December 1990) DEPARTMENT POOL CODE 5 3 8 0 0 3 Burget Burget No. 1004-0136 BUREAU OF L EFF DATE 3 / 2 / 45 Budget Burget No. 1004-0136 SUBMIT IN TRIPLICATE API NC 3 / 2 / 45 Expires: December 31, 1991 API NC 3 / 2 / 45 5. Leese Designation and Serial No. NM 18848 APPLICATION FOR PERMIT TO DRILL OR DEEPEN 5. Leese Designation and Serial No. NM 18848 1a. Type of Work DRILL DEEPEN 1a. Type of Welt SINGLE ZONE 8. If Indian, Alottee or Tribe Name OIL GAS OTHER MULTIPLE ZONE 2. Name of Operator TEXACO EXPLORATION & PRODUCTION INC. 6 3. Address and Telephone No. P.O. Box 3109, Midland Texas 79702 688-4606 4. Location of Well (Report location clearly and in accordance with any State requirements.') 10. Field and Pool, Explortory Area Al Surface TRISTE DRAW WEST & SAND DUNES SOUTH BONE		5'	OPER JORD	NO 22351				
Devenies 1890) DEPARTMENT POC: 7:05:			PHOPE PTY MO	15704				
Builder Name Builder Nummer Builder N	Form 3160-3		FE 5000 20002	522002		F	ORM APPRO	VED
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APPLICATION FOR PERMIT TO DILLL OR DEEPEN T. HUNK is CA. Agreement Designation 1b. Type of Weil OTHER SINCLE 20NE SWELL COME SWELL COME <td></td> <td></td> <td>APINC 30-</td> <td>025-3286</td> <td>.5</td> <td>5. I.ease Designation</td> <td></td> <td></td>			APINC 30-	025-3286	.5	5. I.ease Designation		
The Type at Well Contract Service	A	PPLICATION FOR P	ERMIT TO DRILL	OR DEEPEN		6. If Indian, Alottee	or Tribe Name)
OLL OKS OTHER MILTPLEZONE Walt Teams and Number Nummer Nummer Nummer Nummer TEXACO EXPLORATION & PRODUCTION INC. Address and Tetrishome Mo. P.O., Box 3106, Midland Texas 75702 OBD-4606 API Wall No. Created and Proof, Exploratory Area Titize Texas Address and Tetrishome Mo. P.O., Box 3106, Midland Texas 75702 OBD-4606 API Wall No. Created and Proof, Exploratory Area Titize Texas State Township 23-5, Range 32-8 Township 23-5, Range 32-8 State State<td>1a. Type of Work D</td><td></td><td></td><td></td><td></td><td>7. If Unit or CA, Agr</td><td>reement Desig</td><td>nation</td>	1a. Type of Work D					7. If Unit or CA, Agr	reement Desig	nation
WRLL OTHER MULTPLE ZONE SDE 31' FEDERAL 2. Name of Operator TEXACO EXPLORATION & PRODUCTION INC. 6 3. Address and Telephone No. P.O. Box 3100, Multimud Texas 79702 688-4006 P. API Wall No. 4. Location of Wall (Report location clearly and in accordance with any State requirements.?) 10. Field and Pool. Exploring Area 10. Field and Pool. Exploring Area 3. Address and Telephone No. G. 1980 Feel From The AORTH Lines and 1980 Feel From The EAST Line 10. Field and Pool. Exploring Area 3. Address and Direction from Neuron Town of Poil Officit* 23. Address and Direction from Neuroper Aragement Street Town of Poil Officit* 11. SEC, T, R, M, or BLK and Survey or Area 15. Detauron From Proposed Location to Neuronet Town of Powert or Direct* 13. State 13. State 16. Detauron From Proposed Location to Neuronet Town of Powert or Internet Street Neuronet Street Stree	1b. Type of Well			SINGLE ZONE				<u> </u>
IEXACO EXPLOYATION & PRODUCTION NC. 6 3. Address and Telephone No. P.O. Box 3109, Mediand Texas 79702 688-4006 P.AP! Wel No. 10. Field and Pool. Exploring Y and in accordance with any State requirements.? 10. Field and Pool. Exploring Y and in accordance with any State requirements.? 10. Field and Pool. Exploring Y and Texas 70702 688-4006 A strans and Telephone Y and Texas 70702 688-4006 10. Field and Pool. Exploring Y and Texas 70702 10. Field and Pool. Exploring Y and Texas 7000 Pool. The XAST Use A strans and Y		OTHER		MULTIPLE ZONE				
