| APPLICATION FOR PERMIT TO DRILL OR DEEPEN LC 957210 TWE BY REAK CONSCIENCE DORLL CONSCIENCE DEEPEN TWE BY REAK OTHER DARL CONSCIENCE THE BY REAK ALL CONSCIENCE CONCOL INC. NOCLE 2018 CONCOL INC. NOCLE 2018 DI DESEA DIVE, Ste, 649W, MIdland, TX 70705 TOTAL SAMPRET NOCLE 2018 DI DESEA DIVE, Ste, 649W, MIDLAN, TX 70705 TOTAL SAMPRET NOCLE 2015 DI DESEA DIVE, Ste, 649W, MIDLAN, TX 70705 TOTAL SAMPRET NOCLE 2015 DI DESEA DIVE, Ste, 649W, MIDLAN, TX 70705 TOTAL SAMPRET NOCLE 2015 DI DESEA DIVE, Ste, 7000 FELL CONCOL CODE 1/322.9 DI DESEA DIVE, Ste, 7100 FELL PROPERT NO 325.4 SWI PSL & 1250 FEL PROPERT NO 325.4 DI DESEA DIVE, Ste, 7100 FELL PROPERT NO 325.4 DI DESEA DIVE, Ste, 7100 FELL PROPERT NO 325.4 DI DESEA DIVE, Ste, 7100 FELL PROPERT NO 325.4 DI DESEA DIVE, Ste, 7100 FELL PROPERT NO 325.4 DI DESEA DIVE, Ste, 7100 FELL PROPERT NO 325.4 DI DESEA DIVE, Ste, 7100 FELL PROPERT NO 325.4 DI DESEA DIVE, Ste, 7100 FELL PROPOSED CASING AND CE | | EPARTMENT OF BUREAU OF LAND | | R | S. LEASE D | FORM A OMB NO. Expires Feb ESIGNATION AN | 1004-0136 ruary 28, 1995 ND SERIAL NO. |
|--|--|--|--|--|--|--|---|
| In Precision Mark DEEPEN Image: Control of the Numeric State Stat | APPLICAT | | | | | | |
| TYPE OF WALL OTHER SHICLE ZONE MALTERE ZONE Internet Zone Internet Zone TYPE OF WALL OTHER SHICLE ZONE MALTERE ZONE Internet Zone Concord Inc. TYPE WALL NO So 2.5.3.5.14.2. MURSY NOT Electrone Water Note OPECR. GGRID NO. SOZIS So 2.5.3.5.14.2. Multimer Education with year methods with year OPECR. GGRID NO. SOZIS Maltimer Grayburg/San Andres Anadae POOL CODE 4.33.2.0. So 7.14.2. Maltimer Grayburg/San Andres Market with Year No DOI ADD TELL (S. GRID NO. SOZIS So 7.14.2. Anadae POOL CODE 4.33.2.0. So 7.14.2. Maltimer Grayburg/San Andres So 7.14.2. Maltimer Grayburg/San Andres Maltimer Grayburg/San Andres Concords to source the Maltine data with year methods with year metho | TYPE OF WORK | | | | 6. IF INDIA | N, ALLOTTEE OI | R TRIBE NAME |
| TYPE OF WILL OTHER SINCLE ZONE MILTIPLE ZONE | DRILL | | | | 7 UNIT AG | REFMENT NAM | F |
| Oil: WILL | TYPE OF WELL | | | | | 1/1:1- | |
| CONCOCO Inc. 300 ADDRESS NOT DELEMENT NO DO Esta Drive, Ste, 649W. Midland, TX 79705 300 | OIL WELL GAS WELL | OTHER | SINGLE ZONE | MULTIPLE ZONE | | LEASE NAME | WELL NO. |
| NONDEST OF VIEL HARDEN UNDER THE STATE OF A ST | | | n | | | | |
| 10 Desta Drive, Ste, 649W, Midland, TX 79705 In RED AND FOL, DA WIGAT 2017 NOT WELL REQUITY BY INSTRUME TO PERF. CGR PID NO. 50/3 10 DESTA DRIVE AS 2025 FWL Colspan="2">PERF. CGR PID NO. 50/3 NOT ACCESS TO FEL POPER CGR PIT NO. 320/5(A) S00 FSL & 1250 FEL POPER CGR PIT NO. 320/5(A) NOT ACCESS NUELS AND BURCHONFREGO SEGRET TOWNER TO SEE FF. DATE # 2.33-00 IN O. 300 ACCESS NUELSA APPOPER THON 0. 300-4005 ON OF ACCESS NUELS AND BURCHONFREGO SEGRET TOWNER TO SEGRET TOWNER TO SEGRET TOWNER TO SEGRET TOWNER TOWNER TO SEGRET TOWNER | | oco Inc. | | | | | ······ |
| OPER: CGRID NO. SQ13 Maljamar Grayburg/San Andres PEOPERTY NO. SQ250 Not and an account of the people | | Desta Drive, Ste, 649W, | Midland, TX 79705 | 5 | <u>30 -</u> | DJS. | 35142 |
| 2197 FSL & 2255 FWL PROPERTY NO.3056 Approved med too POOL CODE 432.9 DISTANCE INFORMERON REAGEST TOWNOR POST EFF. DATE BC. 27, TITS, NO.2257 Soc. 27, TITS, NO.225 DISTANCE INFORMERON REAGEST TOWNOR POST EFF. DATE DISTANCE TRANSFORME DEVENTION REAGEST TOWNOR POST EFF. DATE DISTANCE TRANSFORMERONE DEVENTION REAGEST TOWNOR POST EVENTION TOWNOR POST DISTANCE TRANSFORMERONE DEVENTION REAGEST TOWNOR POST APP INO. 3D-23.5 - 3.5 (4.2) DISTANCE TRANSFORMERONE DEVENTION IN BOO FACESS IN LEASE IN M DISTANCE TRANSFORMERONE DEVENTION IN ROTOSED DEPTH IN ROTOSED DEPTH IN ROTOSED DEPTH COMPACE TOWN TRANSFORM TOWNOR DEVENTION PROPOSED CASING AND CEMENTING PROGRAM IN ROTOSED DEPTH QUANTITY OF CEMENT ELEVATIONS (Show where BF. IF. CO. NEW YOR CASING AND CEMENTING PROGRAM SUPROVA DATA FROM REAGEST TOWN OF CASING AND CEMENTING PROGRAM IN ROTOSED DEPTH QUANTITY OF CEMENT 14-3/4" WC-40, 11-3/4" 42/4 WITTHESS 5007 10007 488 sts.s. circ. 1 I'' TOS, S.S.S.S. S.1/2" 17/# 39500 331 sts. circ. 5000 1 I'' TOS, S.S.S.S.S.1/2" 17/# 39500 331 s | LOCATION OF WELL (Report location At surface | on clearly and in accordance with any S | | RID NO. 507 | 2- | | |
| S80 FSL & 1250 FEL POOL CODE <u>4/33.20</u> Sec 27, TITS, B32E DIFFACE INSUES AND DIRECTOR FROM NEAREST TOWNORRENT EFF. DATE <u>2.3.2.00</u> ICOUNTY OF PARISH IS STATE DIFFACE FROM PROPOSATION API I NO. <u>30.27.45</u> ICOUNTY OF PARISH IS STATE DIFFACE FROM PROPOSATION IS NO OF ACMESTINILISAR ICOUNTY OF PARISH IS STATE PROPOSATION FROM PROPOSATION IS NO OF ACMESTINILISAR ICOUNTY OF PARISH ICOUNTY OF PARISH PROPOSATION FROM PROPOSATION IS NO OF ACMESTINILISAR ICOUNTY OF PARISH ICOUNTY OF PARISH PROPOSATION FROM PROPOSATION IS NO OF ACMESTINILISAR ICOUNTY OF PARISH ICOUNTY OF PARISH PROPOSATION IS NO OF ACMESTINILISAR ICOUNTY OF PARISH ICOUNTY OF PARISH PROPOSATION IS NO OF ACMESTINICAR ICOUNTY OF PARISH ICOUNTY OF PARISH ACMUSTING ACMESTIC COUNTY IS STATE ICOUNTY OF PARISH ICOUNTY OF PARISH INTERNO OF ACMESTIC COUNTY IS STATE ICOUNTY OF PARISH ICOUNTY OF PARISH INTERNO OF ACMESTIC COUNTY IS STATE ICOUNTY ICOUNTY ICOUNTY INTERNO OF ACMESTIC COUNTY ICOUNTY ICOUNTY ICOUNTY ICOUNTY IS APPROVAL SAND ICOUNTY ICOUNTY ICOUNTY ICOUNTY IS INTERNO OF ALL SAND IC | 2197' FSL & 2 | 255' FWL | PROPERTY | NO.3056 | | | g/San Andres |
| DISTANCE IN VIEWES AND DRIRECTION FROM NEARIEST TOWN OR FORT EFF. DATE 2.3-0.2 State API NO. 30-0.5-3.5/42 III (0.000000000000000000000000000000000 | | 250' FEL | | | AND SU | RVEY OR AREA | |
