Form 3160-3 HOBBS, NEW MEALCO DE 7900 934 FORM APPROVED (December 1990) DEPARTMI POOL CODE 7900 Budget Bureau No. 1004-0136 BUREAU O EFF DATE 4/24/90 Expires: December 31, 1991		IL CONS. COMMESSION			vision			
SUBMIT IN TIRFLICATE       EFF DATE       1, 2, 1, 2, 1, 2, 2, -, 2, -       Environment of Semith No.         APPLICATION FOR PERMIT TO DRILL OR DEEPEN       I.ese Designation and Semith No.       C.002104         I.e. Type of Wall       DEEPEN       SINGLE ZONE       S. Well Karne and Number         I.e. Type of Wall       OTHER       MULTIME ZONE       S. Well Karne and Number         A. H. BLINEBRY FEDERAL NOT.1       S. Well Karne and Number       A. H. BLINEBRY FEDERAL NOT.1         A. Address on Trasphore No.       P.O. Box 3106, Midden Texas 79702       688-4600       R. AR Well No.         4. Location of Wall Report Descing Level and Indean Texas 79702       688-4600       R. AR Well No.       S. Mell Karne and Number         4. Location of Wall Report Descing Level and In Accentration with any State regularametic. 11       State       State       State         10. The send From The NORTH Line and 100       Feel From The WEST Line       State       State       State         14. Debates the Meteor From Propert Level and the and State of TEXAL Line and 100       Feel From The WEST Line       State         15. Debates and Descine from Them NORTH Line and 100       Feel From The WEST Line       State         14. Debates the Meteor From The NORTH Line and 100       Feel From The Meteor Call The Leve PE       State         16. Debates and Desclon from Namer Non Propert Leve Call Themeton S	Form 3160-3 HOBBS	NEW MEXICO BE DEPARTMI BUREALLO		1900				
APPLICATION FOR PERMIT TO DRILL OR DEEPEN       0.1003/1004         1a. Type of Wat       DEEPEN       0.1104         1b. Type of Wat       DEEPEN       SINGLE ZONE       0.1104         2. Ners of Operator       TEXACO EXPLORATION & PRODUCTION INC.       8. Weil Name and Number         3. Address and Telephone No.       P.O. Box 3106, Middlen Texas 75702       658-4605       9. API Weil No.         4. Location of Weilpoint Edition clearly and in econdance with any State requirements.*1       10. Find and Pool, Explorary Area         4. Location of Weilpoint Edition clearly and in econdance with any State requirements.*1       10. Find and Pool, Explorary Area         4. Location of Weilpoint Edition Clearly and In econdance with any State requirements.*1       10. Find and Pool, Explorary Area         5. Detaines From Proposed Location to Norm Nearest Torm or Pool Office*       58. 20. Tormition 113. State         14. Detainer to Independent Com or Pool Office*       10. Find and Pool, Explorary Area         15. Detaines From Proposed Location torm Nearest Torm or Pool Office*       10. And Remark Pool Pool         16. Detaines From Proposed Location torm Nearest Torm or Pool       11050         17. No. A Greez Assigned To Thillion       60.         18. Detaines From Proposed Location torm Nearest Torm or Pool       11050         18. Detaines From Proposed Location torm Nearest Torm or Pool       10. And Remark Pool <tr< td=""><td>SUBMIT IN TRIPLICATE</td><td>BUREAU</td><td>EFF DATE</td><td>24/42</td><td>Expires: Dece</td><td>mber 31, 1991</td></tr<>	SUBMIT IN TRIPLICATE	BUREAU	EFF DATE	24/42	Expires: Dece	mber 31, 1991		