P.O. Box 3100, Mediand Texas 57072 box-Rule 4. Location of Weil (Report Location of early and in accordance with any State requirements?) 10 Field and Pool. Explortory Area N3 Surface State requirements?) 10 Field and Pool. Explortory Area N3 Surface State State requirements?) 10 Field and Pool. Explortory Area N3 Surface State State State State 11 SEC	2. Name of Operator	TEXACO EXPLORA		N INC.		6		
Al Surface Unit Lafe G : 1980 Feel From The NORTH Line and 1980 Feel From The EAST Line Target DRAW WEST A SAND DURES SOUTH BONE SAVE See 31, Township 23-8, Range 32-E 14. Distance Trom Proposed Location's from Nerred Tom or Pool Office' 23 MLES BAST OF LOVING, NM 15. Distance From Proposed Location's Nerred Tom or Pool Office' 23 MLES BAST OF LOVING, NM 16. Distance From Proposed Location's Nerred Tom or Pool Office' 23 MLES BAST OF LOVING, NM 17. No. of Actre Assigned To This West 18. Distance From Proposed Location's Nerred Tom or Pool Office' 19. Pool and Pool and No. of Actre Assigned To This West 18. Distance From Proposed Location's Nerred West Office' 19. Pool and Pool and No. of Actre Assigned To This West 18. Distance From Proposed Location's Nerred West Office' 19. Pool and Pool and No. of Actre Assigned To This West 18. Distance From Proposed Location's Nerred West Office' 19. Pool and Pool and To This West 18. Distance From Proposed Location's Nerred West Office' 19. Pool and Pool and To This West 19. Distance From Proposed Location's Nerred West Office' 21. Elevatione (Show whether DF AT, GR, etc.) GR-3000 Cartify The R FOOT SETTING DEPTH 22. Approx. Date Work Will Start' 21. Bond Start Start's Cartify To The Start's Cartify To Car	3. Address and Telephone	No. P.O. Box 3109, Mid	and Texas 79702	688-460	06	9, API Well No.		
A Surface Unit Letter G : 1980 Feet From The NORTH Line and 1980 Feet From The EAST Line TBUSTE DRAW WEST & SANDENLESSOTTH SONE Appropriate of project Line Source	4. Location of Well (Report	location clearly and in accord	ance with any State requi	rements.")	ŀ	10. Field and Pool,	Explortory Are	
All proposed prod. 2010 SAME Sec. 31, Township 23.8, Range 32.4 14. Distance in Melies and Direction from Meeneer Town or Pool Office* 23.44.25 BAST OF LOVING, NM 12. Country or Pariah 13. State 15. Distance From Proposed Location to Nearest Town or Pool Office* 23.44.25 BAST OF LOVING, NM 12. Country or Pariah 13. State 16. Distance From Proposed Location to Nearest Town of Media 14.00 16.0. of Acres A stagined To The Well 40 17. No. of Acres A stagined To The Well 12.0. Of Acres A stagined To The Well 40 18. Declance From Proposed Location* To Nearest Well, Drilling, 1327 19. Proposed Depth 20. Rotery or Cable Tools 40 21. Elevations (Show whether DF.RT, GR, etc.) GR-3605 Crafteb nd Contract Call With an TB00/n 22.4 Approx. Date Work Will Start 22. Species GRADE: SZE OF HOLE GRADE: SZE OF COSING AND CEMENT PROGRAM 22.4 Approx. Date Work Will Start 32.27 78 J55.16.0, 5 1/2 15.5 4 178 92.007 1725 SACKS - CRCULATE 14.24 WC40, 11.34 428 945 560 SACKS - CRCULATE 11 WC50, 8 5.48 328 4557 14.208 DACKS - CRCULATE 11.1 WC50, 8 5.48 328 4567 14.208	At Surface					TRISTE DRAW WI	EST & SAND I	DUNES SOUTH BONE
SAME Sec. 31, Township Township 23-S, Range 32-E 14. Detance In Mises and Direction from Nearest Property or Lease Lies, PL (also in nearest From Yor) (also in the set of Property or Lease Lies, PL (also in nearest Grund File, Rey) 1900 12. Country or Parish (BM, 31 13. State (LEA) 13. State (LEA) 13. State (LEA) NM 15. Distance From Proposed C-Scotion to Nearest Property or Lease Lies, PL (also in nearest Grund File, Rey) 1900 19. Proposed Depth (SC Also in Amount SC Also in Amoun		Feet From The NOR	H Line and 1980	reet From The EAST			*	