| API NO. 3D-PAS - 35/42 Lea NM Distance Regression Exo Grades Inc. FT. Inc. NO Grades Statement 10 Distance Regression FROPOSED IC ASING ADD CEMESTRILASE Inc. NO Grades Statement 40 Distance Regression State Tools Rotary 40 Distance Regression State Tools Rotary 40 Distance Regression State Tools Rotary 40 Distance Regression Bood Accession Rotary 40 Distance Regression Bood Accession Rotary 40 Distance Regression Bood Accession Rotary Rotary Distance Regression Bood Accession Bood Accession Rotary Distance Regression Bood Accession Bood Accession Bood Accession Bood Accession Distance Regression Bood Accession Bood Accession Bood Accession Bood Accession Bood Accession Distance Regression Bood Accession Bood Acce | DISTANCE IN MILES AND DIREC | TION FROM NEAREST TOWN OR F | ण्ज EFF. DATE | 8-23-00 | 12. COUNTY | | |
| DBTACE ROOM RODOSED CARTON TO NAMESTER FT. (Also to water day link link if way) 6 NO OF ACERS IN LEASE 10 THIS WELL ADD TO MAKEST WILL DELLING COMPLETED. 2000 10 THIS WELL ADD ROTANCE ROOM RODOSED LOCATION* 10 THIS WELL NO THIS WELL ADD THIS WELL AD | | | API NO. 32 | 0-025-351 | 42 | | |
| PROFERENCE AND PROPOSED DEATIONS 9. PROPOSED DEATIONS 40 DISTANCE FROM PROPOSED DEATIONS 9. PROPOSED DEATIONS 20. APPRANCE AND WORK CALLE FOOLS DISTANCE FROM PROPOSED DEATIONS 9. PROPOSED DEATIONS 22. APPRANCE NATE WORK WILL START DISTANCE FROM PROPOSED DEATIONS 9. PROPOSED DEATIONS 22. APPRANCE NATE WORK WILL START APPRING TO NITES LEASE, THE DISTANCE NATE WORK WILL START 3969 22. APPRANCE NATE WORK WILL START 11.11 1-55, 8-5/8" 24# 2100' 295 \$x8., circ. 11.11 1-55, 8-5/8" 24# 2100' 488 \$x8., circ. 11.11 10.00000 | | | 6. NO. OF ACRES IN LEASE | | 17. NO. OF ACRES A | SSIGNED | ININ |
| Distance Room Reported DCATION* PROPOSED DEPTH 4200° TVD; 6300° TMD Rotary Rotary | PROPERTY OR LEASE LINE, FT. |) | | | TO THIS WELL | 40 | |
| OR APPLIED FOR. OR THIS LEASE FT 42.00 TVD; 63:00 TMD Kotary BEEVATIONS (Blow whether processing of the second of the | DISTANCE FROM PROPOSED LOG | CATION* | 1 | | 20. RÔTARY OR CAB | LE TOOLS | |
| 3969' 8-01-2000 PROPOSED CASING AND CEMENTING PRORAM SIZE OF HOLE QUANTITY OF CEMENT 14-3/4" WC-40, 11-3/4" 42# WITNESS 509" 10 col 295 sxs., circ 11" J-55, 8-5/8" 24# 2100' 488 sxs, circ. 295 sxs., circ 7-7/8" J-55, 5-1/2" 17# 3950' 331 sxs, circ. 4-3/4" Open hole 17# 3950' 331 sxs, circ. 4-3/4" Open hole 17# 3950' 331 sxs, circ. 1.1" J-55, 5-1/2" 17# 3950' 331 sxs, circ. 4-3/4" Open hole Image: State of Call and the open hole Image: State of Call and the open hole Image: State of Call and the open hole It is proposed to drill a horizontal well as a Grayburg/San Andres producer. An NOS was filed 6/8/00. The well will be drilled and call and cordination and Acreage Dedication Plat (C-102) along with other associated maps and plats. Image: State of Call and Call | OR APPLIED FOR, ON THIS LEAS | SE, FT | 4200° I VD | , 0300' IMD | | • | LI CTADTS |
| SIZE OF HOLE GRADE, SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT 14-3/4" WC-40, 11-3/4" 42# WITNESS 50% 1600 295 sxs, circ. 11" J-55, 5-1/2" 17# 3950' 331 sxs, circ. 331 sxs, circ. 14-3/4" Open hole 17# 3950' 331 sxs, circ. 331 sxs, circ. 14-3/4" Open hole 17# 3950' 331 sxs, circ. 331 sxs, circ. 14-3/4" Open hole 17# 3950' 331 sxs, circ. 331 sxs, circ. 4-3/4" Open hole 17# 3950' 331 sxs, circ. 331 sxs, circ. 1 sproposed to drill a horizontal well as a Grayburg/San Andres producer. An NOS was filed 6/8/00. The well will be drilled and sequipped according to the following additional attachments: ROCWELL OCNITLOLLED WATER BASIN 1. Well Location and Acreage Dedication Plat (C-102) along with other associated maps and plats. Cementing Plan. SUFFACE DESCRIPPLATIONS 2. Proposed Well Plan Outline. General REQUIREMENTS AND SPECIAL STIPULATIONS SUFFACE DESCRIPPLATIONS SUFFACE DESCRIPPLATIONS 3. Trailer Mounted Rig Layout Drawing Stipulations and restrictions concerning operations conducted on the eased lan | | | | | | | LLSIAKIT |
| 14-3/4" WC-40, 11-3/4" 42# WITNESS 500° 10°C 295 sss., circ 11" J-55, 8-5/8" 24# 2100' 488 sxs, circ. 7.7/8" J-55, 5-1/2" 17# 3950' 331 sxs, circ. 4-3/4" Open hole 17# 3950' 331 sxs, circ. Ht is proposed to drill a horizontal well as a Grayburg/San Andres producer. An NOS was filed 6/8/00. The well will be drilled and equipped according to the following additional attachments: NCCWELL CONTROLLED WATER BASIN Well Location and Acreage Dedication Plat (C-102) along with other associated maps and plats. Proposed Well Plan Outline. Proposed Well Plan Outline. Scementing Plan. APPROVAL SUBJECT TO S. Trailer Mounted Rig Layout Drawing APPROVAL SUBJECT TO S. Trailer Mounted Rig Layout Drawing Sepecial STIPULATIONS Fils application includes ROW for the well pad and flowline. Scenetal Stipulations and restrictions concerring operations conducted on the eased land or portion thereof, as described above and as covered by BLM Bond File No. ES-0085. ABOVE SPACE DESCRIBE PROPOSED PROGRAM. If proposal is to deepen give data on present productive zone. If apposal is to drill or deepen directionally, give periment data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any. SIGNED Model Malla on SUP PRO | | PROPOSE | ED CASING AND C | CEMENTING PRO | GRAM | | |
