

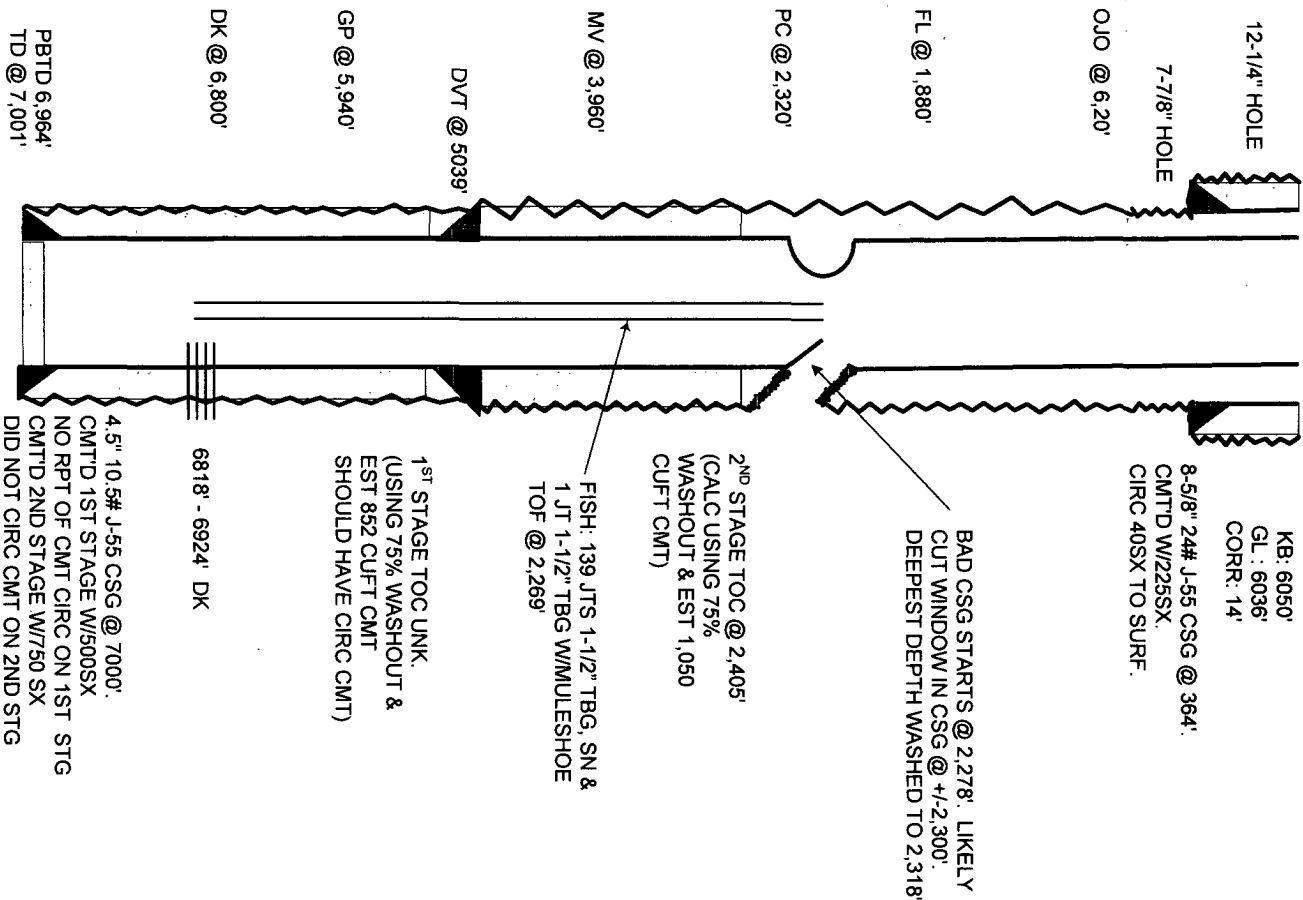
STATE GAS COM BD #1 (AKA STATE GAS UNIT BD #1) WELLBORE DIAGRAM

DATA

LOCATION: 1700' FSL & 1450' FWL, UNIT K, SEC 32, T31N, R12W
COUNTY/STATE: SAN JUAN COUNTY, NEW MEXICO
FIELD: BASIN DAKOTA
FORMATION: DAKOTA
NM LEASE#: 237583
SPUD DATE: 10/25/64
IP: F. 1878 MCFPD, 3/4" CK, 3 HRS (12/22/64), 7 DAY SICP 1,815 PSIG.
PRODUCTION METHOD: FLWG
TBG: 208 JTS 1-1/2" TBG, SN, 1 JT 1-1/2" EUE, 10RD TBG & MULESHOE. EOT @ 6,859.
PERFS: SHOT IN 1964: 6,818' - 6,826' (2 JSPF), 6,874' - 6,885' (2 JSPF), 6,902' - 6,906' (4 JSPF) & 6,914' - 6,922' (2 JSPF).
 SHOT IN 1984: 2 JSPF FR/6,858' - 6,865', 6,868' - 6,874', 6,885' - 6,994', 6,898' - 6,902', 6,906' - 6,914' & 6,922' - 6,924' (TTL 72' - 0.38" HOLES).

HISTORY

10/24/64 MAN DRLG CO RIG #3 SPUNDED 12-1/4" HOLE FOR PAN AMER PET CORP.
 10/25/64 SET 8-5/8" 24# J-55 CSG @ 364'. CMT'D W/225SX CLASS "A" CMT W/2% CACL2. CIRC 40SX TO SURF.
 11/05/64 REACHED TD OF 7-7/8" HOLE @ 7,001'.
 11/06/64 RAN SCHLUMBERGER RAN SONIC/GR/IEL OH LOGS. WLTD @ 7001'. SET 4-1/2" 10.5# J-55 CSG @ 7,001'. DVT @ 5039'. CMT'D 1ST STAGE W/LEAD 400SX CLASS C CMT W/6% GEL + 2#SX MED TUF PLUG FOLLOWED BY (TAIL) 100 SX CLASS C NEAT CMT. OPEN DVT. CIRC. DID NOT RPT CMT CIRC OFF DVT.
 11/07/64 CMT'D 2ND STAGE W/750SX CLASS C 50/50 POZ MIX W/2% GEL + 1 CF/SX STRATACRETE 6 & 1#SX MED TUF PLUG. LOST CIRC W/30 BLS LEFT IN DISPLACEMENT. DID NOT CIRC CMT. REL DRLG RIG.
