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11-25-84	Drill to 1161' & circulate gas out, Drill ahead to 1171' circulate as gas show present, Drill ahead @ 600 hrs to 1203' circulate and shut well in to weight up mud, well flowing about 200 gallons fresh water per minute from fractured andesite, @ 630 hrs drill ahead to @ 1600 hrs at 1619', 1600hrs to 1700 hrs wipe hole 600' 15M drag hole ok, drill ahead to 1777' @ 2000 hrs note pit gain p. u. kelly mix bar wt up, @ 2100hrs to 2400 hrs drill ahead to 1914. Pump #1 SPM 110, PP 1200, RPM 80, WOB 30,000.
11-26-84	Drill to 2197' circulate hole clean and wipe hole 600', RIH weight up with barite to @ 830 hrs, Drill ahead to 2511, 1330 hrs POH to shoe for mud condition (water zones in hole flowing in lowering vis and weight) condition pits to 10.5 lbs. Pumps #2 SPM 110, PP 1200 RPM 80, WOB 30,000.
11-27-84	Continue weight up to 10.5 until 130 hrs, RIH w/10 stands, P/U kelly & displace watered mud in hole work pipe through tight spot at app. 1620' weight up mud until 430 hrs, RIH to 500 hrs, Pick kelly up ream tight spots at 1990'-2083' and 2370'-2510' circulate and build high vis sweep, @ 1200 hrs to 1330 hrs W/O barite material, Drill ahead to 2865'. Pumps #1&2 SPM 100/110, PP 1400, RPM 80, WOB 25K.
11-28-84	Drill to 3167' @ 1100 hrs, Circulate for wipe trip from 2200' @ 1100 hrs to 1330 hrs, Pick up kelly unplug bit, Drill ahead to 3180' (note torque increase and severe bouncing @ 3180', Slow up rotary till smooth @3200'), Drill ahead to 3376'. Pumps #2 SPM 110 PP 1200, RPM 80/60, WOB 25,000 lbs.
11-29-84	Drill ahead to 3471' @ 600 hrs circulate drop survey POH for NB Survey 6½", @ 1030 hrs RIH until 1400hrs pick up kelly break circ. tight spot @ 2168' lay down 6 jts drill pipe & ream 200' to 2370', @ 1545 hrs lay down 9 singles dp, tight spot through 2070' POH to change BHA @ 1930 hrs to 2230 hrs, RIH @ 2330 hrs until bridge at 1395' ream out under gauge hole. Pump #1 SPM 100, PP 1200 RPM 60, WOB 25,000.
11-30-84	Continue RIH & ream tight hole until @ 1230 hrs, POH 4 stds and RIH ream to 1600 hrs, Under gauge hole, @ 1630 hrs circulate & condition mud at 3008' (gas cut), Continue ream to bottom. Pumps #1 & 2, SPM 100/110, PP 1200,.
12-1-84	Pull off bottom due to well still flowing fresh water, Pull to 330 hrs and circulate & build wt to @ 900 hrs, POH NB #5 RIH ream bottom 120' to TD, Start drilling @ 2200 hrs drill to 3510', Pump #2, SPM 100, PP 1700, RPM 45/50, WOB 20/25,000.
12-2-84	Drill ahead to 3569' @ 800 hrs reduce WOB to control deviation ROP = 10 feet/hr, Drill ahead to 3636' POOH to 3000' for wiper trip RIH until 1600 hrs, Drill ahead to 3700', Pumps #1, SPM 110, PP 1700, RPM 45/50, WOB 20/25,000 lbs..

