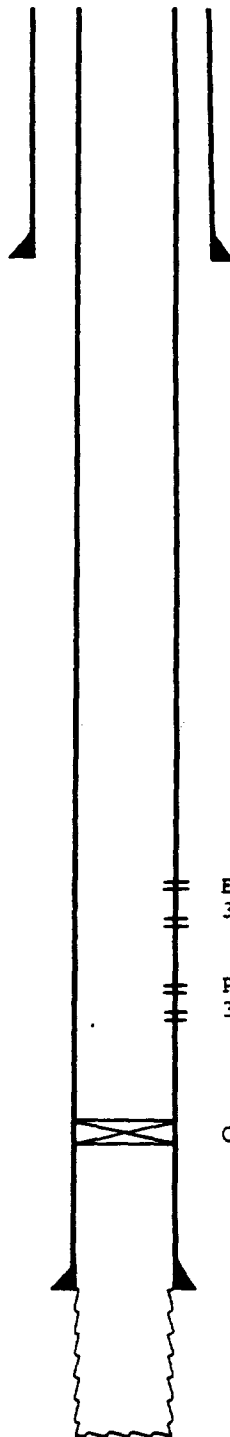
Remarks or Additional Data:
5 1/2" casing in 8 3/4" hole

PBD '
 TD 6793 '

WELL DATA SHEET

220

LEASE Marathon McDonald A/C 2 WELL NO. 11 FIELD Eumont Gas DATE 11/28/88
 LOCATION 330 FEET FROM N LINE AND 330 FEET FROM E LINE
 SECTION 13 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3441 '
 KDB to GE 11 '
 DF to GE '

9 5/8" OD 36 lbs.
 Surf. Pipe set @
362 w/ 175 sx
 cmt. Circ? N/A
 Toe e surf by calc

Date Completed 11/39
 Initial Formation Grayburg
 FROM: 3632 TO: 3735
 Initial Production 912 BOPD 0 BWPD
705 MCFPD 7.3 GOR

Completion Data:
Openhole completion

Subsequent Workover or Reconditioning:
9/58 - PB to 3716' w/gravel & hydro-
mite. Dual w/Eumont. Set pkr
at 3610'. Perf Eumont 3458 -
96'.

11/22/63 - TA'd.

11/83 - Set CIBP @ 3592'. Perf
Penrose 3516 - 89'.

Eumont Perfs
 3458'-3496'

Penrose Perfs
 3516'-3589'

CIBP @ 3592'

7 " OD
 Gr 24 # Csg set @
3632 ' w/ 300 sx
 Cmt. Circ?
 TOC @ 2458 by TS

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:

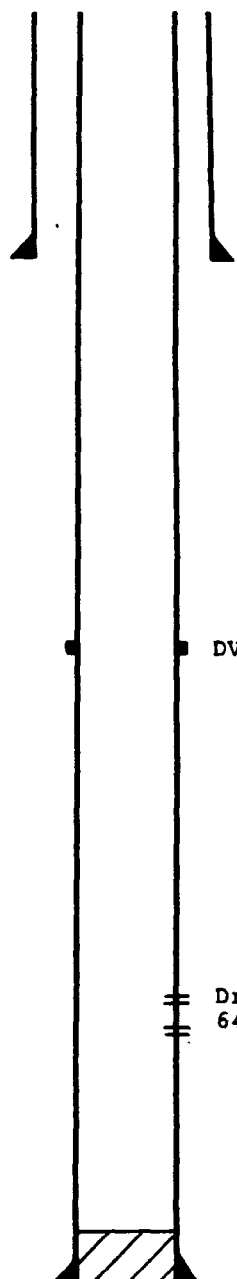
7" in 8 3/4" hole
9 5/8" in 11" hole

PBD 3592 '

TD 3735 '

WELL DATA SHEET

LEASE Marathon McDonald A/C 2 WELL NO. 30 FIELD Drinkard DATE 11/29/88
 LOCATION 660 FEET FROM N LINE AND 330 FEET FROM E LINE
 SECTION 13 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3443 '
 KDB to GE 11 '
 DF to GE '

8 5/8" OD 24 lbs.
 Surf. Pipe set @
1312 w/ 425 sx
 cmt. Circ? Yes

DV tool @ 2779'

Drinkard Perfs
 6496'-6640'

5 1/2" OD
 Gr K-55
17 # Csg set @
6761 ' w/ 1900 sx
 Cmt. Circ?
 TOC @ 2948/0 by CBL

Date Completed 7/78
 Initial Formation Drinkard
 FROM: 6496 TO: 6640
 Initial Production 349 BOPD 683 BWPD
356 MCFPD 1020 GOR

Completion Data:
Perf Drinkard 6496 - 6640'. Fraced.

Subsequent Workover or Reconditioning:

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

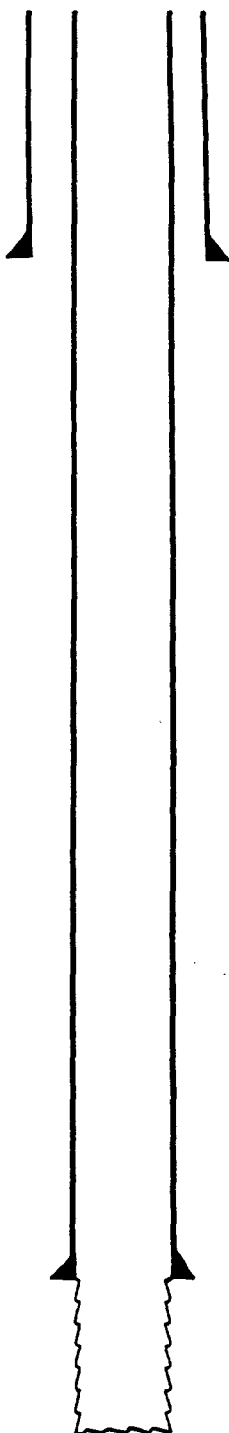
Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.

PBD 6651 '

TD 6761 '

WELL DATA SHEET

LEASE Marathon McDonald A/C 2 WELL NO. 12 FIELD Arrowhead DATE 11/28/88
 LOCATION 330 FEET FROM N LINE AND 1650 FEET FROM E LINE
 SECTION 13 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3464 '
 KDB to GE 12 '
 DF to GE '

9 5/8" OD lbs.
 Surf. Pipe set @
338 w/ 150 sx
 cmt. Circ? NIA
 Toe e surf by calc

Date Completed 11/39
 Initial Formation Grayburg
 FROM: 3619 TO: 3760
 Initial Production 1200 BOPD 0 BWPD
1000 MCFPD 833 GOR

Completion Data:
Acidized w/3000 gals 15%.

Subsequent Workover or Reconditioning:
4/7/73 - TA'd.

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

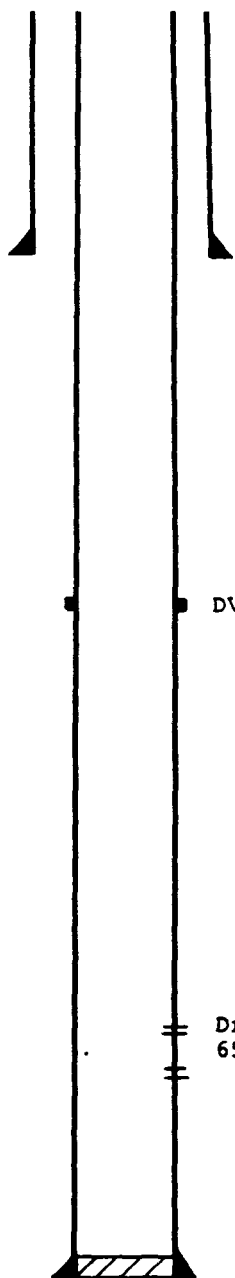
5 1/2" OD
 Gr
15 # Csg set @
3619 ' w/ 600 sx
 Cmt. Circ? No
 TOC @ 607 by TS
Calc

Remarks or Additional Data:
5 1/2" casing in 8 1/8" hole.
9 5/8" in 11" hole

PBD '
 TD 3760 '

WELL DATA SHEET

LEASE Marathon McDonald A/C 2 WELL NO. 32 FIELD Drinkard DATE 11/29/88
 LOCATION 660 FEET FROM N LINE AND 1650 FEET FROM E LINE
 SECTION 13 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3460 '
 KDB to GE 11 '
 DF to GE '

8 5/8" OD 24 lbs.
 Surf. Pipe set @
1310 w/ 600 sx
 cmt. Circ? Yes

DV Tool @ 3110'

Drinkard Perfs
 6535'-6629'

5 1/2" OD
 Gr K-55
15.5# Csg set @
6750 ' w/ 2075 sx
 Cmt. Circ? Yes
 TOC @ 3266/0 by CBL

Date Completed 7/78
 Initial Formation Drinkard
 FROM: 6535 TO: 6629
 Initial Production 108 BOPD 68 BWPD
 nm MCFPD nm GOR
 Completion Data:
Perf Drinkard 6535 - 6629'. Acidize.

Subsequent Workover or Reconditioning:
'80 - Acidize Drinkard.

4/81 - Fraced Drinkard

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.

PBD 6702 '
 TD 6750 '

WELL DATA SHEET

AGU 222 W

LEASE Marathon McDonald A/C 2 WELL NO. 13 FIELD Arrowhead DATE 11/28/88
 LOCATION 330 FEET FROM N LINE AND 2310 FEET FROM W LINE
 SECTION 13 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3481 '
 KDB to GE '
 DF to GE 11 '

Date Completed 1/40
 Initial Formation Grayburg
 FROM: 3641 TO: 3760
 Initial Production 1080 BOPD 0 BWPD
552 MCFPD 511 GOR

Completion Data:
Openhole completion.

9 5/8" OD 19.5 lbs.
Surf. Pipe set @
338 w/ 150 sx
cmt. Circ? N/A
TOC e surf by calc

Subsequent Workover or Reconditioning:
'49 - Treated w/1000 gals 15% HCL.

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

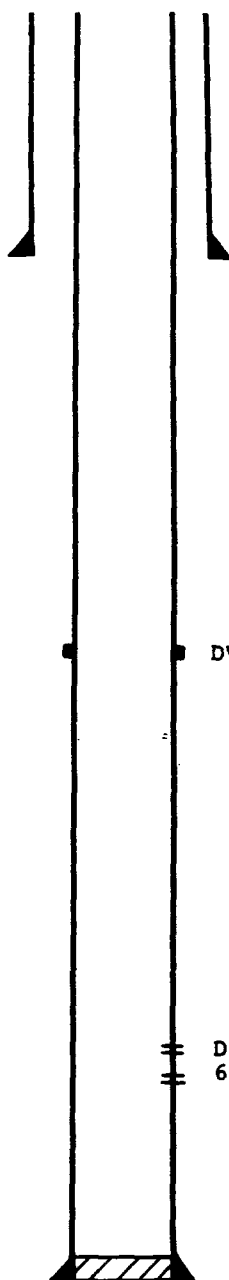
Remarks or Additional Data:
5 1/2" casing in 8 1/8" hole.
9 5/8" is 11" hole

5 1/2" OD
Gr
15.5# Csg set @
3641' w/ 600 sx
Cmt. Circ? No
TOC @ 629 by TS
Calc

PBD '
 TD 3760 '

WELL DATA SHEET

LEASE Marathon McDonald A/C 2 WELL NO. 34 FIELD Drinkard DATE 11/29/88
 LOCATION 660 FEET FROM N LINE AND 2310 FEET FROM W LINE
 SECTION 13 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3483
 KDB to GE 13
 DF to GE

8 5/8" OD 24 lbs.
 Surf. Pipe set @
1320 w/ 570 sx
 cmt. Circ? Yes

DV tool @ 2929'

Drinkard Perfs
 6645'-6605'

5 1/2" OD
 GF K-55
15.5# Csg set @
6750 ' w/ 1975 sx
 Cmt. Circ? Yes
 TOC @ 3554/0 by CBL

Date Completed 1/81
 Initial Formation Drinkard
 FROM: 6545 TO: 6605
 Initial Production 74 BOPD 79 BWPD
50 MCFPD 676 GOR

Completion Data:
Perf Drinkard 6545 - 6605'. Acidize.
and frac.

Subsequent Workover or Reconditioning:

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.

PBD 6714
 TD 6750

WELL DATA SHEET

LEASE Marathon McDonald A/C 2 WELL NO. 14 FIELD Arrowhead DATE 11/28/88
 LOCATION 330 FEET FROM N LINE AND 990 FEET FROM W LINE
 SECTION 13 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3497 '
 KDB to GE _____ '
 DF to GE 12 _____ '

Date Completed 2/40
 Initial Formation Grayburg
 FROM: 3690 TO: 3800
 Initial Production 96 BOPD 0 BWPD
100 MCFPD 1042 GOR

Completion Data:
Openhole completion.