 11/11/64 MIRU PU. TIH W/BIT. DO DV TOOL @ 5039'. TIH & TGD CMT @ 6941'. DO FR/6,941' - 6,964' PBTD. SPOTTED 500 GAL'S REG ACID. TOH W/BIT.
 11/12/64 RAN GR/CCL LOG. PERF'D DK FR/6,885' - 6,874' (2 JSPF), 6,902' - 6,906' (4 JSPF) & 6,914' - 6,922' (2 JSPF). FRAC DK PERFS FR/6,885' - 6,992' W/39,674 GAL'S GEL WTR CARRYING 30,000# 20/40 SD & 6,000 WALNUT HULLS. AIR 30.5 BPM. ATP 3,500 PSIG. ISIP 2,200 PSIG. 5" SIP 1,300 PSIG. SET CIBP ABOVE DK PERFS. PT CIBP. OK. PERF'D DK FR/6,818' - 6,826' (2 JSPF). DK PERFS FR/6,818' - 6,826' COMM WITH DKPERFS FR/6,885' - 6,992'. DID NOT TREAT UP R DK PERFS. TIH W/BIT. DO CIBP. TIH & TGD SD @ 6,900'. CO TO 6,964' PBTD. TOH. TIH W/2-3/8" PROD TBG. EOT @ 6,821'.
 11/13/64 SWBD WELL. RDMO PU.
 12/22/64 IP TEST: F. 1,878 MCFPD, 3/4" CK, 3 HRS. 7 DAY SICP 1,815 PSIG.
 03/05/64 1ST DEL GAS SALES TO EFPS.
 10/07/84 - 10/15/84 NO RPTS IN WELLFILE ONLY A SUNDRY NOTICE & FIELD TREATMENT RPT. MIRU PU. PT CSG TO 2,600 PSIG. PERF'D DK 2 JSPF FR/6,858' - 6,865', 6,868' - 6,874', 6,885' - 6,994', 6,898' - 6,902', 6,906' - 6,914' & 6,922' - 6,924' (TTL 72' - 0.38" HOLES). FRAC TREATMENT RPT INDICATES FRAC PPD DWN TBG/CSG ANNULUS W/EOT @ 6,500'. TBG PRESS MONITOR (DEAD STRING). FRAC DK PERFS FR/6,818' - 6,924' W/55,700 GAL'S 70Q N2 FOAM & 99,000 LBS 20/40 SD. AIR



