| n 3160-3 (July 1992)   |  | NITED STATES  |  |  |  |  |          |  |
|--|--|---|--|--|--|--|----------|--|
| ey E, Yates Company  | U<br>DEPARTM<br>BUREAU   |   | 5. LEASE DESIGNATION AND SERIAL NO.<br>NM-103883   |  |  |  |          |  |
| API  | PLICATION FOR  | 6. IF INDIAN, ALLOTEE   | 6. IF INDIAN, ALLOTEE OR TRIBE NAME  |  |  |  |          |  |
| TYPE OF WORK   |  |   |  |  | 7. UNIT AGREEMENT N  | AME  |          |  |
| TYPE OF WELL   |  |   |  |  |  | NA BOAT 4 FED  |          |  |
| OIL  |  |   |  |  | 3. FARM OR LEASE NAME, WELL NO. #1   |  |          |  |
| WELL X   |  |   |  |  | 9. API WELL NO.  | 35036  |          |  |
| RVEY E. YATES COMPAN   | Υ  |   |  |  | 50-022   |  |          |  |
| DDRESS AND TELEPHONE NO.   |  |   |  |  | 10. FIELD AND POOL, C  | N MIGUEL YATES-SEVEN RIVE  | RS () P  |  |
| ). BOX 1933, ROSWELL, N  | IEW MEXICO 88202 505-62  | 23-6601<br>DROANCE WITH ANY STATE REQUI   | REMENTS  |  | 11. SEC., T., K., M., OR   |  | ,        |  |
| DEATION OF WELL (REPORT LC   |  | 1980' FWL   |  |  | AND SURVEY OR A  |  |          |  |
| T PROPOSED PROD. ZONE  | SAME   | (K)   | K) result of solution  |  |  | SEC 4, T20S, R33E           12 COUNTY OR PARISH         13. STATE           LEA         NM |          |  |
| DISTANCE IN MILES AND DIREC  | TION FROM NEAREST TOWN OR  | POST OFFICE   |  |  |  |  |          |  |
|  | 20 MILES NE OF CARLS   |   | 16. NO. OF ACRES IN LEASE  |  | . NO. OF ACRES ASSIGNED  |  | <u>.</u> |  |
| DISTANCE FROM PROPOSED   |  |   | 16. NO. OF ACRES IN LEASE  |  | TO THIS WELL   |  |          |  |
| LOCATION TO NEAREST<br>PROPERTY OR LEASE LINE, FT  |  |   |  |  |  |  |          |  |
| (Also to nearest drig, unit line, if   |  | 1650'   | 40   |  |  | 40   |          |  |
| DISTANCE FROM PROPOSED L   |  |   | 19. PROPOSED DEPTH   | 2  | . ROTARY OR CABLE TOOL   | 5  |          |  |
| TO NEAREST WELL DRILLING,  |  | NONE  | 3525   |  |  | DTARY  |          |  |
| ELEVATIONS (Show whether DF  |  |   |  |  | APPROX. DATE WOR   | K WILL START<br>20-Jun-00  |          |  |
| 3560 (GR)  |  | PROPOSED CASING   | AND CEMENTING PROGRA   |  |  | 20-3411-00   | _        |  |
|  |  |   |  |  |  |  |          |  |
| SIZE OF HOLE   | GRADE. SIZE OF CASING  | WT PER FT   | SETTING DEPTH  | 1900 SX "C" w/ 3   | QUANTITY   | ALWIINESS  |          |  |
|  | 8 5/8" J-55<br>4 1/2" J-55   | 32# ST&C 8RD<br>10.5 & 11.6#  | 3,525'   |  | 2% CACL & 1/4# FLOSE   |  |          |  |
| 12 1/4"  |  |   |  |  |  |  |          |  |
| 7 7/8"<br>0<br>LL CASING WILL BE NEW<br>EMENT WILL BE CIRCULA<br>EMENT QUANTITIES AND<br>FILLER CEMENT 35/65 "C"   | , OR USED MEETING BLM<br>ATED ON 13 3/8" AND 8 5/8"<br>ADDITIVES ARE SUBJECT<br>" POZ w/ 6% GEL, 5# SALT,  | CASING.   | CONDITIONS.  | APITAN C   | ang  | MATER BASIN  |          |  |
| 7 7/8"<br>0<br>LL CASING WILL BE NEW<br>EMENT WILL BE CIRCULA<br>EMENT QUANTITIES AND<br>FILLER CEMENT 35/65 "C"   | , OR USED MEETING BLM<br>ATED ON 13 3/8" AND 8 5/8"<br>ADDITIVES ARE SUBJECT<br>" POZ w/ 6% GEL, 5# SALT,  | SPECS.<br>CASING.<br>TO CHANGE DUE TO HOLE<br>& 1/4# FLOSEAL<br>TOGNER/PAUL KAUTZ W/ H  | CONDITIONS.  |  |  | MATER BASIN  |          |  |
| 7 7/8"<br>0<br>LL CASING WILL BE NEW<br>EMENT WILL BE CIRCULA<br>EMENT QUANTITIES AND<br>FILLER CEMENT 35/65 "C"<br>XCEPTION TO SALT STRIP   | , OR USED MEETING BLM<br>ATED ON 13 3/8" AND 8 5/8"<br>ADDITIVES ARE SUBJECT<br>" POZ W/ 6% GEL, 5# SALT,<br>NG APPROVED BY MIKE S   | SPECS.<br>CASING.<br>TO CHANGE DUE TO HOLE<br>& 1/4# FLOSEAL<br>TOGNER/PAUL KAUTZ W/ H  | CONDITIONS.<br>OBBS OCD<br>PROPOSED MUD PROGRAM  |  |  | ) MATER BASIN  |          |  |
| 7 7/8"<br>0<br>LL CASING WILL BE NEW<br>EMENT WILL BE CIRCULA<br>EMENT QUANTITIES AND<br>FILLER CEMENT 35/65 "C"<br>XCEPTION TO SALT STRIP<br>0-1250   | , OR USED MEETING BLM<br>ATED ON 13 3/8" AND 8 5/8"<br>ADDITIVES ARE SUBJECT<br>" POZ w/ 6% GEL, 5# SALT,<br>NG APPROVED BY MIKE S<br>FRESH WATER w/ PAP   | SPECS.<br>* CASING.<br>T TO CHANGE DUE TO HOLE<br>& 1/4# FLOSEAL<br>TOGNER/PAUL KAUTZ W/ H<br>F<br>F<br>ER & SHALE GUARD. MW-9.   | CONDITIONS.<br>OBBS OCD<br>PROPOSED MUD PROGRA   | M  |  | ) WATER BASIN  |          |  |