14. Distance in Miles and Direction from Neurest Town or Post Office" 12. Country or Partah 13. State 15. Distance From Proposed Location Ib Meerest Property or Lease Line, FL (site is measured dig, until line, If any) 1990 15. No. of Acres is Lesse 17. No. of Acres Assigned To This Well 16. Distance From Proposed Location Ib Meerest Property or Lease Line, FL (site is measured dig, until line, If any) 1990 16. No. of Acres is Lesse 17. No. of Acres Assigned To This Well 18. Distance From Proposed Location Ib Meerest Property or Lease Location I's Meeterst Well, Drilling, Completed of Applet Prof. Off Th. Lesse, FL 1227 20. Retury or Cable Tools 21. Elevations (Show whether DF.RT, GR, etc.) GR-3600 Catelet ad Confict Elevation 27. Elevation 21. Approx. Date Work Will Start* 23. PROPOSED CASING AND CEMENT PROGRAM Support Acres Assigned To This Well 21. Approx. Date Work Will Start* 11 WCS0, 8. 5/8 328 4550 505 sACKS - CIRCULATE 11 WCS0, 8. 5/8 328 4550 505 sACKS - CIRCULATE 12 USE And Crist Start 155. & 178 82007 1725 SACKS - CIRCULATE 11 WCS0, 8. 5/8 328 4550 174 ELEX 18. Start 11 WCS0, 8. 5/8 328 1.56. A 176	At proposed prod. zona	s				Sec. 31 1	Township 2	3-5 Bange 32-F
23 MESS EAST OF LOWING, MM LEA NM 15. Distance From Proposed* Location to Meresti Property or Least Line, FL, took to merest diff, unline, K any 1987 1984.13 17. No. of Acres Assigned To This Well 18. Detained From Proposed* Location to Meresti Property or Least Line, FL, took to merest diff, unline, K any 1987 1984.13 20. Rotary or Cable Tooks 21. Elevations (Show whether DF.AT, GR, etc.) GR-3600* Critigh htd Confront in Meresti 22. Approx. Date Work Will Start 23. PROPOSED CASING AND CEMENT PROGRAM 22. Approx. Date Work Will Start 215965 32. PROPOSED CASING AND CEMENT PROGRAM 24. Approx. Date Work Will Start 215965 32.0 GRADE, SZE OF CASING WEIGHT PER POOT SETTING DEPTH OUANTITY OF CEMENT 11 WCS0, 8 5/8 328 4550* 1460 SACKS - CIRCULATE 77.6 13.051.80, 51/2 15.5 & 178 2000* 1725 SACKS - CIRCULATE 21. SWERCE CASING - 350 SACKS CLASS C W/ 4% GEL, 2% CACL2 (13.5 PPG, 1.74 CF/S, 9.11 GW/S). F/B 200 SACKS CLASS C W/2% CACL2 (14.8 PPG, 1.34 CF/S, 6.3 GW/S). DIRFERINGUATION CASING - 1300 SACKS 3056 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8 PPG, 1.94 CF/S, 10.4 GW/S). F/B 150 SACKS CLASS H (15.6 PPG, 1.18 CF/S, 5.2 GW/S). INTERMEDIAT	14. Distance is Miles and D		· · · · · · · · · · · · · · · · · · ·				······	
15. Detunes From Proceed Location to Nearest Property or Lease Line, FL (also to nearest drig, unit line, if any) 1967 18. No. of Acres A Lease 1994.13 17. No. of Acres A Leagend T 1994.13 17. No. of Acres A Leagend T 20. Rotary or Cable Tools ROTARY 21. Elevations (Show whether DF, AT, GR, etc.) GR-3007 Cratify Ind Control To To The Well S2007 20. Rotary or Cable Tools ROTARY 21. Elevations (Show whether DF, AT, GR, etc.) GR-3007 Cratify Ind Control To To The Well S2007 20. Rotary or Cable Tools ROTARY 22. Elevations (Show whether DF, AT, GR, etc.) GR-3007 Cratify Ind Control To The Well S2007 20. Rotary or Cable Tools ROTARY 23. PROPOSED CASING AND CEMENT PROGRAM GRADE, SEE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT 43.4 WC40, 11 3/4 422 445 505 BACKS - CIRCULATE 215.06 11 WC50, 8 5/8 32.8 45507 1450 SACKS - CIRCULATE 215.06 14 WC40, 11 3/4 42.8 445 505 BACKS - CIRCULATE 215.06 11 WC40, 13 3/4 42.8 445 505 BACKS - CIRCULATE 215.06 15.5 A 17.8 32.06 17.4 25.06 216.06 22.07 172.5 25.07 22	14. Distance in where and D					-		
Term Term <th< td=""><td></td><td></td><td></td><td>16. No. of Acres in Lease</td><td></td><td>17. No. of Acres A</td><td>ssigned To Thi</td><td></td></th<>				16. No. of Acres in Lease		17. No. of Acres A	ssigned To Thi	