30 BPM (FOAM), ATP 3,500 PSIG, ISIP 2,600 PSIG, AVE DEAD STRING TP 5,400 PSIG. LANDED 2-3/8" TBG @ 6,863'. RDMO PU. RWTP. 10/29/85 - 10/31/85 POH W/TBG. CO 30' OF FILL TO 6,994' PBTD. TIH W/NC. 1 JT 2-3/8" TBG, SN, 2 JTS 2-3/8" TBG, TAC, 214 JTS 2-3/8" TBG & 14 X 2-3/8" TBG SUB & 1 JT 2-3/8" TBG. TAC @ 6,831'. SN @ 6,898'. EOT @ 6,931'. TIH W/PMP & RODS. PUT WELL ON ROD PMP.

02/12/91 TOH & LD RODS & PMP PULL ROD. TBG STUCK COULD NOT REL TAC.

05/11/94 MIRU PU. ND WH. NU BOP. COULD NOT REL OR SHEAR TAC.

05/12/94 WORKED TBG. GOT TAC TO REL. DRUG TBG OUT OF HOLE. LD TBG.

05/13/94 TIH W/MULE SHOE COLLAR. 1 JT 1-1/2" TBG, SN & 1-1/2" 10RD TBG. TGD FILL @ 6872'. CO TO 6,964' PBTD W/N2. PUH. LAND TBG AS FOLLOWS: 208 JTS 1-1/2" TBG, SN, 1 JT 1-1/2" EUE, 10RD TBG & MULESHOE. EOT @ 6,859'. ND WH. NU BOP. RDMO PU.

01/01/98 CTC ASSUMED OPERATIONS.

10/04/99: FTP 330 PSIG, SICP 385 PSIG. MIRU WL. RIH W/1.516" GR TO 6,831' KB. RIH W/1.25" BLIND BOX TO 6,916' KB (25' FILL). RIH W/1-1/2" EOT LOCATOR. LOCATED EOT @ 6,860' KB. PBTD 6,941' KB. RDMO WL.

01/15/03 INST XTO WH TST RECIP COMP (CAT 3304, 2 STG, XTO DIST TOOL SUB #001) FR/THE ABRAMS GAS COME #1. PREP COMP FOR START UP. CHGD WH FLW TO COMP SUC & STD TST COMP @ 2:30 P.M. 1/14/03.

02/13/03 DISCONN & MOVED XTO WH TST RECIP COMP (CAT 3304, 2 STG, XTO DIST TOOL SUB #001) TO THE TL RHODES C #1E. FINAL RPT FOR COMP TST.

04/28/04 SWI.

03/19/05 MIRU SLU. RIH W/1.516" GR & TGD @ 2,273'. ATTEMPT TO POH. TJS GOT STUCK. WORKED TJS UP & DWN. TL STRG BROKE @ ROPE SOCKET. POH W/WIRE. RU NEW TL STRG. RIH W/BAITED 1-1/2" 3 PRONG W/1-1/2" JDC. JARRD ON TL STRG. 3 PRONG SHEARED OFF ON TOP OFF LOST TL STRG. POH W/1-1/2" JDC. SWI. RDMO SLU. LEFT IN TBG. 1-1/2" JARS, 3 SINKER, 5 SINKER, 1.516" GR, & 1-1/2" 3 PRONG.

