14000 Quail Springs Parkway Suite 600 Oklahoma City, Oklahoma 73134-2600 Telephone 405 749-1300 Fax 405 749-9385

NSL 5/4/98

Louis Dreyfus Natural Gas

April 9, 1998



Michael E. Stogner Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505

RE: SE Carlsbad Wolfcamp Pool White Wing 22 Federal Com #23 Eddy County, New Mexico

Dear Mr. Stogner:

Louis Dreyfus Natural Gas Corp. has plans to recomplete the White Wing 22 Fed Com #23 well to the Wolfcamp formation.

It is respectfully requested that OCD NSL 3869 be amended to approve an Unorthodox Location in the Wolfcamp. I have attached a copy of our original Order #R-10903 for the White Wing well for your review.

Your assistance is appreciated and should you have any questions or comments, please do not hesitate to call.

Sincerely,

LOUIS DREYFUS NATURAL GAS CORP.

Joe W. Hammond District Landman

JWH/eeo

STATE OF NEW MEXICO ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING:

CASE NO. 11858 Order No. R-10903

APPLICATION OF LOUIS DREYFUS NATURAL GAS CORPORATION FOR COMPULSORY POOLING AND AN UNORTHODOX WELL LOCATION, EDDY COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8:15 a.m. on October 9, 1997, at Santa Fe, New Mexico, before Examiner David R. Catanach.

NOW, on this 17th day of October, 1997, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

(1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) The applicant, Louis Dreyfus Natural Gas Corporation, seeks an order pooling all mineral interests from the surface to the base of the Morrow formation underlying the following described acreage in Section 22, Township 22 South, Range 26 East, NMPM, Eddy County, New Mexico, and in the following manner:

> the S/2 to form a standard 320-acre gas spacing and proration unit for any and all formations and/or pools spaced on 320 acres within said vertical extent which presently includes but is not necessarily limited to the Undesignated Southeast Carlsbad-Wolfcamp Pool, Undesignated East Hackberry Hills-Canyon Gas Pool, Undesignated Northeast Sheep Draw-Strawn Gas Pool, Undesignated South Happy Valley-Atoka Gas Pool and the Undesignated Happy Valley-Morrow Gas Pool;

the SW/4 to form a standard 160-acre spacing and proration unit for any and all formations and/or pools spaced on 160 acres within said vertical extent; and,

the NE/4 SW/4 to form a standard 40-acre oil spacing and proration unit for any and all formations and/or pools spaced on 40 acres within said vertical extent.

Said units are to be dedicated to the applicant's proposed White Wing "22" Federal Com Well No. 23 to be drilled at an unorthodox location 1980 feet from the South line and 2635 feet from the West line (Unit K) of Section 22.

(3) The applicant has the right to drill and proposes to drill its White Wing "22" Federal Com Well No. 23 at the unorthodox location described above.

(4) At the time of the hearing the applicant testified that by Order No. NSL-3869 dated September 16, 1997, it has obtained Division approval of the proposed unorthodox location for the White Wing "22" Federal Com Well No. 23 as to the Morrow interval. Applicant therefore requested that the portion of this application seeking approval of the proposed unorthodox location be dismissed.

(5) There are interest owners in the proposed proration units who have not agreed to pool their interests.

(6) To avoid the drilling of unnecessary wells, to protect correlative rights, to avoid waste, and to afford to the owner of each interest in said units the opportunity to recover or receive without unnecessary expense his just and fair share of the production in any pool completion resulting from this order, the subject application should be approved by pooling all mineral interests, whatever they may be, within said units.

(7) The applicant should be designated the operator of the subject well and units.

(8) Any non-consenting working interest owner should be afforded the opportunity to pay his share of estimated well costs to the operator in lieu of paying his share of reasonable well costs out of production.

(9) Any non-consenting working interest owner who does not pay his share of estimated well costs should have withheld from production his share of the reasonable well costs plus an additional 200 percent thereof as a reasonable charge for the risk involved in the drilling of the well.

CASE NO. 11858 Order No. R-10903 Page -3-

(10) Any non-consenting working interest owner should be afforded the opportunity to object to the actual well costs but actual well costs should be adopted as the reasonable well costs in the absence of such objection.

(11) Following determination of reasonable well costs, any non-consenting working interest owner who has paid his share of estimated costs should pay to the operator any amount that reasonable well costs exceed estimated well costs and should receive from the operator any amount that paid estimated well costs exceed reasonable well costs.

(12) \$5610.00 per month while drilling and \$663.00 per month while producing should be fixed as reasonable charges for supervision (combined fixed rates); the operator should be authorized to withhold from production the proportionate share of such supervision charges attributable to each non-consenting working interest, and in addition thereto, the operator should be authorized to withhold from production the proportionate share of actual expenditures required for operating the subject well, not in excess of what are reasonable, attributable to each non-consenting working interest.

(13) All proceeds from production from the subject well which are not disbursed for any reason should be placed in escrow to be paid to the true owner thereof upon demand and proof of ownership.

(14) Upon the failure of the operator of said pooled units to commence the drilling of the well to which said units are dedicated on or before January 15, 1998, the order pooling said units should become null and void and of no effect whatsoever.

(15) Should all the parties to this forced pooling order reach voluntary agreement subsequent to entry of this order, this order shall thereafter be of no further effect.

(16) The operator of the well and units shall notify the Director of the Division in writing of the subsequent voluntary agreement of all parties subject to the forced pooling provisions of this order.

IT IS THEREFORE ORDERED THAT:

(1) All mineral interests, whatever they may be, from the surface to the base of the Morrow formation underlying the following described acreage in Section 22, Township 22 South, Range 26 East, NMPM, Eddy County, New Mexico, are hereby pooled in the following manner:

CASE NO. 11858 Order No. R-10903 Page -4-

> the S/2 to form a standard 320-acre gas spacing and proration unit for any and all formations and/or pools spaced on 320 acres within said vertical extent which presently includes but is not necessarily limited to the Undesignated Southeast Carlsbad-Wolfcamp Pool, Undesignated East Hackberry Hills-Canyon Gas Pool, Undesignated Northeast Sheep Draw-Strawn Gas Pool, Undesignated South Happy Valley-Atoka Gas Pool and the Undesignated Happy Valley-Morrow Gas Pool;

> the SW/4 to form a standard 160-acre spacing and proration unit for any and all formations and/or pools spaced on 160 acres within said vertical extent; and,

> the NE/4 SW/4 to form a standard 40-acre oil spacing and proration unit for any and all formations and/or pools spaced on 40 acres within said vertical extent.