APPENDIA ION POR PERMITTO DIRICLOR DEEPEN       2. HUND or CA. Agreement Designation         1b. Type of Weil       OPENDIA       SKOLE 20NE       5. Will be or CA. Agreement Designation         WILL       OPENDIA       SKOLE 20NE       5. Will be or CA. Agreement Designation         WILL       OPENDIA       SKOLE 20NE       5. Will be or CA. Agreement Designation         3. Address and Tabphone No.       P.O. Box 3100, Mudant Toxas 79702       688-4606       9. API Well No.         3. Address and Tabphone No.       P.O. Box 3100, Mudant Toxas 79702       688-4606       9. API Well No.         4. Locotion of Well Peopet Locotion is on Norther Lines and 160       PeoF from The WEST Line       10. Find and Pool, Esplortory Area         5. Unit Later Composition Composition Composition Composition Tom Neared Town or Pation The WEST Line       10. Find and Pool, Esplortory Area         6. Unit Later Composition Composition Composition Composition Tom Neared Town or Pation Tom WEST Line       11. BEC, T. R. M., or BLK. and Survey or Asset         1. Distance From Proposed Locotion tom Neared Town or Pation Tom Composition Tom Neared Town or Pation Tom Pation Pa								
1b. Type of Well       DEFEND       SINCLE ZONE       International content of the second and the	A	PPLICATION FOR F	ERMIT TO DRILL	OR DEEPEN	6. If Indian, Alottee or Trib	e Nam		
Oil:       Order       B. Well Network Number         2. Name of Operator       TEXACO EXPLORATION & PRODUCTION INC.       B         3. Address and Telephone No.       P.O. Box 3109, Middlend Texas 75702       688-4605       B. API Well No.         4. Lostbor of Well Report Dection clearly and is accordance with any State requirements.1       10. Field and Pool. Exploratory Area SOUTH BUILSOND DRINKAD-ABO. TUBB OAG. BLINE         4. Lostbor of Well Report Dection clearly and is accordance with any State requirements.1       11. SEC. T. R., M. or BUK and Survey or Area SOUTH BUILSOND DRINKAD-ABO. TUBB OAG. BLINE         14. Dection of Well Report Dection from Nearest Town or Post Office*       12. County or Postin       13. State         15. Delarest From Proposed Location to Nearest Town or Post Office*       14. Dection from Proposed Location to Nearest Town or Post Office*       13. State         16. Delarest From Proposed Location to Nearest Town or Post Office*       14. Dection from Proposed Location to Nearest Town or Post Office*       12. County or Post Na       13. State         15. Delarest From The West Hull Delling.       023       19. Proposed Depth       20. Rotary or Cable Tools         16. Declarest From The Operator       03. State       04. State       12. Agence. Dela Work Will Start         17. Box of Acres a Leage       03. State       12. Agence. State       12. Agence. Dela Work Will Start         17. Box of Acres A scignest       03. State						7. If Unit or CA, Agreement Designation		
TEXAO EXPLORATION & PRODUCTION INC.         40           3. Address and Telephone No.         P.O. Box 3109, Midland Texas 59702         688-4606         9. AP Well No.           4. Location of Well (Report location clearly and In accordance with any State requirements, "1         10. Field and Pool. Exploritory Area           4. Location of Well (Report location clearly and In accordance with any State requirements, "1         10. Field and Pool. Exploritory Area           5. Address and Telephone No.         SAME         10. Field and Pool. Exploritory Area           5. Distance From Proposed Location from Nearest Town or Pool Office"         12. Centry or Partial         13. States           15. Distance From Proposed Location to Nearest Poophry or Lanse Ime, Fi. Mole nearest dig. with item, F. any         110         16. No. of Acres in Lease         17. No. of Acres Assigned To The Well           16. Distance From Proposed Location to Nearest Well, Delling.         223         19. Proposed Depth         17. No. of Acres Assigned To The Well           17. Box of Acres Assigned Tor. On This Lease, Fi.         223         19. Proposed Depth         20. Rotary or Cable Tools           18. Determine From Proposed Location to Nearest Well, Delling.         237         10. Field and Pool. Exploritory Well Well Blanch           19. Other States Proposed Depth         22. Rotary or Cable Tools         ROTARY           21. Elevations (Show whether DF, RT, GR, etc.)         244         1380° </td <td>XI *****</td> <td></td> <td></td> <td></td> <td colspan="3">8. Well Name and Number</td>	XI *****				8. Well Name and Number			