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12-3-84	Drill to 3741' @ 0030 hrs Short trip to 2980' and ream 40' to bottom, Drill ahead 3824' @ 1500hrs for wipe hole trip, Wipe hole 5 stds & ream last 30' to bottom, Drill ahead to 3860' ROP = 10-14 feet/hr. Pump 1, SPM 100, PP 1800, WOB 20/25000 lbs., RPM 50/45.
12-4-84	Drill ahead to 3907' @ 600 hrs and wipe hole 10 stds (tight 4 stds out), @ 700 hrs circ. up thick mud, 815-830 hrs ream 20' to bottom drill ahead to 3949 and @ 1200 hrs drop survey and POH 5 stds lay down 12 jts DP, Pump pill tight 1jt off bottom pulled 175 from survey (survey 4 ^o), POOH @ 1400 hrs L/D DP, Jars and 10 DCs', Make up new BHA @ 2000 hrs and P/U 21 jts HWDP. Pumps 1 & 2, PP 1800 SPM 105, RPM 50.
12-5-84	Start 2200 hrs 12/4/84 make up jars + HWDP and RIH, @ 0030 hrs wash and ream to bottom, @ 130 hrs drill ahead to 1715 hrs at 4194', Circulate bottoms up wipe hole/5stds drag, @ 1815 hrs RIH drill ahead to 4188 and loss of circulation 70 bbls, Circulate & mix mud/LCM at 70 SPM. Pump #1&2, 110/50SPM, PP 1600/500, RPM 50.
12-6-84	Start 2200 hrs 12/5/84 to 115 hrs build volume and mix LCM, Drill ahead/partial returns of about 50% to 4213' at 230 hrs lost circ. and empty pits/no returns, POOH to shoe (no drag) build volume (wt on bottom 110,000#/tirp), @ 930 hrs RIH clean to bottom (well started flowing water from 1200' depth artesian @ 900 hrs), @ 1130 hrs sweep on bottom and drill ahead to 4361', Pump #1, SPM 70, PP 500, RPM 55.
12-7-84	Start 2200 hrs 12/6/84, Drill to 4407' lost circulation @ 300 hrs work tight hole, packoff @ 330 hrs, Build volume and circ/partial returns, RIH @ 400 hrs wash to 4392' loss 50% circ. build volume untill 715 hrs, Drill ahead to 4427' and lose circulation, @ 830 hrs POOH to shoe/jars off bottom, @ 1015 hrs build volume, Rig service cut Drlg line and slip, @ 1615 hrs RIH and ream from 4382-4425, Drill ahead @ 1915 hrs to 4944', @ 2130 hrs bit jets plug POH to clean bit. Pump #1 & 2, PP 1750, SPM 115, RPM 50.
12-8-84	From 2200 hrs 12/7/84 to 230hrs 12/8/84 POOH to clean plug (Bit sub plugged with LCM), RIH @ 515 hrs and clean to bottom, loss circulation/partial returns until 645 hrs, tight/torque until 700hrs, Drill ahead to 4703' To 2000hrs. Pump #1 & 2, SPM 60/130, PP 250/650, RPM 50/60, WOB 35,000.
12-9-84	Drill ahead from 2200hrs 12/8/84 to 4826' @ 645 12/9/84 and service rig, Drill ahead to 5031' at 2000 hrs. (note well flowing from 1200' artesian.) Pump #1, SPM 80/110/90, PP 350/506/350, RPM 50/60, WOB 35/25/40.