9 5/8" OD 19.5 lbs.
 Surf. Pipe set @
300 w/ 200 sx
 cmt. Circ? N/A
 Toc @ surf by calc

Subsequent Workover or Reconditioning:

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

Remarks or Additional Data:
5 1/2" casing in 8 1/8" hole.
9 5/8" i.d. 11" hole

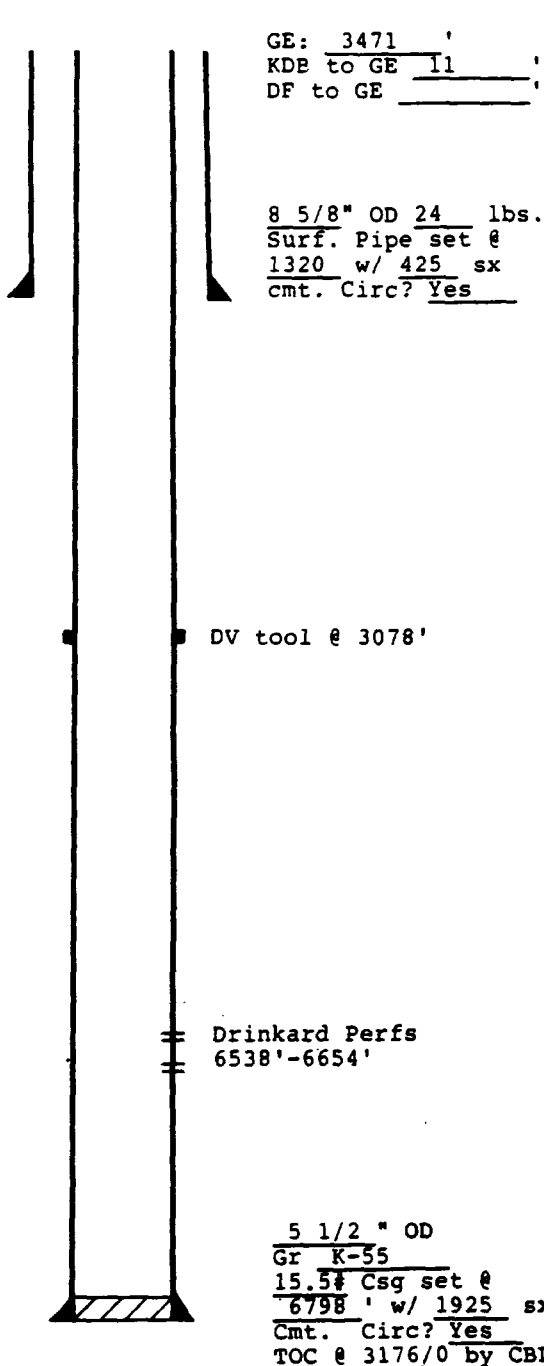
5 1/2" OD
 Gr _____
15 # Csg set @
3690 ' w/ 600 sx
 Cmt. Circ? NO
 TOC @ 678 by TS
 Calc

PBD _____

TD 3800 _____

WELL DATA SHEET

LEASE Marathon McDonald A/C 2 WELL NO. 31 FIELD Drinkard DATE 11/29/88
LOCATION 1800 FEET FROM N LINE AND 1650 FEET FROM E LINE
SECTION 13 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



Date Completed 7/78
Initial Formation Drinkard
FROM: 6538 TO: 6654
Initial Production 149 BOPD 33 BWPD
100 MCFPD 671 GOR

Completion Data:
Perf Drinkard 6538 - 6654'. Acidize & frac.

Subsequent Workover or Reconditioning:

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
Date _____

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.

PBD 6742 '
TD 6800 '

WELL DATA SHEET

226

LEASE Marathon McDonald A/C 2 WELL NO. 17 FIELD TA'd DATE 11/28/88
 LOCATION 1650 FEET FROM N LINE AND 330 FEET FROM E LINE
 SECTION 13 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3451
 KDB to GE 12
 DF to GE 11

Date Completed 5/40
 Initial Formation Grayburg
 FROM: 3627 TO: 3760
 Initial Production 1048 BOPD 0 BWPD
4688 MCFPD 4473 GOR

Completion Data:
Openhole completion.

9 5/8" OD 19.5 lbs.
Surf. Pipe set @
334 w/ 125 sx
cmt. Circ? N/A
TOC @ Surf by Calc

casing leak @ 900'

Subsequent Workover or Reconditioning:
'49 - Acidized w/1000 gals 20% HCL.

'49 - Deepened to 3779'. Attempted
to squeeze casing leak @ 900'.
Unsuccessful.

11/12/74 - TA'd.

3/14/84 - Planned to recomplate to
Penrose. Left junk in hole

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

4 1/2" OD
Gr
9.5 # Csg set @
3627' w/ 200 sx
Cmt. Circ?
TOC @ _____ by TS

Remarks or Additional Data:
Junk in hole - 1760' rods, 3760' tbq
and pkr. All stuck.

4 1/2" in 6 3/4" hole
9 5/8" in 11 3/4" hole

PBD _____

TD 3779

WELL DATA SHEET

226

LEASE Marathon McDonald A/C 2 WELL NO. 29 FIELD Drinkard DATE 11/29/88
 LOCATION 1800 FEET FROM N LINE AND 330 FEET FROM E LINE
 SECTION 13 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3452 '
 KDB to GE 10 '
 DF to GE _____'

Date Completed 5/78
 Initial Formation Drinkard
 FROM: 6485 TO: 6653
 Initial Production 354 BOPD 5 BOPD
375 MCFPD 1059 GOR

Completion Data:
Perf Drinkard 6485 - 6653'. Acidized

8 5/8" OD 24 lbs.
 Surf. Pipe set @
1305 w/ 500 sx
 cmt. Circ? Yes

Subsequent Workover or Reconditioning:
12/82 - Fraced Drinkard.

DV Tool @ 3120'

Drinkard Perfs
 6485'-6653'

5 1/2" OD
 Gr K-55
15.5# Csg set @
6710 ' w/ 2595 sx
 Cmt. Circ? Yes
 TOC @ 3418/0 by CBL

Present Prod. _____ BOPD _____ BOPD
 _____ MCFPD _____ GOR
 _____ Date _____

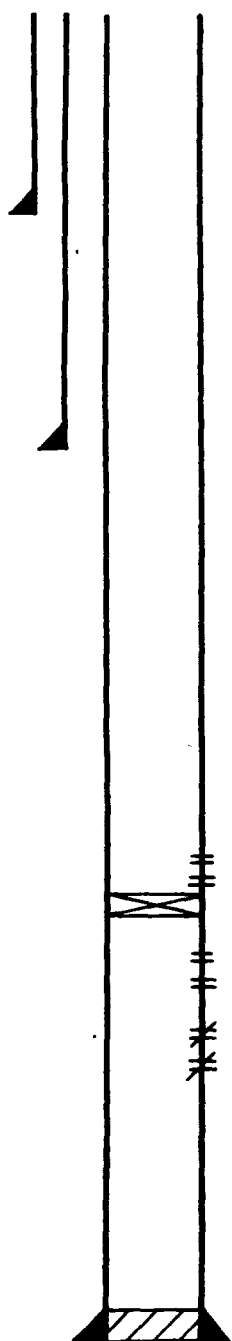
Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.

PBD 6672 '

TD 6710 '

WELL DATA SHEET

LEASE Marathon McDonald A/C 2 WELL NO. 33 FIELD Blinebry (SI) DATE 11/22/86
 LOCATION 2160 FEET FROM S LINE AND 330 FEET FROM E LINE
 SECTION 13 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3446 '
 KDB to GE 11 '
 DF to GE _____

9 5/8" OD 32 lbs.
 Surf. Pipe set @
1300 w/ 800 sx
 Cmt. Circ? Yes

7 " OD 23 lbs.
 Csg set at
4724 ' w/ 500 sx
 Cmt. Circ? Yes
 TOC at _____ by
 TS

Blinebry Perfs
5484'-5629'
 CIBP @ 6018'

Drinkard Perfs
6514-6544'

Squeezed Drinkard Perfs
6607'-6617'

4 1/2" OD
 Gr K-55
10.5 Csg set @
6750 ' w/ 450 sx
 Cmt. Circ? No
 TOC @ 1120 by CBL

Date Completed 1/79

Initial Formation Drinkard

FROM: 6514

TO: 6617

Initial Production _____

BOPD _____

BWPD _____

MCFPD _____

GOR _____

Completion Data:

Perf Drinkard 6607 - 6617. Acidized.

Squeezed. Perf 6514 - 44'. Acidized.

Left TA'd.

Subsequent Workover or Reconditioning:

10/18/82 - Set CIBP @ 6018'. Perf

Blinebry 5484 - 5629'.

Acidized w/2000 gals.

Present Prod. _____

BOPD _____

BWPD _____

MCFPD _____

GOR _____

Date _____

Remarks or Additional Data:

4 1/2" in 6 1/4" hole.

PBD 6018 '

TD 6750 '

WELL DATA SHEET

LEASE Marathon McDonald A/C 2 WELL NO. 22 FIELD TA'd DATE 11/28/88
 LOCATION 2310 FEET FROM S LINE AND 1650 FEET FROM E LINE
 SECTION 13 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3463 '
 KDB to GE 10 '
 DF to GE '

Date Completed 5/41
 Initial Formation Grayburg
 FROM: 3724 TO: 3756
 Initial Production 616 BOPD 0 BWPD
260 MCFPD 422 GOR

Completion Data:
Openhole completion.

8 5/8" OD 32 lbs.
 Surf. Pipe set @
322 w/ 150 sx
 cmt. Circ? N/A
 TOC @ Surf by Calc

Subsequent Workover or Reconditioning:

8/48 - Deepened to 3781'. Acidized
w/1000 gals. Squeezed form-
ation w/plastic. Drilled out
to 3781'. Put on pump.

5/55 - Pulled rods & pump. TA'd.

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:

4 1/2" casing in 7 hole.
2 7/8" i.d. hole

4 1/2" OD
 Gr
9.5 # Csg set @
3724 ' w/ 150 sx
 Cmt. Circ? No
 TOC @ 2840 by PS
Calc

PBD '

TD 3781 '

LEASE Marathon McDonald A/C 2 WELL NO. 26 FIELD Eumont DATE 11/29/88
 LOCATION 1980 FEET FROM S LINE AND 1980 FEET FROM E LINE
 SECTION 13 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3468 '
 KDB to GE 12 '
 DF to GE _____'

9 5/8" OD 32.3 lbs.
Surf. Pipe set @
351 w/ 250 sx
cmt. Circ? Yes

DV Tool @ 2996'

Eumont Perfs
 3186'-3440'

Penrose Perfs
 3528'-3594'

5 1/2" OD
Gr
15.5# Csg set @
3704' w/ 1320 sx
Cmt. Circ? No
TOC @ 320 by TS

Date Completed 12/57
 Initial Formation Eumont
 FROM: 3186 TO: 3440
 Initial Production 0 BOPD 0 BWPD
642 MCFPD _____ GOR

Completion Data:
 Perf Eumont 3186 - 3440'. Acidize
 and frac. w/500 gals acid, 20,000
 gals oil w/1# spg.

Tested Penrose through perfs 3528'-
 3594'. Set CIBP @ 3473'.

Subsequent Workover or Reconditioning:
 8/83 - Opened upper Penrose perfs
 3528 - 3594 by drilling out
 CIBP @ 3473'. Acidize w/3000
 gals 15% HCL. Downhole com-
 mingle Eumont & Penrose.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.

PBD 3636 '

TD 3705 '

WELL DATA SHEET

248

LEASE Arco McDonald State WN WELL NO. 21 FIELD Jalmat DATE 11/29/88
 LOCATION 330 FEET FROM N LINE AND 330 FEET FROM E LINE
 SECTION 24 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3436 '
 KDB to GE '
 DF to GE 5 '

Date Completed 4/41
 Initial Formation Grayburg
 FROM: 3503 TO: 3716
 Initial Production 348 BOPD 0 BWPD
188 MCFPD 540 GOR

Completion Data:
 Acidized w/1000 gals.

8 5/8" OD 29.4 lbs.
 Surf. Pipe set @
336 w/ 150 sx
 cmt. Circ? N/A
 TOC @ surf by calc

Squeezed casing leaks
 @ 560'-600' & 710'-800'
 through perf @ 815'
 w/ 155 sxs.

Subsequent Workover or Reconditioning:

9/60 - Recompleted to Jalmat. Set
 CIBP @ 3310' w/1 sx cmt on
 top. Found casing leaks 560-
 600 & 710 - 800'. Perf csg
 @ 815'. Cemented w/80 sxs.
 No circulation. Squeezed w/75
 sxs. Perf Jalmat 2720 - 3270'
 Frac w/27,000 gals & 27,000
 #'s sand.

12/73 - Acidized w/1000 gals 15%.

Jalmat Perfs
 2720'-3270'

CIBP @ 3310'

4 1/2" OD
 Gr
9.5 # Csg set @
3503 ' w/ 150 sx
 Cmt. Circ? No
 TOC @ 2480 by CBL

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:

4 1/2" casing in 7" hole.
8 5/8" in 11" hole

PBD 3310 '

TD 3716 '

WELL DATA SHEET

Chevron
LEASE H.T. Mattern (NCT-D) WELL NO. 9 FIELD Tubb/Drinkard DATE 11/23/88
LOCATION 810 FEET FROM N LINE AND 660 FEET FROM W LINE
SECTION 6 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM

GE: 3467
KDB to GE 11
DF to GE

Date Completed 11/20/74
Initial Formation Drinkard
FROM: 6436 TO: 6674
Initial Production 106 BOPD 106 BWPD
nm MCFPD nm GOR

Completion Data:
Perf Drinkard 6436 - 6674'. Fraced.

8 5/8" OD 24 lbs.
Surf. Pipe set @
1186 w/ 585 sx
cmt. Circ? Yes

Subsequent Workover or Reconditioning:
9/7/82 - Set CIBP @ 6350'. Perf Tubb
6146 - 6306'. Acidize &
frac.

8/19/85 - Knock CIBP to bottom of
hole. Downhole commingle
Tubb & Drinkard. Acidized.