03/30/05 MIRU PU. ND WH. NU BOP. ATTD TO TOH W/TBG W/O SUCCESS. WKD TBG TO 40K. COULD NOT PULL TBG FREE. TBG STUCK @ APPROX 2,300' BY TBG STRETCH CALC. SWI.

03/31/05 MI 93 - 5/8" NORRIS GR "D" RODS W/SLIM HOLE BOXES. TIH W/1-1/2" JDC FISHING TL & 92 RODS. TGD TOF @ 2,261'. CAUGHT FISH. WKD RODS & JARRD SL TJS FREE. TOH W/92 - 5/8" RODS & FISHING TL. REC 1-1/2" 3 PRONG. 1-1/2" JARS, 3 & 5 SBS & 1.516" GR (ALL FISH). TIH W/ 93 - 5/8" RODS. TGD TI SPOT IN TBG @ 2,273". UNABLE TO WRK RODS THRU TIGHT SPOT. TOH & LD 92 - 5/8" RODS. PPD DWN CSG W/30 GAL'S DIESEL & 1 BBL 2% KCL WTR. WRKD TBG FR/30 - 40K FOR 2 HRS. UNABLE PULL TBG FREE. SWI.

04/01/05 MIRU WIRELINE SPECIALTIES. RIH W/1-1/2" TBG FREEPOINT TL. FOUND TBG FR/2,279 - 2,060' @ 0% FREE & FR/2,030' @ 80% FREE & FR/2,000' - 1,975' 100% FREE. POH W/FREEPOINT TL. RIH W/CHEM CUTTER. CUT OFF TBG FR/1,965'. POH W/WL. RDMO WL. ATTD TO TOH W/TBG. WRKD TBG @ 20 - 30K W/ROTATION. WRKD EOT TBG FR/1,965' TO 1,910' (55'). WKRD TBG TO 40K. COULD NOT PULL TBG FREE. MIRU AFU. ATTD TO EST CIRC W/O SUCCESS. SWI.

04/02/05 MIRU WIRELINE SPECIALTIES. RIH W/1-1/2" TBG FREEPOINT TL. FOUND TBG FR/1,910' - 1,845' @ 0% FREE & FR/1,840' - 1,750' 100% FREE. POH W/FREEPOINT TL. RIH W/CHEM CUTTER. CUT OFF TBG @ 1,832'. POH W/WL. ATTD TO TOH W/TBG. WRKD TBG @ 20 - 30K W/ROTATION. WRKD EOT TBG FR/1,910' TO 1,909' (55'). WKRD TBG TO 40K. COULD NOT PULL TBG FREE. ATTD TO ESTB CIRC W/O SUCCESS. RU WL. RIH W/CHEM CUTTER. CUT OFF 1-1/2" TBG @ 1,729'. POH W/WL. RDMO WL. TOH & LD 53 JTS 1-1/2" TBG & CUT OFF 1-1/2" X15' CUT OFF. TIH W/3-7/8" MILL SHOE, 4

- JTS 3-3/4" WASHOVER PIPE, XO, HYD JARS, 6 - 3-1/2" DCS & 19 JTS 2-3/8" TBG. ESTB CIRC W/AFU. CIRC WELL CLN 1 HR. TOH W/10 JTS TBG. SWI.

04/03/05 SDF SATURDAY.

04/04/05 SDF SUNDAY.

04/05/05 TIH W/10 JTS TBG. TGD @ 1,700'. RU SWIVEL. ESTB CIRC W/AFU. CO FILL FR/1,700' TO TOF @ 1,729'. WASHOVER 1-1/2 TBG FR/1,729' - 1,861'. CIRC WELL CLN. RD SWIVEL. TOH W/WASHOVER PIPE & MILL SHOE. TIH W/3-7/8" OVERSHOT, XO, BMPR SUB, HYD JARS, 6 - 3-1/2" DCS & 2-3/8" TBG. WKRD OVERSHOT OVER TOF @ 1,729'. TOH W/BHA & TBG. OVERSHOT W/O FISH. RE-DRESSED OVERSHOT. TIH W/3-7/8" OVERSHOT, XO, BMPR SUB, HYD JARS, 6 - 3-1/2" DCS & 2-3/8" TBG. WKRD OVERSHOT OVER TOF @ 1,729'. TOH W/16 JTS TBG. SWI.