Completed or Applied For, On This Lease, FL 1327 9207 ROTARY 21. Elevations (Show whether DF,RT, GR, etc.) GR-3600 Critish ad Confriction With The TBBIN 22. Approx. Date Work Will Start 23. PROPOSED CASING AND CEMENT PROGRAM Set Timb DEPTH QUANTITY OF CEMENT 14.34 WC40, 11.34 428 945 So SACKS - CIRCULATE 11 WC50, 8.56 328 4557 1450 SACKS - CIRCULATE 11 WC50, 8.56 328 4557 1450 SACKS - CIRCULATE 17.76 J55L80, 5.1/2 15.5 4.178 9207 1725 SACKS - CIRCULATE SURFACE CASING - 350 SACKS CLASS C W/ 4% GEL, 2% CACL2 (13.5 PPG, 1.74 CF/s, 9.11 GW/s). F/B 200 SACKS CLASS C W/ 2% CACL2 (14.8 SURFACE CASING - 1300 SACKS SCBS POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8 PPG, 1.94 CF/s, 10.4 GW/s). F/B 150 SACKS CLASS H (15.6 PPG, 1.18 CF/s, 5.2 GW/s). PRODUCTION CASING - 157 STAGE - 750 SACKS 5050 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8 PPG, 1.94 CF/s, 10.4 GW/s). F/B 225 SACKS CLASS H (15.6 PPG, 1.16 CF/s, 5.2 GW/s). PRODUCTION CASING - 157 STAGE - 750 SACKS 5050 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8 PPG, 1.94 CF/s, 10.4 GW/s). F/B 225 SACKS CLASS H (15.6 PPG, 1.16 CF/s, 5.2 GW/s). THERE ARE NO OTHER OPERATORS IN THIS QUARTER QUAR	Lease Line, Ft. (also to nee	rest drig. unit line, if any)	1960'	1994.13			40	
GR-3606* Critish to Generation in the Generation of the Balin 21598 23. PROPOSED CASING AND CEMENT PROGRAM SIZE OF HOLE GRADE, SZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT 14 3/4 WC40, 11 3/4 42/8 94/5 550 SACKS - GIRCULATE 11 WC60, 8 5/8 32/8 45/50 1450 SACKS - CIRCULATE 7/7 JS51,80, 5 1/2, 15.5 & 17/8 92/00 1725 SACKS - CIRCULATE CEMENTING PROGRAM: SURFACE CASING - 350 SACKS CLASS C W/ 4% GEL, 2% CACL2 (13.5 PPG, 1.74 CF/S, 9.11 GW/S). F/B 200 SACKS CLASS C W/ 2% CACL2 (14.8 PPG, 1.34 CF/S, 6.3 GW/S). Intermediate CASING - 1300 SACKS 35/65 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8 PPG, 1.94 CF/S, 10.4 GW/S). F/B 150 SACKS CLASS H (15.6 PPG, 1.18 CF/S, 5.2 GW/S). NTERMEDIATE CASING - 15T STAGE - 750 SACKS 50/50 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8 PPG, 1.94 CF/S, 10.4 GW/S). F/B 225 SACKS CLASS H (15.6 PPG, 1.18 CF/S, 5.2 GW/S). THERE ARE NO OTHER OPERATORS IN THIS QUARTER QUARTER SECTION. Image: Advance of the second program. If any content						20. Rotary or Cable		
SIZE OF HOLE GRADE, SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT 14 3/4 WC40, 11 3/4 42# 945 550 SACKS - CIRCULATE 11 WC50, 8 5/8 32# 4550 1450 SACKS - CIRCULATE 11 WC50, 8 5/8 32# 4550 1450 SACKS - CIRCULATE 77/8 JS5,L80, 5 1/2 15.5 & 17# 9200° 1725 SACKS - CIRCULATE CEMENTING PROGRAM: SURFACE CASING - 350 SACKS CLASS C W/ 4% GEL, 2% CACL2 (13.5 PPG, 1.74 CF/S, 9.11 GW/S). F/B 200 SACKS CLASS C W/ 2% CACL2 (14.8 PPG, 1.36 CF/S, 5.3 GW/S). INTERMEDIATE CASING - 1300 SACKS 35/65 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8 PPG, 1.94 CF/S, 10.4 GW/S). F/B 150 SACKS CLASS H (15.6 PPG, 1.18 CF/S, 5.2 GW/S). PRODUCTION CASING - 15T STAGE - 750 SACKS 50/50 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8 PPG, 1.94 CF/S, 10.4 GW/S). F/B 225 SACKS CLASS H (15.6 PPG, 1.18 CF/S, 5.2 GW/S). THERE ARE NO OTHER OPERATORS IN THIS QUARTER QUARTER SECTION. In Above Space Describe Proposed Program: If proposal is to deepen, give deta on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured true verticle depth. Give blowould preventer program, If any. 24 Integram of X #FIDQ TITLE Eng. ASSIStant DATE 1/20	21.Elevations (Show wheth		1-3606"	Carlsbad Costrollo	d Not	er Beeln	22. Approx. Da	