3. Address and Telephone No.       P.O. Box 3100, Micland Texas 79702       668-4606       9. AR Well No.         4. Loction of Well (Report location clearly and in accordance with any State requirements.")       10. Field and Pool. Explortory Ame         5. MARCE       Souther E : 2530       Feel From The NORTH Line and 160       Feel From The WEST Line       10. Field and Pool. Explortory Ame         5. Matter E : 2530       Feel From The NORTH Line and 160       Feel From The WEST Line       South Set South Se	2. Name of Operator	TEXACO EXPLOR	ATION & PRODUCTIO	N INC.				
At Surface Unit Latter E : 2530 Feet From The NORTH Line and 160 Feet From The WEST Line Name South Bulkase and Proceedings of the South Bulkase And Survey or Area South Survey or Area South Sout	3. Address and Telephon	ne No. P.O. Box 3109, Mic	lland Texas 79702	688-4606				
SAME     Sec. 20, Township 22:S, Range 38:E       14. Distance in Miles and Direction from Nearest Town or Post Office' 8 MILES SE OF EUNICE, NM     12. Country or Parish LEA     13. State       15. Distance From Proposed Cubic Into Meanest Property or Lanse Line, F. (also to nearest drig, unif line, Rany)     1160     16. No. of Acres in Lease     17. No. of Acres Assigned To This Wall       16. Distance From Proposed Cubic Into Meanest Property or Lanse Line, F. (also to nearest drig, unif line, Rany)     1160     12. Country or Parish LEA     10.       17. Do of Acres Assigned To This Lease, FL     40     226. 12     40       18. Datance From Proposed Cubic Into Meanest Property or Lanse Line, FL (also to nearest) drig, unif line, Rany     11.     12. Approx: Date Work Will Start 41507       21. Elevations (Show whether DF, RT, GR, de.)     GR-3377     22. Approx: Date Work Will Start 41507     41507       300     GR-3377     23. Option: Add Starts Start 41507     20.     Code Starts Start 41507     41507       31     WCSO, WC76     5 1/3     15.5 & 177     7300'     2500 SACKS CLASS C w/ 2% CC (14.8 PPG, 1.34       5718     WCSO, WC76     5 1/3     15.5 & 177     7300'     2500 SACKS CLASS C w/ 2% CC (14.8 PPG, 1.34       7718     WCSO, WC76     5 1/3     15.5 & 177     7300'     2500 SACKS CLASS C w/ 2% CC (14.8 PPG, 1.34       7718     WCSO, WC76     5 1/3     15.6 & 177 <td>At Surface Unit Letter E : 263</td> <td></td> <td></td> <td></td> <td>SOUTH BRUNSON DRINKA</td> <td>RD-ABO, TUBB O&amp;G, BLINE &amp;</td>	At Surface Unit Letter E : 263				SOUTH BRUNSON DRINKA	RD-ABO, TUBB O&G, BLINE &		
14. Distance in Miles and Direction from Nearest Town or Pool Office"       12. County or Parish       13. State         14. Distance from Proposed Used in to Nearest Property or Loss in Lease       17. No. of Acres Assigned To This Wall       18. No. of Acres Assigned To This Wall         15. Distance from Proposed Ostion 's Nearest Wall, Drilling, Completed or Applied For, On This Lease, Fit.       40       20. Rotary or Cable Tools         19. Proposed Depth       20. Rotary or Cable Tools       40         21. Elevations (Show whether DF, RT, GR, etc.)       