Tubb Perfs
6146'-6306'

Drinkard Perfs
6436'-6674'

Present Prod. _____ BOPD _____ BWPD _____
 _____ MCFPD _____ GOR _____
 _____ Date _____

5 1/2 " OD

Gr

14, 15.5 & 17# Csg set @

6800 w/ 725 SX

Cmt. Circ? No

TOC @ 2360 by TS

Remarks or Additional Data:

5 1/2" casing in 7 7/8" hole

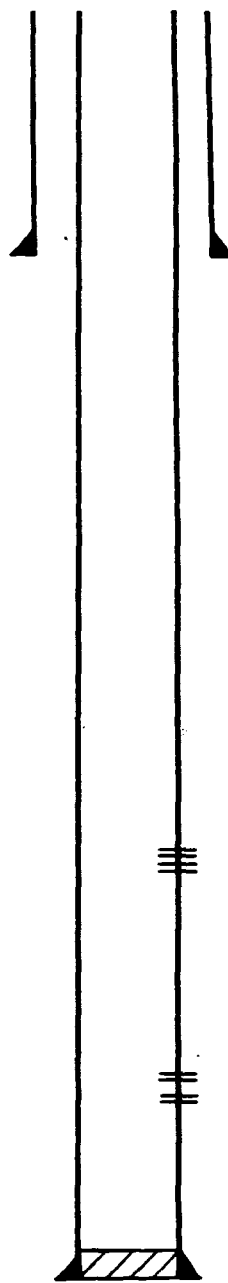
CIBP @ bottom of hole

PBD 6767

TD 6800

WELL DATA SHEET

Chevron
LEASE H.T. Mattern (NCT-D) WELL NO. 8 FIELD Blinebry/Drinkard DATE 11/23/88
LOCATION 1980 FEET FROM N LINE AND 660 FEET FROM W LINE
SECTION 6 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3467 '
KDB to GE 11.6 '
DF to GE _____

8 5/8" OD 24 lbs.
Surf. Pipe set @
1169 w/ 600 sx
cmt. Circ? Yes

Date Completed 7/15/74
Initial Formation Drinkard
FROM: 6520 TO: 6716
Initial Production 135 BOPD 52 BWPD
nm MCFPD nm GOR

Completion Data:
Perf 6520 - 6716'. Fraced.

Subsequent Workover or Reconditioning:
6/21/76 - Perf Blinebry 5498 - 5714'
Acidized and fraced.
Downhole commingled.

≡≡≡ Blinebry Perfs
5498'-5714'

≡≡≡ Drinkard Perfs
6520'-6716'

5 1/2" OD
Gr K-55
15.5# Csg set @
6820' w/ 735 sx
Cmt. Circ? No
TOC @ 2310 by TS

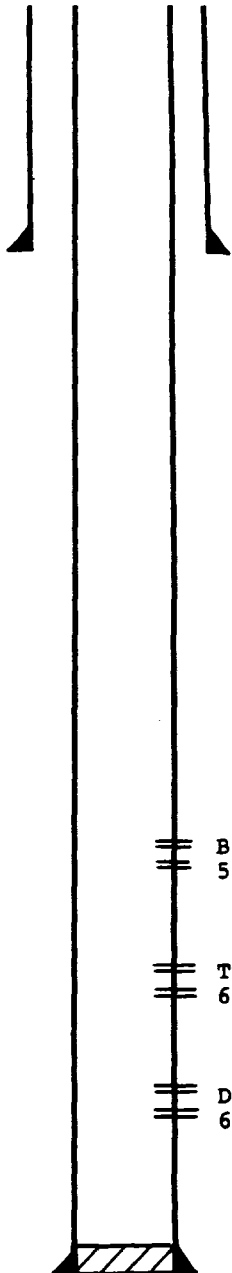
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
Date _____

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD 6786 '
TD 6820 '

WELL DATA SHEET

Chevron H.T.
 LEASE Mattern (NCT-D) WELL NO. 12 FIELD Blinebry/Tubb/Drinkard DATE 11/23/88
 LOCATION 2310 FEET FROM S LINE AND 1860 FEET FROM W LINE
 SECTION 6 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3454 '
 KDB to GE 11 '
 DF to GE '

8 5/8" OD 24 lbs.
 Surf. Pipe set @
1188 w/ 450 sx
 cmt. Circ? Yes

== Blinebry Perfs
 == 5478'-5706'

== Tubb Perfs
 == 6229'-6344'

== Drinkard Perfs
 == 6548'-6657'

5 1/2" OD
 Gr K-55
15.5 # Csg set @
6800 w/ 700 sx
 Cmt. Circ? No
 TOC @ 2440 by TS

Date Completed 7/31/75
 Initial Formation Drinkard
 FROM: 6548 TO: 6657
 Initial Production 110 BOPD 140 BWPD
nm MCFPD nm GOR

Completion Data:
Perf Drinkard 6548 - 6657'. Acidized
and fraced.

Subsequent Workover or Reconditioning:
10/20/76 - Acidized Drinkard.

11/14/78 - Set CIBP @ 6450'. Perf
Tubb 6229 - 6344'. Acid-
ized and fraced.

8/10/79 - Drilled out CIBP. Downhole
commingle Tubb & Drinkard.

8/13/82 - Set CIBP @ 6100'. Perf
Blinebry 5478 - 5706'.
Acidized and fraced.

5/25/83 - Knocked CIBP to bottom of
hole. Acidized. Downhole
commingled Blinebry/Tubb/
Drinkard.

1/7/88 - Dump acid w/1000 gals.

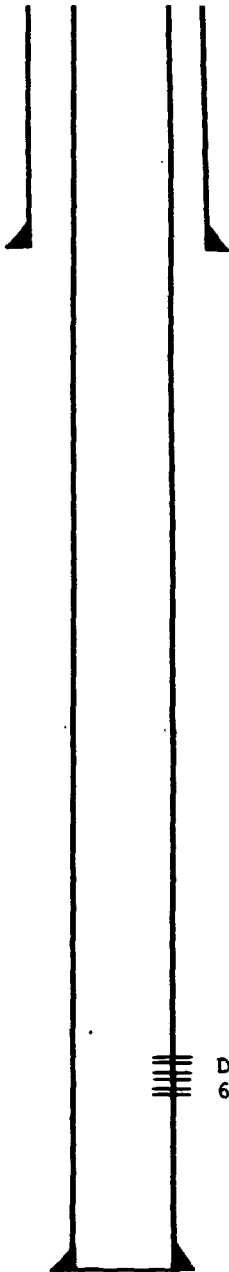
Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD 6759 '
 TD 6800 '

WELL DATA SHEET

LEASE Martindale Pan Cana Fed WELL NO. 2 FIELD Drinkard DATE 11/22/88
LOCATION 1755 FEET FROM S LINE AND 990 FEET FROM W LINE
SECTION 6 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3463.6 '
KDB to GE 12.5 '
DF to GE _____

8 5/8" OD 24 lbs.
Surf. Pipe set @
1091 w/ 425 sx
cmt. Circ? Yes

=====
=====
=====
Drinkard Perfs
6493'-6680'

5 1/2 " OD
Gr _____
17 5/8" Csg set @
6814 ' w/ 2615 sx
Cmt. Circ? Yes
TOC @ _____ by TS

Date Completed 6/8/77
Initial Formation Drinkard
FROM: 6493 TO: 6680
Initial Production 50 BOPD 35 BWPD
60 MCFPD 1200 GOR

Completion Data:
Perf Drinkard 6493 - 6680. Acidize
and frac.

Subsequent Workover or Reconditioning:
3/18/80 - Acidized Drinkard w/3500
gals 15%.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

Remarks or Additional Data:
5 1/2" in 7 7/8" hole

PBD 6766 '
TD 6783 '

WELL DATA SHEET

LEASE Martindale Pan Cana Fed WELL NO. 1 FIELD Drinkard DATE 11/22/88
LOCATION 660 FEET FROM S LINE AND 990 FEET FROM W LINE
SECTION 6 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM

GE: 3456 '
KDB to GE 11 '
DF to GE

Date Completed 12/22/76
Initial Formation Drinkard
FROM: 6462 TO: 6654
Initial Production 97 BOPD 288 BWPD
nm MCFPD nm GOR

Completion Data:
Perf Drinkard 6462 - 6654. Acidize
and frac.

8 5/8" OD 24 lbs.
Surf. Pipe set @
1092 w/ 650 sx
cmt. Circ? Yes

DV Tool @ 2560'

Blinebry Perfs
5460' - 5988'

Tubb Perfs
6275' - 6383'

Drinkard Perfs
6462'-6654'

Subsequent Workover or Reconditioning:
7/19/78 - Acidized w/2000 gals 15%.

6/87 - Perf Blinebry 5460-5988,
acidize and frac.

1/88 - Perf Tubb 6275- 6383',
acidize w/2500 gals.
Perf Blinebry 5868 - 5938'
acidize and frac.
Down-hole comingle.

5 1/2 " OD
Gr K-55
17 20# Csg set @
6783 w/ 2550 sx
Cmt. Circ? Yes
TOC @ by TS

Present Prod. _____ BOPD _____ BWPD _____
 _____ MCFPD _____ GOR _____
 _____ Date _____

Remarks or Additional Data:
5 1/2" in 7 7/8" hole

PBD 6735
TD 6814

WELL DATA SHEET

LEASE Meridian Elliott WELL NO. 1 FIELD Eumont DATE 11/22/88
 LOCATION 330 FEET FROM S LINE AND 610 FEET FROM W LINE
 SECTION 6 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM

GE: 3459 '
 KDB to GE 8 '
 DF to GE '

Date Completed 2/16/45
 Initial Formation Grayburg
 FROM: 3705 TO: 3722
 Initial Production BOPD BWPD
 MCFPD GOR

Completion Data:
Not available.

8 5/8" OD lbs.
 Surf. Pipe set @
1056 w/ 575 sxs.
 cmt. Circ? Yes

Subsequent Workover or Reconditioning:
3/5/52 - Acidized w/1000 gals 15%.

10/56 - Perfed Queen 3468 - 3530'.
Dual complete.

1980? - TA'd Grayburg.

== Eumont Perfs
 == 3468'-3530'

== Grayburg Perfs
 == 3705'-3722'

5 1/2" OD
Gr
 Csg set @
3723 ' w/ 300 sx
 Cmt. Circ? No
 TOC @ 2123 by 76
Calc

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:

5 1/2" casing assumed in 7 7/8" hole

PBD '

TD 3724 '

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-D) WELL NO. 6 FIELD Eumont Gas DATE 11/23/88LOCATION 660 FEET FROM S LINE AND 1980 FEET FROM W LINESECTION 6 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM

GE: 3459 '
 KDB to GE 11 '
 DF to GE 10 '

Date Completed 6/24/48
 Initial Formation Grayburg
 FROM: 3655 TO: 3745
 Initial Production 40 BOPD 0 BWPD
157 MCFPD 3925 GOR

Completion Data:
Acidized w/1000 gals.

9 5/8" OD 40 & 25 #
Surf. Pipe set @
318 w/ 200 sx
cmt. Circ? Yes

Subsequent Workover or Reconditioning:

11/11/56 - PB to 3722' w/24 gals
hydromite. Fraced w/8000
gals gelled oil w/1 #
spg. Installed pump.

1/3/57 - Set cmt rtn at 3620 and
squeezed open hole w/103
sxs. Perf Eumont 3168-3596'
Acidized and fraced.

5/19/65 - Acidized Eumont.

Eumont Perfs
3168'-3596'

Cmt. rtn. @ 3620'

5 1/2" OD
Gr H-40
14 # Csg set @
3655' w/ 550 sx
Cmt. Circ? No
TOC @ 2315 by TS

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole
4 3/4" open hole

PBD 3620 '

TD 3745 '

WELL DATA SHEET

Chevron H.T.
LEASE Mattern (NCT-D) WELL NO. 13 FIELD Blinebry/Tubb/Drinkard DATE 11/23/86

LOCATION 810 FEET FROM S LINE AND 1930 FEET FROM W LINE

SECTION 6 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM

GE: 3457 '
KDB to GE 14 '
DF to GE '

8 5/8" OD 24 lbs.
Surf. Pipe set @
1149 w/ 300 sx
cmt. Circ? Yes

Date Completed 8/20/75
Initial Formation Drinkard
FROM: 6484 TO: 6660
Initial Production 110 BOPD 160 BWPD
nm MCFPD nm GOR

Completion Data:
Perf Drinkard 6484 - 6660'. Acidized and fraced.

Subsequent Workover or Reconditioning:
12/11/80 - Set CIBP @ 6450'. Perf
Tubb 6276 - 6327'. Acid-
ize & frac.

6/4/81 - Knocked CIBP to 6675'. Down
hole commingle Tubb &
Drinkard.

6/28/82 - Set CIBP @ 6100. Perf
Blinebry 5462 - 5640'.
Acidized & fraced (TA
Tubb/Drinkard.

6/21/83 - Knocked CIBP to 6670'.
Downhole commingle
Blinebry, Tubb & Drinkard.
Acidize.