Said units shall be dedicated to the applicant's White Wing "22" Federal Com Well No. 23 to be drilled at a previously approved unorthodox location 1980 feet from the South line and 2635 feet from the West line (Unit K) of Section 22.

<u>PROVIDED HOWEVER THAT</u>, the operator of said units shall commence the drilling of said well on or before the 15th day of January, 1998, and shall thereafter continue the drilling of said well with due diligence to a depth sufficient to test the Morrow formation.

<u>PROVIDED FURTHER THAT</u>, in the event said operator does not commence the drilling of said well on or before the 15th day of January, 1998, Ordering Paragraph No. (1) of this order shall be null and void and of no effect whatsoever, unless said operator obtains a time extension from the Division Director for good cause shown.

<u>PROVIDED FURTHER THAT</u>, should said well not be drilled to completion, or abandonment, within 120 days after commencement thereof, said operator shall appear before the Division Director and show cause why Ordering Paragraph No. (1) of this order should not be rescinded.

(2) Louis Dreyfus Natural Gas Corporation is hereby designated the operator of the subject well and units.

(3) After the effective date of this order and within 90 days prior to commencing said well, the operator shall furnish the Division and each known working interest owner in the subject units an itemized schedule of estimated well costs.

CASE NO. 11858 Order No. R-10903 Page -5-

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(4) Within 30 days from the date the schedule of estimated well costs is furnished to him, any non-consenting working interest owner shall have the right to pay his share of estimated well costs to the operator in lieu of paying his share of reasonable well costs out of production, and any such owner who pays his share of estimated well costs as provided above shall remain liable for operating costs but shall not be liable for risk charges.

(5) The operator shall furnish the Division and each known working interest owner an itemized schedule of actual well costs within 90 days following completion of the well; if no objection to the actual well costs is received by the Division and the Division has not objected within 45 days following receipt of said schedule, the actual well costs shall be the reasonable well costs; provided however, if there is objection to actual well costs within said 45-day period the Division will determine reasonable well costs after public notice and hearing.

(6) Within 60 days following determination of reasonable well costs, any nonconsenting working interest owner who has paid his share of estimated well costs in advance as provided above shall pay to the operator his pro rata share of the amount that reasonable well costs exceed estimated well costs and shall receive from the operator his pro rata share of the amount that estimated well costs exceed reasonable well costs.

(7) The operator is hereby authorized to withhold the following costs and charges from production:

- (A) The pro rata share of reasonable well costs attributable to each nonconsenting working interest owner who has not paid his share of estimated well costs within 30 days from the date the schedule of estimated well costs is furnished to him.
- (B) As a charge for the risk involved in the drilling of the well, 200 percent of the pro rata share of reasonable well costs attributable to each non-consenting working interest owner who has not paid his share of estimated well costs within 30 days from the date the schedule of estimated well costs is furnished to him.

(8) The operator shall distribute said costs and charges withheld from production to the parties who advanced the well costs.

(9) \$5610.00 per month while drilling and \$663.00 per month while producing are hereby fixed as reasonable charges for supervision (combined fixed rates); the operator is hereby authorized to withhold from production the proportionate share of such supervision charges attributable to each non-consenting working interest, and in addition thereto, the operator is hereby authorized to withhold from production the proportionate share of actual expenditures required for operating such well, not in excess of what are reasonable. attributable to each non-consenting working interest.

(10) Any unleased mineral interest shall be considered a seven-eighths (7/8) working interest and a one-eighth (1/8) royalty interest for the purpose of allocating costs and charges under the terms of this order.

(11) Any well costs or charges which are to be paid out of production shall be withheld only from the working interest's share of production, and no costs or charges shall be withheld from production attributable to royalty interests.

(12) All proceeds from production from the subject well which are not disbursed for any reason shall immediately be placed in escrow in Eddy County, New Mexico, to be paid to the true owner thereof upon demand and proof of ownership; the operator shall notify the Division of the name and address of said escrow agent within 30 days from the date of first deposit with said escrow agent.

(13) Should all the parties to this forced pooling order reach voluntary agreement subsequent to entry of this order, this order shall thereafter be of no further effect.

(14) The operator of the well and units shall notify the Director of the Division in writing of the subsequent voluntary agreement of all parties subject to the forced pooling provisions of this order.

(15) Jurisdiction is hereby retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION WILLIAM LEMAY Director

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OIL CONSERVATION DIVISION ARTESIA, NEW MEX. 88210

TO: Nen FROM:

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IF YOU HAVE ANY PROBLEMS WITH THIS TRANSMISSION, PLEASE CALL 505-748-1283. FAX NUMBER (505) 748-9720

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LOUIS DREYFUS NATURAL GAS CORP. WHITE WING "22" FEDERAL COM. #23 UNIT "K" SECTION 22 T22S-R26E EDDY CO. NM

- 1. Drill 25" hole to 40'. Set 40' of 20" conductor pipe and cement to surface wity Redi-mix.
- 2. Drill 17½" hole to 500'. Run and set 500' of 13 3/8" 54.5# J-55 ST&C casing. Cement with 400 Sx. of Class "C" + 2% CaCl, circulate cement to surface.
- 3. Drill 12½" hole to 1700'. Run and set 1700' of 9 5/8" 36# K-55 ST&C casing. Cement with 650 Sx. of Class "C" cement + 4% Gel + 2% CaCl, circulate cement to surface.
- 4. Drill 8 3/4" hole to 9000'. Run and set 9000' of 7" 26# S-95 8-R LT&C casing. Cement in two stages, DV tool at 4000' ±. Cement 1st stage with 500 Sx. Self Stress (10/10) 2% CaCl + ½# flocele/Sx + 2% Defoamer. Cement 2nd stage with 180 Sx. 65/35 POZ Class "C" + 6% Gel + ½# flocele/Sx., tail in with 300 Sx. Self Stress (10/10) + 2% CaCl + ½# flocele/Sx. + 2% defoamer. Est. top of cement 1500'.
- 5. Drill 6 1/8" hole to 11,800'. Run and set a 4½" 13.5# S-95 FL4S liner from 8800' to TD 11,800' (3000'). Cement with 175 Sx. Class "H" + .4% D-156 + .4% D-65 + .2% D-800 + .2% D-46.