| 11" 1-55, 8-5/8" 24# 2100 100 1608 2-35 s.8., circ. 7-7/8" 1-55, 5-1/2" 17# 3950' 331 sxs, circ. 4-3/4" Open hole 11" 17# 3950' 331 sxs, circ. 4-3/4" Open hole 11" 10" 438 sxs, circ. 10" 4-3/4" Open hole 11" 10" 438 sxs, circ. 10" 4-3/4" Open hole 11" 10" 438 sxs, circ. 10" 9 Choke Mainfold Specification and Acreage Dedication Plat (C-102) along with other associated maps and plats. Nor Matter Specifications APPROVAL SUBJECT TO 5. Uraiter Mounted Rig Layout Drawing Surface Use Plan APPROVAL SUBJECT TO Surface Specifications 7. H2S Drilling Operations Plan. Surface Locations and restrictions concerning operations conducted on the eased land or portion thereof, as described above and as covered by BLM Bond File No. ES-0085. ABOVE SPACE DESCRIBE PROPOSED PRORAM. If proposa | | | | | | | |
| 7-7/8" 1-55, 5-1/2" 17# 3950" 331 sxs, circ. 4-3/4" Open hole 331 sxs, circ. 331 sxs, circ. 1t is proposed to drill a horizontal well as a Grayburg/San Andres producer. An NOS was filed 6/8/00. The well will be drilled and equipped according to the following additional attachments: ROCWELL CONTROLLED WATER BASIN 1. Well Location and Acreage Dedication Plat (C-102) along with other associated maps and plats. ROCWELL CONTROLLED WATER BASIN 2. Proposed Well Plan Outline. APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS 3. Carenting Plan. Surface Use Plan 3. Trailer Mounted Rig Layout Drawing APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS 5. Trailer Mounted Rig Layout Drawing SPECIAL STIPULATIONS 6. BOP & Choke Manifold Specifications SPECIAL STIPULATIONS 7. H2S Drilling Operations Plan. Stipulations and restrictions concerning operations conducted on the eased land or portion thereof, as described above and as covered by BLM Bond File No. ES-0085. Stipulatin on sof apercentile additional at an substrate locat | | | | | 10001 | | |
| 4.3/4" Open hole It is proposed to drill a horizontal well as a Grayburg/San Andres producer. An NOS was filed 6/8/00. The well will be drilled and coupled according to the following additional attachments: ROCWELL CONTRUCTED WATER BASIN I. Well Location and Acreage Dedication Plat (C-102) along with other associated maps and plats. ROCWELL CONTRUCTED WATER BASIN I. Well Location and Acreage Dedication Plat (C-102) along with other associated maps and plats. Proposed Well Plan Outline. S. Cementing Plan. APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS S. Trailer Mounted Rig Layout Drawing APPROVAL STIPULATIONS BOP & Choke Manifold Specifications SPECIAL STIPULATIONS This application includes ROW for the well pad and flowline. State Plan The undersigned accepts all applicable terms, conditions, stipulations and restrictions concerning operations conducted on the eased land or portion thereof, as described above and as covered by BLM Bond File No. ES-0085. ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen give data on present productive zone and proposed new productive zone. If opposal is to drill or deepen directionally, give periment data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any. SIGNED Mathematical Deater Mathematical Deating Milling Control Deater Program. If proposal is to drill or deepen directionally, give periment data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any. | 7-7/8" | | | | | | |
| Equipped according to the following additional attachments: Image: Construction of the following additional attachments: Image: Construction of the following additional attachments: Image: Construction of the following additional attachments: Image: Construction of the following additional attachments: Image: Construction of the following additional attachments: Image: Construction of the following additional attachments: Image: Construction of the following additional attachments: Image: Construction of the following additional attachments: Image: Construction of the following additional attachments: Image: Construction of the following additional attachments: Image: Construction of the following additional attachments: Image: Construction of the following additional attachments: Image: Construction of the following additional attachments: Image: Construction of the following additional attachments: Image: Construction of the following additional attachments: Image: Construction of the following additional attachments: Image: Construction of the following additional attachments: Image: Construction of the following additional attachments: Image: Construction of the following additional attachments: Image: Construction of the following additional attachments: Image: Construction of the following additional attachments: Image: Construction of the following additional attachments: Image: Construction of the following additional attachments | 4-3/4" | Open hole | | | ····· | | |
| The undersigned accepts all applicable terms, conditions, stipulations and restrictions concerning operations conducted on the eased land or portion thereof, as described above and as covered by BLM Bond File No. ES-0085. ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen give data on present productive zone and proposed new productive zone. If posal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any. SIGNED | | | accavinitents, | E | | 172 °Ch. 9 2 4 4 4 4 | |
| (This space for Federal or State Green of State Gr | . Well Location and A 2. Proposed Well Plan (5. Cementing Plan. 4. Surface Use Plan 5. Trailer Mounted Rig 5. BOP & Choke Manif 7. H2S Drilling Operati | Outline. Layout Drawing fold Specifications fons Plan. | (C-102) along with (| APPROVA GENERAL | CONTROLL aps and plats. L SUBJECT REQUIRE | TO Ments A | ER BÂSIN |