Under Strict Worke, 11 3/4 42# 945 550 SACKS - CIRCULATE 11 WC50, 8 5/8 32# 455/ 1450 SACKS - CIRCULATE 77/8 J55,L80, 5 1/2 15.5 & 17# 9200' 1725 SACKS - CIRCULATE 77/8 J55,L80, 5 1/2 15.5 & 17# 9200' 1725 SACKS - CIRCULATE CEMENTING PROGRAM: SURFACE CASING - 350 SACKS CLASS C W/ 4% GEL, 2% CACL2 (13.5 PPG, 1.74 CF/S, 9.11 GW/S). F/B 200 SACKS CLASS C W/ 2% CACL2 (14.8 PPG, 1.34 CF/S, 6.3 GW/S). INTERMEDIATE CASING - 1300 SACKS 35/65 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8 PPG, 1.94 CF/S, 10.4 GW/S). F/B 150 SACKS CLASS H (15.6 PPG, 1.18 CF/S, 5.2 GW/S). PRODUCTION CASING - 1300 SACKS 35/65 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8 PPG, 1.94 CF/S, 10.4 GW/S). F/B 150 SACKS CLASS H (15.6 PPG, 1.18 CF/S, 5.2 GW/S). PRODUCTION CASING - 1300 SACKS 35/65 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8 PPG, 1.94 CF/S, 10.4 GW/S). F/B 225 SACKS CLASS H (15.6 PPG, 1.18 CF/S, 5.2 GW/S). THERE ARE NO OTHER OPERATORS IN THIS QUARTER QUARTER SECTION. Image: Angle and an auburifice locations and measured true verticle depthe. Give biowout preventer program. If proposal is to detill or depthe. Give biowout preventer program. If any. 21 Inscisy worth text biogenesis is the explicant holds legal or equitable tile to those and proposed new productive zone. If proposal is to drill or depthe. Give biowout preventer program. If any. 21 Inscisy worth text biogenes is to and commer	23.		PROPOSED CASI	NG AND CEMENT P	ROGR	AM		
11 WCS0, 8 56 328 4550' 1450 SACKS - CIRCULATE 77/8 J55L80, 5 1/2 15.5 & 178 9200' 1725 SACKS - CIRCULATE 77/8 J55L80, 5 1/2 15.5 & 178 9200' 1725 SACKS - CIRCULATE CEMENTING PROGRAM: SURFACE CASING - 350 SACKS CLASS C W/ 4% GEL, 2% CACL2 (13.5 PPG, 1.74 CF/S, 9.11 GW/S). F/B 200 SACKS CLASS C W/ 2% CACL2 (14.8 PPG, 1.34 CF/S, 6.3 GW/S). NTERMEDIATE CASING - 1300 SACKS 35/65 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8 PPG, 1.94 CF/S, 10.4 GW/S). F/B 150 SACKS CLASS H (15.6 PPG, 1.18 CF/S, 5.2 GW/S). PRODUCTION CASING - 150 SACKS 50/50 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8 PPG, 1.94 CF/S, 10.4 GW/S). F/B 225 SACKS CLASS H (15.6 PPG, 1.18 CF/S, 5.2 GW/S). PRODUCTION CASING - 150 SACKS 35/65 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8 PPG, 1.94 CF/S, 10.4 GW/S). F/B 225 SACKS CLASS H (15.6 PPG, 1.18 CF/S, 5.2 GW/S). THERE ARE NO OTHER OPERATORS IN THIS QUARTER QUARTER SECTION. Image: Angle of the state on subsurface locations and measured true verticle depths. Give blowout preventer program. If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give partment due state on subsurface locations and measured true verticle depths. Give blowout preventer program. If any. 24 Theory early text to steget the state on subsurface locations and measured true verticle depths. Give blowout preventer program. If any. ITTLE Eng. ASSIStant DATE 1/20/95 DATE 1/20/95 </td <td>SIZE OF HOLE</td> <td>GRADE, SIZE OF CASING</td> <td>WEIGHT PER FOOT</td> <td>SETTING DEPT</td> <td>ТН</td> <td>QU</td> <td>JANTITY OF C</td> <td></td>	SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPT	ТН	QU	JANTITY OF C	
77/8 J55L80, 5 1/2 15.5 & 178 9200' 1725 SACKS - CIRCULATE CEMENTING PROGRAM: SURFACE CASING - 350 SACKS CLASS C W/ 4% GEL, 2% CACL2 (13.5 PPG, 1.74 CF/S, 9.11 GW/S). F/B 200 SACKS CLASS C W/ 2% CACL2 (14.8 PPG, 1.34 CF/S, 6.3 GW/S). NTERMEDIATE CASING - 1300 SACKS 35/65 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8 PPG, 1.94 CF/S, 10.4 GW/S). F/B 150 SACKS CLASS H (15.6 PPG, 1.18 CF/S, 5.2 GW/S). RRODUCTION CASING - 15T STAGE - 750 SACKS 50/50 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8 PPG, 1.94 CF/S, 10.4 GW/S). F/B 225 SACKS CLASS H (15.6 PPG, 1.18 CF/S, 5.2 GW/S). RRODUCTION CASING - 15T STAGE - 750 SACKS 50/50 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8 PPG, 1.94 CF/S, 10.4 GW/S). F/B 225 SACKS CLASS H (15.6 PPG, 