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PETROLEUM INFORMATION/DWIGHTS MIDLAND REGION REPORT SECTION III - 04/13/98

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NEW MEXICO DRILLING PROGRESS EDDY COUNTY CONTINUED

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LOC VATES PET 6 SERVINICAN YAMP FEDERAL 10 SU015:7050-98 10 SU	5 BRANNIGAN 'ANF' FEDERAL	NE SE	S 4TH ST, ARTESIA, NM, 88210 PHONE (505) 748-1471; EL: 4342 GR; LOCATION DATA: 30 MI NW CARLSBAD, NM ; PBHL: 900 FSL 660 FEL	D
ICEDENNUCLAY MAP FEDERAL IC 30 0157-0156-98 ISTP FNL 328 FEL SEC LOC 30 0157-0156-98 ISTP FNL 328 FEL SEC LOC 30 0157-0156-98 IVEX Construction and a sector phone costs and costs and a sector phone costs and a sector pho	LOC;			
1 ROCK WATERHOLE (CANYON) 126 OF NUL BES MIDLAND, TX, 7970 - PHORE (515) 867-3551; LOCATION DATA: 19 M INW 1'E STATE IS 300157031598 IS 300157031598 MIDLAND, TX, 7970 - PHORE (515) 867-3551; LOCATION DATA: 19 M INW 1'E STATE IS 300157031598 IS 300157031598 MIDLAND, TX, 7970 - PHORE (515) 867-3551; LOCATION DATA: 19 M INW YATES PET 15225-24E IS 500 WARD SX, RIG REL 082896, 8700 TD (APPROX, SI (DR 0841-437) D YATES PET 15225-24E IS 500 WARD SX, RIG REL 1028296, 8600 CL UADER SAUE (605) TA61-471; EL 2300 CR LOCATION DATA: 33 M INW ORALISSON, NH : CONTEN, ND REVE: IS CONTEN, NDT R	6 BRANNIGAN 'ANF' FEDERAL IC 30-015-70156-98	SE NE	S 4TH.ST, ARTESIA, NM, 88210 PHONE (505) 748-1471; EL: 4364 GR;	D
YATES PET S HIGKORY (ALV FEDERAL PH 30-015-20000 18-225-24E (150 080 DER ADD: 105 SHI ST. ATTESAL MARK (FR 01:2007MD) (ST APPO PMT: 1200800 DER ADD: 105 SHI ST. ATTESAL MARK (FR 01:2007MD) (ST APPO PMT: 1200800 DER ADD: 105 SHI ST. ATTESAL MARK (FR 01:2007MD) (ST APPO PMT: 1200800 DER ADD: 105 SHI ST. ATTESAL MARK (FR 01:2007MD) (ST APPO PMT: 1200800 DER ADD: 105 SHI ST. ATTESAL MARK (FR 01:2007MD) (ST APPO PMT: 1200800 DER ADD: 105 SHI ST. ATTESAL MARK (FR 01:2007MD) (ST APPO PMT: 1200800 DER ADD: 105 SHI ST. ATTESAL MARK (FR 01:2007MD) (ST APPO PMT: 1200800 DER ADD: 105 SHI ST. ATTESAL MARK (FR 01:2007MD) (ST APPO PMT: 1200800 DER ADD: 105 SHI ST. ATTESAL MARK (FR 01:2007MD) (ST APPO PMT: 1200800 DER ADD: 100 SHI ST. 1000807 (ST APPO PMT: 1200800 DER ADD: 100 SHI	1 ROCK WATERHOLE (CANYON) '16' STATE API 30-015-29105	1240 FNL 660 FWL SEC IC 300157041296	MIDLAND, TX, 79701 PHONE (915) 687-3551; LOCATION DATA: 19 MI NW WHITE CITY, NM .75 MI E/8139 (CNYN) OIL PROD IN INDIAN BASIN FIELD ; (VERTICAL)	
5 HIGKORY JALV FEDERAL API 30-015-28050 190 of TAU Set			• · · · · · · · · · · · · · · · · · · ·	
BEACHED: 11/1 (4497), RIG REL: 11/1697;	5 HICKORY 'ALV' FEDERAL API 30-015-28060	1650 FNL 680 FEL SEC IC 300157003297	12/09/96) OPER ADD: 105 S 4TH ST, ARTESIA, NM, 88210 PHONE (505) 748-1471; EL: 2330 GR; LOCATION DATA: 33 MI NW CARLSBAD, NM ; FORMERLY ABND LOC 1/15/97 @ 1600 FNL, 660 FEL UNDER SAME API & IC 30-025-70051-93; (VERTICAL)	
1 STETSON '1' FEDERAL API 30-015-29272 e80 FE 160 FE 190 MC AND TX, 7970 PHONE (53 00157027896 OPER ADD 160 00 MARLENFELD, STE 100, MC AND, TX, 7970 PHONE (51) 683-2534; EL: 354 66; LOCATION DATA: 6 M/ CARLESBAD, M/ 25 MI E/9622 (MSSP) GAS PROD IN EDDY CO UNDESIGNATED FLD (VERTICAL) CONTR: W E K DRLG, RIG #3:SPUD: 1209/96, CSG: 13 38 0 g26 W/300 SX, 88 0 g200; RIG REL 1222/96,, 5200 TD, SI (LDR 0801/97) D LOUIS DREYFUS NTRL GAS 1MCGRUDER '13' FEDERAL COM HOVAY DRLG, RIG #7:SPUD: 112097 (ST), RIG REL 1012/97) 13-225-25E (13 0015705887 HAPPY VALLEY: 11875 MORROW, (FB 000297ML) (ST APPD PMT: 027037) OPER ADD: 1400 CUAL SPRINGS PKWY, STE 600, OKLAHOMA OTY, OK, 7314 PHONE 1063) '149/302, EL: 3382 6R; LOCATION DATA: 5 I 04707 (OF, 7314 PHONE 1063) '149/302, EL: 3384 6R; LOCATION DATA: 5 I 04707 (OF, 7314 PHONE 1063) '149/302, EL: 3384 6R; LOCATION DATA: 5 I 04707 (OF, 7314 PHONE 1063) '149/302, EL: 3384 6R; LOCATION DATA: 5 I MAPPY VALLEY: 1500 