| ATE ///200 (This space for Federal or State Gride Using NED BY CHRIS WILLIAM: DISTRICT I SUPERVISOR PERMIT NO. | Well Location and A Proposed Well Plan (Cementing Plan. Surface Use Plan Trailer Mounted Rig BOP & Choke Manif H2S Drilling Operati | Outline. Layout Drawing fold Specifications ions Plan. s ROW for the well pad s all applicable terms, co ereof, as described abov E PROPOSED PROGRAM: I | (C-102) along with o and flowline. onditions, stipulation we and as covered by f proposal is to deepen gi | APPROVA GENERAL SPECIAL BLM Bond File N | CONTROLL aps and plats. | TO MENTS A DNS rations con | ER BASIN ND ducted on the $3/3/300$ |
| DISTRICT I SUPERVISOR APPROVAL DATE 406 2 9 2000 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 theron. CONDITIONS OF APPROVAL, IF ANY. (ORIG_SGD.) JOHN S. SIMITZ Fr. Assistant Field Manager, Lands And Minerals Date AUG 2 1 2000 | Well Location and A Proposed Well Plan 6 Cementing Plan. Surface Use Plan Trailer Mounted Rig BOP & Choke Manif H2S Drilling Operati This application include The undersigned accepts eased land or portion th ABOVE SPACE DESCRIBI poposal is to drill or deepen dir | Outline. Layout Drawing fold Specifications ions Plan. s ROW for the well pad s all applicable terms, co ereof, as described abov E PROPOSED PROGRAM: I rectionally, give pertinent data | (C-102) along with of and flowline. onditions, stipulatior we and as covered by f proposal is to deepen gi t on subsurface locations | APPROVA GENERAL SPECIAL SPECIAL BLM Bond File N ive data on present proc and measured and true | CONTROLL aps and plats. | TO MENTS A DNS rations con | ER BASIN ND ducted on the $3/3/300$ |
| CONDITIONS OF APPROVAL, IF ANY: (OFIG. SGD.) JOHN S. SIMITZ Fr. APPROVED BY TITLE Assistant Field Manager, Lands And Minerals DATE AUG 2 1 2000 | Well Location and A Proposed Well Plan (3) Cementing Plan. Surface Use Plan Trailer Mounted Rig BOP & Choke Manif H2S Drilling Operati This application include Che undersigned accepts eased land or portion th ABOVE SPACE DESCRIBI posal is to drill or deepen dir | Outline. Layout Drawing fold Specifications ions Plan. s ROW for the well pad s all applicable terms, co ereof, as described above E PROPOSED PROGRAM: I rectionally, give pertinent data | (C-102) along with of and flowline. onditions, stipulation ve and as covered by f proposal is to deepen gi to on subsurface locations ITLE Sr. Property Ana BY CHRIS WILLIAM | APPROVA GENERAL SPECIAL As and restrictions of BLM Bond File N ive data on present proc and measured and true | CONTROLL aps and plats. | TO MENTS A DNS rations con | ER BASIN ND ducted on the $3/3/300$ |
| (OFIG. SGD.) JOHN S. SIMITZ 7/10 Assistant Field Manager, Lands And Minerals DATE AUG 2 2 2000 | Well Location and A Proposed Well Plan (Cementing Plan. Surface Use Plan Trailer Mounted Rig BOP & Choke Manif H2S Drilling Operati This application include The undersigned accepts eased land or portion th ABOVE SPACE DESCRIBID Description in the undersigned accepts eased land or portion th ABOVE SPACE DESCRIBID Operation of the undersigned accepts EIGNED | Outline. Layout Drawing fold Specifications ions Plan. s ROW for the well pad s all applicable terms, co ereof, as described abov E PROPOSED PROGRAM: I rectionally, give pertinent data manual for the second r state Graduation of the DISTRICT I S | (C-102) along with o l and flowline. onditions, stipulation ve and as covered by f proposal is to deepen gi t on subsurface locations ITLE <u>Sr. Property Ana</u> SY CHRIS WILLIAM SUPERVISOR | APPROVA GENERAL SPECIAL Main Sand restrictions of BLM Bond File N We data on present proc and measured and true | CONTROLL aps and plats. | TO MENTS A DNS rations con oposed new p ve blowout pr <u>7/12/00</u> | ER BASIN ND ducted on the productive zone. If eventer program, if any. 2200 |
| | Well Location and A Proposed Well Plan (Cementing Plan, Surface Use Plan Trailer Mounted Rig BOP & Choke Manif H2S Drilling Operati H2S Drilling Operati H2S Drilling operati SIGNED | Outline. Layout Drawing fold Specifications ions Plan. s ROW for the well pad s all applicable terms, co ereof, as described abov E PROPOSED PROGRAM: I ectionally, give pertinent data MAMMAN r State Gince Luca GNED E DISTRICT I S | (C-102) along with o l and flowline. onditions, stipulation ve and as covered by f proposal is to deepen gi t on subsurface locations ITLE <u>Sr. Property Ana</u> SY CHRIS WILLIAM SUPERVISOR | APPROVA GENERAL SPECIAL Main Sand restrictions of BLM Bond File N We data on present proc and measured and true | CONTROLL aps and plats. | TO MENTS A DNS rations con oposed new p ve blowout pr <u>7/12/00</u> | ER BASIN ND ducted on the productive zone. If eventer program, if any. 2200 |
| | | Outline. Layout Drawing fold Specifications ions Plan. s ROW for the well pad s all applicable terms, co ereof, as described abov E PROPOSED PROGRAM: I rectionally, give pertinent data Market Biographic State DISTRICT S rant or certify that the applicant hole ANY: | (C-102) along with of and flowline. onditions, stipulation we and as covered by f proposal is to deepen gi to on subsurface locations ITLE <u>Sr. Property Ana</u> SY CHRIS WILLIAM SUPERVISOR is legal or equitable title to tho ASS | APPROVA GENERAL SPECIAL SPECIAL Manual Special SPECIAL | CONTROLL aps and plats. | TO AENTS A DNS rations con oposed new p ve blowout pr <u>7/12/00</u> | ER BASIN ND ducted on the roductive zone. If eventer program, if any. 2nDD rduct operations theron. |