1.18 CF/S, 5.2 GW/S). THERE ARE NO OTHER OPERATORS IN THIS QUARTER QUARTER SECTION. In Above Space Describe Proposed Program: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give patriment data on subsurface locations and measured true verticle depths. Give blowout preventer program, If ary. 24: Invasive web test has torgoing is to an experiment for a subsurface locations and measured true verticle depths. Give blowout preventer program, If ary. 24: Invasive web test has torgoing is to an experiment between to contact operation as and measured true verticle depths. Give blowout preventer program, If ary. 24: Invasive web test has torgoing is to an experiment or periment productive zone. If proposal is to drill or deepen directionally, give patres to contact operations and measures to thote rights	14 3/4	WC40, 11 3/4	42#	945'		550 SACKS - CI	RCULATE	<u></u>
CEMENTING PROGRAM: SURFACE CASING - 350 SACKS CLASS C W/ 4% GEL, 2% CACL2 (13.5 PPG, 1.74 CF/S, 9.11 GW/S). F/B 200 SACKS CLASS C W/ 2% CACL2 (14.8 PPG, 1.34 CF/S, 6.3 GW/S). NTERMEDIATE CASING - 1300 SACKS 35/65 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8 PPG, 1.94 CF/S, 10.4 GW/S). F/B 150 SACKS CLASS H (15.6 PPG, 1.18 CF/S, 5.2 GW/S). PRODUCTION CASING - 1ST STAGE - 750 SACKS 50/50 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (14.2 PPG, 1.35 CF/S, 6.3 GW/S). DV TOOL @ 6300. 2ND STAGE - 750 SACKS 35/65 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8 PPG, 1.94 CF/S, 10.4 GW/S). F/B 225 SACKS CLASS H (15.6 PPG, 1.18 CF/S, 5.2 GW/S). THERE ARE NO OTHER OPERATORS IN THIS QUARTER QUARTER SECTION. In Above Space Describe Proposed Program: If proposal is to deepen, give data on present productive 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 blowult preventer program, If any. 24. Inactor work the two two protective zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured true verticle depths. Give blowult preventer program, If any. 24. Inactor work the two two protective zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured true verticle depths. Give blowult preventer program, If any. 24. Inactor work to the two proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured true verticle depths. Give blowult preventer program, If any. 24. Inactor work to the two pertinent data on the underment SIGNATURE C. Wade Howard 74. Inactor work that the two pertinent holds legal or equitable the to those nights in the subject lease which would entitle the applicant to conduct operations thereon. APPROVAL DATE Application approval does not werrant or perting tholes legal or equilable title to those nights in	11	WC50, 8 5/8	32#	4550'		1450 SACKS - C	IRCULATE	
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APPROVAL DATE	TYPE OR PRINT NAME	C. Wade	Howard					
Application approval does not warrant or 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. APPROVED BY Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y<	(This space for Federal or State offic	26 (166)						
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CONDITIONS OF APPROVAL, IF ANY: Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or	11	warrant or certify that the applicant		o those rights in the subject leas	se which w			
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or vesentations as to any matter within its jurisdiction.		<u> </u>	<u> </u>	TING MANAU		<u></u>	_DATE_ <u>~</u>	
	Title 18 U.S.C. Section 1001, I resentations as to any mat	makes it a crime for any person kn ter within its jurisdiction.	owingly and willfully to make t	to any department or agency of th	the United	States any false, fictitio	ous or fraudulent	statements or