GR-3377       22. Approx. Date Work Will Start"         23       PROPOSED CASING AND CEDENT FRECEDENT RECEDENT RESIDENT of CEMENT       415877         23       PROPOSED CASING AND CEDENT FRECEDENT RESEDENT FRECEDENT RESES       7300"       20. Rotary or Cable Tools         51/2       OF Add E Size of CASING WEIGHT PER FOOT       SETTING DEPTH       QUANTITY OF CEMENT         111       WC50, 8 5/8       244       1380"       800 SACKS - CIRCULART TRESS         77/8       WC50, 8 5/8       244       1380"       800 SACKS - CIRCULART TRESS         VERACE CASING: 400 SACKS CLASS C w/ 4% GEL, 2% CC (13.5 PPG, 1.74 CF/S, 9.1 GW/S). F/B 200 SACKS CLASS C w/ 2% CC (14.8 PPG, 1.34       CF/S, 6.3 GW/S).         PRODUCTION CASING: 2000 SACKS SACKS SO/SO POZ H w/ 6% GEL, 5% SALT, 1/4# FC (12.8 PPG, 1.94 CF/S, 10.4 GW/S). F/B 200 SACKS 50/S0 POZ H w/ 2% CF/S, 6.3 GW/S).       SUBE CT TO <t< td=""><td>At proposed prod. zone</td><td>5</td><td>SAME</td><td></td><td colspan="2"></td></t<>	At proposed prod. zone	5	SAME					
15 Distance From Proposed Location to Nearest Property or Lesse Line, PL (also to meaned drg, unit line, H any)       1160       15. No. of Acres Assigned To This Woll         12 Distance From Proposed Location to Nearest Well, Dilling, Completed or Applied For, Cn This Lesse, FL       1160       2256.12       40         13. Distance From Proposed Location to Nearest Well, Dilling, Completed or Applied For, Cn This Lesse, FL       823       19. Proposed Depth       20. Rotary or Cable Tools         21. Elevations (Show whether DF,RT, GR, etc.)       GR-3377       21. Approx. Date Work Will Start 41557         23       PROPOSED CASING AND CEDENT FRENCEONT ROLLED WATER BASIN SIZE OF HOLE       GR-3377         312       ORADE, SIZE OF CASING       WEIGHT PER FOOT       SETTING DEFTH       GUANTITY OF CEMENT         111       WOEO, 6 5/8       244       1380'       800 SACKS - CIRCULANT TNESS         77/8       WC50, WC75       5 1/2       15.5 4 177       7300'       2500 SACKS - CIRCULANT TNESS         27/8       WC50, WC75       5 1/2       15.5 4 177       7300'       2500 SACKS CLASS C W 2% CC (14.8 PPG, 1.34         CEMENTING PROGRAM:       SURFACE CASING: 400 SACKS CLASS C W 4% GEL, 2% SALT, 1/4# FC (12.8 PPG, 1.94 CF/s, 9.1 GW/s), F/B 500 SACKS 50/50 POZ H       W/2% GEL, 5% SALT, 1/4# FC (14.2 PPC, 1.35 CF/s, 6.3 GW/s).         PRODUCTION CASING: ANO OTHER AREAMENT NO THIS QUARTER QUARTER SECTION.       LIKF: APPROVAL	14. Distance In Miles and D					13. State		
Completed or Applied For, On This Lasses, FL       823'       7300'       ROTARY         21.Elevations (Show whether DF,RT, GR, etc.)       gR-3377'       22. Approx. Date Work Will Start' 41597'         23       PROPOSED CASING AND CEDMENT PRISEONT ROLLED WATER BASIN         312       OF ADE, SIZE OF ADIE       GR-40E, SIZE OF CASING         11       WC50, 8 5/8       24#       1380'       600 SACKS - CIRCULANTING SEEMENT         11       WC50, 8 5/8       24#       1380'       600 SACKS - CIRCULANTINESS         7 7/8       WC50, WC75 5 1/3       15.5 & 17#       7300'       2500 SACKS - CIRCULANTINESS         CEMENTING PROGRAM:       SURFACE CASING: 400 SACKS SLASS C W/ 4% GEL, 2% CC (13.5 PPG, 1.74 CF/S, 9.1 GW/S). F/B 200 SACKS CLASS C W/ 2% CC (14.8 PPG, 1.34 CF/S, 6.3 GW/S).       F/B 200 SACKS S00 POZ H         W/ 2% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.3 GW/S).       F/B 200 SACKS S00 POZ H       UKE APPROVAL CASING DETALL: 4300 OF 5 1/2, 15.5 #, WC-50 AND 300' OF 17#, WC-75, LTC.       SUE JECT TO         FRODUCTION CASING DETALL: 4300 OF 5 1/2, 15.5 #, WC-50 AND 300' OF 17#, WC-75, LTC.       SUE JECT TO       LIKE APPROVAL         VERBAL APPROVAL FROM PAUL KAUTZ (OCD HOBBS) 10/10/96 TO SET 8 5/8 SURFACE CASING IN AN 11 INCH HOLE.       SY 5/5/17E       SY 5/5/17E         UNORTHODX LOCATION: EXCEPTION HAS BEEN APPLIED FOR.       APPF OVAL SL BJECT TO       F/A U. M/UTHOP/WX		ed* Location to Nearest Prope	rty or		17. No. of Acres Assigned T	o This Well		