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- 12-10-84 Drill ahead from 2200hrs 12/9/84 to 830 hrs 5136' 12/10/84 and service rig, @ 845 hrs, circ for trip to change bit drop survey and POOH tight at 2280', @ 1200 hrs break out bit and dress up new bit #8 STC F-2 12/12/12, RIH to shoe @ 1315 hrs, P/U kelly to put kelly spinners & Pump pressure sending unit, @ 1600 hrs RIH hit tight spot at approx 3300' Ream away to 2000hrs. Pump #1, SPM 90 PP 350/375/1200, WOB 35k/28k/32k, RPM 50.60, SPM 90.
- 12-11-84 From 2200 hrs 12/10/84 to 430 hrs ream @ 3489' raise vis and wt, from 430 hrs to 500 hrs lay dn 3 jts & run 1std #2 no go, from 500 hrs to 730 hrs Pickup kelly & ream to 3570', @ 730 hrs jar at 3590', from 745 hrs to 1400 hrs weight up mud & circ, clean pits & ream, from 1400 hrs to 1830 hrs ream 3660' to 4095', pull @ 1830 hrs to 1900 hrs jar from 4097' to 3847', to 2000hrs break circ & cond mud. Ream get stuck, jar, pull, ream get stuck, jar pull.
- 12-12-84 From 2200hrs 12/11/84 to 2130 hrs 12/11/84 circulate and clean hole, @ 400 hrs 12/12/84 POOH slow tight hole 1/3 std to @ 500 hrs, Make up new bit #9 HTC J3 12/12/12 and RIH to shoe, From 600 hrs to 2000 hrs clean mud pits,
- 12-13-84 From 2200 hrs 12/12/84 to 145 hrs 12/13/84 clean pits of sand, From 145 hrs to 600 hrs build volume and condition mud, From 600 hrs to 615 hrs service rig & equipment, From 615 hrs to 1400 hrs condition mud & weight up & circulate, From 1400 hrs to 2000 hrs continue to condition mud & circulate at the shoe (802').
- 12-14-84 From 2200 hrs 12/13/84 to 130 hrs 12/14/84 condition mud at shoe and weight up to 10.8, from 130hrs to 215 hrs weld on csg 9 5/8, from 215 hrs to 300 hrs build wt and condition mud to 11.0 lb, from 300 hrs to 600 hrs weld on 9 5/8 csg, from 600 hrs to 615 hrs service rig and equipment, to 700 hrs weld on 9 5/8 csg., from 700 hrs to 745 hrs RIH to 2,000', to 1100 hrs P/U kelly circulate and cond. mud, to 1200 hrs POOH 4 stds 1/d 16 jts, to 1315 hrs RIH to 2005' L/D 12 jts, to 1330 hrs RIH to 1995', to 1400 hrs P/U kelly ream to 2005', to 1930 hrs ream from 2005' to 2344' app., to 2000 hrs circ. & cond. mud, to 2045 hrs break off kelly & lay down 11 jts, to 2115 hrs RIH 4 stds (unable to get last snl down/back off), from 2115 hrs to 2200 hrs Ream ahead. Pump #1 SPM 110/90, PP 1250/1000, RPM 50/70 and 80/90, WOB 5k/10k.
- 12-15-84 From 2200 hrs 12/14/84 ream to 2697' & 500hrs 12/15/84, to 600hrs run 5 stds and wipe hole tight for 3 stds out, @ 615 hrs service rig, @ 845 hrs P/U kelly wash 90' and Ream to 2913', from 845hrs to 1115 hrs circulate hole and ream to 3070', from 1115hrs to 1300 hrs circ and L/D 12 jts and RIH to 3070', from 1300 hrs to 1545 hrs Ream to 3292', from 1545 hrs to 1715 hrs wash hole change oil #1 Motor, to 2200 hrs Ream to 3449'. Pump #1, SPM 90/60/110, PP 1000/900/1250, RPM various 0 to 90, WOB 5k/25k.

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- 12-16-84 From 2200hrs 12/15/84 to 600hrs 12/16/84 ream from 3449'-3491', (started making what looked like new hole 4'/hr @ 3455' then fell through @ 3479'), to 615 hrs service rig, To 900hrs ream and then twist off, From 900hrs to 1100hrs M/U overshot fish (partial fish) L/D 1 jt, to 1145 hrs P/U 2 jts w/tail to sort back to box, to 1300 hrs POOH/ partial string chain out tight Brks, to 1400 hrs top of fish 1498' L/D jt no pin, from 1400 hrs to 1430 hrs make up overshot, to 1500 hrs RIH 15 stds, to 1530 hrs pick up 4 sgls and tag fish at app. 1585', to 1600 hrs attemp. to retrieve fish, to 1700 hrs POOH slow no fish, make up wear bushing retrieval tool & retrieve bushings , to 1730 hrs, to 2200 hrs wait on fish tools.

- 12-17-84 To 1830 hrs wait on fish tools, to 1930 hrs make up fish tools, to 2130 hrs RIH kelly wash down tag fish 1522', to 2200 hrs latch fish POOH.

- 12-18-84 From 2200 hrs 12/17/84 to 130 hrs 12/18/84 chain out retrieved all DP 27 HWDP + jars, to 500 hrs break out & make up over shot, to 830 hrs RIH w/overshot, to 1230 hrs wash f/3140'-3441', to 1245 hrs serv. rig, to 1300 hrs POOH, to 1315 jar on pipe, to 1415 POOH L/D 8 jts and service rig, to 1500 hrs cont POOH, to 1530 hrs repair mud box & back out, to 1630 hrs POOH, to 1730 hrs break & lay down tools, to 1800 hrs set wear bushing, to 2115 hrs. make up BHA & RIH to 3217', to 2200 hrs break circulation @ 3217'.