Blinebry Perfs
5462'-5640'

Tubb Perfs
6276'-6327'

Drinkard Perfs
6484'-6660'

5 1/2" OD
Gr K-55
15.5 # Csg set @
6712 w/ 750 sx
Cmt. Circ? No
TOC @ 2230 by TS

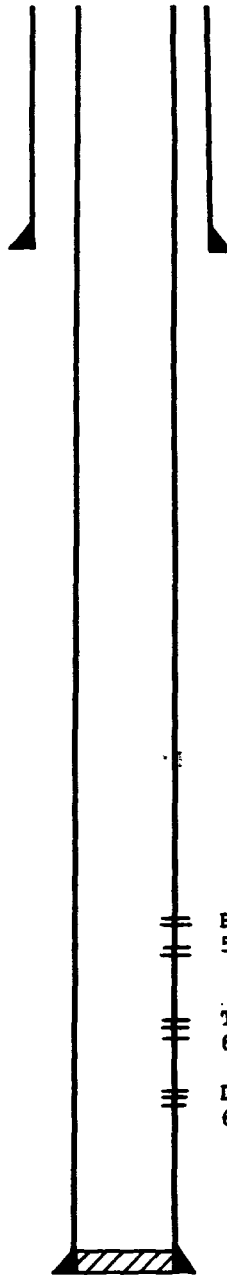
Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD 6686 '

TD 6715 '

WELL DATA SHEET

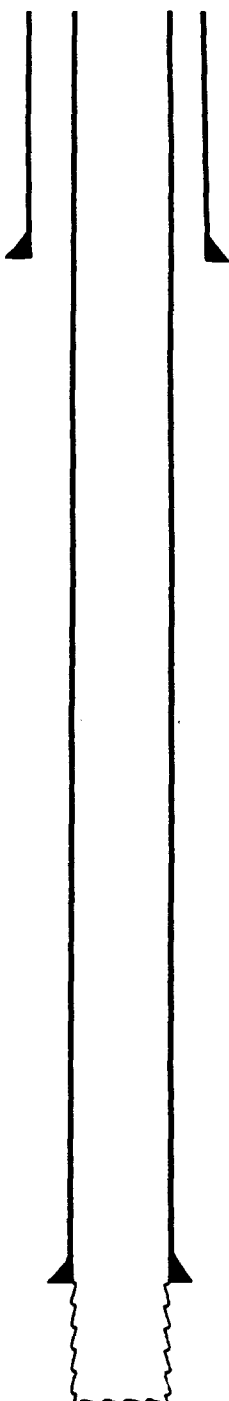
Blinebry/
Tubb/LEASE Chevron H.T. Mattern (NCT-D) WELL NO. 14 FIELD Drinkard DATE 12/1/88LOCATION 400 FEET FROM N LINE AND 1650 FEET FROM W LINESECTION 7 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NMGE: 3445 '
KDB to GE 13.6 '
DF to GE _____8 5/8" OD 24 lbs.
Surf. Pipe set @
1120 w/ 500 sx
cmt. Circ? YesBlinebry Perfs
5464'-5728'Tubb Perfs
6205'-6310'Drinkard Perfs
6488'-6644'5 1/2" OD
Gr K-55
15.5# Csg set @
6700' w/ 700 sx
Cmt. Circ? No
TOC @ 2220 by TSDate Completed 8/25/75
Initial Formation Drinkard
FROM: 6488 TO: 6644
Initial Production 155 BOPD 68 BWPD
nm MCFPD nm GOR

Completion Data:

Perf Drinkard 6488 - 6644. Acidized and fraced.Subsequent Workover or Reconditioning:
10/3/75 - Acidized Drinkard.8/26/76 - Acidized Drinkard.10/11/79 - Set CIBP @ 6385'. Perf
Tubb 6205 - 6310'. Acid-
ize and frac.5/6/80 - Downhole commingled Tubb &
Drinkard.8/4/82 - Set CIBP @ 6100'. Perf
Blinebry 5464 - 5728'.
Acidize and frac.3483'. Spot 6 sx cmt from
surface to 50'. P&A'd.5/25/83 - Drill out CIBP. Acidize
downhole commingle
Blinebry/Tubb/Drinkard.Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.PBD _____
TD 6700

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-D) WELL NO. 4 FIELD Arrowhead DATE 12/1/88
 LOCATION 660 FEET FROM N LINE AND 660 FEET FROM W LINE
 SECTION 7 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3460 '
 KDB to GE 6 '
 DF to GE '

9 5/8" OD 25.7 lbs.
 Surf. Pipe set @
291 w/ 225 sx
 cmt. Circ? Yes

Date Completed 1/5/44
 Initial Formation Grayburg
 FROM: 3675 TO: 3755
 Initial Production 143 BOPD 0 BWPD
1217 MCFPD 3195 GOR
 Completion Data:
Acidized w/2000 gals.

Subsequent Workover or Reconditioning:
5/4/45 - Ran & set formation packer
at 3710'.

10/25/51 - Reset packer @ 3694'.

12/19/58 - PB to 3741 w/12 gals
hydromite. Fraced w/
10,000 gals oil w/1# spq.

10/18/66 - Dumped 500 gals acid.
Closed-in.

5/15/67 - Installed rod pump.

7/18/80 - Dumped 1000 gals 15% acid.

2/12/88 - Clean out to 3755'. Perf
open hole 3681 - 3752'.
Acidize w/2700 gals 15%.

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

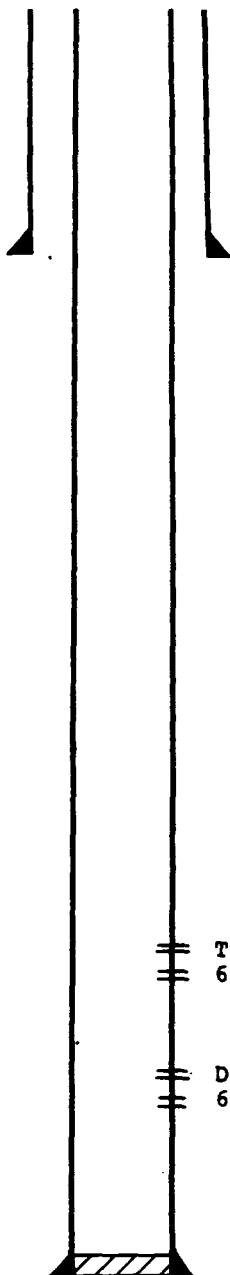
5 1/2 " OD
 Gr
14 " Csg set @
3675 ' w/ 275 sx
 Cmt. Circ? No
 TOC @ 2200 by TG
calc

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.
4 3/4" openhole.

PBD '
 TD 3755 '

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-D) WELL NO. 15 FIELD Drinkard DATE 12/1/88
 LOCATION 400 FEET FROM N LINE AND 860 FEET FROM W LINE
 SECTION 7 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3449 '
 KDB to GE 13.6 '
 DF to GE '

8 5/8" OD 24 lbs.
 Surf. Pipe set @
1110 w/ 500 sx
 cmt. Circ? Yes

Date Completed 9/16/75
 Initial Formation Drinkard
 FROM: 6516 TO: 6658
 Initial Production 100 BOPD 28 BWPD
 nm MCFPD nm GOR

Completion Data:
Perf Drinkard 6516 - 6658'. Acidize
and frac.

Subsequent Workover or Reconditioning:
8/16/76 - Acidize.

9/25/78 - Acidize.

11/9/82 - TA'd Drinkard. Perf Tubb
6210 - 6340'. Acidized &
fraced.

7/25/85 - Downhole commingle Tubb &
Drinkard. Acidized.

== Tubb Perfs
 == 6210'-6340'

== Drinkard Perfs
 == 6516'-6658'

5 1/2" OD
 Gr K-55
15.5# Csg set @
6710 ' w/ 750 sx
 Cmt. Circ? No
 TOC @ 1780 by TS

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.

PBD 6693 '
 TD 6710 '

AGU 198 W

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-D) WELL NO. 2 FIELD Arrowhead DATE 12/1/88LOCATION 2310 FEET FROM N LINE AND 330 FEET FROM W LINESECTION 7 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NMDF: 3455 '

KDB to GE _____

DF to GE _____

Date Completed 12/22/39Initial Formation GrayburgFROM: 3670 TO: 3740Initial Production 420 BOPD 0 BWPD
675 MCFPD 1609 GOR

Completion Data:

Acidized w/2000 gals.9 5/8" OD 25.7 lbs.Surf. Pipe set @290 w/ 200 sxcmt. Circ? Yes

Subsequent Workover or Reconditioning:

10/16/42 - Set formation packer @
3689'.6/57 - Installed rod pump.5/9/67 - Shut-in.6/15/71 - Cleaned out to 3740'. Re-
turned to production.Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____5 1/2" ODGr H14 # Csg set @3670' w/ 350 sxCmt. Circ? NoTOC @ 2390 by TS

Remarks or Additional Data:

5 1/2" casing in 7 7/8" hole.4 3/4" openhole.

PBD _____

TD 3740 _____

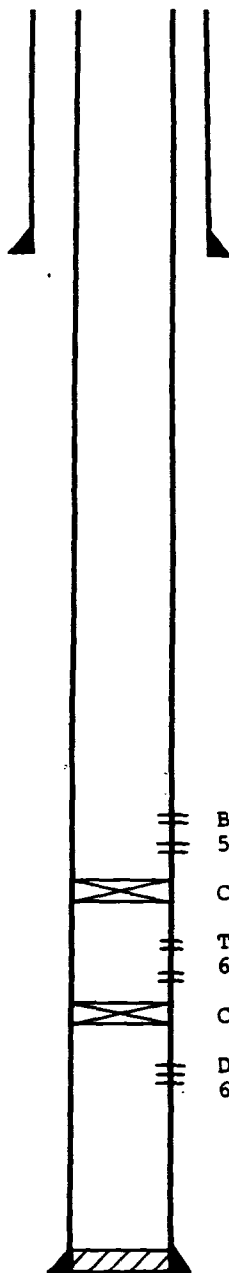
A vertical diagram of a traditional Chinese ladder, often used in the context of the 'Ladder of Heaven' (Tian Tang) legend. It consists of a long vertical pole with a crossbar near the top and a crossbar near the bottom. The pole is supported by a base at the bottom and a crossbar at the top. The diagram is drawn in a simple, schematic style.

PBD 6090
TD 6760

WELL DATA SHEET

199

LEASE Chevron H.T. Mattern (NCT-D) WELL NO. 17 FIELD Blinebry DATE 12/1/88
 LOCATION 1650 FEET FROM N LINE AND 1720 FEET FROM W LINE
 SECTION 7 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3450 '
 KDB to GE 13.6 '
 DF to GE '

8 5/8" OD 24 lbs.
 Surf. Pipe set @
1090 w/ 300 sx
 cmt. Circ? Yes

Date Completed 10/6/75
 Initial Formation Drinkard
 FROM: 6488 TO: 6654
 Initial Production 86 BOPD 120 BWPD
 nm MCFPD nm GOR

Completion Data:
Perf Drinkard 6488 - 6654'. Acidize
and frac.

Subsequent Workover or Reconditioning:
11/26/79 - Set CIBP @ 6390'. Perf
Tubb 6194 - 6296'. Acid-
ized and fraced.

4/25/80 - Downhole commingle Tubb
and Drinkard.

12/9/82 - Set CIBP @ 6420 & 6090'.
Perf Blinebry 5472 - 5840'
Acidized and fraced.

Blinebry Perfs
 5472'-5840'

CIBP @ 6090'

Tubb Perfs
 6194'-6296'

CIBP @ 6420'

Drinkard Perfs
 6488'-6654'

5 1/2" OD
 Gr K-55
15.5# Csg set @
6734 ' w/ 700 sx
 Cmt. Circ? No
 TOC @ 2230 by TS

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

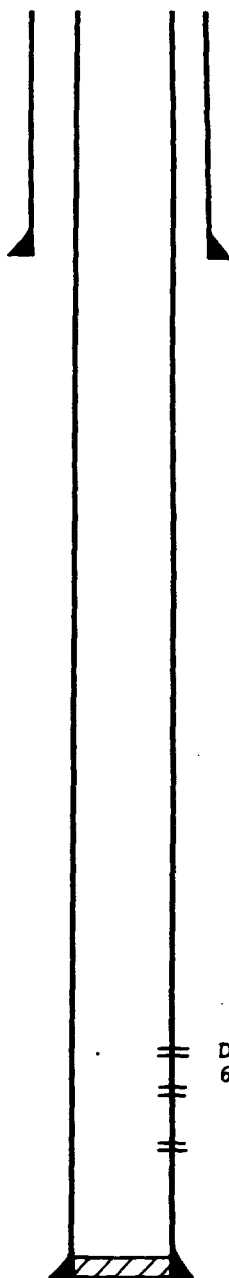
Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.

PBD 6698 '

TD 6735 '

WELL DATA SHEET

LEASE Martindale Mattern WELL NO. 2 FIELD Drinkard DATE 11/30/80
 LOCATION 1650 FEET FROM S LINE AND 2310 FEET FROM E LINE
 SECTION 7 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3415 '
 KDB to GE 11.5 '
 DF to GE '

8 5/8" OD lbs.
 Surf. Pipe set @
1030 w/ 525 sx
 cmt. Circ? Yes

Drinkard Perfs
 6476'-6604'

5 1/2" OD
 Gr
17 # Csg set @
6767 ' w/ 2380 sx
 Cmt. Circ? Yes
 TOC @ by TS

Date Completed 4/13/80
 Initial Formation Drinkard
 FROM: 6476 TO: 6604
 Initial Production 75 BOPD 0 BWPD
195 MCFPD 2600 GOR

Completion Data:
 Perf Drinkard 6476 - 6604'. Acidize
 & frac.