04/06/05 FIN TOH W/OVERSHOT W/FISH. REC 3 JTS 1-1/2 TBG & 1-1/2" X 16' CUT OFF TBG IN OVERSHOT. TIH W/3-7/8" MILL SHOE W/SPRING DOGS. 4 JTS 3-3/4"

WASHOVER PIPE, XO, BMPR SUB, HYD JARS, 6 - 3-1/2" DCS & 50 JTS 2-3/8" TBG. RU SWIVEL. ESTB CIRC W/AFU. WKRD MILL SHOE OVER TOF @ 1,832'. WASHOVER FISH FR/1,832' - 1,965'. CIRC WELL CLN. RD SWIVEL. TOH W/WASHOVER PIPE & 3-7/8" MILL SHOE W/FISH. REC 2 JTS 1-1/2" TBG & 1-1/2 X 16' CUT OFF TBG. TIH W/3-7/8" OVERSHOT, XO, BMPR SUB, HYD JARS, 6 - 3-1/2" DCS & 54 JTS 2-3/8" TBG. WKRD OVERSHOT OVER TOF @ 1,965'. WKRD TBG FR/20 - 35K. COULD NOT JAR TBG FREE. RLSD OVERSHOT & TOH W/16 JTS TBG. SWI.

04/07/05: FIN TOH W/OVERSHOT. NO REC. TIH W/3-7/8" MILL SHOE, 6 JTS 3-3/4"

WASHOVER PIPE, XO, BMPR SUB, HYD JARS, 6 - 3-1/2" DCS & 48 JTS 2-3/8" TBG. RU SWIVEL. ESTB CIRC W/AFU. WKRD MILL SHOE OVER TOF @ 1,965'. WASHOVER FISH FR/1,965' - 2,161'. CIRC WELL CLN. RD SWIVEL. TOH W/WASHOVER PIPE & MILL SHOE. TIH W/3-7/8" OVERSHOT, XO, BMPR SUB, HYD JARS, 6 - 3-1/2" DCS & 54 JTS 2-3/8" TBG. ESTB CIRC W/AFU. WKRD OVERSHOT OVER TOF @ 1,965'. WKRD TBG FR/20 - 40K. COULD NOT JAR TBG FREE. RLSD OVERSHOT. TOH W/16 JTS TBG. SWI.

04/08/05 FIN TOH W/OVERSHOT. TIH W/3-7/8" EXTERNAL TBG CUTTER, 6 JTS 3-3/4" WASHOVER PIPE, XO, BMPR SUB, HYD JARS, 6 - 3-1/2" DCS & 48 JTS 2-3/8" TBG. WKRD CUTTER OVER TOF @ 1,965'. WASHOVER FISH FR/1,965' - 2,161'. ENGAGED CUTTER. CUT OFF 1-1/2" TBG @ 2,146'. TOH W/WASHOVER PIPE & CUTTER. REC 5 JTS 1-1/2" TBG & 1-1/2" X 15' CUT OFF. TIH W/3-7/8" MILL SHOE, 6 JTS 3-3/4" WASHOVER PIPE, XO, BMPR SUB, HYD JARS, 6 - 3-1/2" DCS & 54 JTS 2-3/8" TBG. ESTB CIRC W/AFU. WKRD MILL SHOE OVER TOF @ 2,146'. WASHOVER FISH FR/2,146' - 2,277'. RETURNS & MILLING SHOWED TI SPOT IN CSG @ 2,277'. CIRC WELL CLN. RD SWIVEL. TOH W/WASHOVER PIPE & MILL SHOE. SWI.