GR-3377       Altiser         23       PROPOSED CASING AND CEDENT PRICEONTROLLED WATER BASIN SIZE OF HOLE       GRADE, SIZE OF CASING       WEIGHT PER FOOT       SETTING DEPTH       QUANTITY OF CEMENT         111       WC50, 8 5/8       244       1380'       800 SACKS - CIRCUL WITNESS         77/8       WC50, WC75, 5 1/2       15.5 & 17/2       7300'       2500 SACKS - CIRCUL WITNESS         77/8       WC50, WC75, 5 1/2       15.5 & 17/2       7300'       2500 SACKS - CIRCULATE         CEMENTING PROGRAM:       SURFACE CASING: 400 SACKS CLASS C W/ 4% GEL, 5% SALT, 1/4# FC (12.8 PPG, 1.94 CF/S, 10.4 GW/S). F/B 500 SACKS 50/50 POZ H       W/S% GEL, 5% SALT, 1/4# FC (12.8 PPG, 1.94 CF/S, 10.4 GW/S). F/B 500 SACKS 50/50 POZ H         WC75, S. 3 GW/S).       PRODUCTION CASING: 2000 SACKS 35/65 POZ H W/ 6% GEL, 5% SALT, 1/4# FC (12.8 PPG, 1.94 CF/S, 10.4 GW/S). F/B 500 SACKS 50/50 POZ H       W/S% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.3 GW/S).         PRODUCTION CASING ETAIL: 4300 CP 51/2, 15.5 W/G-50 AND 3000 OF 17%, WC-75, LTC.       SUE JECT TO       SUE JECT TO         FUE AL APPROVAL FROM PAUL KAUTZ (OCD HOBBS) 10/10/96 TO SET 8 5/8 SURFACE CASING IN AN 11 INCH HOLE.       SY STATE         JNORTHODX LOCATION: EXCEPTION HAS BEEN APPLIED FOR.       APPF OVAL SU BJECT TO       F/A & N/A/THC/WX         JNORTHODX LOCATION: EXCEPTION HAS BEEN APPLIED FOR.       APPF OVAL SU BJECT TO       GEN & RAL RE()UIREMENTS AND       L/OC /: T TO N		18. Distance From Proposed Location* to Nearest Well, Drilling, 19. Proposed Depth Completed or Applied For. On This Lease, Ft. 823						
PROPOSED CASING AND CEDENT PRACEONT ROLLED WATER BASIN GUANTITY OF CEMENT         SIZE OF HOLE       GRADE, SIZE OF CASING       WEIGHT PER FOOT       SETTING DEPTH       GUANTITY OF CEMENT         11       WC50, 8 5/8       244       1380'       600 SACKS - CIRCUL <b>WITNESS</b> 7 7/8       WC50, WC75, 5 1/2       15.5 & 17#       7300'       2500 SACKS - CIRCULATE         CEMENTING PROGRAM:       SURFACE CASING: 400 SACKS CLASS C w/ 4% GEL, 2% CC (13.5 PPG, 1.74 CF/S, 9.1 GW/S). F/B 200 SACKS CLASS C w/ 2% CC (14.8 PPG, 1.34         PRODUCTION CASING: 2000 SACKS 35/65 POZ H w/ 6% GEL, 5% SALT, 1/4# FC (12.8 PPG, 1.94 CF/S, 10.4 GW/S). F/B 500 SACKS 50/50 POZ H       W2% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.3 GW/S).         PRODUCTION CASING DETAIL: 4300' OF 5 1/2, 15.5#, WC-50 AND 3000' OF 17#, WC-75, LTC.       SUE_JECT TO         PRODUCTION CASING DETAIL: 4300' OF 5 1/2, 15.5#, WC-50 AND 3000' OF 17#, WC-75, LTC.       SUE_JECT TO         VERBAL APPROVAL FROM PAUL KAUTZ (OCD HOBBS) 10/10/96 TO SET 8 5/8 SURFACE CASING IN AN 11 INCH HOLE.       BY SIATE         JINORTHODOX LOCATION: EXCEPTION HAS BEEN APPLIED FOR.       APPF-OVAL SUBJECT TO       F/A (.N.CHTHC/WX         JONGRTHODOX LOCATION: EXCEPTION HAS BEEN APPLIED FOR.       APPF-OVAL SUBJECT TO       F/A (.N.CHTHC/WX         JINORTHODOX LOCATION: EXCEPTION HAS BEEN APPLIED FOR.       APPF-OVAL SUBJECT TO       F/A (.N.CHTHC/WX         JONGRTHODOX LOCATION: EXCEPTION HAS BEEN APPLIED FOR. <td>21.Elevations (Show wheth</td> <td></td> <td>3-3377</td> <td></td> <td>22. Арргоз</td> <td></td>	21.Elevations (Show wheth		3-3377		22. Арргоз			