Subsequent Workover or Reconditioning:

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

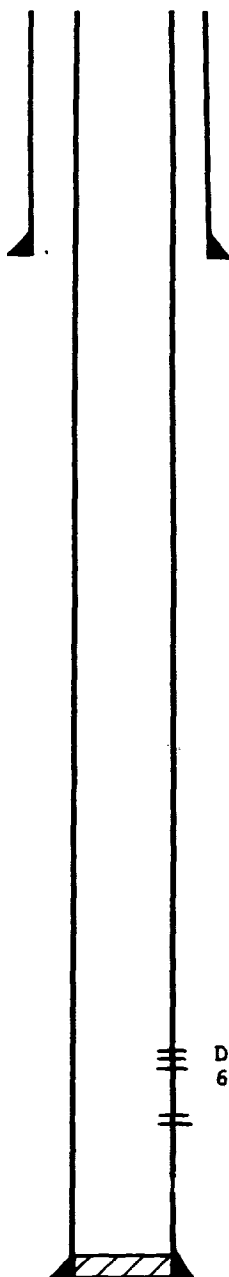
Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.

PBD 6709 '

TD 6767 '

WELL DATA SHEET

LEASE Martindale Mattern WELL NO. 1 FIELD Drinkard DATE 11/30/8
 LOCATION 1650 FEET FROM S LINE AND 1850 FEET FROM W LINE
 SECTION 7 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3443 '
 KDB to GE 11.5 '
 DF to GE '

8 5/8" OD 24 lbs.
 Surf. Pipe set @
1149 w/ 575 sx
 cmt. Circ? Yes

Drinkard Perfs
6498'-6639'

5 1/2" OD
 Gr K-55
17 # Csg set @
6864 ' w/ 2075 sx
 Cmt. Circ? Yes
 TOC @ by TS

Date Completed 8/21/78
 Initial Formation Drinkard
 FROM: 6498 TO: 6639
 Initial Production 98 BOPD 122 BWPD
200 MCFPD 2041 GOR

Completion Data:
Perf Drinkard 6498 - 6639'. Acidize
& frac.

Subsequent Workover or Reconditioning:

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

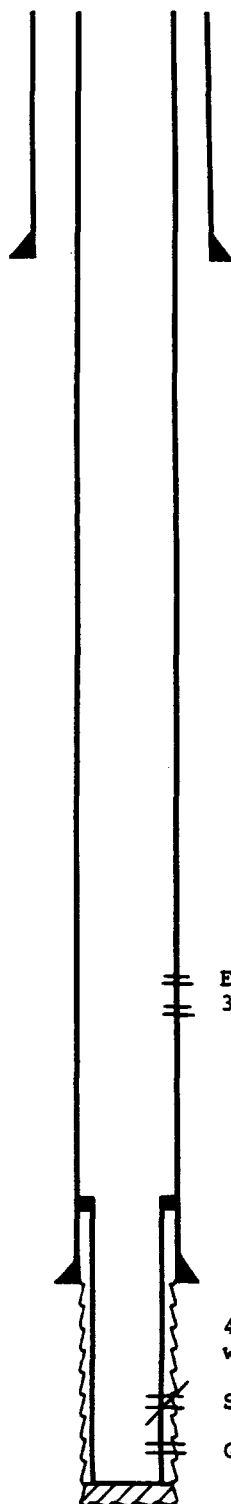
Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.

PBD 6768 '

TD 6864 '

WELL DATA SHEET

LEASE Meridian Mattern WELL NO. 1 FIELD Eumont DATE 11/30/88
 LOCATION 1650 FEET FROM S LINE AND 330 FEET FROM W LINE
 SECTION 7 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3452 '
 KDB to GE '
 DF to GE '

8 5/8" OD lbs.
 Surf. Pipe set @
330 w/ 125 sx
 cmt. Circ? yes

Eumont Perfs
3429'-3492'

5 1/2" OD
 Gr
17 # Csg set @
3631 ' w/ 400 sx
 Cmt. Circ?
 TOC @ Surf by 25 calc
4" liner 3604'-3733'
 w/ 35 sxs.

Squeezed perfs 3694'-97'

Grayburg Perfs 3715'-25'

Date Completed 10/15/39
 Initial Formation Grayburg
 FROM: 3631 TO: 3750
 Initial Production 312 BOPD BWPD
nm MCFPD nm GOR

Completion Data:
OH Completion.

Subsequent Workover or Reconditioning:
6/15/45 - Ran 4" liner 3604 - 3733'
w/35 sxs cmt. Perf 3694 -
97. Acidized w/500 gals,
squeezed w/35 sxs. Perf
3715 - 25'. Acidized w/
1000 gallons.

2/29/52 - Acidize w/500 gals.

8/7/57 - Perf Queen 3429 - 3492'.
Frac w/8000 gals & 8000 #'s
Dual complete w/pkr.

1/31/64 - TA'd Arrowhead

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
5 1/2" casing in 6 3/4" hole.
8 1/8" in ID hole
Arrowhead produced up tbq.

Eumont still produces up annulus.

PBD 3730 '

TD 3750 '

WELL DATA SHEET

LEASE Meridian Mattern WELL NO. 2 FIELD Arrowhead TA'd DATE 11/30/84
 LOCATION 1650 FEET FROM S LINE AND 1650 FEET FROM W LINE
 SECTION 7 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM

GE: 3445 '
 KDB to GE _____ '
 DF to GE _____ '

Date Completed 11/15/39
 Initial Formation Grayburg
 FROM: 3668 TO: 3740
 Initial Production 480 BOPD 0 BOPD
nm MCFPD nm GOR

Completion Data:
OH Completion.

8 5/8" OD 28 lbs.
Surf. Pipe set @
326 w/ 128 sx
cmt. Circ? yes

Subsequent Workover or Reconditioning:
10/16/51 - Acidized w/500 gals.

9/68 - TA'd.

4/83 Surface casing circ.

Present Prod. _____ BOPD _____ BOPD
 _____ MCFPD _____ GOR
 _____ Date

5 1/2" OD
Gr
14 1/2" Csg set @
3668 ' w/ 400 sx
Cmt. Circ? _____
TOC @ Surf by TS
Calc

Remarks or Additional Data:
5 1/2" casing in 6 3/4" hole.
8 5/8" in 11" hole

PBD _____ '
 TD 3740 '

WELL DATA SHEET

LEASE Martindale Little "V" WELL NO. 2 FIELD Drinkard DATE 11/30/88
 LOCATION 330 FEET FROM S LINE AND 480 FEET FROM W LINE
 SECTION 7 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM

GE: 3436 '
 KDB to GE 11 '
 DF to GE '

Date Completed 1/26/79
 Initial Formation Drinkard
 FROM: 6462 TO: 6655
 Initial Production 46 BOPD 0 BWPD
93 MCFPD 2021 GOR

Completion Data:
Perf Drinkard 6462 - 6655'. Acidize
& frac.

8 5/8" OD lbs.
 Surf. Pipe set @
1108 w/ 575 sx
 cmt. Circ? Yes

Subsequent Workover or Reconditioning:

Drinkard Perfs
6462'-6655'

5 1/2" OD
 Gr K-55
17 # Csg set @
6762 ' w/ 660 sx
 Cmt. Circ? Yes
 TOC @ by TS

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.

PBD 6706 '

TD 6762 '

LEASE Chevron Mattern WELL NO. 6 FIELD Arrowhead TA'd DATE 11/30/8
 LOCATION 330 FEET FROM S LINE AND 330 FEET FROM W LINE
 SECTION 7 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM

DF: 3445 '
 KDB to GE _____ '
 DF to GE _____ '

Date Completed 2/1/40
 Initial Formation Grayburg
 FROM: 3647 TO: 3740
 Initial Production 1968 BOPD 0 BWPD
 MCFPD _____ GOR _____

Completion Data:
 OH Completion. _____

8 5/8" OD 28 lbs.
 Surf. Pipe set @
300 w/ 125 sx
 cmt. Circ? N/A
 Toc e surf by Calc

Subsequent Workover or Reconditioning:
5/1/68 - Put on pump.
9/30/71 - TA'd.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

Remarks or Additional Data:
Only 30 sxs cmt behind 5 1/2". TOC
estimated at 3257'.

Junk in hole. Openhole pkr at 3700',
31' 2" tbq below pkr, 85' 3" line
pipe above pkr. Hook wall slips at
3609', 28' tbq above slips.

Casing leak at unknown depth.

5 1/2" casing in 6 3/4" hole
8 5/8" casing in 11" hole

PBD _____

TD 3740

WELL DATA SHEET

LEASE Martindale Little "V" WELL NO. 1 FIELD Drinkard DATE 11/30/86
 LOCATION 330 FEET FROM S LINE AND 1700 FEET FROM W LINE
 SECTION 7 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM

GE: 3436 '
 KDB to GE 11.5 '
 DF to GE '

8 5/8" OD 24 lbs.
 Surf. Pipe set @
1145 w/ 575 sx
 cmt. Circ? Yes

Date Completed 5/9/78
 Initial Formation Drinkard
 FROM: 6471 TO: 6607
 Initial Production 96 BOPD 0 BWPD
150 MCFPD 1563 GOR

Completion Data:
Perf Drinkard 6471 - 6607'. Acidize
& frac.

Subsequent Workover or Reconditioning:

Drinkard Perfs
 6471'-6607'

5 1/2" OD
 Gr K-55
17 # Csg set @
6752 ' w/ 1750 sx
 Cmt. Circ? Yes
 TOC @ by TS

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.

PBD 6699 '

TD 6752 '

WELL DATA SHEET

LEASE Martindale Little "V" WELL NO. 3 FIELD Drinkard DATE 11/30/81
 LOCATION 380 FEET FROM S LINE AND 2310 FEET FROM E LINE
 SECTION 7 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM

GE: 3425 '
 KDB to GE 11 '
 DF to GE '

Date Completed 7/2/79
 Initial Formation Drinkard
 FROM: 6473 TO: 6653
 Initial Production 101 BOPD 4 BWPD
201 MCFPD 1986 GOR

Completion Data:
Perf Drinkard 6473 - 6653'. Acidize
& frac.

8 5/8" OD 23 lbs.
 Surf. Pipe set @
1060 w/ 540 sx
 cmt. Circ? Yes

Subsequent Workover or Reconditioning:

Drinkard Perfs
6473'-6653'

5 1/2" OD
 Gr K-55
17 # Csg set @
6756 ' w/ 1725 sx
 Cmt. Circ? Yes
 TOC @ by TS

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.

PBD 6724 '

TD 6744 '

WELL DATA SHEET

LEASE Chevron Mattern WELL NO. 5 FIELD Arrowhead DATE 11/30/8
 LOCATION 660 FEET FROM S LINE AND 1980 FEET FROM E LINE
 SECTION 7 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM

GE: 3426
 KDB to GE _____
 DF to GE _____

Date Completed 8/25/36
 Initial Formation Grayburg
 FROM: 3414 TO: 3746
 Initial Production 13 BOPD 237 BWPD
 _____ MCFPD _____ GOR

Completion Data:
 Acidized w/1000 gals.

8 1/4" OD N/A lbs.
 Surf. Pipe set @
1045 w/ 300 sx
 cmt. Circ? N/A
 TOC @ 176 by Calc

Subsequent Workover or Reconditioning:

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

6 5/8" OD
 Gr _____
 NA # Csg set @
3414 ' w/ 300 sx
 Cmt. Circ? _____
 TOC @ 610 by Calc

5 1/2" liner from 3374'-
3454'

Remarks or Additional Data:
6 5/8" casing in 7 7/8" hole.
8 1/4" casing in 11 1/2" hole

PBD _____
 TD 3746

WELL DATA SHEET

LEASE Martindale Little "V" WELL NO. 4 FIELD Drinkard DATE 11/30/88
 LOCATION 380 FEET FROM S LINE AND 330 FEET FROM E LINE
 SECTION 7 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM

GE: 3414 '
 KDB to GE 12 '
 DF to GE '

Date Completed 11/10/79
 Initial Formation Drinkard
 FROM: 6378 TO: 6612
 Initial Production 74 BOPD 50 BWPD
225 MCFPD 3041 GOR

Completion Data:
Perf Drinkard 6378 - 6612'. Acidize
& frac.

8 5/8" OD lbs.
 Surf. Pipe set @
1050 w/ 575 sx
 cmt. Circ? Yes

Subsequent Workover or Reconditioning:

Drinkard Perfs
 6378'-6612'

5 1/2" OD
 Gr K-55
17 # Csg set @
6743 ' w/ 1700 sx
 Cmt. Circ? Yes
 TOC @ by TS

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

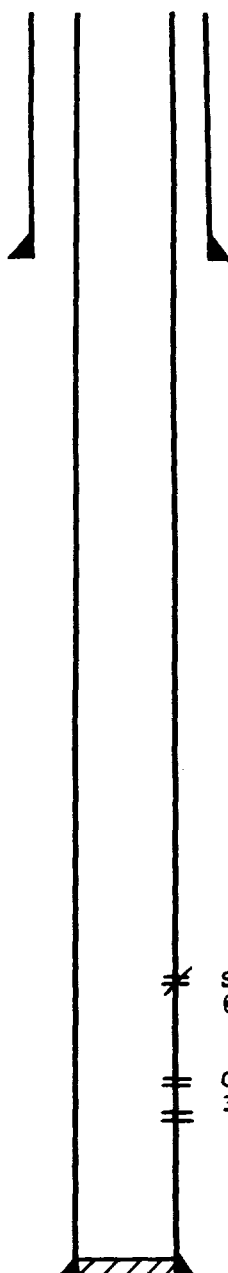
Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.