| 7 7/8"<br>0<br>LL CASING WILL BE NEW<br>EMENT WILL BE CIRCULA<br>EMENT QUANTITIES AND<br>FILLER CEMENT 35/65 "C"<br>XCEPTION TO SALT STRIP   | , OR USED MEETING BLM<br>ATED ON 13 3/8" AND 8 5/8"<br>ADDITIVES ARE SUBJECT<br>" POZ w/ 6% GEL, 5# SALT,<br>NG APPROVED BY MIKE S<br>FRESH WATER w/ PAP   | SPECS.<br>CASING.<br>TO CHANGE DUE TO HOLE<br>& 1/4# FLOSEAL<br>TOGNER/PAUL KAUTZ W/ H  | CONDITIONS.<br>OBBS OCD<br>PROPOSED MUD PROGRA   | M  |  | ) WATER BASIN  |          |  |
| 7 7/8"<br>0<br>LL CASING WILL BE NEW<br>EMENT WILL BE CIRCULA<br>EMENT QUANTITIES AND<br>FILLER CEMENT 35/65 "C"<br>XCEPTION TO SALT STRIP<br>0-1250<br>1250-3525  | , OR USED MEETING BLM<br>ATED ON 13 3/8" AND 8 5/8"<br>ADDITIVES ARE SUBJECT<br>" POZ w/ 6% GEL, 5# SALT,<br>NG APPROVED BY MIKE S<br>FRESH WATER w/ PAP<br>BRINE WATER w/ PAP   | SPECS.  | CONDITIONS.<br>OBBS OCD<br>PROPOSED MUD PROGRA   | M  |  | MATER BASIN  |          |  |
| 7 7/8"<br>0<br>LL CASING WILL BE NEW<br>EMENT WILL BE CIRCULA<br>EMENT QUANTITIES AND<br>FILLER CEMENT 35/65 "C"<br>XCEPTION TO SALT STRIP<br>0-1250<br>1250-3525  | , OR USED MEETING BLM<br>ATED ON 13 3/8" AND 8 5/8"<br>ADDITIVES ARE SUBJECT<br>" POZ w/ 6% GEL, 5# SALT,<br>NG APPROVED BY MIKE S<br>FRESH WATER w/ PAP<br>BRINE WATER w/ PAP<br>BRINE WATER w/ PAP   | SPECS.<br>CASING.<br>TO CHANGE DUE TO HOLE<br>& 1/4# FLOSEAL<br>TOGNER/PAUL KAUTZ W/ H<br>F<br>ER & SHALE GUARD. MW-9.<br>ER, SHALE GUARD, & AMMC<br>DITIONS  | CONDITIONS.<br>OBBS OCD<br>PROPOSED MUD PROGRA<br>0 VIS-31<br>DNIA NITRATE. MW-10.0 V  | M<br>/IS-31  |  | ) WATER BASIN  |          |  |
| 7 7/8"<br>0<br>LL CASING WILL BE NEW<br>EMENT WILL BE CIRCULA<br>EMENT QUANTITIES AND<br>FILLER CEMENT 35/65 "C"<br>XCEPTION TO SALT STRIP<br>0-1250<br>1250-3525  | , OR USED MEETING BLM<br>ATED ON 13 3/8" AND 8 5/8"<br>ADDITIVES ARE SUBJECT<br>" POZ w/ 6% GEL, 5# SALT,<br>NG APPROVED BY MIKE S<br>FRESH WATER w/ PAP<br>BRINE WATER w/ PAP<br>CHANGE DUE TO HOLE CON   | SPECS.<br>CASING.<br>TO CHANGE DUE TO HOLE<br>& 1/4# FLOSEAL<br>TOGNER/PAUL KAUTZ W/ H<br>F<br>ER & SHALE GUARD. MW-9.<br>ER, SHALE GUARD, & AMMC<br>DITIONS<br>b to deepen, give data on present P   | CONDITIONS.<br>OBBS OCD<br>PROPOSED MUD PROGRA<br>0 VIS-31<br>DNIA NITRATE. MW-10.0 V  | M<br>/IS-31<br>w productive zone. # pro  |  | OATER BASIN  |          |  |
| 7 7/8"<br>0<br>LL CASING WILL BE NEW<br>EMENT WILL BE CIRCULA<br>EMENT QUANTITIES AND<br>FILLER CEMENT 35/65 "C"<br>XCEPTION TO SALT STRIP<br>0-1250<br>1250-3525<br>UD PROGRAM SUBJECT TO<br>I ABOVE SPACE DESCRIBE PRO<br>eepen directionally. give pertimer<br>4.   | , OR USED MEETING BLM<br>ATED ON 13 3/8" AND 8 5/8"<br>ADDITIVES ARE SUBJECT<br>" POZ w/ 6% GEL, 5# SALT,<br>NG APPROVED BY MIKE S<br>FRESH WATER w/ PAP<br>BRINE WATER w/ PAP<br>CHANGE DUE TO HOLE CON   | SPECS.<br>CASING.<br>TO CHANGE DUE TO HOLE<br>& 1/4# FLOSEAL<br>TOGNER/PAUL KAUTZ W/ H<br>F<br>ER & SHALE GUARD. MW-9.<br>ER, SHALE GUARD, & AMMC<br>DITIONS  | CONDITIONS.<br>OBBS OCD<br>PROPOSED MUD PROGRA<br>0 VIS-31<br>DNIA NITRATE. MW-10.0 V<br>roductive zone and proposed ne<br>ths. Give blowout preventer pro   | M<br>/IS-31<br>w productive zone. # pro  |  | 3/16/2000  |          |  |
| 7 7/8"<br>0<br>LL CASING WILL BE NEW<br>EMENT WILL BE CIRCULA<br>EMENT QUANTITIES AND<br>FILLER CEMENT 35/65 "C"<br>XCEPTION TO SALT STRIP<br>0-1250<br>1250-3525<br>100 PROGRAM SUBJECT TO<br>HABOVE SPACE DESCRIBE PRO<br>cepen directionally, give pertinent  | , OR USED MEETING BLM<br>ATED ON 13 3/8" AND 8 5/8"<br>ADDITIVES ARE SUBJECT<br>" POZ w/ 6% GEL, 5# SALT,<br>NG APPROVED BY MIKE S<br>FRESH WATER w/ PAP<br>BRINE WATER w/ PAP<br>CHANGE DUE TO HOLE CON   | SPECS.<br>CASING.<br>TO CHANGE DUE TO HOLE<br>& 1/4# FLOSEAL<br>TOGNER/PAUL KAUTZ W/ H<br>F<br>ER & SHALE GUARD. MW-9.<br>ER, SHALE GUARD, & AMMC<br>DITIONS<br>to deepen, give data on present p<br>and measured and true vertical dep   | CONDITIONS.<br>OBBS OCD<br>PROPOSED MUD PROGRA<br>0 VIS-31<br>DNIA NITRATE. MW-10.0 V<br>roductive zone and proposed ne<br>ths. Give blowout preventer pro   | M<br>/IS-31<br>w productive zone. If pro<br>gram, if any.  | oposal is to driff or  |  |          |  |