- 12-19-84 From 2200 hrs 12/18/84 to 700 hrs 12/19/84 ream f/3217'-3441', to 830 hrs circ hole clean pump pill, to 1030 hrs blow dwn kelly, to 1230 hrs brk/out bit m/u overshot RIH serv rig, to 1400 hrs wash F/3370'-3436', to 1445 hrs sit down on fish-did not hand cuff, to 1530 hrs pump pill & blow down kelly, to 1645 hrs POOH, to 1800 hrs brk/overshot & clean same, to 1815 hrs m/u new hand cuffs, to 1915 hrs RIH, to 2145 hrs wash 90' to top of fish & hook on, to 2200 hrs jar on fish pulled 200k-free.

- 12-20-84 From 2200 hrs 12/19/84 to 000 hrs 12/20/84 grabed fish, graples let loose a few times, to 215 hrs mix pill come out of hole (no drag), to 245 hrs brk/out overshot (skirt brole of BOW/stripping rubber inside overshot), to 600 hrs WO fish tools, top of fish 3438', to 615 hrs service rig, to 730 hrs wait on fishing tools, to 915 hrs Brk/out XO P/U 1 Jt DP RIH, to 1000 hrs P/U kelly attempt to screw into box get fish, 1045 hrs circ pump pill blow down kelly, to 1145 hrs circulate pump pill POOH w/fish lost fish, to 1400 hrs L/D 1 Jt wait on fish tools, to 1430 hrs service Rig and equipment to 2200 hrs wait on tools.

- 12-21-84 From 2200 hrs 12/20/84 to 1100 hrs 12/21/84 wait on fishing tools, to 1145 hrs M/U fishing tools, to 1345 hrs RIH 26 2/3 stds, to 1500 hrs PU kelly & wash & ream from 3336'-3376', to 1530 hrs service rig - pump slug & blow kelly down, to 1645 hrs POOH, to 1800 hrs Brk/out overshot make up XOs and bit adjust breaks, to 1915 hrs RIH, to 2200 hrs ream 3351'-3376'.

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- 12/22/84 From 2200 hrs 12/21/84 to 000 hrs. 12/22/84 ream 3376' to 3437' top of fish, mill on rubber, to 100 hrs circ top of fish cond mud pump pill, to 315 hrs POOH no drag blowdown kelly, to 415 hrs B/out bit make up overshot, to 600 hrs RIH hit bridge @ 3347', to 945 hrs wash and ream 3347' to 3435', to 1015 hrs mix pill service rig, to 1300 hrs POOH, to 1330 hrs B/down fish tools, to 1400 hrs wait on orders, to 2200 hrs wait on tools, at 2200 decide to abandon fish and kick off, after 2200 hrs shut down rig, WEGE unit put on stand by.
- 12/23/84 Dry watch.
- 12/24/84 Dry watch.
- 12/25/84 Dry watch, Merry Christmas.
- 12/26/84 To 600 hrs Dry watch, to 1400 hrs wait on orders and Halliburton, to 1830 hrs wait on Halliburton, to 2000 hrs RIH, to 2130 hrs break circ and rig up Halliburton, 2200 hrs set back and blow down kelly, WEGE unit off stanby at 2300 hrs.
- 12/27/84 From 2200 hrs 12/26/84 to 2215 hrs 12/26 cement plug w/43 sks cement, from 3270' to 3190', to 2230 hrs 12/26 pull 3 stds slow, to 2245 hrs 12/26 attempt to reverse circ no good, to 000 hrs 12/27/84 pull 1 std and circ long way, to 100 hrs pull to shoe, to 300 hrs wait on cement, to 500 hrs RIH to 3129 and circulate, to 830 hrs circulate hole clean, to 1030 hrs POOH, to 1045 hrs service rig, to 1215 hrs RIH and strap pipe, 31 stds 2911', to 1230 hrs P/U kelly and break circulation, to 1300 hrs rig up Halliburton, to 1330 hrs pump cement plug at 3280', to 1530 hrs pull 4 stds reverse circulation and break down tools, to 1615 hrs POOH to 1253 feet, to 1630 hrs rig up halliburton, to 1700 hrs pump cement plug at 1245', to 1900 hrs pull 4 stds and circulate long way, to 1930 hrs POOH, to 2200 hrs pick up DCs.
- 12/28/84 From 2200 hrs 12/27/84 to 100 hrs 12/28/84 wait on cement-string up survey wire and general rig maint., To 115 hrs presure test plug to 150 PSI - no good, to 300 hrs RIH lag down 3 stds to work with & strap in, to 415 hrs wash F/1050 to 1193 and tag cement @ 1193 feet, to 600 hrs drill cement F@1193 to 1195 feet - high torque and overpull 63,000 lbs., to 700 hrs attempt drill cement 1195' (high torque and overpull for 90m), to 800 hrs POOH B/off bit severly worn & scarred/cone pulled and jammed against other cones, to 1045 hrs service rig make up mill & RIH, to 1245 hrs mill on junk at 1193', to 1330 hrs POOH, to 1400 Hrs make out and up magnet RIH, to 1600 hrs RIH/magnet, to 1830 hrs POOH/magnet, to 1930 hrs RIH/magnet & mill, to 2100 hrs POOH/magnet & mill got part of 36" pipe wrench, to 2130 hrs break off junk basket clean, to 2200 hrs RIH w/same.
- 12/29/84 From 2200 hrs 12/28/84 to 2215 hrs 12/28 RIH top of fish w/magnet & junk basket, to 2300 hrs 12/28 clean hole & jenk in hole, to 0030 hrs 12/29/84 POOH slow chain out, to 130 hrs lay out magnet & junk basket - M.U. Bowen rev sirc basket, to 215 hrs RIH & clean hole, to 300 hrs fish w/basket, to 430 hrs POOH slow chain out, to 530 hrs lay out fish tools and clean same, to 600 hrs M.U. BHA and RIH, to 830 hrs tag cement at 1195', to 915 hrs drill cement.