| <u>ک</u> |
|----------|
| 3 |

رياني ويونوني ميريني وقام مرياني ويوني ويوني مرياني ويوني ويوني مرياني ويوني ويوني وي

12:2 d hl 302 033

190 Halens Kacenser Kacenser r T

DISTRICT I

1825 N. French Dr., Bobbs, MM 88240

DISTRICT II 811 South First, Artesia, NM 86210

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

DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505 State of New Mexico

Submit to Appropriate District Office State Lanse - 4 Copies Fee Lanse - 3 Copies

OIL CONSERVATION DIVISION

2040 South Pacheco Santa Fe, New Mexico 87505

□ AMENDED REPORT



Form C-102

District I PO Box 1980, Hobbs, NM 88241-1980

District II PO Drawer DD, Artesia, NM 88211-0719

District III

1000 Rio Brazos Rd. Aztec, NM 87410

District IV

PO Box 2088, Santa Fe. NM 87504-2088

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

Revised February 21, 1994







MCA #387H Located at 2197' FSL and 2255' FWL Section 27, Township 17 South, Range 32 East, N.M.P.M., Lea County, New Mexico.



| P.O. Box 1786 | |
|--------------------|--------|
| 1120 N. West Count | hy Rd. |
| Hobbs, New Mexico | 88241 |
| (505) 393-7316 - | Office |
| (505) 392-3074 - | Fax |
| basinsurveys.com | |

W.O. Number: 0334AA - KJG #122 Survey Date: 06-16-2000 Scale: 1" = 2000' Date: 06-19-2000

CONOCO INC.

FLOWLING 800 ALONG XISTING ROAD



MCA #387H Located at 2197' FSL and 2255' FWL Section 27, Township 17 South, Range 32 East, N.M.P.M., Lea County, New Mexico.

| | P.O. Box 1786 | W.O. Number: 0334AA - KJG #122 | |
|--|--|--------------------------------|-------------|
| | 1120 N. West County Rd. Hobbs, New Mexico 88241 | Survey Date: 06-16-2000 | CONOCO INC. |
| Surveys | (505) 393-7316 - Office (505) 392-3074 - Fax | Scale: 1" = 2000' | |
| focused on excellence in the olifield | basinsurveys.com | Date: 06-19-2000 | |

| 19 | 17 | 15 | 15 | 14 | 13 | 19 | 17 | t ć | 440 | Ē | 13 | | 17 | 16 | |
|--|----------------|-----------------------|-----------------------------|--|----------------------|----------------------|----------------------------------|-----------------------------|-------------------|------------|---------------------------|---|--------------|------|-------------------|
| 19 | 20 | 21 | 22 | 22 | 24 | 19 | 20 | 21 | R. R. L. | | 24 57 | 19 | 20 | 2 | |
| 30 | 29 | 29 | 27 | 26 | ස | 30 | | 28 DINE | 27 | 26 | 211 | 30 | 29 | 28 | 27 |
| 31 | 32 | 33 | VI 34 | 30 | 36 | 31 | MMINGBIRD | 22 22 23 33 T | 34 16 S | 35 | 36 | 31 | 32 | 33 | 3 |
| Selection of the select | JUS H | 4 60 T | 17 5 | 2 | 1 | 6 | 5 | t | 17 S 3 | z |) | 6 | 5 | | 75 |
| , | MALJ | | | 11 | 12 | 7 | 8 | 9 | 10 | u | 15 | 7 | 8 | 9 | 10 |
| 19 | 17 | 16 X | | 14 | R 32 E | ω Ε 19 α | 17 | 16 | 15 | 14 | ш 13 рр | ш 7, 18 | 17 | 16 | 1 |
| 19 | 20 | | 22 | 23 | Line of | - 0 ¹⁹ | 20 | HUMAN | 22 | 2 10 20 | | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | R Con | 21 | 22 |
| 30 T. 529 | 29 | 28 8 | 3 | 26 | 25 | 30 | | 28 HI SCALERD | 27 | 25 | 25 | 30 | 20 20 | 29 | 51 |
| 31 | 32 | 33 | 34 | 35 ST. 529 | 36 | 31 | No. 1 | 33 | 34 17 S | 35 | 36 | 31 | 32 | . 33 | 34 (54) |
| 6 | 2 | T 17 T 19 JAMAR | 3 | ٤ | 1 | 6 | 5 | | 2 81 2 81 7 | 2 | 1 | 6 | 5 | | 17_S 18_S 3 |
| 7 | 8 | 9 | 10 | 11 | 12 L | 7 W | 8 | 9 | 10 | 29 11 | R BUERECHN | | 8 | 9 | 1 |
| 18 | 17 | 16 | 15 | 14 | R | e 18 | 17 | 16 | 15 | 14 | E # 33 | 18 | 17 | 16 | 15 |
| JAMAR | 92 20 20 | 21 | 22 T | 19 S 23 | 24 | 19 | 20 | হা | 22 | 23 | ш Р 24 ^Ф | ш 26 29 | 57. 52 20 | 21 | 22 |
| 2 ¥ 30 | 29 | 29 | 27 | 26 | 25 | 30 | 29 | 28 | 27 | 26 | 25 | 30 | 29 | 28 | 27 |
| 31 | 32 | 33 | 34 | 35 | 36 | 31 | 32 | 33 | 34 | 35 | 36 | 31 | 32 | 33 | |
| | Lo Se | cate | n 27 | 219 , To | wnsl | nip | 17 S | 2255 outh Mex | . Ra | VL ange | 32 | East | · 9 | | L |
| sū | As rve | Żys | 1120 N Hobbs, (505) 3 | x 1786 . West Co New Mex 193–7316 192–3074 | ico 8824 — Office | 1 Surv | Number: ey Date: a: 1" = 2 | 0334AA 06-16- 2 MILES | | | CO | NOC | CO] | INC | • |