PBD 6633 '

TD 6756 '

WELL DATA SHEET

LEASE Chevron A.L. Christmas (NCT-C) WELL NO. 8 FIELD Arrowhead DATE 12/2/88
 LOCATION 660 FEET FROM N LINE AND 660 FEET FROM E LINE
 SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3411 '
 KDB to GE 8 '
 DF to GE _____

8 5/8" OD 24 lbs.
 Surf. Pipe set @
414 w/ 325 sx
 cmt. Circ? Yes

Squeezed Perf
 @ 3604' w/ 125 sxs.

Grayburg Perfs
 3625'-3696'

5 1/2" OD
 Gr J-55
14 # Csg set @
3700 ' w/ 1600 sx
 Cmt. Circ? No
 TOC @ 945 by TS

Date Completed 6/6/57
 Initial Formation Grayburg
 FROM: 3625 TO: 3696
 Initial Production 40 BOPD 132 BWPD
135 MCFPD 3375 GOR

Completion Data:
 Perf 5 1/2" casing 3625 - 35', 3670-78', 3686 - 96'. Acidized w/4500
 gals 15%. Fraced w/15,000 gals cil
 w/1# spg. Set BP @ 3640'. Perf 5 1/2
 inch casing at 3604. Set cmt rtn @
3580 and squeeze w/125 sxs. Drilled
 out to 3697'. Installed rod pump.

Subsequent Workover or Reconditioning:
10/16/63 - Dump acid w/500 gals 15%.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD 3697 '
 TD 3700 '

WELL DATA SHEET

LEASE Martindale Deck WELL NO. 1 FIELD Drinkard DATE 11/30/88
 LOCATION 890 FEET FROM N LINE AND 2310 FEET FROM E LINE
 SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM

GE: 3415 '
 KDB to GE 12 '
 DF to GE 9 '

Date Completed 1/24/78
 Initial Formation Drinkard
 FROM: 6439 TO: 6600
 Initial Production 96 BOPD 208 BWPD
20 MCFPD 208 GOR

Completion Data:
Perf Drinkard 6439 - 6600. Acidized
& fraced.

8 5/8" OD 24 lbs.
 Surf. Pipe set @
1068 w/ 425 sx
 cmt. Circ? Yes

Subsequent Workover or Reconditioning:
10/25/83 - Fraced Drinkard.

5/89 - Perf Blinebry 5460-5988.

DV Tool @ 2558'

Blinebry Perfs
 5460' - 5988'

Drinkard Perfs
 6439'-6600'

5 1/2" OD
 Gr K-55
17 & 20# Csg set @
6726 w/ 1650 sx
 Cmt. Circ? Yes
 TOC @ by TS

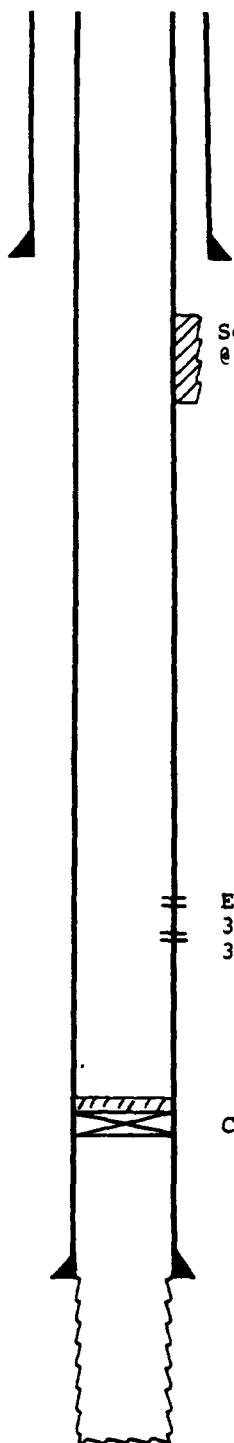
Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD 6726 '
 TD 6765 '

WELL DATA SHEET

LEASE Meridian Crosby WELL NO. 1 FIELD Eumont (Gas) DATE 11/30/88
 LOCATION 660 FEET FROM N LINE AND 1650 FEET FROM W LINE
 SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3425 '
 KDB to GE 11 '
 DF to GE '

8 5/8 " OD lbs.
 Surf. Pipe set @
312 w/ 150 sx
 cmt. Circ? N/A
 TOC @ surf by calc

Squeezed casing leak
 @ 400'

Eumont Perfs
 3350'-3445'
 3448'-3520'

CIBP @ 3560'

5 1/2 " OD
 Gr
 # Csg set @
3638 ' w/ 350 sx
 Cmt. Circ? N/A
 TOC @ surf by TS
Calc

Date Completed 12/21/39
 Initial Formation Grayburg
 FROM: 3638 TO: 3735
 Initial Production 1680 BOPD BWPD
 MCFPD GOR

Completion Data:

Subsequent Workover or Reconditioning:

1/17/50 - PB to 3721 w/hydromite.

2/21/57 - Perf Queen 3350 - 3445'.
 Dual completion. Pkr @
 3603'.

12/21/59 - Cleaned out to 3710. Put
 Arrowhead on pump below
 pkr.

1/6/64 - Squeezed casing leak @ 400'
 w/200 sxs. Perf 3448-3520.
 Fraced w/10,000 gals oil &
 1000 pounds sand. Fraced
 3350 - 3445 w/15,000 #'s in
 15,000 gals. Left plug in
 packer at 3603'.

2/24/66 - Set CIBP @ 3560 w/2 sxs.
 TA Arrowhead.

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:

9 7/8" assumed in 11" hole
5 1/2" assumed in 6 7/8" hole

PBD 3560 '

TD 3735 '

WELL DATA SHEET

LEASE Martindale Deck WELL NO. 2 FIELD Drinkard DATE 11/30/88
 LOCATION 860 FEET FROM N LINE AND 1980 FEET FROM W LINE
 SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM

GE: 3424 '
 KDB to GE 11 '
 DF to GE '

8 5/8" OD 24 lbs.
 Surf. Pipe set @
1092 w/ 570 sx
 cmt. Circ? Yes

Date Completed 2/1/78
 Initial Formation Drinkard
 FROM: 6466 TO: 6576
 Initial Production 98 BOPD 6 BWPD
21 MCFPD 214 GOR

Completion Data:
Perf Drinkard 6466 - 6576'. Acidize.

Subsequent Workover or Reconditioning:
10/27/83 - Fraced Drinkard.

DV Tool @ 2562'

Drinkard Perfs
 6466'-6576'

5 1/2" OD
 Gr K-55
17 & 20 1/2 Csg set @
6761 w/ 1500 sx
 Cmt. Circ? Yes
 TOC @ by TS

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

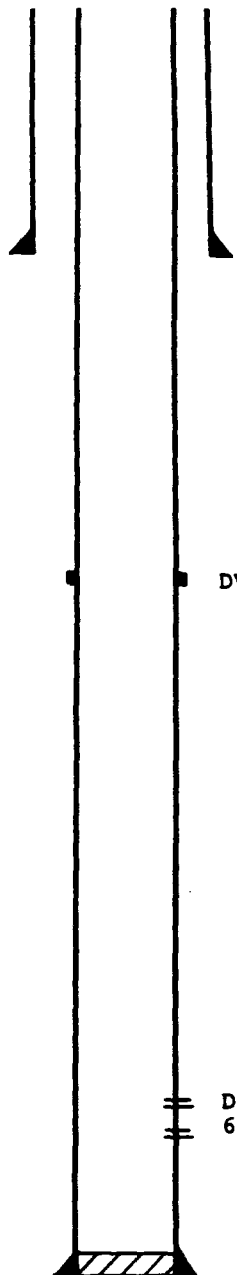
Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD 6717 '

TD 6761 '

WELL DATA SHEET

LEASE Chevron A.L. Christmas (NCT-C) WELL NO. 14 FIELD Drinkard DATE 12/2/88
 LOCATION 560 FEET FROM N LINE AND 810 FEET FROM W LINE
 SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3433 '
 KDB to GE 16.5 '
 DF to GE '

8 5/8" OD 24 lbs.
 Surf. Pipe set @
1177 w/ 500 sx
 cmt. Circ? Yes

DV tool @ 3319'

== Drinkard Perfs
 == 6485'-6599'

5 1/2" OD
 Gr K-55
15.5 & 17# Csg set @
6700 ' w/ 2100 sx
 Cmt. Circ? Yes
 TOC @ by TS

Date Completed 10/9/77
 Initial Formation Drinkard
 FROM: 6485 TO: 6599
 Initial Production 76 BOPD 55 BWPD
 nm MCFPD nm GOR
 Completion Data:
Perf Drinkard 6485 - 6599. Acidized.

Subsequent Workover or Reconditioning:
11/14/78 - Fraced Drinkard.

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD 6680 '
 TD 6700 '

WELL DATA SHEET

Doyle Hartman
 LEASE A. L. Christmas WELL NO. 1 FIELD Eumont DATE 1/8/91
 LOCATION 990 FEET FROM N LINE AND 460 FEET FROM W LINE
 SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM

GE:3434.5
 KDB to GE 3450.5
 DF to GE _____

9 5/8 OD 36 lbs.
 Surf. Pipe set @
432 w/ 350 sx
 cmt. Circ? Yes

Eumont Perfs
 3450' - 3576'

7 " OD
 Gr _____
 20.26# Csg set @
3788 ' w/ 1197 sx
 Cmt. Circ? Yes
 TOC @ _____ by TS

Date Completed 11/3/89
 Initial Formation Eumont
 FROM: 3450 TO: 3576
 Initial Production 0.5 BOPD 36 BWPD
219 MCFPD _____ GOR

Completion Data:

Perf 3450 to 3576.

Acidized with 7000 gals 15% MCA

Subsequent Workover or Reconditioning:

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

Remarks or Additional Data:

7" in 8 3/4" hole

PBD 3779 '
 TD 3800 '

WELL DATA SHEET

LEASE Chevron A.L. Christmas (NCT-C) WELL NO. 12 FIELD Drinkard DATE 12/2/88LOCATION 1855 FEET FROM N LINE AND 710 FEET FROM W LINESECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM

GE: 3433 '
 KDB to GE 10 '
 DF to GE _____

Date Completed 9/1/77
 Initial Formation Drinkard
 FROM: 6429 TO: 6598
 Initial Production 72 BOPD 83 BWPD
1213 MCFPD 16,859 GOR

Completion Data:
Perf Drinkard 6429 - 6598. Acidized.

8 5/8" OD 24 lbs.
 Surf. Pipe set @
1149 w/ 500 sx
 cmt. Circ? Yes

Subsequent Workover or Reconditioning:
10/26/79 - Fraced Drinkard.

Drinkard Perfs
6429'-6598'

5 1/2" OD
 Gr K-55
15.5# Csg set @
6700 ' w/ 2100 sx
 Cmt. Circ? Yes
 TOC @ _____ by TS

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD 6671 '
 TD 6700 '

WELL DATA SHEET

LEASE Chevron A.L. Christmas (NCT-C) WELL NO. 10 FIELD Drinkard DATE 12/2/88LOCATION 1950 FEET FROM N LINE AND 1845 FEET FROM W LINESECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM

GE: 3423 '
 KDB to GE 10 '
 DF to GE _____'

Date Completed 6/8/77
 Initial Formation Drinkard
 FROM: 6427 TO: 6602
 Initial Production 65 BOPD 19 BWPD
3138 MCFPD 48277 GOR

Completion Data:
Perf Drinkard 6427 - 6602. Acidized.

8 5/8" OD 24 lbs.
Surf. Pipe set @
1118 w/ 550 sx
cmt. Circ? Yes

DV tool @ 3819'

Drinkard Perfs
6427'-6602'

5 1/2" OD
Gr K-55
15.5# Csg set @
6710 ' w/ 2077 sx
Cmt. Circ? Yes
TOC @ _____ by TS

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD _____'

TD 6710 _____'

WELL DATA SHEET

229

LEASE Chevron A.L. Christmas (NCT-C) WELL NO. 9 FIELD Blinebry DATE 12/2/88LOCATION 1680 FEET FROM N LINE AND 2166 FEET FROM E LINESECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM

GE: 3417 '
 KDB to GE 10 '
 DF to GE _____

8 5/8" OD 24 lbs.
 Surf. Pipe set @
1125 w/ 550 sx
 cmt. Circ? Yes

DV tool @ 3459'

Blinebry Perfs
 5447'-5764'

CIBP @ 6402'

Drinkard Perfs
 6437'-6591'

5 1/2" OD
 Gr _____
 15.5# Csg set @
6750 ' w/ 1310 sx
 Cmt. Circ? Yes
 TOC @ _____ by TS

Date Completed 4/21/77
 Initial Formation Drinkard
 FROM: 6437 TO: 6591
 Initial Production 120 BOPD 18 BWPD
nm MCFPD nm GOR

Completion Data:
Perf Drinkard 6437 - 6591. Acidized
and fraced.