SIZE OF HOLE       GRADE, SIZE OF CASING       WEIGHT PER FOOT       SETTING DEPTH       QUANTITY OF CEMENT         *11       WC60, 8 5/8       24#       1380'       600 SACKS - CIRCULANTITY OF CEMENT         7 7/8       WC60, WC75, 5 1/2       15.5 & 17#       7300'       2500 SACKS - CIRCULATE         CEMENTING PROGRAM:       SURFACE CASING: 400 SACKS CLASS C W/ 4% GEL, 2% CC (13.5 PPG, 1.74 CF/S, 9.1 GW/S). F/B 200 SACKS CLASS C W/ 2% CC (14.8 PPG, 1.34 CF/S, 6.3 GW/S).         PRODUCTION CASING: 2000 SACKS 35/65 POZ H W/ 6% GEL, 5% SALT, 1/4# FC (12.8 PPG, 1.94 CF/S, 10.4 GW/S). F/B 500 SACKS 50/50 POZ H W/ 3% GEL, 5% SALT, 1/4# FC (12.8 PPG, 1.94 CF/S, 10.4 GW/S). F/B 500 SACKS 50/50 POZ H W/ 3% GEL, 5% SALT, 1/4# FC (12.8 PPG, 1.94 CF/S, 10.4 GW/S). F/B 500 SACKS 50/50 POZ H W/ 3% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.3 GW/S).         PRODUCTION CASING DETAIL: 4300' OF 51/2, 15.5#, WC-50 AND 3000' OF 17#, WC-75, LTC.       SUE JECT TO         PRODUCTION CASING DETAIL: 4300' OF 51/2, 15.5#, WC-50 AND 3000' OF 17#, WC-75, LTC.       SUE JECT TO         VERBAL APPROVAL FROM PAUL KAUTZ (0CD HOBBS) 10/1096 TO SET 8 5/8 SURFACE CASING IN AN 11 INCH HOLE.       3Y STATE         JNORTHODOX LOCATION: EXCEPTION HAS BEEN APPLIED FOR.       APPF OVAI. SL BJECT TO         JNORTHODOX LOCATION: EXCEPTION HAS BEING FINALIZED.       GEN FAAL STIP JLATIONS         In Above Space Describe Proposed Program: If proposal is to deepen, give data on Brieford Proposed new productive zone. If proposal is to deepen directionaly, give perintent data on subsurface locations and mea	23		PROPOSED CASI		ONTROLIED WA			
Triad       BOD SACKS - CIRCULANT INESS         7 7/8       WC60, WC75, 5 1/2, 15.5 & 177       T300       2500 SACKS - CIRCULATE         CEMENTING PROGRAM:       SURFACE CASING: 400 SACKS CLASS C w/ 4% GEL, 2% CC (13.5 PPG, 1.74 CF/S, 9.1 GW/S). F/B 200 SACKS CLASS C w/ 2% CC (14.8 PPG, 1.34         CF/S, 6.3 GW/S).       F/B 200 SACKS CLASS C w/ 4% GEL, 5% SALT, 1/4# FC (12.8 PPG, 1.94 CF/S, 10.4 GW/S). F/B 500 SACKS 50:50 POZ H         V2% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.3 GW/S).       SUE JECT TO         W2% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.3 GW/S).       SUE JECT TO         W12% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.3 GW/S).       SUE JECT TO         W2% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.3 GW/S).       SUE JECT TO         W2% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.3 GW/S).       SUE JECT TO         W2% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.3 GW/S).       SUE JECT TO         W2% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.3 GW/S).       SUE JECT TO         W2% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.3 GW/S).       SUE JECT TO         W1       HERA ARE NO OTHER OPERATORS IN THIS QUARTER QUARTER SECTION.       LIKE APPROVAL         VERBAL APPROVAL FROM PAUL KAUTZ (OCD HOBBS) 10/10/96 TO SET 8 5/8 SURFACE CASING IN AN 11 INCH HOLE.       SY STATE         JNORTHODOX LOCATION: EXCEPTION HAS BEEN APPLIED FOR.       APPF OVAL SL BJECT TO       F/A L N/L/H/C/L/K	SIZE OF HOLE	GRADE, SIZE OF CASING				DF CEMENT		
7.7/8       WC60, WC75 5 1/2       15.5 & 17#       7300'       2500 SACKS - CIRCULATE         2500 SACKS - CIRCULATE       2500 SACKS - CIRCULATE       2500 SACKS - CIRCULATE         2500 SACKS CLASS C W/ 4% GEL, 2% CC (13.5 PPG, 1.74 CF/S, 9.1 GW/S). F/B 200 SACKS CLASS C W/ 2% CC (14.8 PPG, 1.34 F/S, 6.3 GW/S).       1.4         2600 SACKS 2000 SACKS 35/65 POZ H W/ 6% GEL, 5% SALT, 1/4# FC (12.8 PPG, 1.94 CF/S, 10.4 GW/S). F/B 200 SACKS 50/50 POZ H       2% CC (14.8 PPG, 1.34 CF/S, 6.3 GW/S).         2700 DUCTION CASING E14L: 4300 OF 51/2, 15%, WC-50 AND 3000 OF 17%, WC-75, LTC.       SUE JECT TO         1400 CASING E14L: 4300 OF 51/2, 15%, WC-50 AND 3000 OF 17%, WC-75, LTC.       