| 7 7/8"<br>0<br>LL CASING WILL BE NEW<br>EMENT WILL BE CIRCULA<br>EMENT QUANTITIES AND<br>FILLER CEMENT 35/65 "C"<br>XCEPTION TO SALT STRIP<br>0-1250<br>1250-3525<br>UD PROGRAM SUBJECT TO<br>HABOVE SPACE DESCRIBE PRO<br>eepen directionally, give pertiment<br>4.<br>SIGNED   | , OR USED MEETING BLM<br>ATED ON 13 3/8" AND 8 5/8"<br>ADDITIVES ARE SUBJECT<br>" POZ w/ 6% GEL, 5# SALT,<br>NG APPROVED BY MIKE S<br>FRESH WATER w/ PAP<br>BRINE WATER w/ PAP<br>BRINE WATER w/ PAP<br>CHANGE DUE TO HOLE CON<br>OCHANGE DUE TO HOLE CON<br>DOCED PROGRAM: # proposal is<br>and data on subsurface locations of<br>Without State OFFICE USE).   | SPECS. CASING. CASING. CASING. CASING. COMPANDEDUE TO HOLE & 1/4# FLOSEAL TOGNER/PAUL KAUTZ W/ H FER & SHALE GUARD. KAUTZ W/ H FER & SHALE GUARD. & AMMC DITIONS b to deepen, give data on present p and measured and true vertical dep Bob Williams  | CONDITIONS.<br>OBBS OCD<br>PROPOSED MUD PROGRA<br>0 VIS-31<br>DNIA NITRATE. MW-10.0 V<br>roductive zone and proposed ne<br>ths. Give blowout preventer pro   | M<br>/IS-31<br>w productive zone. If pro<br>gram, if any.  | oposal is to driff or  |  |          |  |
| 7 7/8"<br>0<br>LL CASING WILL BE NEW<br>EMENT WILL BE CIRCULA<br>EMENT QUANTITIES AND<br>FILLER CEMENT 35/65 "C"<br>XCEPTION TO SALT STRIP<br>0-1250<br>1250-3525<br>100 PROGRAM SUBJECT TO<br>HABOVE SPACE DESCRIBE PRO<br>cepen directionally, give pertimer<br>4.<br>SIGNED   | , OR USED MEETING BLM<br>ATED ON 13 3/8" AND 8 5/8"<br>ADDITIVES ARE SUBJECT<br>" POZ w/ 6% GEL, 5# SALT,<br>NG APPROVED BY MIKE S<br>FRESH WATER w/ PAP<br>BRINE WATER w/ PAP<br>BRINE WATER w/ PAP<br>CHANGE DUE TO HOLE CON<br>OCHANGE DUE TO HOLE CON<br>DOCED PROGRAM: # proposal is<br>and data on subsurface locations of<br>Without State OFFICE USE).   | SPECS.<br>CASING.<br>TO CHANGE DUE TO HOLE<br>& 1/4# FLOSEAL<br>TOGNER/PAUL KAUTZ W/ H<br>F<br>ER & SHALE GUARD. MW-9.<br>ER, SHALE GUARD, & AMMC<br>DITIONS<br>to deepen, give data on present p<br>and measured and true vertical dep<br>Bob Williams   | CONDITIONS.<br>OBBS OCD<br>PROPOSED MUD PROGRA<br>0 VIS-31<br>DNIA NITRATE. MW-10.0 V<br>roductive zone and proposed ne<br>ths. Give blowout preventer pro   | M<br>/IS-31<br>w productive zone. If pro<br>gram, if any.  | oposal is to driff or  |  |          |  |
| 7 7/8"<br>0<br>LL CASING WILL BE NEW<br>EMENT WILL BE CIRCULA<br>EMENT QUANTITIES AND<br>FILLER CEMENT 35/65 "C"<br>XCEPTION TO SALT STRIP<br>0-1250<br>1250-3525<br>MUD PROGRAM SUBJECT TO<br>HABOVE SPACE DESCRIBE PRO<br>eepen directionally, give pertiment<br>4.<br>SIGNED  | , OR USED MEETING BLM<br>ATED ON 13 3/8" AND 8 5/8"<br>ADDITIVES ARE SUBJECT<br>" POZ W/ 6% GEL, 5# SALT,<br>NG APPROVED BY MIKE S<br>FRESH WATER W/ PAP<br>BRINE WATER W/ PAP<br>BRINE WATER W/ PAP<br>CHANGE DUE TO HOLE CON<br>OPOSED PROGRAM: # proposal is<br>int data on subsurface locations a  | SPECS.<br>CASING.<br>T CO CHANGE DUE TO HOLE<br>& 1/4# FLOSEAL<br>TOGNER/PAUL KAUTZ W/ H<br>F<br>ER & SHALE GUARD. MW-9.<br>ER, SHALE GUARD, & AMMC<br>DITIONS<br>b to deepen, give data on present p<br>and measured and true vertical dep<br>Bob Williams<br>W/ L.LIAMS<br>S, JF3   | CONDITIONS.<br>OBBS OCD<br>PROPOSED MUD PROGRA<br>0 VIS-31<br>DNIA NITRATE. MW-10.0 V<br>roductive zone and proposed ne<br>ths. Give blowout preventer pro<br>TITLE Drilling<br>APPROVAL DATE  | M<br>/IS-31<br>w productive zone. # pro<br>gram, # any.<br>Superintendent  | aposal is to drill or<br>DATE  |  |          |  |
| 7 7/8"<br>0<br>LL CASING WILL BE NEW<br>EMENT WILL BE CIRCULA<br>EMENT QUANTITIES AND<br>FILLER CEMENT 35/65 "C"<br>XCEPTION TO SALT STRIP<br>0-1250<br>1250-3525<br>TUD PROGRAM SUBJECT TO<br>HABOVE SPACE DESCRIBE PRO<br>cepen directionally, give pertinent<br>4.<br>SIGNED<br>THIS SPACE FOR FEDERAL OR SO<br>WILL STRIP<br>SIGNED<br>PROGRAM SUBJECT TO<br>ABOVE SPACE DESCRIBE PRO<br>CEPEN DIRECTION APPROVAL DOES NOT WARPAUL<br>PROGRAM SUBJECT TO<br>ABOVE SPACE FOR FEDERAL OR SO<br>WILL SPACE FOR FEDERAL OR SO<br>PERMIT NO.  | , OR USED MEETING BLM<br>ATED ON 13 3/8" AND 8 5/8"<br>ADDITIVES ARE SUBJECT<br>POZ W/ 6% GEL, 5# SALT,<br>NG APPROVED BY MIKE S<br>FRESH WATER W/ PAPE<br>BRINE WATER W/ PAPE<br>BRINE WATER W/ PAPE<br>CHANGE DUE TO HOLE CON<br>POSED PROGRAM: # proposal is<br>At the office USE).<br>STATE OFFICE USE).   | SPECS. CASING. CASING. CASING. CASING. COMPANDE DUE TO HOLE & 1/4# FLOSEAL TOGNER/PAUL KAUTZ W/ H FER & SHALE GUARD. KAUTZ W/ H FER & SHALE GUARD. & AMMC DITIONS at to deepen, give data on present p and measured and true vertical dep Bob Williams  | CONDITIONS.<br>COBBS OCD<br>PROPOSED MUD PROGRAM<br>0 VIS-31<br>NIA NITRATE. MW-10.0 V<br>roductive zone and proposed ne<br>ths. Give blowout preventer pro-<br>TITLE Drilling<br>APPROVAL DATE<br>IS IN THE SUBJECT LEASE WHICH WOULD EN  | M<br>"IS-31<br>w productive zone. # pro<br>gram, # any.<br>Superintendent  | pposal is to drift or DATE uct operations thereon  |  |          |  |