00RROW, (FB 072857MD) (ST APPD PMT: 047087 / OPER ADD: 14000 CUAL SPRINGS PKWY, STE 600, OKLAHOMA CTY, OK, 7314 PHONE 1063 '140-1300, EL: 3384 GR; LOCATION DATA: 1 MI V CARLESRAD NM; (VERTICAL) D CONTR: MCVAY DRLG, RIG #7.SPUD: 1090/007 RIG REL 03 00157052897 14007 RD APROX SI (LDR 11/2597) D PENWELL ENERGY 1 HACKGERFY '237 FEDERAL API 30-015-23333 23-225-26E (C 300157052897 HAPPY VALLEY: 1000 MORROW, (FB 022897MD) (ST APPD PMT: 0210877 / OPER ADD: 1000 NARIENFELD STE 1100, MILAND, TX 7707 PHONE (15) 68-2534; EL: 3334 GR; LOCATION DATA: 1 MI S CARLESAD, NM; (VERTICAL) D CONTR: W E K DRLG, RIG #7.SPUD: 042897, RIG REL 03: 00157:23522 31-225-25E (C 300157:035297 <	CONTR: NOT RPTD; SPUD: 10/1 REACHED: 11/ 14/97), RIG REL: 1	1/97, CSG: 20 @ 40, 13 3/8 11/16/97; 10520 TD, WOC	@ 355 W/550 SX, 5 1/2 @ 10520 W/850 SX; DRLG COMMENTS: SPD 10/15/97 W T (LDIR 11/18/97)	// RT (TD
LOUIS DREYFUS NTRL GAS 1 MCCRUDER '13' FEDERAL COM 13-225-25E 20 F8L 1380 CPU. SEC 10 300157058897 13-225-25E 20 F8L 1380 CPU. SEC 10 30015705887 HAPPY VALLEY; 11875 MORROW, (FR 09/0297MD) (ST APPD PMT: 00/2597) OPER ADD: 14000 CULAL SPRINGS FKWY, STE 60. OKLAHOMA CIT, OK, 7313 4 PHONE (406) 749-1300: EL 320, 329 GR; LOCATION DATA: 5 1 W CARLSBAD, NM, (PBHL: 980 F8L 389 GR; LOCATION DATA: 5 1 W CARLSBAD, NM, (PBHL: 980 F8L 389 GR; LOCATION DATA: 5 1 W CARLSBAD, NM, (PBHL: 980 F8L 389 GR; LOCATION DATA: 5 1 W CARLSBAD, NM, (PBHL: 980 F8L 389 GR; LOCATION DATA: 5 1 W CARLSBAD, NM, (PBHL: 980 F8L 389 GR; LOCATION DATA: 1 W CARLSBAD, NM, (PBHL: 980 F8L 389 GR; LOCATION DATA: 1 W CARLSBAD, NM, (VERTICAL) D CONTR: MCVAY DRLG, RIG #7.SPUD: 11/2097 (RG REL: 11/1987). HAPPY VALLEY; 11800 MORROW, (FR 07/25/S7MD) (ST APPD PMT: 0 300157058297 D PENWELL ENERGY 1 HACKERFY '29' FEDERAL API 30-015-29393 29-225-28E 10 300157058296 HAPPY VALLEY; 11800 MORROW, (FR 04/25/87MD) (ST APPD PMT: 021967) OPER ADD: 800 NARIENFELD, STE 1100, MIOLAND, TX, 7970 PHONE (915) 683-2534; EL: 3334 GR; LOCATION DATA: 1 M IS CARLSBAD, NH, (VERTICAL) D CONTR: W E K DRLG, RIG #7.SPUD: 09/3897, 4990 TD, TITE (LDR 101/1397) HAPPY VALLEY; 12000 MORROW, (FR 04/23/87MD) (ST APPD PMT: 0300157/058926 D MAZANO OLL 2 ESPERANZA STATE 10 30-015-70158-98 31-225-27E 10 30-015-70159-98 NILCAT; 11900 MORROW, (FR 03/25/89MD) OPER ADD: 80X 2107, ROSWELL NM, 88220 PHONE (606) 623-1986; EL 3327 GR; LOCATION DATA: 2 M E CARLSBAD, NM X3417 (DLWR) OLL PROD IN ESPERANZA FIEL 2 2 M E CARLSBAD, NM X4417 (DLWR) OLL PROD IN ESPERANZA FIEL 2 2 M E CARLSBAD, NM (VERTICAL) WD <td< td=""><td>1 STETSON '1' FEDERAL</td><td>660 FSL 660 FEL SEC</td><td>OPER ADD: 600 N MARIENFELD, STE 1100, MIDLAND, TX, 79701 PHONE (915) 683-2534; EL: 3548 GR; LOCATION DATA: 6 MI W CARLSBAD, NM .25 MI E/9622 (MSSP) GAS PROD IN EDDY CO UNDESIGNATED FLD</td><td>WS</td></td<>	1 STETSON '1' FEDERAL	660 FSL 660 FEL SEC	OPER ADD: 600 N MARIENFELD, STE 1100, MIDLAND, TX, 79701 PHONE (915) 683-2534; EL: 3548 GR; LOCATION DATA: 6 MI W CARLSBAD, NM .25 MI E/9622 (MSSP) GAS PROD IN EDDY CO UNDESIGNATED FLD	WS
TMCCRUDER 13' FEDERAL COM 280 FSL 130 FWL SEC (3 00157058897) 0925377 (OPER ADD: 14000 QUAL SPRINGS PKWY, STE 600, OKLAHOMA (G 300157058897) COMTE: VALUE 3390 GRL LOCATION DATA: 5 II W CARLSAD, NM; (PBHL: 980 FSL 3395 CRL LOCATION DATA: 5 II W CARLSAD, NM; (PBHL: 980 FSL 3355 CLL 33225-25E; (DEVIATED) D LOUIS DREYFUS NTHL GAS 2 WHTE WING '22' FEDERAL #2 1980 FSL 2535 FWL SEC 0 207370 OPER ADD: 14000 QUAL SPRINGS PKWY, STE 600, OKLAHOMA CC 000, CX 73134 PHOROX [405] 746-1300; (ST APPD PMT: 0 207370 OPER ADD: 14000 QUAL SPRINGS PKWY, STE 600, OKLAHOMA CC 000, CX 73134 PHOROX [310] LDR 11/25/971 D PENWELL ENERGY 1 HACKBERRY '22' FEDERAL API 30-015-29333 29.225-28E 1650 FSL 680 FEL SEC IC 30015705296 HAPPY VALLEY; 11000 MORROW, (FR 0/25/97100) (ST APPD PMT: 02/19/97) OPER ADD: 6001 MARENFELD, STE 1100, MDLAND, TX, 79701 