SUE JECT TO         1400 CASING E14L: 4300 OF 51/2, 15%, WC-50 AND 3000 OF 17%, WC-75, LTC.       SUE JECT TO         1400 CASING E14L: 4300 OF 51/2, 15%, WC-50 AND 3000 OF 17%, WC-75, LTC.       SUE JECT TO         1400 CASING E14L: 4300 OF 51/2, 15%, WC-50 AND 3000 OF 17%, WC-75, LTC.       SUE JECT TO         1400 CASING E44 DO THER OPERATORS IN THIS QUARTER QUARTER SECTION.       LIKE APPROVAL         VERBAL APPROVAL FROM PAUL KAUTZ (OCD HOBBS) 10/10/96 TO SET 8 5/8 SURFACE CASING IN AN 11 INCH HOLE.       3Y STATE         1500 SACKS - CIRCULATE       SIGATE       SIGATE         1600 SUCATION: EXCEPTION HAS BEEN APPLIED FOR.       APPF OVAL SUBJECT TO       F/K W/K/H/W/K         1600 SUCATION: EXCEPTION HAS BEEN APPLIED FOR.       APPF OVAL SUBJECHAL STIP JLATIONS       In Above S	11		24#	1380'	600 SACKS - CIRCULMITNESS			
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VERBAL APPROVAL FROM PAUL KAUTZ (OCD HOBBS) 10/10/96 TO SET 8 5/8 SURFACE CASING IN AN 11 INCH HOLE.       SY STATE         JNORTHODOX LOCATION: EXCEPTION HAS BEEN APPLIED FOR.       APPF OVAL SL BJECT TO       FOR UNITHCODX         DPERATOR/LANDOWNER AGREEMENT IS BEING FINALIZED.       APPF OVAL SL BJECT TO       GENE RAL REQUIREMENTS AND         JNORTHODOX LOCATION: EXCEPTION HAS BEEN APPLIED FOR.       APPF OVAL SL BJECT TO       GENE RAL REQUIREMENTS AND         JNORTHODOWNER AGREEMENT IS BEING FINALIZED.       SPECIAL STIP JLATIONS       DOCATION         JN Above Space Describe Proposed Program: If proposal is to deepen, give data on Present proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured true verticle depths. Give blowout preventer program, if any.       24. Iherety certify that the foregoing is true and correct       Signa TURE       C. Wade Howard         TYPE OR PRINT NAME       C. Wade Howard       APPROVAL DATE       APPROVAL DATE         Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitie the applicant to conduct operations thereon.       APPROVED BY       DATE       MALL MALL	SURFACE CASING: 40 CF/S, 6.3 GW/S). PRODUCTION CASING w/ 2% GEL, 5% SALT, 1. PRODUCTION CASING	0 SACKS CLASS C w/ 4% : 2000 SACKS 35/65 POZ /4# FC (14.2 PPG, 1.35 CI : DETAIL: 4300' OF 5 1/2,	1 W/ 6% GEL, 5% SAL 7/S, 6.3 GW/S). 15.5#, WC-50 AND 300	.T, 1/4# FC (12.8 PPG, 1.94 CF )0' OF 17#. WC-75. LTC.		ACKS 50/50 POZ H SUEJECT TO		
OPERATOR/LANDOWNER AGREEMENT IS BEING FINALIZED.       GENERAL REQUIREMENTS AND       LOCATION         MSL-3782       SPECIAL STIP JLATIONS       LOCATION         In Above Space Describe Proposed Program: If proposal is to deepen, give data on present proveductive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured true verticle depths. Give blowout preventer program, if any.         24. Thereby certify that the foregoing is true and correct       TITLE       Eng. Assistant       DATE       2/24/97         24. Thereby certify that the foregoing is true and correct       TITLE       Eng. Assistant       DATE       2/24/97         24. Thereby certify that the foregoing is true and correct       TITLE       Eng. Assistant       DATE       2/24/97         24. Thereby certify that the foregoing is true and correct       TITLE       Eng. Assistant       DATE       2/24/97         24. Thereby certify that the foregoing is true and correct       TITLE       Eng. Assistant       DATE       2/24/97         24. Thereby certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.       APPROVAL DATE	VERBAL APPROVAL F	ROM PAUL KAUTZ (OC	0 HOBBS) 10/10/96 TO	SET 8 5/8 SURFACE CASING	IN AN 11 INCH HOLE.	BY STATE		
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DISTRICT 1 P. O. Box 1980, Hobbs, NM 88240