| 7 7/8"<br>0<br>LL CASING WILL BE NEW<br>EMENT WILL BE CIRCULA<br>EMENT QUANTITIES AND<br>FILLER CEMENT 35/65 "C"<br>XCEPTION TO SALT STRIP<br>0-1250<br>1250-3525<br>UD PROGRAM SUBJECT TO<br>HABOVE SPACE DESCRIBE PRO<br>cepen directionally, give pertiner<br>4.<br>SIGNED<br>THIS SPACE FOR FEDERAL OR S<br>OFFICIATION APPROVAL DOES NOT WARRAN<br>CONDITIONS OF APPROVAL IF AI   | , OR USED MEETING BLM<br>ATED ON 13 3/8" AND 8 5/8"<br>ADDITIVES ARE SUBJECT<br>POZ W/ 6% GEL, 5# SALT,<br>NG APPROVED BY MIKE S<br>FRESH WATER W/ PAPE<br>BRINE WATER W/ PAPE<br>BRINE WATER W/ PAPE<br>CHANGE DUE TO HOLE CON<br>POSED PROGRAM: # proposal is<br>AT DR CERTIFY THAT THE APPLICANT HOLDS<br>NY:   | SPECS.<br>CASING.<br>T TO CHANGE DUE TO HOLE<br>& 1/4# FLOSEAL<br>TOGNER/PAUL KAUTZ W/ H<br>F<br>ER & SHALE GUARD. MW-9.<br>ER, SHALE GUARD. & AMMC<br>DITIONS<br>to deepen, give data on present p<br>and measured and true vertical dep<br>Bob Williams<br>VV: L.L.I.AMS<br>VV: L.L.I.AMS   | CONDITIONS.<br>COBBS OCD<br>PROPOSED MUD PROGRAM<br>0 VIS-31<br>NIA NITRATE. MW-10.0 V<br>roductive zone and proposed ne<br>ths. Give blowout preventer pro-<br>TITLE Drilling<br>APPROVAL DATE<br>IS IN THE SUBJECT LEASE WHICH WOULD EN  | M<br>/IS-31<br>w productive zone. # pro<br>gram, # any.<br>Superintendent  | pposal is to drift or DATE uct operations thereon  | 3/16/2000  |          |  |
| 7 7/8"<br>0<br>LL CASING WILL BE NEW<br>EMENT WILL BE CIRCULA<br>EMENT QUANTITIES AND<br>FILLER CEMENT 35/65 "C"<br>XCEPTION TO SALT STRIP<br>0-1250<br>1250-3525<br>UD PROGRAM SUBJECT TO<br>HABOVE SPACE DESCRIBE PRO<br>cepen directionally, give pertiner<br>4.<br>SIGNED<br>THIS SPACE FOR FEDERAL OR S<br>OFFICIATION APPROVAL DOES NOT WARRAN<br>CONDITIONS OF APPROVAL IF AI   | , OR USED MEETING BLM<br>ATED ON 13 3/8" AND 8 5/8"<br>ADDITIVES ARE SUBJECT<br>POZ W/ 6% GEL, 5# SALT,<br>NG APPROVED BY MIKE S<br>FRESH WATER W/ PAPE<br>BRINE WATER W/ PAPE<br>BRINE WATER W/ PAPE<br>CHANGE DUE TO HOLE CON<br>POSED PROGRAM: # proposal is<br>AT DR CERTIFY THAT THE APPLICANT HOLDS<br>NY:   | SPECS.<br>CASING.<br>T TO CHANGE DUE TO HOLE<br>& 1/4# FLOSEAL<br>TOGNER/PAUL KAUTZ W/ H<br>F<br>ER & SHALE GUARD. MW-9.<br>ER, SHALE GUARD. & AMMC<br>DITIONS<br>to deepen, give data on present p<br>and measured and true vertical dep<br>Bob Williams<br>VV: L.L.I.AMS<br>VV: L.L.I.AMS   | CONDITIONS.<br>COBBS OCD<br>PROPOSED MUD PROGRAM<br>0 VIS-31<br>NIA NITRATE. MW-10.0 V<br>roductive zone and proposed ne<br>ths. Give blowout preventer pro-<br>TITLE Drilling<br>APPROVAL DATE<br>IS IN THE SUBJECT LEASE WHICH WOULD EN  | M<br>"IS-31<br>w productive zone. # pro<br>gram, # any.<br>Superintendent  | Deposal is to drift or DATE UCT OPERATIONS THEREON DR  |  |          |  |
| 7 7/8"<br>0<br>LL CASING WILL BE NEW<br>EMENT WILL BE CIRCULA<br>EMENT QUANTITIES AND<br>FILLER CEMENT 35/65 "C"<br>XCEPTION TO SALT STRIP<br>0-1250<br>1250-3525<br>UD PROGRAM SUBJECT TO<br>HABOVE SPACE DESCRIBE PRO<br>eepen directionally, give perimer<br>4.<br>SIGNED<br>THIS SPACE FOR FEDERAL OR S<br>OTHER<br>SIGNED<br>PERMIT NO.<br>PERMIT | , OR USED MEETING BLM<br>ATED ON 13 3/8" AND 8 5/8"<br>ADDITIVES ARE SUBJECT<br>POZ W/ 6% GEL, 5# SALT,<br>NG APPROVED BY MIKE S<br>FRESH WATER W/ PAPE<br>BRINE WATER W/ PAPE<br>BRINE WATER W/ PAPE<br>CHANGE DUE TO HOLE CON<br>POSED PROGRAM: # proposal is<br>ADDITION THE APPLICANT HOLDS<br>STATE OFFICE USE).<br>IT DR CERTIFY THAT THE APPLICANT HOLDS<br>NY:<br>NG. SGD.) M. J.<br>1, MAKES IT A CRIME FOR AN<br>FICTITIOUS OR FRAUDULENT  | SPECS.<br>CASING.<br>TO CHANGE DUE TO HOLE<br>& 1/4# FLOSEAL<br>TOGNER/PAUL KAUTZ W/ H<br>F<br>ER & SHALE GUARD. MW-9.