PHONE (15) 683-2543; EL: 3335 GR; LOCATION DATA: 1 MI S CARLSBAD, MI; (VERTICAL) D CONTR: W E K DRLG, RIG #3;SPUD: 09/19/97, 4990 TD, TITE (LDR 10/13/97) PHONE (15) 683-254; EL: 3335 GR; LOCATION DATA: 1 MI S CARLSBAD, MI; (VERTICAL) D CONTR: W E K DRLG, RIG #7,SPUD: 04/28/97, RIG REL: 02/19/97, OPER ADD: 6001 MARENFELD, STE 1100, MDLAND, TX, 79701 PHONE (15) 683-254; EL: 3374 GR; LOCATION DATA: 6 MI SW CARLSBAD, MI, (WERTICAL) D CONTR: W E K DRLG, RIG #7,SPUD: 04/28/97, RIG REL: 06/12/97, 12000 TD, TITE (LDR 06/19/97) WD D CONTR: W E K DRLG, RIG #7,SPUD: 04/28/97, RIG REL: 06/12/97, 12000 MORROW, (FR 03/25/98MD) OPER ADD: 80X 2107, ROSVELL, NM, 88202 PHONE (60/5) 623-1998; EL: 3127 GR; LOCATION DATA: 2 MI E CARLSBAD, MI, (WERTICAL) <td>CONTR: WEKDRLG, RIG #3;</td> <td>SPUD: 12/09/96, CSG: 13 3/</td> <td>8 @ 256 W/300 SX, 8 5/8 @ 2200; RIG REL: 12/22/96; 5200 TD, SI (LDIR 08/01/</td> <td>97)</td>	CONTR: WEKDRLG, RIG #3;	SPUD: 12/09/96, CSG: 13 3/	8 @ 256 W/300 SX, 8 5/8 @ 2200; RIG REL: 12/22/96; 5200 TD, SI (LDIR 08/01/	97)
2 WHITE WING '22' FEDERAL #2 1880 FSL 2835 FWL SEC IC 300157052897 0327671 OPER ADD: 14000 CUAL SPRINGS PKWPS, STE 600, OKLAHOMA CTV, OK, 73134 PHONE (a00) 746-1300, EL: 3349 GR, LOCATION DATA: 1 W CARLSBAD, NN : (VERTICAL) CONTR: MCVAY DRLG, RIG #7:SPUD: 09/3097, RIG REL: 11/18/97,, 11800 TD, (APPROX) SI (LDB 11/25/97) D PENWELL ENERGY 1 HACKBERRY '29' FEDERAL API 30-015-29393 29-225-26E IC 300157052896 HAPPY VALLEY, 5008 DELAWARE, (FR 11/25/96MD) (ST APPD PMT: 02/19/97) OPER ADD: 600 N MARIENFELD, STE 1100, MIDLAND, TX, 79701 PHONE (915) 683-2534; EL: 3338 GR; LOCATION DATA: 1 MI'S CARLSBAD, NI' (VERTICAL) D PENWELL ENERGY 1 HACKBERRY '31' STATE API 30-015-29322 31-225-26E IS 300157032697 HAPPY VALLEY; 12000 MORROW, (FR 04/23/97MD) (ST APPD PMT: 02/19/97) OPER ADD: 600 N MARIENFELD, STE 1100, MIDLAND, TX, 79701 PHONE (915) 683-2534; EL: 3374 GR; LOCATION DATA: 6 MI SW CARLSBAD, NN, 50 MI M3417 (DLWR) OIL 2007, PHONE (915) 683-2534; EL: 3374 GR; LOCATION DATA: 6 MI SW CARLSBAD, NN, 50 MI M3417 (DLWR) OIL PROD IN ESPERANZA STATE IC 30-015-70158-98 S223-27E 980 FSL 990 FWL SEC WILDCAT; 11900 MORROW, (FR 03/25/98MD) OPER ADD: BOX 2107, NW SW 1850 FSL 990 FWL SEC WU I LOC; MAZZANO OIL 1 SPERANZA STATE IC 30-015-70159-98 4-225-27E 980 FSL 990 FWL SEC WILDCAT; 11900 MORROW, (FR 03/25/98MD) OPER ADD: BOX 2107, NF SEC WD I SOTAR: W E K DRLG, RIG #4:SPUD: 03/24/98, CSG: 13 378 (8 -429 W/400 SC), DRLG 5195 (LDIR 04/08/98) CARLSBAD, NM, 50 MI M3417 (DLWR) OIL PROD IN ESPERANZA FIELD ; (VERTICAL) D	1 MCGRUDER '13' FEDERAL COM API 30-015-29871	280 FSL 1930 FWL SEC IC 300157058897	09/25/97) OPER ADD: 14000 QUAIL SPRINGS PKWY, STE 600, OKLAHOMA CITY, OK, 73134 PHONE (405) 749-1300; EL: 3399 GR; LOCATION DATA: 5 I W CARLSBAD, NM ; PBHL: 980 FSL 1980 FEL SEC, 13-22S-25E; (DEVIATED)	D
PENWELL ENERGY 1 HACKBERRY' 329' FEDERAL API 30-015-29393 29-225-26E 1650 FSL 660 FSL 5CC IC 300157059296 HAPPY VALLEY; 5008 DELAWARE, (FR 11/25/96MD) (ST APPD PMT: IC 300157059296 D CONTR: W E K DRLG, RIG #3:SPUD: 09/18/97, 4990 TD, TTE (LDR 10/13/97) DENS (15) 683-2534; EL: 3338 GR; LOCATION DATA: 1 MI S CARLSBAD, IN: (VERTICAL) D PENWELL ENERGY 1 HACKBERRY '31' STATE API 30-015-29522 31-225-26E 1980 FAL 660 FEL SEC IC 300157032697 HAPPY VALLEY; 1000 MORROW, (FR 04/23/97MD) (ST APPD PMT: D / 116(15) 683-2534; EL: 3374 GR; LOCATION DATA: 6 MI SW CARLSBAD, MM; (VERTICAL) D CONTR: MCVAY DRLG, RIG #7;SPUD: 04/26/97, RIG REL: 06/12/97; 12000 TD, TTE (LDR 08/01/97) HAPPY VALLEY; 1000 MORROW, (FR 03/25/98MD) OPER ADD: BOX 2107, ROSWELL, NM, 88202 PHONE (605) 623-1996; EL: 3127 GR; LOCATION DATA: 2 MI E CARLSBAD, NM. 50 MI N/3417 (DLWR) OIL PROD IN ESPERANZA STATE IC 30-015-70158-98 3-225-27E 800 FSL 990 FWL SEC SEC WILDCAT; 11900 MORROW, (FR 03/25/98MD) OPER ADD: BOX 2107, ROSWELL, NM, 88202 PHONE (605) 623-1996; EL: 3127 GR; LOCATION DATA: 2 MI E CARLSBAD, NM. 75 MI NW/3417 (DLWR) OIL PROD IN ESPERANZA FIELD : (VERTICAL) WD I CC; MANZANO OIL 1 ESPERANZA STATE IC 30-015-70159-98 4-225-27E 85 SE 860 FSL 990 FEL SEC CARLSBAD, NM. 75 MI NW/3417 (DLWR) OIL PROD IS ESPERANZA FIELD : (VERTICAL) WD I CONTR: W E K DRLG, RIG #4:SPUD: 03/24/98, CSG: 13 3/8 (# 29 W/400 SX, DRLG 5195 (LDIR 04/08/98) CARLSBAD SOUTH; 12300 MORROW, (FR 03/25/98MD) OPER ADD: BOX 2107, ROSWELL, NM, 8202 PHONE (605) 623-1996; ILOCATION DATA: 2 MI E 10/120/891 00 FSL 660 FEL SEC (300157075197 CARLSBAD SOUT	2 WHITE WING '22' FEDERAL #2 API 30-015-29833	1980 FSL 2635 FWL SEC IC 300157052697	08/27/97) OPER ADD: 14000 QUAIL SPRINGS PKWY, STE 600, OKLAHOMA CITY, OK, 73134 PHONE (405) 749-1300; EL: 3349 GR; LOCATION DATA: 1 MI W CARLSBAD. NM ; (VERTICAL)	D
1 HACKBERRY '29' FEDERAL 1650 FSL 660 FEL SEC 02/19/97) OPER ÁDD: 600 N MARIENFELD, STE 1100, MIDLAND, TX, 79701 API 30-015-23933 0:500157055296 02/19/97) OPER ÁDD: 600 N MARIENFELD, STE 1100, MIDLAND, TX, 79701 PENWELL ENERGY 31-225-26E 1980 FNL 660 FEL SEC 02/19/97) OPER ÁDD: 600 N MARIENFELD, STE 1100, MIDLAND, TX, 79701 PHONE (915) 683-2534; EL: 3338 GR; LOCATION DATA: 1 MI S CARLSBAD, NM; (VERTICAL) 04/16/97) OPER ADD: 600 N MARIENFELD, STE 1100, MIDLAND, TX, 79701 D PENWELL ENERGY 31-225-26E 1980 FNL 660 FEL SEC 04/16/97) OPER ADD: 600 N MARIENFELD, STE 1100, MIDLAND, TX, 79701 D API 30-015-23522 015-20522 31-225-27E HAPPY VALLEY (1200 MORROW, (FR 03/25/98MD) OPER ADD: BOX 2107, ROSWELL, NM, 88202 PHONE (605) 623-1996; EL: 3127 GR; LOCATION DATA: 2 MI E CARLSBAD, NM : (VERTICAL) WD 2 ESPERANZA STATE 3-225-27E WILDCAT; 11900 MORROW, (FR 03/25/98MD) OPER ADD: BOX 2107, ROSWELL, NM, 88202 PHONE (505) 623-1996; EL: 3127 GR; LOCATION DATA: 2 MI E CARLSBAD, NM : (VERTICAL) WD LOC; MANZANO 01L 4-225-27E WILDCAT; 11900 MORROW, (FR 03/25/98MD) OPER ADD: BOX 2107, ROSWELL, NM, 88202 PHONE (505) 623-1996; LOCATION DATA: 2 MI E CARLSBAD, NM : (VERTICAL) WD CONTR: W E K DRLG, RIG #4.SPUD: 03/24/98, CSG: 13 3/8 (Ø 429 W/400 SX: DRLG 5195 (LDIR 04/08/98) CARLSBAD, NM : (VERTICAL) CARLSBAD, NM : (VERTICAL)	CONTR: MOVAY DRLG, RIG #7;	SPUD: 09/30/97, RIG REL:	11/19/97; 11800 TD, (APPROX) SI (LDIR 11/25/97)	
PENWELL ENERGY 1 HACKBERRY '31' STATE API 30-015-2952231-22S-26E 1980 FNL 660 FEL SEC (C 300157032697HAPPY VALLEY; 12000 MORROW, (FR 04/23/97MD) (ST APPD PMT: 04/16/97) OPER ADD: 600 N MARIENFELD. STE 1100, MIDLAND, TX, 79701 PHONE (915) 683-2534; EL: 3374 GR; LOCATION DATA: 6 MI SW CARLSBAD, NM; (VERTICAL)DCONTR: MCVAY DRLG, RIG #7;SPUD: 04/26/97, RIG REL: 06/12/97; 12000 TD, TITE (LDIR 08/01/97)3-22S-27E NV SW 1650 FSL 990 FWL SECWILDCAT; 11900 MORROW, (FR 03/25/98MD) OPER ADD: BOX 2107, ROSWELL, NM, 88202 PHONE (505) 623-1996; EL: 3127 GR; LOCATION DATA: 2 MI E CARLSBAD, NM.; 0/VERTICAL)WDLOC;WILDCAT; 11900 MORROW, (FR 03/25/98MD) OPER ADD: BOX 2107, ROSWELL, NM, 88202 PHONE (505) 623-1996; EL: 3127 GR; LOCATION DATA: 2 MI E CARLSBAD, NM. 50 MI N/3417 (DLWR) OIL PROD IN ESPERANZA FIELD : (VERTICAL)WDCONTR: WE K DRLG, RIG #4;SPUD: 03/24/98, CSG: 13 3/8 (429 W/400 SK; DRLG 5195 (LDIR 04/08/98)WDPENWELL ENERGY 1 INDIAN DRAW '12' FEDERAL API 30-015-3005212-22S-27E NE SE ISO FSL 890 FEL SECCARLSBAD SOUTH; 12300 MORROW, (FR 11/20/97MD) (ST APPD PMT: 01/20/98) OPER ADD: 600 N MARIENFELD STE 1100, MIDLAND, TX, 79701 PHONE (915) 683-514; EL: 3130 GR; LOCATION DATA: 2 MI E CARLSBAD, NM.; (VERTICAL)DCONTR: WE K DRLG, RIG #4;SPUD: 03/24/98, CSG: 113 3/8 (929 W/400 SK; DRLG 5195 (LDIR 04/08/98)DPENWELL ENERGY 1 INDIAN DRAW '12' FEDERAL API 30-015-3005212-22S-27E NE SE ROSU L860 FEL SEC IC 300157075197CARLSBAD SOUTH; 12300 MORROW, (FR 05/28/96MD) (ST APPD PMT: 01/20/98) OPER ADD: 600 N MARIENFELD STE 1100, MIDLAND, TX, 79701 PHONE (915) 683-534; EL: 3130 GR; LOCATION DATA: 6 MI SE IC 300157075197DTEXACO EXPL & P	1 HACKBERRY '29' FEDERAL	1650 FSL 660 FEL SEC	02/19/97) OPER ADD: 600 N MARIENFELD, STE 1100, MIDLAND, TX, 79701 PHONE (915) 683-2534; EL: 3338 GR; LOCATION DATA: 1 MI S CARLSBAD,	D