DISTRICT II P. O. Drawer DD, Artesia, NM 88210

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

DISTRICT IV P. O. Box 2088, Santo Fe, NM 87504—2088 State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

PO Box 2088 Santa Fe, NM 87504-2088 Form C-102 Revised February 10, 1994

Instructions on back

Submit to Appropriate District Office

State Lease-4 copies Fee Lease-3 copies

# WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT



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## DRILLING PROGRAM

## A. H. BLINEBRY FEDERAL NCT-1 No. 49

### SURFACE DESCRIPTION:

See Item 11 (other information) in the attached Surface Use and Operations Plan.

FORMATION TOPS: Estimated KB Elevation: 3388'

Formation	Depth	Lithology	Fluid Content
Rustler	1150'	Anhy, Salt	
Tansill	2400'	Anhy, Dolo	
Yates	2535'	Sandstone, Dolo	
Glorieta	5085'	Dolomite	
Blinebry	5585 <b>′</b>	Dolomite	Oil
Tubb	6160 <b>′</b>	Sandstone	Oil
Drinkard	6420′	Dolomite	Oil
Abo	6660 <b>′</b>	Limestone, Dolo	Oil

The base of the salt section is the top of the Tansill at 2400'. No abnormal pressures or temperatures are anticipated to be encountered in this well. H2S is possible in the Yates. H2S RADIUS OF EXPOSURE: 100ppm = 18', 500ppm = 8', based on 1050ppm H2S and 60 MCF (see attached H2S Drilling Operations Plan. H2S equipment to be operational prior to drilling out Surface Casing Shoe.)

Duration of Operation: 16 Days to Drill, 10 Days to Complete.

### PRESSURE CONTROL EQUIPMENT:

A 3000 psi Dual Ram type preventer with rotating head will be used. (See Exhibit C). We do not plan to have an annular preventer. We will be able to achieve full closure of the well with the double ram preventer. It will be installed after surface casing is set. BOP will be tested each time it is installed on a casing string and at least every 29 days, and operated at least once each 24-hour period during drilling.

A PVT system will not be installed. We will be drilling thru the reserve pit and will circulate the steel pits one hour each tour to check for gains and losses and will be noted on the driller's log, which is Texaco's policy.

We do not plan to run an automatic remote-controlled choke. We will have installed and tested two manual, H2S trimmed, chokes.

# CASING AND CEMENT PROGRAM:

The casing and cementing programs are detailed on Form 3160-3. All casing will be new.

Centralizer Program:

Surface Casing - Centralize the bottom 3 joints and every 4th to surface.

Production Casing - Centralize every other joint on bottom 1700'.

# MUD PROGRAM:

Depth	Туре	Weight	Viscosity
0'-1380'	Fresh Water	8.4	28
1380'-7300'	Brine	10.0	29

Bottom Hole Pressure at T.D. estimated to be 6.0 PPG EMW. (2277 PSI)

# LOGGING, TESTING:

GR-CNL-LDT and GR-DLL-MSFL surveys will be run.

Two-man Mud Logging Unit will be used from 5000' to 7300'.

No drill stem tests will be conducted.

No cores will be taken.

# DRILLING CONTROL CONDITION II-B 3000 WP

# FOR AIR DRILLING OR WHERE NITROGEN OR AIR BLOWS ARE EXPECTED





#### DRILLING CONTROL

#### MATERIAL LIST - CONDITION II - B

Texaco Wellhead

λ

B

- 3000f W.P. drilling spool with a 2" minimum flanged outlet for kill line and 3" minimum flanged outlet for choke line.
- C 3000\$ W.P. Dual ram type preventer, hydraulic operated with 1" steel, 3000\$ W.P. control lines (where substructure height is adequate, 2 - 3000\$ W.P. single ram type preventers may be utilized).
- D Rotating Head with fill up outlet and extended Blooie Line.
- 1,3,4, 2" minimum 3000# W.P. flanged full opening steel gate 7,8, valve, or Halliburton Lo Torc Plug valve.
- 2 2" minimum 3000# W.P. back pressure valve.
- 5,6,9 3" minimum 3000∮ W.P. flanged full opening steel gate valve, or Halliburton Lo Toro Plug valve.
- 12 3" minimum schedule 80, Grade "B", seamless line pipe.
- 13 2" minimum x 3" minimum 3000# W.P. flanged cross.
- 10,11 2" minimum 3000# W.P. adjustable choke bodies.
- 14 Cameron Hud Gauge or equivalent ( location optional in choke line).
- 15 2" minimum 3000# W.P. flanged or threaded full opening steel gate valve, or Halliburton Lo Torc Plug valve.

				VIV	TEXACO, INC.	
SCALE	DATE	EST NO.	DRG. NO			
CHECKED BY					EXHIBIT C	
APPROVED BY		1				