PROPOSED WELL PLAN OUTLINE

| WELL N | AME | MCA #387H | | | | | | | | |
|-------------|----------|----------------------|---------------------------------|-------------------------|----------|----------------------|----------------|-----------------|----------------------------------|----------------|
| LOCATI | ON | Sec. 27-17-3 | 32, Lea Co., NM | | • | | | | | |
| TVD | 6 | FORMATION | | TYPE OF | | CASING | | FORMATION | MUD | [|
| IN 1000' | - | TOPS & TYPE (TVD) | DRILLING PROBLEMS | FORMATION EVALUATION | HOLE | SIZE & DEPTH | 1 | PRESSURE | 1 | DAYS |
| | | | | | | PRESET 16"X 40' COND | | | | |
| | 100 | | | | | | | | | |
| | 200 | | | | | | | | | |
| | <u> </u> | | GRAVEL BEDS LOST CIRCULATION | | 14-3/4" | | | BELOW NORMAL | 8.4 - 8.7 SPUD | |
| | 500 | | | | 14-5/4 | 11-3/4" @ 500' | | NORMAL | | 1 |
| | 600 | | | | 11" | 42.0# WC-40 STC | | | | |
| | 700 | | | | | CIRC. CEMENT | | 9.0 PPG | 10.0 BRINE | |
| | | RUSTLER (a) 960' | SALT SECTION | | | | | | | |
| | 900 | SALADO @ 1,080' | | | | | | | | |
| | 1100 | | SEEPAGE LOSSES | | | | | | | |
| | 1200 | | | | | | | | | |
| | 1300 | | | | | | | | | |
| | 1400 | | | | | | | | | |
| | 1600 | | | | | | | | | |
| | 1700 | | | | | | | | | |
| | 1800 | | | H2S MONITOR ON 1,900 | | | | | | |
| | 1900 | | | to TD | | | | | | |
| | 2000 | TANSILL @ 2,104' | INSTALL LOW PRESS ROTATI | NG HEAD | | 8-5/8" @ 2,100' | | | | |
| | | YATES @, 2,260' | POSSIBLE LOSSES IF | | 7-7/8" | 24.0# J-55 STC | | | | |
| | 2300 | | MW > 9.5 PPG | | | CIRC. CEMENT | | | | |
| | 2400 | | | NO MUD LOGS | | | | | | |
| | 2500 | 7 DIVEDS @ 3 437 | | | | | | ł | | |
| | 2700 | 7 RIVERS @; 2,637 | | | | | | | | |
| | | QUEEN @ 3,236' | | | | | | | | |
| | 2900 | | | | | | | | | |
| | 3000 | | | | | | | 8.5-9.0 PPG | 9.0-9.2 CUT BRINE | |
| | 3100 | GRAYBURG U @ 3,609' | POSSIBLE CO2 or H2O INFLUX | | | | | | | |
| | 3300 | | POSSIBLE LOST CIRCULATION | l | | | | | | |
| | 3400 | | | | | | | | | |
| | 3500 | | | | | | | | | |
| | 3600 | | | | | | | | | |
| | 3700 | ZONE 6 @ 3,858' | | | | | | | | |
| | | L. ZONE 6 @ 3,933' | | | <u> </u> | 5-1/2" @ 3,950' | | | | 12 |
| | 4000 | U. ZONE 7 @ 4,010' | | | 4-3/4" | 17.0# J-55 LTC | | 8.7-9.3 PPG | FRESH WATER | |
| | | L. ZONE 7 @ 4 ,078' | | | | TOC @ 1,900' | | | | |
| | 4200 | | | | | | | | | |
| | 4400 | | | | | | | | | |
| | 4500 | | | | | | | | | |
| | 4600 | | | | l l | | | | | |
| | 4700 | | | | | | | | | |
| | 4900 | | | | | | | | | |
| | 5000 | | | | | | | | | |
| | [| | | | | | | | | |
| | | | | | | | | | | |
| | | TVD 4,195' | | (AS PER GEOLOGISTS) | | Open hole completion | | | | 20 |
| | | | | | | 6,226' MD | | | | |
| DAT | È | 06/30/00 | | | • | | <i>.</i> | | • | · |
| | | | • | | | | C | thange | In Au | Mr. |
| APPR | OVED | Yong H. Cho | | | Mike | Bradshaw | | and the state | dout | Ĩ. I. |
| | | Drilling Engineer | | - | Geolog | ist | Ż | energ | illept. | 2 JH |
| | | | | | | | , | 1000! | ok bo | 1.2 |
| | | Production Engine | | | Percet | | / * | τ. Û | o A | $i\mathcal{I}$ |
| | | Production Enginee | 1 | | Reserv | oir Engineer | 2 | ounser | in tu depth ok po n 8/2 | 121 |
| | | | | | | | ., | | (| ena |
| | | | | | | | | | | |



Conoco MCA Unit 387H

Sec. 27, T17S, R32E Lea County, New Mexico July 4, 2000

Well Recommendation

Prepared for: Mr. Yong Cho Drilling Engineer

Prepared by:Rocky ChambersRegion EngineerBus Phone:915/683-2781Mobile:915/557-1239Pager:915/498-1605



 $P \circ w \in r V i s i o n^*$

Service Point:

Hobbs Bus Phone: (505) 392-5556 Fax: (505) 392-7307

Service Representatives:

Wayne Davis Account Manager Bus Phone: (915) 683-2781 Fax: (915) 683-1443

Gr4105

WELL DATA

ANNULAR GEOMETRY

| ANNULAR I.D. | DEPTH(ft) | | | | |
|--------------|-----------|---------------|--|--|--|
| (in) | MEASURED | TRUE VERTICAL | | | |
| 14.750 HOLE | 500 | 500 | | | |

SUSPENDED PIPES

| DIAMET | FER (in) | WEIGHT | DEP | TH(ft) | | |
|--------|----------|----------|----------|---------------|--|--|
| O.D. | I.D. | (lbs/ft) | MEASURED | TRUE VERTICAL | | |
| 11.750 | 11.084 | 42 | 500 | 500 | | |

| Float Collar set @ | 460 ft |
|--------------------|----------|
| Mud Density | 8.40 ppg |
| Est. Static Temp. | 83 ° F |
| Est. Circ. Temp. | 80 ° F |

VOLUME CALCULATIONS

| 200 ft | х | 0.4336 cf/ft | with | 100 % excess | = | 173.4 cf |
|--------|---|--------------|-------|---------------|---|-----------------------|
| 300 ft | x | 0.4336 cf/ft | with | 100 % excess | = | 260.2 cf |
| 40 ft | х | 0.6701 cf/ft | with | 0 % excess | = | 26.8 cf (inside pipe) |
| | | | TOTAL | SLURRY VOLUME | = | 460.4 cf |
| | | | | | = | 82 bbls |



FLUID SPECIFICATIONS

| FLUID | VOLUME CU-FT | | VOLUME FACTOR | | MOUNT AND TYPE OF CEMENT | |
|---------------------------|-----------------|-----|------------------|----------------|--|-----------|
| Lead Slurry | 173 | 1 | 2.15 | Fla | sacks Class C Cement + 0.25 lbs/sack C ake + 0.005 gps FP-6L + 2% bwoc Sodiur etasilicate + 109.4% Fresh Water | ello n |
| Tail Slurry | 287 | 1 | 1.34 | = 214 Chl | 4 sacks Class C Cement + 2% bwoc Calo loride + 56.4% Fresh Water | ium |
| Displacement | | | | 54.9 | | |
| CEMENT PROPERTIES | 6 | | | | | |
| | | | - | LURRY NO. 1 | SLURRY NO. 2 | |
| Slurry Weight (ppg) | | | | 12.40 | 14.80 | |
| Slurry Yield (cf/sack) | | | | 2.15 | 1.34 | |
| Amount of Mix Water (gps | | | | 12.33 | 6.36 | |
| Amount of Mix Fluid (gps) | | | | 12.33 | 6.36 | |
| Estimated Pumping Time | - 70 BC (H | H:N | MM) | 6:25 | 2:20 | |
| Free Water (mls) @ 80 ° | | ngl | е | 0.0 | 0.0 | |
| COMPRESSIVE STREN | GTH | | | | | |
| 12 hrs @ 89 ° F (psi) | | | | 124 | 1200 | |
| 24 hrs @ 89 ° F (psi) | | | | 250 | 2000 | |