04/09/05 TIH W/3-7/8" EXTERNAL TBG CUTTER, 6 JTS 3-3/4" WASHOVER PIPE, XO, BMPR SUB, HYD JARS, 6 - 3-1/2" DCS & 55 JTS 2-3/8" TBG. WKRD CUTTER OVER TOF @ 2,146'. WASHOVER FISH FR/2,146' - 2,250'. ATTD TO ENGAGE CUTTER W/O SUCCESS. TOH W/WASHOVER PIPE & CUTTER. RE-DRESSED CUTTER. TIH W/3-7/8" EXTERNAL TBG CUTTER, 6 JTS 3-3/4" WASHOVER PIPE, XO, BMPR SUB, HYD JARS, 6 - 3-1/2" DCS & 55 JTS 2-3/8" TBG. ESTB CIRC W/AFU. WKRD CUTTER OVER TOF @ 2,146'. WASHOVER FISH FR/2,146' - 2,250'. ENGAGED CUTTER. CUT OFF TBG @ 2,250'. TOH W/WASHOVER PIPE & EXTERNAL TBG CUTTER. REC NO FISH W/CUTTER. SWI.

04/10/05 SDF SATURDAY.

04/11/05 SDF SUNDAY.

04/12/05 TIH W/3-7/8" OVERSHOT, XO, BMPR SUB, HYD JARS, 6 - 3-1/2" DCS & 64 JTS 2-3/8" TBG. WKRD OVERSHOT OVER TOF @ 2,147'. CAUGHT FISH. WKRD TBG FREE. TOH W/OVERSHOT W/FISH. REC 3 JTS 1-1/2" TBG & 1-1/2" X 15' CUT OFF. TIH W/3-7/8" MILL SHOE, 6' WASHOVER PIPE EXT 1 JT 3-3/4" WASHOVER PIPE.

XO, BMPR SUB, HYD JARS, 6 - 3-1/2" DCS & 63 JTS 2-3/8" TBG. RU SWIVEL. ESTB CIRC W/AFU. WRKD MILL SHOE OVER TOF @ 2,250'. WASHOVER FISH FR/2,250' - 2,280'. MILLING & RETURNS INDICATED TOP OF BAD CSG @ 2,278'. CIRC WELL CLN. RD SWIVEL. TOH W/WASHOVER PIPE & 3-7/8" MILL SHOE. SWI.

04/13/05 TIH W/3-7/8" MILL SHOE, 6' WASHOVER PIPE EXT, 1 JT 3-3/4" WASHOVER PIPE, XO, BMPR SUB, HYD JARS, 6 - 3-1/2" DCS & 63 JTS 2-3/8" TBG. RU SWIVEL. ESTB CIRC W/AFU. WRKD MILL SHOE OVER TOF @ 2,250'. WASHOVER FISH FR/2,280' - 2,285'. MILLING SLOWED DWN. CIRC WELL CLN. RD SWIVEL. TOH W/WASHOVER PIPE & 3-7/8" MILL SHOE. REC 1-1/2" X 19' CUT OFF TBG & A 3" X 4' PIECE OF CSG. TIH W/WRPSLD 3-7/8" MILL SHOE, 6' WASHOVER PIPE EXT 1 JT 3-3/4" WASHOVER PIPE, XO, BMPR SUB, HYD JARS, 6 - 3-1/2" DCS & 63 JTS 2-3/8" TBG. RU SWIVEL. ESTB CIRC W/AFU. WRKD MILL SHOE OVER TOF @ 2,269'. WASHOVER FISH FR/2,285' - 2,286'. CIRC WELL CLN. RD SWIVEL. TOH W/16 JTS TBG. SWI.

04/14/05 TIH W/3-7/8" MILL SHOE, 6' WASHOVER PIPE EXT, 1 JT 3-3/4" WASHOVER PIPE, XO, BMPR SUB, HYD JARS, 6 - 3-1/2" DCS & 16 JTS 2-3/8" TBG. RU SWIVEL. ESTB CIRC W/AFU. WRKD MILL SHOE OVER TOF @ 2,269'. WASHOVER FISH FR/2,286' - 2,296'. MILLG SLOWED DWN. CIRC WELL CLN. RD SWIVEL. TOH W/WASHOVER PIPE & MILL SHOE. TIH W/WRPSLD 3-7/8" MILL SHOE, 6' WASHOVER PIPE EXT 1 JT 3-3/4" WASHOVER PIPE, XO, BMPR SUB, HYD JARS, 6 - 3-1/2" DCS & 63 JTS 2-3/8" TBG. RU SWIVEL. ESTB CIRC W/AFU. WRKD MILL SHOE OVER TOF @ 2,269'. WASHOVER FISH FR/2,269' - 2,310'. CIRC WELL CLN. RD SWIVEL. TOH. SWI.

