

SW

A

A'

NE

GOLDEN LANE (MORROW) FIELD  
320 ACRE PRODUCING UNIT

GOLDEN LANE (MORROW) FIELD  
320 ACRE PRODUCING UNIT

Discovery Well  
Dos Hermanos (Morrow) field

V-F PETROLEUM  
RECENT COMPLETION  
WITHIN ABANDONED  
640 ACRE PRODUCING UNIT

V-F PETROLEUM  
PROPOSED LOCATION  
WITHIN ABANDONED  
640 ACRE PRODUCING UNIT

1

2

3

4

5

6

7

8

9

10

21075  
TEXAS INTERNATIONAL PETROLEUM COMPANY INCORPORATED  
LOWE-FEDERAL  
5/20/1974  
3,325

21078  
YATES-STATE  
8/10/1974  
3,383

20834  
BENNETT M BRAD INCORPORATED  
HUDSON-FEDERAL CO  
8/14/1974  
3,415

21548  
NRM PETROLEUM CORPORATION  
GOLDEN FED  
2/27/1976  
3,381

10485  
MCRAE & HENRY LIMITED  
USA-EMPEROR OIL C  
3/27/1982  
3,379

33437  
V-F PETROLEUM INC  
BUDGE FEDERAL COM  
3,368

20848  
MCRAE & HENRY LIMITED  
FEDERAL GAS COM  
8/1/1985  
3,341

33074  
V-F PETROLEUM INC  
HALE FEDERAL COM  
11/19/2003  
12,300

20556  
V-F PETROLEUM INCORPORATED  
FEDERAL  
5/19/1972  
3,279

20819  
BASS PERRY R  
BIG EDDY UNIT  
3/12/1974  
3,371

T/Upper Morrow lm

T/Middle Morrow sd

T/Middle Morrow 'C' sd

T/Middle Morrow sh

T/Lower Morrow sd

T/Upper Morrow lm

T/Middle Morrow sd

T/Middle Morrow 'C' sd

T/Lower Morrow sd

T/Mississippian lm

T/Upper Morrow lm

T/Middle Morrow sd

T/Middle Morrow "C" sd

T/Middle Morrow sh

T/Lower Morrow sd

T/Mississippi lm

11105-11110  
12147-12151  
12147-12202  
12166-12178  
12256-12262  
18,883

10873-11092

11160-11166  
11777-11785  
11777-11804  
11792-11798  
11800-11804  
12149-12155  
12176-12186  
12190-12194  
12222-12228  
12248-12270  
12302-12310  
12412-12415  
12427-12431  
12476-12476  
12482-12502  
12550-12552  
303,058  
946

11117-11133  
11175-11225  
12413-12419

11078-11149  
11078-11113  
12180-12192  
12242-12391  
12243-12255  
12342-12352  
12361-12368  
12377-12383  
12387-12394  
9,437,250  
52,825

12480-12484  
12506-12510  
12530-12542

10973-11042  
11922-11924  
11922-12324  
11992-11996  
12063-12063  
12070-12098  
12108-12011  
12250-12270  
12281-12290  
12296-12305  
12316-12324  
1,940,834  
14,572

11837-12212  
1,235,236  
8,476

12236-12242  
12252-12256  
12280-12286  
12326-12334  
12370-12376  
12394-12398  
12464-12472  
12510-12518  
12530-12532  
12540-12542  
12550-12552  
24,245  
82

CAOF  
10,144 MCFPD

6/73 DST BHP 6266#  
7/73 SITP 4941#

79/15'

Tstd Gas  
TSTM

Tstd Gas  
TSTM

Tstd SW  
HKW 12470 (-9015)

58/34'

22/12  
TSTD GAS  
TSTM

54/18'

60/16'

4/65 DST  
BHP 5004#

ORIGINAL MORROW PERFS  
6/1/86  
12,242'-12,381'  
CAOF 13,800 MCFPD  
REPERF'D MORROW  
3/14/89  
12,180'-12,394'  
Tstd 20 BWPD No Gas  
8/65 SITP 3828#

64/36'

4/65 DST  
BHP 5038#

Est T/MMrw shale  
12,400'MD  
12,218'TVD

8/04 IP 1,483 MCFPD

8/04 SITP 3250#  
Ext BHP 5069#

88/37'

3/74 DST BHP 5153#

CAOF  
8,310 MCFPD

32/19'

78/53'

65/6'

CAOF  
6,810 MCFPD

3/72 DST BHP 5009#  
8/72 SITP 3260#

14/6'

72/18'

107/18'

Net sd / Net Porous sd

34/9'

Net sd / Net Porous sd

74/25'

Net sd / Net Porous sd

OIL CONSERVATION  
CASE NUMBER  
EXHIBIT NUMBER 2

|                                                                                                                   |  |  |  |
|-------------------------------------------------------------------------------------------------------------------|--|--|--|
| Dos Hermanos (Morrow) field                                                                                       |  |  |  |
| Eddy County, New Mexico                                                                                           |  |  |  |
| Stratigraphic Cross Section A - A'                                                                                |  |  |  |
| Datum Middle Morrow shale                                                                                         |  |  |  |
| Horizontal Scale = 307.0<br>Vertical Scale = 40.0<br>Well Name<br>WELL - COMP DATE<br>WELL - B/LC-IG<br>WELL - TD |  |  |  |
| TEST BEGON TIMES                                                                                                  |  |  |  |
| PRODUCTION - O_MORROW_ALL (HAC)<br>PRODUCTION - O_MORROW_ALL (HAC)                                                |  |  |  |
| By HAC                                                                                                            |  |  |  |
| WELL - L200 - 8/1/89                                                                                              |  |  |  |