WELL DATA

ANNULAR GEOMETRY

| ANNULAR I.D. | DEPTH(ft) | | | | | |
|---------------|-----------|---------------|--|--|--|--|
| (in) | MEASURED | TRUE VERTICAL | | | | |
| 11.084 CASING | 500 | 500 | | | | |
| 11.000 HOLE | 2,100 | 2,100 | | | | |
| | | | | | | |

SUSPENDED PIPES

| DIAMET | ER (in) | WEIGHT | DEI | PTH(ft) |
|--------|---------|----------|----------|---------------|
| O.D. | I.D. | (lbs/ft) | MEASURED | TRUE VERTICAL |
| 8.625 | 8.097 | 24 | 2,100 | 2,100 |

| Float Collar set @ | 2,060 ft | | |
|--------------------|-----------|--|--|
| Mud Density | 10.00 ppg | | |
| Est. Static Temp. | 91 ° F | | |
| Est. Circ. Temp. | 89 ° F | | |

VOLUME CALCULATIONS

| | LOOL | | | | | |
|----------|------|--------------|------|-----------------|---|-----------------------|
| 500 ft | X | 0.2643 cf/ft | with | 0 % excess | = | 132.2 cf |
| 1,103 ft | x | 0.2542 cf/ft | with | 100 % excess | = | 560.7 cf |
| ' | ~ | 0.2542 cf/ft | with | 100 % excess | = | 252.7 cf |
| 497 ft | x | | with | 0 % excess | = | 14.3 cf (inside pipe) |
| 40 ft | х | 0.3576 cf/ft | | _ SLURRY VOLUME | = | 960.0 cf |
| | | | 1017 | | = | 171 bbls |



FLUID SPECIFICATIONS

| FLUID | VOLUME CU-FT | | VOLUME FACTOR | · / | MOUNT AND TYPE OF CEMENT |
|---------------------------|-----------------|-----|------------------|---------------|--|
| Lead Slurry | 693 | 1 | 2.41 | C Ib | 88 sacks (50:50) Poz (Fly Ash):Class C sement + 5% bwow Sodium Chloride + 0.25 ss/sack Cello Flake + 0.005 gps FP-6L + 10% woc Bentonite + 136.9% Fresh Water |
| Tail Slurry | 267 | 1 | 1.34 | | 00 sacks Class C Cement + 2% bwoc Calcium hloride + 56.3% Fresh Water |
| Displacement | | | | 1: | |
| CEMENT PROPERTIES | S | | | | |
| | | | | URR` 10. 1 | Y SLURRY NO. 2 |
| Slurry Weight (ppg) | | | 1 | 1.85 | 14.80 |
| Slurry Yield (cf/sack) | | | 2 | 2.41 | 1.34 |
| Amount of Mix Water (gp | | | 1 | 3.79 | 6.34 |
| Amount of Mix Fluid (gps) | | | | 3.79 | 6.34 |
| Estimated Pumping Time | - 70 BC (H | H:I | MM) 4 | 1:15 | 2:00 |

Gr4129

WELL DATA

ANNULAR GEOMETRY

| ANNULAR I.D. | DEPTH(ft) | | | |
|--------------|-----------|---------------|--|--|
| (in) | MEASURED | TRUE VERTICAL | | |
| 8.097 CASING | 2,100 | 2,100 | | |
| 7.875 HOLE | 3,950 | 3,950 | | |

SUSPENDED PIPES

| DIAMET | ER (in) | WEIGHT | DEPTH(ft) | | |
|--------|---------|----------|-----------|---------------|--|
| O.D. | I.D. | (lbs/ft) | MEASURED | TRUE VERTICAL | |
| 5.500 | 4.892 | 17 | 3,950 | 3,950 | |

| Float Collar set @ | 3,910 ft |
|--------------------|----------|
| Mud Density | 9.20 ppg |
| Est. Static Temp. | 100 ° F |
| Est. Circ. Temp. | 97 ° F |

VOLUME CALCULATIONS

| 500 ft | х | 0.1926 cf/ft | with | 0 % excess | = | 96.3 cf |
|----------|---|--------------|-------|---------------|---|----------------------|
| 835 ft | х | 0.1733 cf/ft | with | 50 % excess | = | 217.1 cf |
| 1,015 ft | x | 0.1733 cf/ft | with | 50 % excess | = | 263.7 cf |
| 40 ft | x | 0.1305 cf/ft | with | 0 % excess | = | 5.2 cf (inside pipe) |
| | | | TOTAL | SLURRY VOLUME | = | 582.3 cf |
| | | | | | = | 104 bbls |

۰.



FLUID SPECIFICATIONS

.

| FLUID | VOLUME CU-FT | | VOLUME FACTOR | AN | MOUNT AND TYPE OF CEMENT |
|--|-----------------|---|------------------|----------|--|
| Lead Slurry | 313 | 1 | 2.41 | Ce So | 1 sacks (50:50) Poz (Fly Ash):Class C ement + 10% bwoc Bentonite + 5% bwow odium Chloride + 0.25 lbs/sack Cello Flake + 66.9% Fresh Water |
| Tail Slurry | 269 | 1 | 1.34 | | 0 sacks Class C Cement + 2% bwoc Calcium nloride + 56.4% Fresh Water |
| Displacement | | | | 90. | .9 bbls DISPLACEMENT FLUID @ 8.33 ppg |
| CEMENT PROPERTIE | S | | | | |
| | | | _ | LURRY | |
| | | | | NO. 1 | NO. 2 |
| Slurry Weight (ppg) | | | | 11.85 | 14.80 |
| Slurry Yield (cf/sack) | | | | 2.41 | 1.34 |
| Amount of Mix Water (gr | os) | | | 13.79 | 6.36 |
| Estimated Pumping Time | e - 70 BC (H | H | MM) | 3:30 | 1:45 |
| Free Water (mls) @ 80 Fluid Loss (cc/30min) | - | | - | 1.0 | 0.0 |
| at 1000 psi and 80 | °F | | | 800.0 | 715.0 |

.