<br>ER, SHALE GUARD, & AMMC<br>DITIONS<br>It o deepen, give data on present p<br>and measured and true vertical dep<br>Bob Williams<br>WILLIAMS<br>SOUTH ON EQUITABLE TITLE TO THOSE FIGHT<br>CHÁVEZ<br>Y PERSONS KNOWINGLY AND N<br>T STATEMENTS OR REPRESEN | CONDITIONS.<br>COBBS OCD<br>COPOSED MUD PROGRAM<br>O VIS-31<br>DNIA NITRATE. MW-10.0 V<br>roductive zone and proposed ne<br>ths. Give blowout preventer pro-<br>TITLE Drilling<br>APPROVAL DATE<br>Son the SUBJECT LEASE WHICH WOULD EN<br>ST/<br>TITLE<br>MULFULLY TO MAKE TO ANY                               | M<br>IS-31<br>w productive zone. # pro<br>gram, # any.<br>Superintendent<br>ATE DIRECT(<br>DEPARTMENT OR AC<br>R WITHIN ITS JURISDIC | DATE<br>DATE<br>UCT OPERATIONS THEREON<br>DR<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE   | 3/16/2000<br>MAY 1 5 2000  |          |  |
| 7 7/8"<br>0<br>LL CASING WILL BE NEW<br>EMENT WILL BE CIRCULA<br>EMENT QUANTITIES AND<br>FILLER CEMENT 35/65 "C"<br>XCEPTION TO SALT STRIP<br>0-1250<br>1250-3525<br>UD PROGRAM SUBJECT TO<br>HABOVE SPACE DESCRIBE PRO<br>eepen directionally, give perimer<br>4.<br>SIGNED<br>THIS SPACE FOR FEDERAL OR S<br>DEFINITION OF APPROVAL DOES NOT WARDAN<br>CONDITIONS OF APPROVAL IF AU<br>CONDITIONS OF APPROVAL IF AU  | , OR USED MEETING BLM<br>ATED ON 13 3/8" AND 8 5/8"<br>ADDITIVES ARE SUBJECT<br>'POZ W/ 6% GEL, 5# SALT,<br>NG APPROVED BY MIKE S<br>FRESH WATER W/ PAPE<br>BRINE WATER            | SPECS.<br>CASING.<br>TO CHANGE DUE TO HOLE<br>& 1/4# FLOSEAL<br>TOGNER/PAUL KAUTZ W/ H<br>F<br>ER & SHALE GUARD. MW-9.<br>ER, SHALE GUARD. MW-9.<br>ER, SHALE GUARD. & AMMC<br>DITIONS<br>to deepen, give data on present p<br>and measured and true vertical dep<br>Bob Williams<br>WILLLIAMS<br>SUPERSONS KNOWINGLY AND V<br>T STATEMENTS OR REPRESEN<br>JBJECT TO                | ECONDITIONS.<br>COBBS OCD<br>PROPOSED MUD PROGRAM<br>O VIS-31<br>DNIA NITRATE. MW-10.0 V<br>roductive zone and proposed ne<br>ths. Give blowout preventer pro-<br>TITLE Drilling<br>APPROVAL DATE<br>IN THE SUBJECT LEASE WHICH WOULD EN<br>ST/<br>TITLE<br>MILLFULLY TO MAKE TO ANY<br>TATIONS AS TO ANY MATTER | M<br>IS-31<br>w productive zone. # pro<br>gram, # any.<br>Superintendent<br>ATE DIRECT(<br>DEPARTMENT OR AC<br>R WITHIN ITS JURISDIC | aposal is to drift or DATE uct operations thereon. DR DATE SENCY OF THE  | 3/16/2000<br>MAY 1 5 2000  |          |  |
| 7 7/8"<br>0<br>LL CASING WILL BE NEW<br>EMENT WILL BE CIRCULA<br>EMENT QUANTITIES AND<br>FILLER CEMENT 35/65 "C"<br>XCEPTION TO SALT STRIP<br>0-1250<br>1250-3525<br>UD PROGRAM SUBJECT TO<br>HABOVE SPACE DESCRIBE PRO<br>eepen directionally, give perimer<br>4.<br>SIGNED<br>THIS SPACE FOR FEDERAL OR S<br>DEFINITION OF APPROVAL DOES NOT WARDAN<br>CONDITIONS OF APPROVAL IF AU<br>CONDITIONS OF APPROVAL IF AU  | ADDITIVES ARE SUBJECTING BLM<br>ATED ON 13 3/8" AND 8 5/8"<br>ADDITIVES ARE SUBJECT<br>POZ W/ 6% GEL, 5# SALT,<br>NG APPROVED BY MIKE S<br>FRESH WATER W/ PAPE<br>BRINE            | SPECS.<br>CASING.<br>TO CHANGE DUE TO HOLE<br>& 1/4# FLOSEAL<br>TOGNER/PAUL KAUTZ W/ H<br>F<br>ER & SHALE GUARD. MW-9.<br>ER, SHALE GUARD. & AMMC<br>DITTONS<br>to deepen, give data on present p<br>and measured and true vertical dep<br>Bob Williams<br>WILLIAMS<br>SAUT<br>CHÁVEZ<br>Y PERSONS KNOWINGLY AND A<br>T STATEMENTS OR REPRESEN<br>JBJECT TO<br>CUREMENTS A          | ECONDITIONS.<br>COBBS OCD<br>PROPOSED MUD PROGRAM<br>O VIS-31<br>DNIA NITRATE. MW-10.0 V<br>roductive zone and proposed ne<br>ths. Give blowout preventer pro-<br>TITLE Drilling<br>APPROVAL DATE<br>IN THE SUBJECT LEASE WHICH WOULD EN<br>ST/<br>TITLE<br>MILLFULLY TO MAKE TO ANY<br>TATIONS AS TO ANY MATTER | M<br>IS-31<br>w productive zone. # pro<br>gram, # any.<br>Superintendent<br>ATE DIRECT(<br>DEPARTMENT OR AC<br>R WITHIN ITS JURISDIC | DATE<br>DATE<br>UCT OPERATIONS THEREON<br>DR<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE   | 3/16/2000<br>MAY 1 5 2000  |          |  |