1 HACKBERRY '31' STATE 1980 FNL 660 FEL SEC 04/16/97) OPER ADD: 600 N MARIENFELD, STE 1100, MIDLAND, TX, 79701 API 30-015-29522 13 30157032697 04/16/97) OPER ADD: 600 N MARIENFELD, STE 1100, MIDLAND, TX, 79701 CONTR: MCVAY DRLG, RIG #7;SPUD: 04/26/97, RIG REL: 06/12/97; 12000 TD, TITE (LDIR 08/01/97) WILDCAT; 11900 MORROW, (FR 03/25/98MD) OPER ADD: BOX 2107, WD 2 ESPERANZA STATE 3-22S-27E NW SW WILDCAT; 11900 MORROW, (FR 03/25/98MD) OPER ADD: BOX 2107, WD 1 C 30-015-70158-98 1650 FSL 990 FWL SEC WILDCAT; 11900 MORROW, (FR 03/25/98MD) OPER ADD: BOX 2107, WD 1 ESPERANZA STATE 55 SE WILDCAT; 11900 MORROW, (FR 03/25/98MD) OPER ADD: BOX 2107, WD 1 ESPERANZA STATE 55 SE	CONTR: WEKDRLG, RIG #3;	SPUD: 09/18/97, 4990 TE), TITE (LDIR 10/13/97)	
MANZANO OIL 2 ESPERANZA STATE IC 30-015-70158-98 3-22S-27E NW SW 1650 FSL 990 FWL SEC WILDCAT; 11900 MORROW, (FR 03/25/98MD) OPER ADD: BOX 2107, NOSWELL, NM, 88202 PHONE (505) 623-1996; EL: 3127 GR; LOCATION DATA: 2 MI E CARLSBAD, NM. 50 MI N/3417 (DLWR) OIL PROD IN ESPERANZA FIELD ; (VERTICAL) WD LOC; MANZANO OIL 1 ESPERANZA STATE IC 30-015-70159-98 4-22S-27E SE SE 660 FSL 990 FEL SEC WILDCAT; 11900 MORROW, (FR 03/25/98MD) OPER ADD: BOX 2107, ROSWELL, NM, 88202 PHONE (505) 623-1996; LOCATION DATA: 2 MI E CARLSBAD, NM.75 MI NW/3417 (DLWR) OIL PROD IS ESPERANZA FIELD ; (VERTICAL) WD I ESPERANZA STATE IC 30-015-70159-98 SE SE 660 FSL 990 FEL SEC WILDCAT; 11900 MORROW, (FR 03/25/98MD) OPER ADD: BOX 2107, ROSWELL, NM, 88202 PHONE (505) 623-1996; LOCATION DATA: 2 MI E CARLSBAD, NM.75 MI NW/3417 (DLWR) OIL PROD IS ESPERANZA FIELD ; (VERTICAL) WD PENWELL ENERGY 1 INDIAN DRAW '12' FEDERAL API 30-015-30052 12-22S-27E N8 SE CARLSBAD SOUTH; 12300 MORROW, (FR 11/20/97MD) (ST APPD PMT: 1800 FSL 660 FEL SEC IC 300157075197 D CONTR: PETERSON DRLG, RIG #5;SPUD: 02/15/98, RIG BEL: 03/28/98; 12300 TD, TITE (LDIR 03/30/98) D TEXACO EXPL & PROD 11 NEFF '13' FEDERAL API 30-015-20582 13-22S-31E 1839 FNL 2121 FEL SEC I 3030 FNL 2121 FEL SEC I 3030 FOI ESOS LIVINGSTON RIDGE; 8550 DELAWARE, (FR 05/28/96MD) (ST APPD PMTI: 04/23/97) OPER ADD: BOX 3109, MIDLAND, TX, 79702 PHONE (915) 688-4100; EL: 3951 GR; LOCATION DATA: 32 MI NE CARLSBAD, NM ; (VERTICAL) D	1 HACKBERRY '31' STATE API 30-015-29522	1980 FNL 660 FEL SEC IC 300157032697	04/16/97) OPER ADD: 600 N MARIENFELD, STE 1100, MIDLAND, TX, 79701 PHONE (915) 683-2534; EL: 3374 GR; LOCATION DATA: 6 MI SW CARLSBAD, NM ; (VERTICAL)	D
2 ESPERANZA STATE IC 30-015-70158-98 NW SW 1650 FSL 990 FWL SEC NOSWELL, NM, 88202 PHONE (505) 623-1996; EL: 3127 GR; LOCATION DATA: 2 MI E CARLSBAD, NM .50 MI N/3417 (DLWR) OIL PROD IN ESPERANZA FIELD ; (VERTICAL) LOC; 4-22S-27E WILDCAT; 11900 MORROW, (FR 03/25/98MD) OPER ADD: BOX 2107, G60 FSL 990 FEL SEC WD I ESPERANZA STATE IC 30-015-70159-98 5E SE 660 FSL 990 FEL SEC WILDCAT; 11900 MORROW, (FR 03/25/98MD) OPER ADD: BOX 2107, ROSWELL, NM, 88202 PHONE (505) 623-1996; LOCATION DATA: 2 MI E CARLSBAD, NM .75 MI NW/3417 (DLWR) OIL PROD IS ESPERANZA FIELD ; (VERTICAL) WD I CONTR: W E K DRLG, RIG #4;SPUD: 03/24/98, CSG: 13 3/8 @ 429 W/400 SX; DRLG 5195 (LDIR 04/08/98) CARLSBAD SOUTH; 12300 MORROW, (FR 11/20/97MD) (ST APPD PMT: NE SE 1800 FSL 660 FEL SEC IC 300157075197 D 1 INDIAN DRAW '12' FEDERAL API 30-015-30052 12-22S-27E NE SE 1800 FSL 660 FEL SEC IC 300157075197 CARLSBAD SOUTH; 12300 MORROW, (FR 11/20/97MD) (ST APPD PMT: D 01/20/98) OPER ADD: 600 N MARIENFELD STE 1100, MIDLAND, TX, 79701 PHONE (915) 683-2534; EL: 3130 GR; LOCATION DATA: 6 MI SE CARLSBAD, NM ; (VERTICAL) D TEXACO EXPL & PROD 11 NEFF '13' FEDERAL API 30-015-29582 13-22S-31E 1839 FNL 2121 FEL SEC IC 300157021596 LIVINGSTON RIDGE; 8550 DELAWARE, (FR 05/28/96MD) (ST APPD PMT: D 04/23/97) OPER ADD: BOX 3109, MIDLAND, TX, 79702 PHONE (915) 688-4100; EL: 3591 GR; LOCATION DATA: 32 MI NE CARLSBAD, NM ; (VERTICAL) D	CONTR: MCVAY DRLG, RIG #7;	SPUD: 04/26/97, RIG REL:	06/12/97; 12000 TD, TITE (LDIR 08/01/97)	