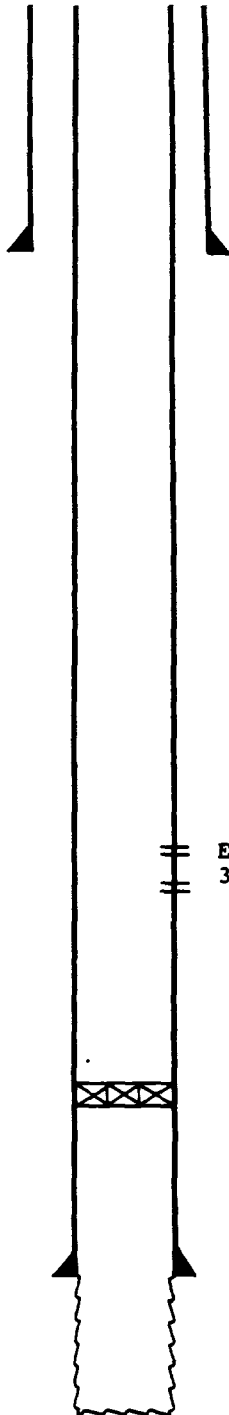
Subsequent Workover or Reconditioning:
10/25/84 - Set CIBP @ 6402' w/35'
cmt on top. Perf Blinebry
5447 - 5769'. Acidize &
frac.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD 6402 'TD 6750 '

LEASE Chevron A.L. Christmas (NCT-C) WELL NO. 7 FIELD Eumont DATE 12/2/89
 LOCATION 1980 FEET FROM N LINE AND 660 FEET FROM E LINE
 SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3413 '
 KDB to GE 12 '
 DF to GE 10 '

9 5/8\" OD 25.7 lbs.
 Surf. Pipe set @
277 w/ 180 sx
 cmt. Circ? yes

Eumont Perfs
 3436'-3516'

5 1/2 \" OD
 Gr H
14 # Csg set @
3624 ' w/ 150 sx
 Cmt. Circ? No
 TOC @ 2390 by TS

Date Completed 11/7/44
 Initial Formation Grayburg
 FROM: 3624 TO: 3700
 Initial Production 6 BOPD 6 BWPD
nm MCFPD nm GOR

Completion Data:
 Acidized w/5000 gals.

Subsequent Workover or Reconditioning:
8/26/56 - Fraced w/8000 gals oil w/
1# spg.

10/22/56 - Perfed Eumont 3436-3516'.
 Acidized w/500 gals.
 Fraced w/10,000 gals oil
 w/1# spg. Dual completed
 Arrowhead w/Eumont.

5/26/57 - Installed rod pump for
 Arrowhead.

9/1/66 - Rods parted - could not
 fish. Set plug @ 3593'.
 Open cv. TA'd Arrowhead
 and flowed Eumont through
 tubing.

12/8/67 - Perf tbq 3437, 3469 & 3497

9/30/70 - Installed plunger lift for
 Eumont. Acidized w/1000
 gals. Found tbq parted at
 3574'. Left pkr and plug
 assembly in hole. Put
 Eumont on pump.

1/77 - Acidized Eumont
 Present Prod. BOPD BWPD
MCFPD GOR
 Date

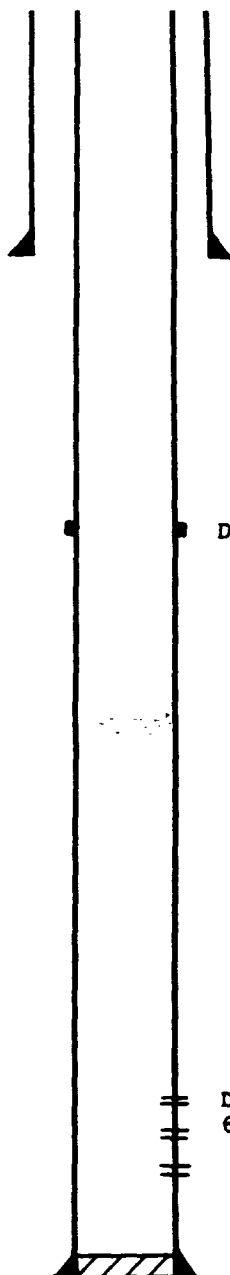
Remarks or Additional Data:
5 1/2\" casing in 6 3/4\" hole.
4 3/4\" open-hole

Fish in hole: Packer @ 3600'. Top of
 tbq at 3582. Tubing plug @ 3582'.
 Pump at 3669'. Bottom of tbq @ 3680'

PBD _____
 TD 3700

WELL DATA SHEET

LEASE Chevron A.L. Christmas (NCT-C) WELL NO. 11 FIELD Drinkard DATE 12/2/88
 LOCATION 1780 FEET FROM N LINE AND 810 FEET FROM E LINE
 SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3413 '
 KDB to GE 11 '
 DF to GE _____'

8 5/8" OD 24 lbs.
 Surf. Pipe set @
1092 w/ 500 sx
 cmt. Circ? Yes

DV tool @ 2991'

Drinkard Perfs
 6412'-6610'

5 1/2" OD
 Gr K-55
15.5# Csg set @
6700 ' w/ 1975 sx
 Cmt. Circ? Yes
 TOC @ _____ by TS

Date Completed 8/17/77
 Initial Formation Drinkard
 FROM: 6412 TO: 6610
 Initial Production 4 BOPD 17 BWPD
775 MCFPD 193,750 GOR
 Completion Data:
Perf Drinkard 6412 - 6610. Acidized.

Subsequent Workover or Reconditioning:
10/24/79 - Fraced Drinkard.

9/8/80 - Dump acid w/1000 gals.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

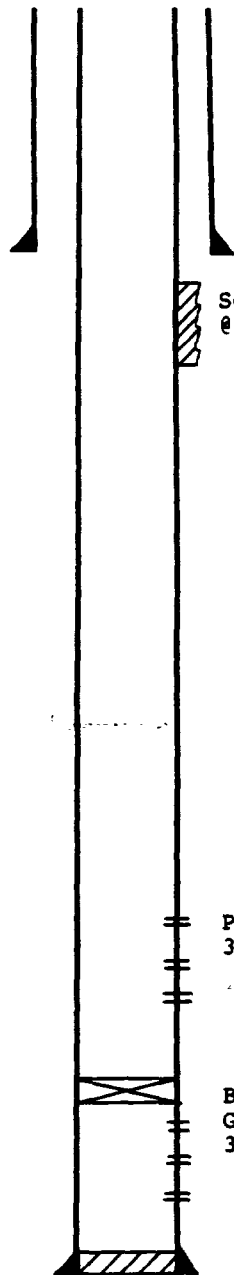
PBD 6684 '

TD 6700 '

WELL DATA SHEET

AGU 231

LEASE American State "M" WELL NO. 8 FIELD Langlie Mattix DATE 11/30/88
 LOCATION 1980 FEET FROM S LINE AND 660 FEET FROM E LINE
 SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3400 '
 KDB to GE 11 '
 DF to GE 9 '

3411

10 3/4" OD 40.5 lbs.
 Surf. Pipe set @
 492 w/ 200 sx
 cmt. Circ? N/A

TOC @ Surf by Calc
 Squeezed casing leak
 @ 740'

Penrose Perfs
 3430'-3604'

BP @ 3620'
 Grayburg Perfs
 3630'-3690'

5 1/2" OD
 Gr 14 # Csg set @
 3693' w/ 700 sx
 Cmt. Circ? N/A
 TOC @ Surf by PS
 Calc

Date Completed 6/18/44
 Initial Formation Grayburg
 FROM: 3630 TO: 3690
 Initial Production 1404 BOPD 0 BWPD
nm MCFPD nm GOR

Completion Data:
 Perf 3630 - 90'. Acidize w/2000 gals

Subsequent Workover or Reconditioning:
 8/25/55 - Fraced w/20,000 gals oil &
 20,000 #'s sand. Installed
 rod pump.

7/31/56 - Repaired casing leak @
 740' w/300 sxs cmt.

5/87 - Set BP @ 3620'. Perf 3430 -
 70, 3490 - 3505, 3525 - 3555,
 3570 - 80, 3596 - 3604'.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

Remarks or Additional Data:
 5 1/2" casing in 7 3/4" hole
 10 3/4" & 13" hole

PBD 3620 '

TD 3693 '

WELL DATA SHEET

LEASE American State "M" WELL NO. 1 FIELD Eumont Gas DATE 11/30/88
 LOCATION 1830 FEET FROM S LINE AND 1980 FEET FROM E LINE
 SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM

GE: 3409 '
 KDB to GE 13 '
 DF to GE 12 '

9 5/8" OD 36 lbs.
 Surf. Pipe set @
450 w/ 125 sx
 cmt. Circ? Yes

Date Completed 5/1/40
 Initial Formation Grayburg
 FROM: 3609 TO: 3715
 Initial Production 1308 BOPD BWPD
1073 MCFPD 820 GOR

Completion Data:
 OH Completion

Subsequent Workover or Reconditioning:

11/44 - Treated OH 3670 - 3715' w/
2000 gals acid.

4/15/52 - Treated OH 3609 - 3715 w/
2000 gals acid.

8/56 - Set cmt rtn at 3595 and
 squeezed OH 3609 - 3715 w/50
 sxs. Perf Eumont 3530 - 3550.
 Acidized w/100 gals. Fraced
 w/10,000 gals oil & 15,000
 #'s sand.

5/57 - Set RBP @ 3500'. Perf 3418 -
3472. Acidized w/1000 gals.
 Fraced w/20,000 gals oil &
 30,000 #'s sand. Pulled RBP.

10/75 - Set RBP @ 3275'. Perf'd
2670 - 3190'. Acidized w/
2300 gals 15%. Fraced w/
42,000 gals foam and 65,000
 #'s sand.

8/89 - Squeezed Eumont Perfs.
 Clean-out to 3710'.
 Acidized w/1400 gals

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

Remarks or Additional Data:
7" casing in 8 3/4" hole

Squeezed
 Eumont Perfs
2670'-3190'

Squeezed
 Eumont Perfs
3418'-3550'

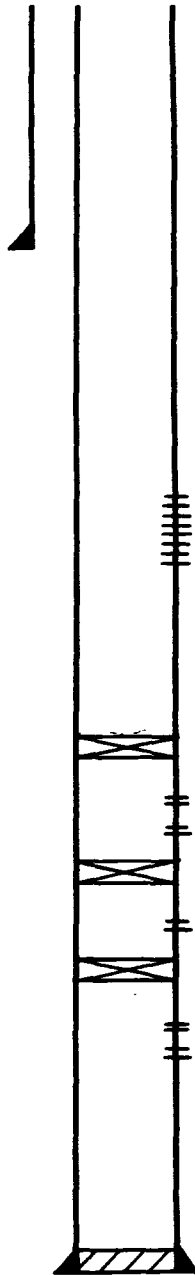
7 " OD
 Gr _____
24 # Csg set @
3609 ' w/ 500 sx
 Cmt. Circ? No
 TOC @ 390' by TS

PBD 3710 '

TD 3715 '

WELL DATA SHEET

LEASE Zia State "M" WELL NO. 49 FIELD Eunice
 LOCATION 2160 FEET FROM S LINE AND 2310 FEET FROM E LINE
 SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3415 '
 KDB to GE 12 '
 DF to GE _____'

8 5/8" OD 24 lbs.
 Surf. Pipe set @
1073 w/ 620 sx
 cmt. Circ? Yes

Date Completed 12/20/78
 Initial Formation Drinkard
 FROM: 6432 TO: 6558
 Initial Production 5 BOPD 3 BWPD
8 MCFPD 1600 GOR

Completion Data:
 Perf 6432 - 6558'. Acidized w/ 15,000
gals.

Subsequent Workover or Reconditioning:
2/10/88 - Set CIBP @ 6359' w/ 35' cmt
 on top. Set CIBP @ 6120
 w/ 35' cmt on top. Perf
3828 - 3842'. Acidized w/
500 gals. Test. Perf 3909.
 Swabbed all water. Squeeze
 perfs 3828 - 3909 w/ 300
sxs.

2/23/88 - Perf Blinebry 5467 - 5986'
 acidized.

8/11/88 - Set CIBP @ 5400' w/ 20'
 cmt on top. Perf 3806' -
3909'. Acidized w/ 500
gals.

Present Prod. _____ BOPD _____ BWPD _____
 _____ MCFPD _____ GOR _____
 Date _____

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

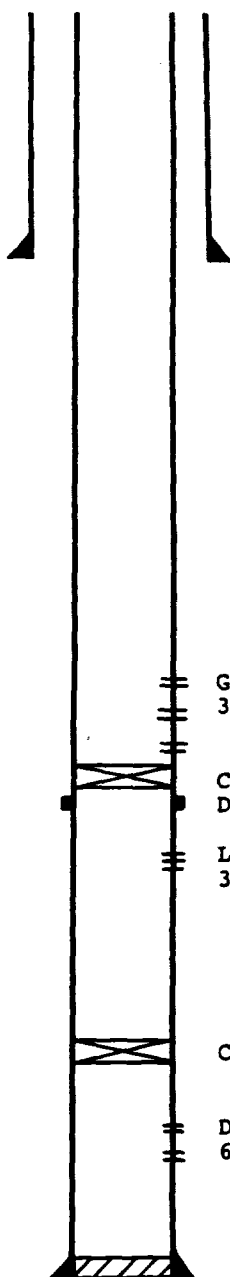
5 1/2" OD
 Gr _____
14 & 15.5# Csg set @
6719 w/ 1260 sx
 Cmt. Circ? No
 TOC @ 1200 by Calc

PBD 5400 '

TD 6730 '

WELL DATA SHEET

LEASE Amerada State "PA" WELL NO. 4 FIELD Arrowhead DATE 11/30/88
 LOCATION 2310 FEET FROM S LINE AND 1880 FEET FROM W LINE
 SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3423 '
 KDB to GE 13 '
 DF to GE _____ '
 8 5/8" OD _____ lbs.
 Surf. Pipe set @
1174 w/ 525 sx
 cmt. Circ? Yes

Date Completed 6/6/78
 Initial Formation Drinkard
 FROM: 6520 TO: 6613
 Initial Production 78 BOPD 78 BWPD
27 MCFPD 346 GOR

Completion Data:
 Perf Drinkard 6520 - 6613'. Acidized
 and fraced.