| 7 7/8"<br>0<br>LL CASING WILL BE NEW<br>EMENT WILL BE CIRCULA<br>EMENT QUANTITIES AND<br>FILLER CEMENT 35/65 "C"<br>XCEPTION TO SALT STRIP<br>0-1250<br>1250-3525<br>UD PROGRAM SUBJECT TO<br>HABOVE SPACE DESCRIBE PRO<br>eepen directionally, give perimer<br>4.<br>SIGNED<br>THIS SPACE FOR FEDERAL OR S<br>DEFINITION OF APPROVAL DOES NOT WARDAN<br>CONDITIONS OF APPROVAL IF AU<br>CONDITIONS OF APPROVAL IF AU  | ADDITIVES ARE SUBJECTING BLM<br>ATED ON 13 3/8" AND 8 5/8"<br>ADDITIVES ARE SUBJECT<br>POZ W/ 6% GEL, 5# SALT,<br>NG APPROVED BY MIKE S<br>FRESH WATER W/ PAPE<br>BRINE            | SPECS.<br>CASING.<br>TO CHANGE DUE TO HOLE<br>& 1/4# FLOSEAL<br>TOGNER/PAUL KAUTZ W/ H<br>F<br>ER & SHALE GUARD. MW-9.<br>ER, SHALE GUARD. & AMMC<br>DITTONS<br>to deepen, give data on present p<br>and measured and true vertical dep<br>Bob Williams<br>WILLIAMS<br>SAUT<br>CHÁVEZ<br>Y PERSONS KNOWINGLY AND A<br>T STATEMENTS OR REPRESEN<br>JBJECT TO<br>CUREMENTS A          | ECONDITIONS.<br>COBBS OCD<br>PROPOSED MUD PROGRAM<br>O VIS-31<br>DNIA NITRATE. MW-10.0 V<br>roductive zone and proposed ne<br>ths. Give blowout preventer pro-<br>TITLE Drilling<br>APPROVAL DATE<br>IN THE SUBJECT LEASE WHICH WOULD EN<br>ST/<br>TITLE<br>MILLFULLY TO MAKE TO ANY<br>TATIONS AS TO ANY MATTER | M<br>IS-31<br>w productive zone. # pro<br>gram, # any.<br>Superintendent<br>ATE DIRECT(<br>DEPARTMENT OR AC<br>R WITHIN ITS JURISDIC | DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE | 3/16/2000<br>MAY 1 5 2000  |          |  |
| 7 7/8"<br>0<br>LL CASING WILL BE NEW<br>EMENT WILL BE CIRCULA<br>EMENT QUANTITIES AND<br>FILLER CEMENT 35/65 "C"<br>XCEPTION TO SALT STRIP<br>0-1250<br>1250-3525<br>UD PROGRAM SUBJECT TO<br>HABOVE SPACE DESCRIBE PRO<br>eepen directionally, give perimer<br>4.<br>SIGNED<br>THIS SPACE FOR FEDERAL OR S<br>DEFINITION OF APPROVAL DOES NOT WARDAN<br>CONDITIONS OF APPROVAL IF AU<br>CONDITIONS OF APPROVAL IF AU  | , OR USED MEETING BLM<br>ATED ON 13 3/8" AND 8 5/8"<br>ADDITIVES ARE SUBJECT<br>POZ W/ 6% GEL, 5# SALT,<br>NG APPROVED BY MIKE S<br>FRESH WATER W/ PAP<br>BRINE WATER W/ PAP<br>BRIN | SPECS.<br>CASING.<br>TO CHANGE DUE TO HOLE<br>& 1/4# FLOSEAL<br>TOGNER/PAUL KAUTZ W/ H<br>F<br>ER & SHALE GUARD. MW-9.<br>ER, SHALE GUARD. & AMMC<br>DITTONS<br>to deepen, give data on present p<br>and measured and true vertical dep<br>Bob Williams<br>WILLIAMS<br>SAUT<br>CHÁVEZ<br>Y PERSONS KNOWINGLY AND A<br>T STATEMENTS OR REPRESEN<br>JBJECT TO<br>CUREMENTS A          | ECONDITIONS.<br>COBBS OCD<br>PROPOSED MUD PROGRAM<br>O VIS-31<br>DNIA NITRATE. MW-10.0 V<br>roductive zone and proposed ne<br>ths. Give blowout preventer pro-<br>TITLE Drilling<br>APPROVAL DATE<br>IN THE SUBJECT LEASE WHICH WOULD EN<br>ST/<br>TITLE<br>MILLFULLY TO MAKE TO ANY<br>TATIONS AS TO ANY MATTER | M<br>IIS-31<br>gram, if any.<br>Superintendent<br>ATE DIRECT(<br>DEPARTMENT OR AC<br>R WITHIN ITS JURISDIC<br>OPE<br>POC<br>EFF.     | DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>SENCY OF THE<br>TION<br>COGRID N<br>OPERTY NO.<br>L CODE 5 1<br>DATE 5 2   | 3/16/2000<br>MAY 1 5 2000  |          |  |
| 7 7/8"<br>0<br>LL CASING WILL BE NEW<br>EMENT WILL BE CIRCULA<br>EMENT QUANTITIES AND<br>FILLER CEMENT 35/65 "C"<br>XCEPTION TO SALT STRIP<br>0-1250<br>1250-3525<br>UD PROGRAM SUBJECT TO<br>HABOVE SPACE DESCRIBE PRO<br>eepen directionally, give perimer<br>4.<br>SIGNED<br>THIS SPACE FOR FEDERAL OR S<br>DEFINITION OF APPROVAL DOES NOT WARDAN<br>CONDITIONS OF APPROVAL IF AU<br>CONDITIONS OF APPROVAL IF AU  | ADDITIVES ARE SUBJECTING BLM<br>ATED ON 13 3/8" AND 8 5/8"<br>ADDITIVES ARE SUBJECT<br>POZ W/ 6% GEL, 5# SALT,<br>NG APPROVED BY MIKE S<br>FRESH WATER W/ PAPE<br>BRINE            | SPECS.<br>CASING.<br>TO CHANGE DUE TO HOLE<br>& 1/4# FLOSEAL<br>TOGNER/PAUL KAUTZ W/ H<br>F<br>ER & SHALE GUARD. MW-9.<br>ER, SHALE GUARD. & AMMC<br>DITTONS<br>to deepen, give data on present p<br>and measured and true vertical dep<br>Bob Williams<br>WILLIAMS<br>SAUT<br>CHÁVEZ<br>Y PERSONS KNOWINGLY AND A<br>T STATEMENTS OR REPRESEN<br>JBJECT TO<br>CUREMENTS A          | ECONDITIONS.<br>COBBS OCD<br>PROPOSED MUD PROGRAM<br>O VIS-31<br>DNIA NITRATE. MW-10.0 V<br>roductive zone and proposed ne<br>ths. Give blowout preventer pro-<br>TITLE Drilling<br>APPROVAL DATE<br>IN THE SUBJECT LEASE WHICH WOULD EN<br>ST/<br>TITLE<br>MILLFULLY TO MAKE TO ANY<br>TATIONS AS TO ANY MATTER | M<br>IS-31<br>w productive zone. # pro<br>gram, # any.<br>Superintendent<br>ATE DIRECT(<br>DEPARTMENT OR AC<br>R WITHIN ITS JURISDIC | DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>DATE<br>SENCY OF THE<br>TION<br>COGRID N<br>OPERTY NO.<br>L CODE 5 1<br>DATE 5 2   | 3/16/2000<br>MAY 1 5 2000  |          |  |