MANZANO O!L 1 ESPERANZA STATE IC 30-015-70159-984-22S-27E SE SE 660 FSL 990 FEL SECWILDCAT; 11900 MORROW, (FR 03/25/98MD) OPER ADD: BOX 2107, ROSWELL, NM, 88202 PHONE (505) 623-1996; LOCATION DATA: 2 MI E CARLSBAD. NM. 75 MI NW/3417 (DLWR) OIL PROD IS ESPERANZA FIELD ; (VERTICAL)WDI CONTR: W E K DRLG, RIG #4;SPUD: 03/24/98, CSG: 13 3/8 @ 429 W/400 SX; DRLG 5195 (LDIR 04/08/98)012 PROD IS ESPERANZA FIELD ; (VERTICAL)DPENWELL ENERGY 1 INDIAN DRAW '12' FEDERAL API 30-015-3005212-22S-27E NE SE 1800 FSL 660 FEL SEC C 300157075197CARLSBAD SOUTH; 12300 MORROW, (FR 11/20/97MD) (ST APPD PMT: 01/20/98) OPER ADD: 600 N MARIENFELD STE 1100, MIDLAND, TX, 79701 PHONE (915) 683-2534; EL: 3130 GR; LOCATION DATA: 6 MI SE CARLSBAD, NM ; (VERTICAL)DTEXACO EXPL & PROD 11 NEFF '13' FEDERAL API 30-015-2958213-22S-31E 139 FNL 2121 FEL SEC I 309 FNL 2121 FEL SEC IC 300157021596LIVINGSTON RIDGE; 8550 DELAWARE, (FR 05/28/96MD) (ST APPD PMT: 04/23/97) OPER ADD: BOX 3109, MIDLAND, TX, 79702 PHONE (915) 688-4100; EL: 3591 GR; LOCATION DATA: 32 MI NE CARLSBAD, NM ; (VERTICAL)D	2 ESPERANZA STATE	NW SW	ROSWELL, NM, 88202 PHONE (505) 623-1996; EL: 3127 GR; LOCATION DATA: 2 MI E CARLSBAD, NM .50 MI N/3417 (DLWR) OIL PROD IN	WD
1 ESPERANZA STATE SE SE ROSWELL, NM, 88202 PHONE (505) 623-1996; LOCATION DATA: 2 MI E 1C 30-015-70159-98 660 FSL 990 FEL SEC CARLSBAD, NM .75 MI NW/3417 (DLWR) OIL PROD IS ESPERANZA FIELD ; (VERTICAL) (VERTICAL) Image: Contrewer of the second sec	LOC;			
Image: Contrasting with the kinet of th	1 ESPERANZA STATE	SE SE	ROSWELL, NM, 88202 PHONE (505) 623-1996; LOCATION DATA: 2 MI E CARLSBAD, NM .75 MI NW/3417 (DLWR) OIL PROD IS ESPERANZA	WD
1 INDIAN DRAW '12' FEDERAL NE SE 01/20/98) OPER ADD: 600 N MARIENFELD STE 1100, MIDLAND, TX, 79701 API 30-015-30052 1800 FSL 660 FEL SEC 1800 FSL 660 FEL SEC PHONE (915) 683-2534; EL: 3130 GR; LOCATION DATA: 6 MI SE CONTR: PETERSON DRLG, RIG #5;SPUD: 02/15/98, RIG REL: 03/28/98; 12300 TD, TITE (LDIR 03/30/98) CARLSBAD, NM ; (VERTICAL) TEXACO EXPL & PROD 13-22S-31E LIVINGSTON RIDGE; 8550 DELAWARE, (FR 05/28/96MD) (ST APPD PMT: 04/23/97) OPER ADD: BOX 3109, MIDLAND, TX, 79702 PHONE (915) 688-4100; D 11 NEFF '13' FEDERAL 1839 FNL 2121 FEL SEC 04/23/97) OPER ADD: BOX 3109, MIDLAND, TX, 79702 PHONE (915) 688-4100; D API 30-015-29582 IC 300157021596 EL: 3591 GR; LOCATION DATA: 32 MI NE CARLSBAD, NM ; (VERTICAL) EL: 3591 GR; LOCATION DATA: 32 MI NE CARLSBAD, NM ; (VERTICAL)	CONTR: WEKDRLG, RIG #4;	SPUD: 03/24/98, CSG: 13 3/		
TEXACO EXPL & PROD 13-22S-31E LIVINGSTON RIDGE; 8550 DELAWARE, (FR 05/28/96MD) (ST APPD PMT: D 11 NEFF '13' FEDERAL 1839 FNL 2121 FEL SEC 04/23/97) OPER ADD: BOX 3109, MIDLAND, TX, 79702 PHONE (915) 688-4100; D API 30-015-29582 IC 300157021596 EL: 3591 GR; LOCATION DATA: 32 MI NE CARLSBAD, NM ; (VERTICAL) VERTICAL	1 INDIAN DRAW '12' FEDERAL API 30-015-30052	NE SE 1800 FSL 660 FEL SEC IC 300157075197	01/20/98) OPER ADD: 600 N MARIENFELD STE 1100, MIDLAND, TX, 79701 PHONE (915) 683-2534; EL: 3130 GR; LOCATION DATA: 6 MI SE CARLSBAD, NM ; (VERTICAL)	D
11 NEFF '13' FEDERAL 1839 FNL 2121 FEL SEC 04/23/97) OPER ADD: BOX 3109, MIDLAND, TX, 79702 PHONE (915) 688-4100; API 30-015-29582 IC 300157021596 EL: 3591 GR; LOCATION DATA: 32 MI NE CARLSBAD, NM ; (VERTICAL)	CONTR: PETERSON DRLG, RIG	#5;SPUD: 02/15/98, RIG R	EL: 03/28/98; 12300 TD, TITE (LDIR 03/30/98)	
	11 NEFF '13' FEDERAL API 30-015-29582	1839 FNL 2121 FEL SEC IC 300157021596	04/23/97) OPER ADD: BOX 3109, MIDLAND, TX, 79702 PHONE (915) 688-4100; EL: 3591 GR; LOCATION DATA: 32 MI NE CARLSBAD, NM ; (VERTICAL)	D