Form 3160-5 UN					
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(,	INT OF THE INTERIOR	FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993			
BUREAU OF	LAND MANAGEMENT				
	S AND REPORTS ON WELLS	5. Lease Designation and Serial No. NM 18848			
	o drill or to deepen or reentry to a different reservoir. FOR PERMIT" for such proposals	6. If Indian, Alottee or Tribe Name			
		7. If Unit or CA, Agreement Designation			
1. Type of Well: OIL GAS WELL WELL		8. Well Name and Number			
2. Name of Operator		SDE '31' FEDERAL			
3 Address and Telenhone No	ATION & PRODUCTION INC.	6 9. ADI MAILING			
P.O. Box 46510, D 4. Location of Well (Footage, Sec., T., R., M., or Surve	enver Colorado 80201-6510 (303)621-485	9. API Well No.			
	he <u>NORTH</u> Line and <u>1980</u> Feet From The	10. Field and Pool, Exploratory Area TRISTE DRAW WEST & SAND DUNES SOUTH BONE			
EAST Line Section 31	Township 23-S Range 32-E	11. County or Parish, State LEA , NM			
12. Check Appropriate	Box(s) To Indicate Nature of Notice, Re	eport, or Other Data			
TYPE OF SUBMISSION	ר ד	PE OF ACTION			
	Abandonment	Change of Plans			
	Recompletion	New Construction			
Notice of Intent	Plugging Back	Non-Routine Fracturing			
Subsequent Report	Casing Repair	Water Shut-Off			
Final Abandonment Notice	Attering Casing	Conversion to Injection			
	OTHER:	Dispose Water			
		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log Form.)			
	my state all pertinent details, and give pertinent dates, including	estimated date of starting any proposed work. If well is			
directionally drilled, give subsurface locations and r We request approval to amend the APD as follow Casing Program: Surface Csg: 950' 8-5/8", 24# WC-50. ب Production Csg: 9200' 5-1/2": 0 - 7500' 15.5#, 7500' - 8700' 17#, J-55, LTC 8700' - 9200', 17#, L-80, LTC DV tool @ 5300' Cement Program: Surface Csg: 175 sxs Class C w/ 4% gel, 2% C GW/sx). LIN CIRCULATE CEI Production Csg: 1st Stg: 750 sxs 35/65 poz "H" w/ 6% gel, 5% sa GW/sx). LIN CIRCULATE C	neasured and true vertical depths for all markers and zones per s: I(I'' Hole . * J-55, LTC $i H 78 *$ aCl2 (13.5 ppg, 1.74 cf/sx, 9.11 GW/sx). F/B 150 sxs Cl TE NT TO THE SURFACE . * alt, 1/4# /sxs flocele (14.2 ppg, 1.35 cf/sx, 6.3 GW/sx). I alt, 1/4# /sxs flocele (12.8 ppg, 1.94 cf/sx, 10.4 GW/sx). I ENEMT TO THE SURFACE . *	ass C w/ 2% CaCl2 (14.8 ppg, 1.34 cf/sx, 6.3.) F/B 100 sxs Class H neat (15.6 ppg, 1.18 cf/sx, 5.2			
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DISTRICT 1 P. O. Box 1980, Hobba, NM 88240