RECEIVED MAR 16 2000 BLM ROSWELL, NM

AN 2000 Received Hobbs Oct

DISTRICT I P.O. Box 1960, Hobbs, NM 86241-1960

DISTRICT II P.O. Drawer DD, Artemia, NM 88211-0719

DISTRICT III 1000 Rio Brazos Rd., Astec, NM 87410

DISTRICT IV p.o. box 2068, santa fe, n.m. 87504-2068 Energy, Minerals and Natural Resources Department

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

# OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

AMENDED REPORT

|  |           | Ţ                       | WELL LO                 | CATION       | I AND ACREA                      | GE DEDICATI      | ON PLAT                       |   |                                |  |  |  |
|--|-----------|-------------------------|-------------------------|--------------|----------------------------------|------------------|-------------------------------|---|--------------------------------|--|--|--|
| API Number                                     |           |                         |                         |              |                                  |                  | Pool Name                     |   |                                |  |  |  |
| 30-02  | 5-3.      | 5036                    | 59                      | 1110         |                                  | leas             | · Yates-                      | TR We   | st-                            |  |  |  |
| Property Code                                  |           |                         | Property Name           |              |                                  | )                | / Well Number                 |   |                                |  |  |  |
| 2.5903   |           |                         | Operator Name           |              |                                  |                  | Elevation                     |   |                                |  |  |  |
| OGRED No.                                      |           | HARVEY E. YATES COMPANY |                         |              | 3560                             |                  |                               |   |                                |  |  |  |
| IDII Surface Location                          |           |                         |                         |              |                                  |                  |                               |   |                                |  |  |  |
| UL or lot No.                                  | Section   | Township                | Range                   | Lot Idn      | Feet from the                    | North/South line | Feet from the                 | East/West line                                | County                         |  |  |  |
| K  | 4         | 20 S                    | 33 E                    |              | 1650                             | SOUTH            | 1980                          | WEST  | LEA                            |  |  |  |
| Bottom Hole Location If Different From Surface |           |                         |                         |              |                                  |                  |                               |   |                                |  |  |  |
| UL or lot No.                                  | Section   | Township                | Range                   | Lot Idn      | Feet from the                    | North/South line | Feet from the                 | East/West line                                | County                         |  |  |  |
|  |           |                         |                         |              |                                  |                  |                               |   |                                |  |  |  |
| Dedicated Acre                                 | s Joint o | r Infill Co             | l<br>nsolidation        | Code (       | order No.                        |                  |                               |   |                                |  |  |  |
| HD   |           |                         |                         |              |                                  |                  |                               |   |                                |  |  |  |
| NO ALLO  | WABLE V   | TILL BE AS              | SSIGNED                 | TO THIS      | COMPLETION U                     | UNTIL ALL INTER  | RESTS HAVE BI                 | EEN CONSOLIDA                                 | ATED                           |  |  |  |
|  |           | OR A M                  | NON-STAN                | IDARD U      | NIT HAS BEEN                     | APPROVED BY      | THE DIVISION                  |   |                                |  |  |  |
|  | 4         | LOT                     | 3                       | 1            | LOT 2                            | LOT 1            | OPERATO                       | OR CERTIFICAT                                 | TION                           |  |  |  |
|  |           |                         |                         |              | ł                                |                  |                               | by certify the the in                         |                                |  |  |  |
|  |           |                         |                         |              | ,                                |                  | contained here                | in is true and compl                          |                                |  |  |  |
|  |           |                         |                         |              | best of my knowledge and ballaf. |                  |                               |   |                                |  |  |  |
|  |           |                         |                         |              |                                  |                  |                               |   |                                |  |  |  |
|  | ł         |                         |                         |              | I                                |                  | Bob u                         | Ulliam  |                                |  |  |  |
| 40.51 ACRES 40.41 ACRES                        |           |                         | 40.31 ACRES 40.21 ACRES |              |                                  | Signature        | Signature                     |   |                                |  |  |  |
|  |           |                         |                         | Bob Williams |                                  |                  |                               |   |                                |  |  |  |
|  |           |                         |                         |              |                                  |                  | Printed Nam                   |   |                                |  |  |  |
|  | 1         |                         |                         |              |                                  |                  | Drilling                      | <u>Superinten</u>                             | dent                           |  |  |  |
|  |           |                         |                         |              | March 16, 2000                   |                  |                               |   |                                |  |  |  |
|  |           |                         |                         |              |                                  | Date             |                               |   |                                |  |  |  |
|  |           |                         |                         |              | 1                                |                  | SURVEY                        | OR CERTIFICA                                  | TION                           |  |  |  |
|  |           | ,                       | <b>8</b> -1             | 1            |                                  | <u></u>          | Thereby control               | ly that the well loog                         | Kon shown                      |  |  |  |
|  |           | NM-10                   | 3883                    | 3565.        | 0' 3560.1'                       |                  | on this plat a                | vas plotted from fiel                         |                                |  |  |  |
|  |           |                         |                         |              |                                  |                  | aatuul survey<br>supervisen a |   | e true and                     |  |  |  |
|  |           | SEE DI                  | ETAIL                   |              |                                  |                  | correct to t                  | he best of my beli                            | af.                            |  |  |  |
|  |           | 5<br>3<br>1             |                         | 3565.        | 1' 3562.9'                       |                  | M                             | ARCH 9, 2000                                  |                                |  |  |  |
|  | 1980'     |                         |                         | 1            | DETAIL                           |                  | Date Survey                   |   | LMP                            |  |  |  |
|  |           |                         |                         |              |                                  |                  | Signature a                   |   |                                |  |  |  |
|  |           | •                       |                         |              |                                  |                  | Professions                   | l Surveyor                                    |                                |  |  |  |
|  |           | <b>1</b>                |                         |              | 1                                |                  |                               | 16  |                                |  |  |  |
|  |           |                         | 1650                    |              |                                  |                  | Dary +                        | 24th  |                                |  |  |  |
|  |           |                         |                         |              |                                  |                  |                               | 00=11-0329                                    |                                |  |  |  |
|  |           | 1                       |                         |              | 1                                |                  |                               | No. RONALD JEED<br>GARY KEBSON<br>MACON MCDON | SON 3239<br>12641<br>ALD 12185 |  |  |  |
| 11   |           |                         | 1                       | 1            |                                  |                  |                               |   |                                |  |  |  |

LOCATION VERFICATION MAP



U.S.G.S. TOPOGRAPHIC MAP LAGUANA GATUNA, N.M.

# VICINITY MAP



SEC. <u>4</u> TWP. <u>20-S</u> RGE. <u>33-E</u> SURVEY <u>N.M.P.M.</u> COUNTY <u>LEA</u> DESCRIPTION <u>1650' FSL & 1980' FWL</u> ELEVATION <u>3560</u> HARVEY E. OPERATOR <u>YATES COMPANY</u> LEASE <u>TUNA BOAT 4 FEDERAL</u> SCALE: 1" = 2 MILES

JOHN WEST SURVEYING HOBBS, NEW MEXICO (505 393-3117)

#### Application Harvey E. Yates Company Tuna Boat 4 Fed #1 Section 4, T20S, R33E Lea County, New Mexico

In conjunction with Form 3160-3, Application For Permit To Drill Or Deepen subject well, Harvey E. Yates Company submits the following ten items of pertinent information in accordance with Onshore Oil & Gas Order No. 10.