04/15/05 TIH W/3-7/8" MILL SHOE, 6' WASHOVER PIPE EXT, 1 JT 3-3/4" WASHOVER PIPE, XO, BMPR SUB, HYD JARS, 6 - 3-1/2" DCS & 20 JTS 2-3/8" TBG. TGD @ 2,300' (10' FIL). RU SWIVEL. ESTB CIRC W/AFU. RETURNS W/HVY COAL FNS. WRKD MILL SHOE OVER TOF @ 2,269'. WASHOVER FISH FR/2,300' - 2,318'. MILLING SLOWED DWN. CIRC WELL CLN. RD SWIVEL. TOH W/WASHOVER & MILL SHOE. REC 3" X 4' PIECE OF CSG. TIH W/3-3/4" BOX TAP, XO, BMPR SUB, HYD JARS, 6 - 3-1/2" DCS & 63 JTS 2-3/8" TBG. TGD @ 2,269'. RU SWIVEL. ESTB CIRC W/AFU. CO FILL FR/2,269' - 2,318'. RETURNS W/HVY COAL FNS. WRKD FISHING TL @ 2,318'. CIRC WELL CLN. RD SWIVEL. TOH W/BOX TAP. REC NO FISH. SWI.

04/16/05 TIH W/3-7/8" MILL SHOE, 2 JTS 3-3/4" WASHOVER PIPE, XO, BMPR SUB, HYD JARS, 6 - 3-1/2" DCS & 61 JTS 2-3/8" TBG. TGD @ 2,292' (26' OF NEW FIL). RU SWIVEL. ESTB CIRC W/AFU. WRKD MILL SHOE THRU TI SPT IN CSG FR/2,292' - 2,301' (4 HR). RETURNS SHOWED METAL W/LT COAL FNS. MILLING SLOWED DWN. CIRC WELL CLN. RD SWIVEL. TOH W/WASHOVER PIPE & MILL SHOE. SWI.

04/17/05 SDF SATURDAY.

04/18/05 SDF SUNDAY.

04/19/05 TIH W/3-7/8" MILL SHOE, 2 JTS 3-3/4" WASHOVER PIPE, XO, BMPR SUB, HYD JARS, 6 - 3-1/2" DCS & 65 JTS 2-3/8" TBG. TGD FILL @ 2,290' (11' OF NEW FIL). RU SWIVEL. ESTB CIRC W/AFU. WRKD MILL SHOE THRU TI SPT IN CSG FR/2,292' - 2,297' (5 HRS). RETURNS SHOWED 95% COAL FNS W/CMT & SD. MILLING SLOWED DWN. CIRC WELL CLN. RD SWIVEL. TOH W/WASHOVER PIPE & MILL SHOE. TIH W/3-7/8" MILL SHOE, 1 JT 3-3/4" WASHOVER PIPE, XO, BMPR SUB, HYD JARS, 6 - 3-1/2" DCS & 66 JTS 2-3/8" TBG. TGD FILL @ 2,287' (10' OF FIL). RU SWIVEL. ESTB CIRC W/AFU. WRKD MILL SHOE THRU TI SPT IN CSG FR/2,292' - 2,300' (2 HRS). RETURNS SHOWED 95% COAL FNS W/CMT & SD. MILLING SLOWED DWN. CIRC WELL CLN. RD SWIVEL. TOH W/WASHOVER PIPE & MILL SHOE. SWI.

04/20/05 TIH W/6-3-1/2" DCS & 66 JTS 2-3/8" TBG. TOH & LD W/66 JTS 2-3/8" TBG & 6 - 3-1/2" DCS. ND BOP. NU WH. SWI. RDMO PU.