DISTRICT II P 0 Drower DD, Artesio, NM 85210

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

DISTRICT IV P. O. Box 2088, Santa Fe. NM 87504-2088

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised February 10, 1994

Instructions on back

Submit to Appropriate District Office

State Lease-4 copies Fee Lease-3 copies

AMENDED REPORT

PO Box 2088 Santa Fe, NM 87504-2088

OIL CONSERVATION DIVISION

WELL LOCATION AND ACREAGE DEDICATION PLAT



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DRILLING PROGRAM

SDE `31' FEDERAL WELL NO. 6

SURFACE DESCRIPTION:

The land surface in this area is relatively level with moderate sand dunes. Regionally, the land slopes to the West. Vegetation consists mainly of scrub oak, mesquite, and range grasses.

FORMATION TOPS: Estimated KB Elevation: 3616'

Formation	<u>Depth</u>	Lithology	<u>Fluid Content</u>
Rustler Salado Delaware Mtn Group Cherry Canyon Brushy Canyon- Pay Lower Brushy Canyon- Pay	930' 1245' 4620' 5550' 7100' 8150'	Anhydrite, Salt Salt Sandstone, Shale Sandstone, Shale Sandstone, Shale Sandstone, Shale	 Oil/Gas Oil/Gas Oil/Gas Oil/Gas
Bone Spring- Pay	8570 '	Limestone	Oil/Gas

The base of the salt section is found around 4390'. No abnormal pressures, temperatures, or hazardous gases are anticipated to be encountered in this well. Texaco recently drilled four wells in this area (2 in this section) and no H2S was encountered.

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.

OCD NORDE OFFICE

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.

Intermediate Casing - Centralize the bottom 3 joints.

Production Casing - Centralize bottom 500' every other cplg. and above and below the DV tool.

MUD PROGRAM:

Depth	Туре	Weight	<u>Viscosity</u>
0'-945'	Fresh Water	8.4	28
945'-4550'	Brine Water	10.0	29
4550'-6500'	Fresh Water	8.4	28
6500'-9200'	FW/Starch	8.4-8.7	29-33

Bottom Hole Pressure at T.D. estimated to be 8.4 PPG EMW.

LOGGING, TESTING:

GR-CAL-DSN-SDL and GR-CAL-DISFL surveys will be run.

A two-man Mud Logging Unit will be used from 4400' to 9200'.

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



SCALE

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CHECKED EY



H2S TRIM REQUIRED

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EXHIBIT C

YES

DRILLING CONTROL

MATERIAL LIST - CONDITION II - B

Texaco Wellhead A 1000# W.P. drilling spool with a 2" minimum flanged outlet for kill line and 3" minimum flanged outlet for в choke line. 30005 W.P. Dual ram type preventer, hydraulic operated with 1" steel, 30005 W.P. control lines (where sub-structure height is adequate, 2 - 30005 W.P. single ram type preventers may be utilized). С Rotating Head with fill up outlet and extended Blooie D Line. 2" minimum 3000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve. 1,3,4, 7,8, 2" minimum 3000# W.P. back pressure valve. 2 3" minimum 3000# W.P. flanged full opening steel gate valve, or Halliburton Lo Toro Plug valve. 5.6.9 3" minimum schedule 80, Grade "B", seamless line pipe. 12 2" minimum x 3" minimum 3000# W.P. flanged cross. 13 2" minimum 3000# W.P. adjustable choke bodies. 10,11 Cameron Hud Gauge or equivalent (location optional in 14 choke line). 2" minimum 3000# W.P. flanged or threaded full opening steel gate valve, or Halliburton Lo Torc Plug valve. 15 TEXACO, INC. **VI** ----------DATE EST NO DRG NO