- 1. Geologic Name of Surface Formation: Quaternary allunium and bolson deposits
- Estimated Tops of Significant Geologic Markers: Rustler1,400', B/Salt 2,975', Yates(Zone 1) 3,180', Yates (Zone 2) 3,300', Yates (Zone 3) 3,345', Seven Rivers 3,425', TD 3,525'.
- Estimated Depths at which Water, Oil, or Gas Formations are expected: Oil: Yates (Zone 1) 3,180' Gas: Yates (Zone 1) 3,180'
- 4. Proposed Casing Program: See Form 3160-3
- 5. Pressure Control Equipment: BOP & Annular. See Exhibit C.
- 6. Drilling Fluid Program: See Form 3160-3
- 7. Auxiliary Equipment: H2S Compliance package
- 8. Testing, Logging, & Coring Program: The planned logs are Schlumberger Platform Express w/HALS.
- Abnormal Conditions, Pressures, Temperature, or Potential Hazards: No abnormal conditions are anticipated in this well bore. BHST: 115 deg F BHP: 500 psi
- 10. Anticipated Starting Date & Duration of Operation: Spud Date: Approximately June 20, 2000. Duration of this project will be approximately 20 days from start of Construction of drilling pad until finish of completion operations

# Surface Use Plan Harvey E. Yates Company Tuna Boat 4 Fed #1 Section 4, T20S, R33E Lea County, New Mexico

# 1. Existing Roads:

Exhibit A is a portion of a New Mexico map showing the location of the proposed location. The location is approximately 25 miles Northeast of Carlsbad, NM. Leave Carlsbad on U.S. 62-180 & travel east to .1 miles West of mile marker 72. Turn North on caliche road. Road turns immediately West. Go .4 miles & road turns North. Go .8 miles. After crossing cattle guard, turn left. Go .7 miles & turn right at Mitchell Energy sign. Go .3 miles & turn left. Go .8 miles and turn left, 1,000' to location.

# 2. Planned Access Roads:

1,000' of new road will be built to access location.

- 3. Location of Existing Wells: See EXHIBIT B
- 4. Location of Tank Batteries, Electric Lines, Etc: In the event a producing well is drilled, a tank battery will be built on the location.
- Location and Type of Water Supply: Water will be obtained from commercial sources.

# 6. Source of Construction Material:

We will use materials from the primary and auxillary reserve pits to build the location.

# 7. Methods of Handling Waste Disposal:

Waste will be handled in an approved manner. The wellsite will be cleaned of all waste within 30 days of final completion of the well.

8. Ancillary Facilities:

N/A

#### 9. Wellsite Layout:

a. EXHIBIT D shows the relative location and dimensions of the well pad, reserve pits, and major rig components.

b. The land is relatively flat with sandy soil and sand dunes.

c. The pad and pit area have been staked.

# 10. Plan for Restoration of the Surface:

a. After drilling and completion operations are completed, all equipment and other materials not needed for further operations will be removed. Pits will be back filled and the location cleaned of all trash to leave the wellsite as pleasant in appearance as possible.

b. If the proposed operation is nonproductive, all restoration and/or vegetation requirements of the BLM will be complied with, and will be accomplished as quickly as possible. All pits will be filled and leveled within 90 days after abandonment.

#### 11. Other Information:

a. The surface and mineral owner is the Federal Government. The grazing Lesee is Kenneth Smith.

b. The topography consists of sandy soil with native grasses. No wildlife was observed, but the usual inhabitants of this region are Jackrabbits, Reptiles, Coyotes, etc.

c. There are no ponds, lakes, or rivers in this area.

d. An Archaeological Survey has been made and a copy has been sent to the Roswell BLM office. There is no evidence of any significant archaeological, historical, or cultural sites in the area. Further, there are no occupied dwellings or windmills in the area.

e. Should any incidental oil be recovered during testing of this well, this oil will be considered waste oil and not sellable due to contamination by drilling and/or completion fluids.

#### 12. Operator's Representative:

The field representative for assuring compliance with the approved surface use and operation plan is: Bob Williams Harvey E. Yates Company P.O. Box 1933

505-623-6601 March 14, 2000

Roswell, NM

Bob William

Bob Williams Drilling Superintendent

#### United States Department of the Interior

#### BUREAU OF LAND MANAGEMENT Roswell Resource Area P.O. Drawer 1857 Roswell, New Mexico 88202-1857

#### **Statement Accepting Responsibilities for Operations**

Operator Name:Harvey E. Yates CompanyStreet or Box:P.O. Box 1933City, State:Roswell, New MexicoZip Code:88202

The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted on the leased land or portion thereof, as described below.

Lease No.: NM-103883

Lease Name: Tuna Boat 4 Fed #1

Legal description of land: Sec 4, T20S, R33E, Lea County, New Mexico

Formation(s) (if applicable): Yates

Bond Coverage: (State if individually bonded or another's bond): Blanket Bond

**BLM Bond File No.:** 

Authorized Signature: \_ Bob (4) elle

Title: Drilling Superintendent

Date: March 14, 2000

EXHIBIT C BOP STACK

Tuna Boat 4 Fed #1 1650' FSL & 1980' FWL Sec 4, T20S, R33E Lea County, NM





EXHIBIT D

WEST

EAST

EXHIBIT "E"

Harvey E. Yates Company Tuna Boat 4 Fed #1 1,650' FSL & 1,980' FWL Section 4, T20S, R33E Lea County, New Mexico

#### HYDROGEN SUFFIDE DRILLING OPERATIONS PLAN

#### I Hydrogen Sulfide Training

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis will show proof of training from a qualified instructor in the following areas before commencing any work on the above named well.

- 1. The hazards and characteristics of hydrogen sulfide (H<sup>2</sup>S)
- 2. The proper use and maintenance of personal protective equipment and life support systems.
- 3. The proper use of H<sup>2</sup>S detectors, alarms, warning signs, briefing areas, and evacuation procedures.
- 5. The proper technique for rescues.

#### II <u>H<sup>2</sup>S Safety Equipment and Systems</u>

All H<sup>2</sup>S safety equipment and systems will be installed 1,000 feet prior to penetrating the first zone containing or reasonably expected to contain H<sup>2</sup>S.

- 1. Well Control Equipment
  - A. Choke manifold with a minimum of two adjustable chokes.
  - B. Blind and pipe rams to accommodate all pipe in use.
  - C. Auxiliary equipment to include annular preventer and rotating head.
- 2. Protective equipment for essential personnel
  - A. Four 5 minute escape units in top dog house.
  - B. One 30 minute SCBA at each briefing area.
- 3. H<sup>2</sup>S detection and monitoring equipment
  - A. Three channel monitor located on floor, with detectors located on floor, on flow nipple, and on flow line on mud pit.
- 4. Visual Warning Systems
  - A. Windsock located on floor and mud pits.
  - B. Briefing area signs located on NE & SW corners of pad.
  - C. H<sup>2</sup>S Condition sign located at entrance to location.
- 5. Mud Program

The mud program has been designed to minimize the volume of possible H<sup>2</sup>S circulated to surface. Proper weight, safe drilling practices, and the use of H<sup>2</sup>S scavengers will minimize hazards when penetrating possible H<sup>2</sup>S bearing zones.

#### 6. Metallurgy

All drill strings, casing, tubing, wellhead, blowout preventers, drilling spool, kill lines, choke manifolds, and associated lines and valves shall be suitable for an H<sup>2</sup>S environment.

#### 7. Communications

Drilling rig and company vehicles will be equipped with two way radios or cellular telephones.

8. Well testing

No Drill Stem Tests are planned for this well.

Casing Design