SURFACE USE PLAN Conoco Inc.

MCA 387H

The following is required information concerning the possible effect which the drilling of this well may have on the environment, existing road sites, and surrounding acreage. A copy will be posted on the derrick floor so all contractors and sub-contractors will be aware of all items of this plan.

1. Existing Roads

- A. The proposed well site is 2197' FSL & 2255' FWEL, Sec. 27, T17S, R32E, Lea County, New Mexico.
- B. Directions to the location are as follows:

See attached Well Pad Topo

C. No improvement or maintenance is anticipated for the existing roads.

2. <u>Planned Access Roads</u>

- A. No new access road will be required.
- B. Turnouts as required by surface managing agency.
- C. Culverts as required by surface managing agency.
- D. Gates, cattleguards, or fences as required by surface managing agency.

3. Topographic Map and Well Location

A 7.5" quadrangle topo map was filed with the NOS.

4. Additional Rights-of-Way

Flowline as shown on attached plats.

5. <u>Water Supply</u>

Fresh and brine water will be obtained from commercial sources and will be trucked to location by the same directions for reaching the drilling site.

6. Source of Construction Materials

Construction materials will be obtained from commercial sources.

7. Methods of Handling Waste Disposal

- A. The drill cuttings, fluids and completion fluids will be placed in the reserve pit. The reserve pit will be fenced on three sides away from the pad during drilling and the fourth side fenced as soon as the rig moves out. The reserve pit will be allowed to dry, and materials remaining in the reserve pit buried. The reserve pit will be backfilled, leveled and contoured so as to prevent any materials being carried into the watershed. Upon completion, the pad will be leveled, contoured, and reseeded with the appropriate seed mixture as specified by the surface managing agency.
- B. All garbage and trash will be hauled away to designated landfill by Conoco.
- C. Chemical toilets will be provided and maintained during drilling operations.

8. <u>Ancillary Facilities</u>

No ancillary facilities are planned.

9. <u>Wellsite Layout</u>

See attached Wellsite Layout. The V-door faces East. The reserve pit will be lined with plastic and the pad and pits are staked. All unguarded pits containing liquids will be fenced and any unguarded pit containing liquids will be fenced.

10. Plans for Restoration of Surface

Reserve pits will be rehabilitated once drilling fluids have been allowed to evaporate to the point the pits are dry enough for backfilling and leveling. In the event drilling fluids will not evaporate in a reasonable time period, the fluids will be removed and transported by tank truck to a state approved disposal facility. Backfilling and leveling of the location will be completed within a time period of one year upon cessation of drilling operations.

11. Surface Ownership

The well site surface ownership is Bureau of Land Management.

12. Archeological Clearance

An archeological survey is being conducted and will be provided upon completion.

13. Operator's Representative and Certification

The person who can be contacted concerning compliance of this Surface Use Plan is:

Mike L. Mankin 10 Desta Drive, Suite 649W Midland, Texas 79705 (915) 686-5794 I hereby certify that I, or persons under my direct supervision, have inspected the proposed drilling site; that I am familiar with the conditions which currently exist; that the statements made in this plan, are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Conoco Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

mike L. Markingg

Mike L. Mankin Sr. Right-of-Way Agent

7-12-00

Date





BLOWOUT PREVENTER HOOKUP

Drilling contractors used in the San Juan Basing supply 3000 psi equipment, but cannot provide annular preventors because of substructure limitations. Maximum anticipated surface pressures for this well will not exceed the working pressure of the proposed BOP system. Please see the attached BOP diagram details 2000 psi equipment according to Onshore Order No. 2 even though the equipment will test to 3000 psi. The 2000 psi system allows deletion of the annular preventor and fulfills your requirements (note diagram No. 1). In addition, the following equipment will comprise the 2000 psi system:

1. Two rams with one blind and one pipe ram.

- 2. Kill line (2 inch maximum).
- 3. One kill line valve.
- 4. One choke line valve.

5. Two chokes (reference diagram No. 1).

6. Upper kelly cock valve with handle.

- 7. Safety valve and subs to fit all drill strings in use.
- 8. Two-inch minimum choke line.
- 9. Pressure gauge on choke manifold.
- 10. Fill-up line above the upper most preventor.

11. Rotating head.

TRAILER - MOUNTED RIG LAYOUT



EXHIBIT D

BC> SPECIFICATIONS



CHOKE MANIFOLD DIAGRAM



H2S DRILLING OPERATIONS PLAN

Conoco, Inc. will comply with Onshore Order No. 2 for working in an H2S environment or a potential H2S environment.

I. Hydrogen Sulfide Training

All contractors and subcontractors employed by Conoco will receive or have received training from a qualified instructor within the last twelve months in the following areas prior to commencing drilling operations on this well.

- 1. The hazards and characteristics of hydrogen sulfide (H2S)
- 2. Safety precautions.
- 3. Operations of safety equipment and life support systems.

In addition, contractor supervisory personnel will be trained or prepared in the following areas:

- 1. The effect of H2S on metal components in the system, especially where high tensile strength tubulars are to be used.
- 2. Corrective action and shutdown procedures when drilling or reworking a well, blowout prevention and well control procedures, if the nature of work performed involves these items.
- 3. The contents and requirements of the contingency plan when such plan is required.

All personnel will be required to carry documentation of the above training on their person.

II. H2S EQUIPMENT AND SYSTEMS

1. Safety Equipment

The following minimum safety equipment will be on location:

- A. Wind direction indicators placed near rig floor/mud return lines and at points along the perimeter of the location to allow visibility of at least one indicator from any point on location.
- B. Automatic H2S detection alarm equipment (both audio and visual).
- C. Clearly visible warning signs. Signs will use the words "POISON GAS" and "CAUTION" with a strong color contrast.
- D. Protective breathing equipment will be located in the doghouse and at briefing areas on location.
- 2. Well Control Systems
 - A. Blowout Prevention Equipment

Equipment includes but is not limited to:

- 1. Pipe rams to accommodate all pipe sizes
- 2. Blind rams
- 3. Choke manifold
- 4. Closing Unit
- 5. Flare line and means of ignition

B. Communication

The rig contractor will be required to have two-way communication capability. Conoco will have either land-line, satellite phone, microwave phone, or mobile (cellular) telephone capabilities.

C. Mud Program

The mud program has been designed to minimize the volume of H2S circulated to surface. Proper mud weight, safe drilling practices, and the use of H2S scavengers when appropriate will minimize hazards when penetrating H2S bearing zones.

D. Drill Stem Tests

Any planned drill stem test will be cancelled if H2S is detected prior to such test. In the event that H2S is detected during testing, the test will be terminated immediately.

WILL BE RELEASED ABOVE DATE DOES NOT INDICATE WHEN CONFIDENTIAL LOGS ELF ۲.... ۲....

Coo Bearles Be * . .

6675