Subsequent Workover or Reconditioning:
 4/9/85 - Set CIBP @ 6450'. Perf
 3844 - 3860'. Acidize w/
 7000 gals.

7/15/85 - Set CIBP @ 3770'. Perf
 Grayburg 3602 - 3684'.
 Acidize w/2000 gals.

7/1/87 - Acidize w/1500 gals.

Grayburg Perfs
 3602'-3684'

CIBP @ 3770'
 DV Tool @ 3785'

Lower Grayburg Perfs
 3844'-3860'

CIBP @ 6450'

Drinkard Perfs
 6520'-6613'

5 1/2" OD
 Gr K-55
 14 & 17# Csg set @
6762 w/ 2785 sx
 Cmt. Circ? No
 TOC @ Surf by JS
Calc

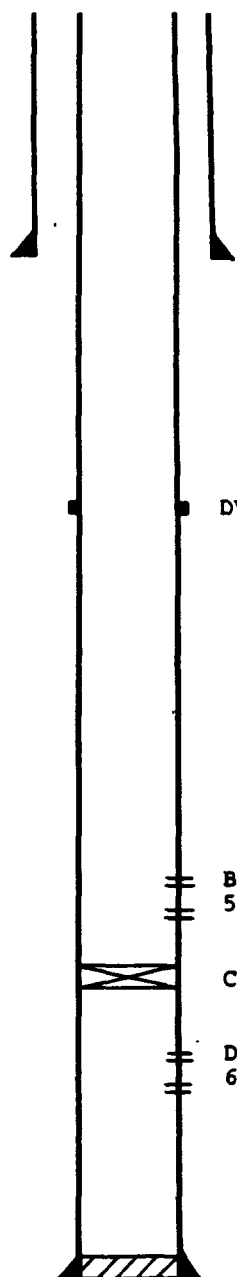
Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

Remarks or Additional Data:
 5 1/2" casing in 7 7/8" hole

PBD 3770 '

TD 6763 '

WELL DATA SHEET

LEASE Chevron A.L. Christmas (NCT-C) WELL NO. 15 FIELD Blinebry DATE 12/2/88LOCATION 1980 FEET FROM S LINE AND 710 FEET FROM W LINESECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM

GE: 3435 '
 KDB to GE 16.5 '
 DF to GE _____'

8 5/8" OD 24 lbs.
 Surf. Pipe set @
1189 w/ 500 sx
 Cmt. Circ? Yes

DV Tool @ 3788'

Blinebry Perfs
 5494'-5699'

CIBP @ 6402'

Drinkard Perfs
 6529'-6629'

5 1/2" OD
 Gr K-55
15.5 # Csg set @
6700 ' w/ 1750 sx
 Cmt. Circ? Yes
 TOC @ _____ by TS

Date Completed 12/26/77
 Initial Formation Drinkard
 FROM: 6529 TO: 6629
 Initial Production 90 BOPD 165 BWPD
 nm MCFPD nm GOR

Completion Data:
Perf Drinkard 6529 - 6629. Acidized
and fraced.

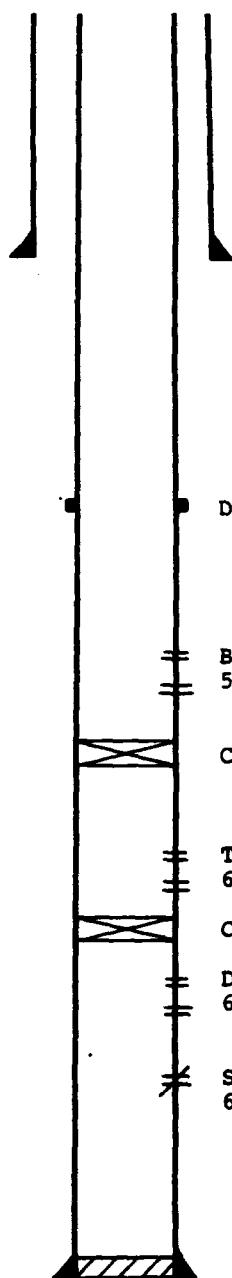
Subsequent Workover or Reconditioning:
12/31/82 - Set CIBP @ 6402. Perf
Blinebry 5494 - 5699.
Acidized and fraced.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD 6679 'TD 6700 '

WELL DATA SHEET

LEASE Chevron A. L. Christmas NCT-C WELL NO. 16 FIELD Blinebry DATE 12/12/88LOCATION 810 FEET FROM S LINE AND 710 FEET FROM W LINESECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM

GE: 3451 '
 KDB to GE 16.5 '
 DF to GE _____'

8 5/8" OD _____ lbs.
 Surf. Pipe set @
1129 w/ 500 sx
 cmt. Circ? yes

DV tool @ 3544'

Blinebry Perfs
 5544'-5717'

CIBP @ 6200'

Tubb Perfs
 6286'-6360'

CIBP @ 6525'

Drinkard Perfs
 6574'-6580'

Squeezed Drinkard Perfs
 6561'-6614'

5 1/2" OD
 Gr K-55
15.5 Csg set @
6669 ' w/ 2035 sx
 Cmt. Circ? yes
 TOC @ _____ by TS

Date Completed 11-11-77
 Initial Formation Drinkard
 FROM: 6561 TO: 6614
 Initial Production 0 BOPD 290 BWPD
 _____ MCFPD _____ GOR

Completion Data:
Perf Drinkard 6561'-6614'. Acidize.

Subsequent Workover or Reconditioning:
11/14/77 Squeezed Drinkard perfs
6561'-6614'. Perf Drinkard
6574'-6580'. Acidized.

3/28/78 Set CIBP @ 6525'. Perf Tubb
6286'-6360'. Acidized.
Frac'd.

10/6/86 Set CIBP @ 6200' w/ 35' cmt
on top. Perf Blinebry 5544'
-5717'. Acidized and frac'd

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.

PBD 6200 'TD 6700 '

WELL DATA SHEET

241

LEASE Amerada State "PA" WELL NO. 5 FIELD Eumont DATE 11/30/88
 LOCATION 780 FEET FROM S LINE AND 1980 FEET FROM W LINE
 SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM

GE: 3425 '
 KDB to GE '
 DF to GE 10 '

Date Completed 4/6/80
 Initial Formation Queen
 FROM: 3300 TO: 3600
 Initial Production 0 BOPD 0 BWPD
339 MCFPD GOR

Completion Data:
OH Completion

8 5/8" OD 24 lbs.
Surf. Pipe set @
298 w/ 275 sx
 cmt. Circ? yes

Subsequent Workover or Reconditioning:

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole
9 7/8" in 12 1/4" hole

5 1/2" OD
 Gr
17 Csg set @
3300 w/ 1100 sx
 Cmt. Circ?
 TOC @ Surf by TS
Calc

PBD '

TD 3600 '

WELL DATA SHEET

241

LEASE Aqua Blin-Drink SWD WELL NO. WD-N-18 FIELD San Andres SWD DATE 11/30/88LOCATION 1150 FEET FROM S LINE AND 2250 FEET FROM W LINESECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM

GE: 3419
 KDB to GE 12
 DF to GE _____

Date Completed 12/17/77Initial Formation San AndresFROM: 3900 TO: 4998Initial Production _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR

Completion Data:

Acidized OH w/10,000 gals.

9 5/8" OD 36440 lbs.
Surf. Pipe set @
315 w/ 200 sx
cmt. Circ? Yes

Subsequent Workover or Reconditioning:
9/7/88 - Acidized w/6000 gals.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

7 " OD
 Gr K-55
20 # Csg set @
3900 ' w/ 1850 sx
 Cmt. Circ? Yes
 TOC @ _____ by TS

Remarks or Additional Data:

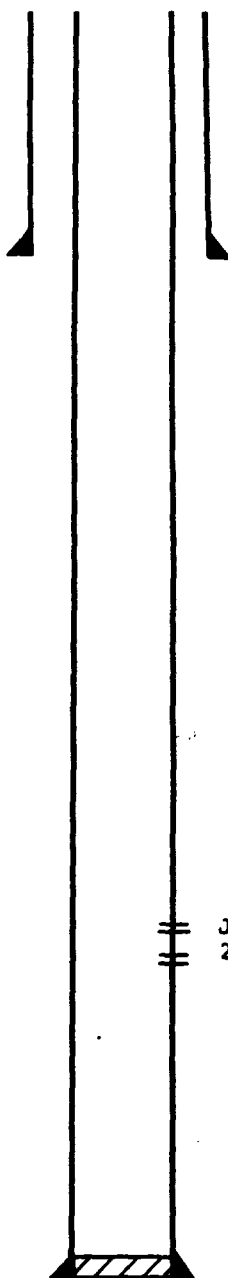
7" casing in 8 3/4" hole
8 3/4" OH

PBD _____

TD 4998

WELL DATA SHEET

LEASE American State "M" WELL NO. 101 FIELD Jalmat DATE 11/30/88
 LOCATION 990 FEET FROM N LINE AND 990 FEET FROM E LINE
 SECTION 19 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3406 '
 KDB to GE _____ '
 DF to GE _____ '

8 5/8" OD 20 lbs.
 Surf. Pipe set @
327 w/ 200 sx
 cmt. Circ? Yes

== Jalmat Perfs
 == 2660'-3202'

5 1/2" OD
 Gr J-55
15.5# Csg set @
3398 ' w/ 600 sx
 Cmt. Circ? No
 TOC @ 700 by TS

Date Completed 12/14/72
 Initial Formation Yates-Seven Rivers
 FROM: 2660 TO: 3202
 Initial Production 0 BOPD 0 BWPD
57 MCFPD --- GOR

Completion Data:
Perf 2660 - 32021'. Acidize & frac.

Subsequent Workover or Reconditioning:

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.

PBD 3399 '

TD 3412 '

AGU 245

PBD 3637
TD 3717

WELL DATA SHEET

246

LEASE American State "M" WELL NO. 4 FIELD Jalmat DATE 11/29/88
 LOCATION 660 FEET FROM N LINE AND 1980 FEET FROM W LINE
 SECTION 19 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM

GE: 3414 '
 KDB to GE 12 '
 DF to GE 11 '

Date Completed 10/23/40
 Initial Formation Grayburg
 FROM: 3578 TO: 3714
 Initial Production 636 BOPD 0 BWPD
430 MCFPD 677 GOR

Completion Data:
Acidized w/4000 gals.

9 5/8" OD 36 lbs.
 Surf. Pipe set @
465 w/ 175 sx
 cmt. Circ? N/A
 TOC @ 157' by calc

Squeezed casing leak
473'-504'

Squeezed
 Jalmat Perfs
2677'-3211'

Squeezed
 Penrose Perfs
3492'-3571'

5 1/2" OD
 Gr
17 # Csg set @
3578 ' w/ 300 sx
 Cmt. Circ? 259 by calc
 TOC @ 259 by calc

Subsequent Workover or Reconditioning:
3/5/52 - Acidized w/750 gals gelled
acid & 2000 gals 15%.

11/9/55 - Set Lynes packers 3610 &
3690'. Acidized w/1000
gals 15% & fraced w/20,000
gals oil & 30,000 #'s 20/
40 sand.

10/26/65 - Convert to SWD.

11/9/73 - Plugged back to 3550 w/200
sxs cmt. Perf Jalmat 2677-
3211. Acidized & fraced.

7/4/87 - Squeezed casing leak at
473 - 504'. Perf Penrose
3492 - 3571'. Set pkr at
3400'. Acidized w/3000 gals
15%. Fraced w/28,000 gals
GFW & 37,500 #'s 20/40 sd.
Left CI.

6/89 - Squeezed perfs and leaks
DO cmt to 3505' CO to 3714'

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

Remarks or Additional Data:
5 1/2" casing in 6 3/4" hole.
9 5/8" is 11 1/4" hole
Depths from GL.

PBD _____
 TD 3714 '

WELL DATA SHEET

AGU 247

LEASE American State "M" WELL NO. 5 FIELD Langlie DATE 11/29/88
 LOCATION 660 FEET FROM N LINE AND 660 FEET FROM W LINE
 SECTION 19 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM

GE: 3430
 KDB to GE 10
 DF to GE 9

3440

9 5/8" OD 36 lbs.
 Surf. Pipe set @
 459 w/ 175 sx
 cmt. Circ? N/A
 TOC @ 151' by calc

Squeezed casing leak
 @ 490'

Penrose/Grayburg Perfs
 3540'-3715'

-100

5 1/2" OD
 Gr
 17 # Csg set @
 3718' w/ 300 sx
 Cmt. Circ? No
 TOC @ 399 by TD
 Calc

Date Completed 11/9/40
 Initial Formation Penrose/Grayburg
 FROM: 3540 TO: 3715
 Initial Production 384 BOPD 0 BWPD
nm MCFPD nm GOR

Completion Data:
 Perf 3540 - 3715'. Acidize w/3000
 gals.

Subsequent Workover or Reconditioning:
 4/21/87 - Fraced w/20,000 gals GBW
 and 36,000 #'s 20/40 sand.

10/88 - Squeezed casing leak @ 490'
 w/300 sx.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

Remarks or Additional Data:
 5 1/2" casing in 6 3/4" hole.
 9 5/8" in 13 3/4" hole

PBD _____
 TD 3719