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12/29/84	to 915 hrs drill cement 1195'-1254', to 930 hrs circulate clean hole, to 1100 hrs RIH tag cement 3303', to 1230 hrs circulate over plug, to 1300 hrs POOH 10 stds, to 1330 hrs RIH 10 stds, to 1400 hrs test cement plug, to 1600 hrs mix pump pill strap out of hole, (strap 3327.74'), to 1930 hrs change BHA + jars, to 2030 hrs RIH, to 2100 hrs wash 20' to 3327', to 2200 hrs survey @ 3307'.
12/30/84	From 2200 hrs 12/29/84 to 100 hrs 12/30/84 Dyna drill f/3327' to 3345', With 2° sub, To 200 hrs survey @ 3305, to 300 hrs ream and wash F/3327 to 3345', to 815 hrs Dyna drill F/3345' to 3371', to 1100 hrs mix pill and POOH, to 1130 hrs Service rig, to 1230 hrs M/U new BHA, to 1430 hrs RIH 3334', to 1530 hrs ream 3334' to 3368', to 2200 hrs drlg 3368 to 3395'. WOB 30k, RPM 80/90, PP 1200/1300, spm 91/110, Pump #1, Mud wt 9.4, vis 38/65/63, (water from 1195' flowing in hole during static circ). survey 8°; N25W; 14.17'N; 6.7'W; tvd 3417'; (d=1'); vsec 13.77'.
12/31/84	From 2200 hrs 12/30/84 to 500 hrs 12/31/84, drlg to 3432', to 600 hrs survey @ 3418', to 630 hrs circulate and mix slug, to 845 hrs POOH change bit, to 915 hrs service rig, to 1130 hrs RIH, to 1400 hrs ream from 3360' to 3432', to 2200 hrs drlg f/3432' to 3526', Pump #2 PP 1300, SPM 100, WOB 30k, RPM 80/100/80. HAPPY NEW YEAR AND LUCK FOR US ALL.
1/1/85	From 2200 hrs 12/31/84 to 2300 hrs 12/31/84 survey @ 3527' 7.75° N34W 25:41'N, 13.06'W, tvd 3515', (d=2'), v sec 12.76', to 315 hrs 1/1/85 drill 8 3/4" hole F/3527' to 3548', to 400 hrs circulate and mix dry job, to 700 hrs Pump pill and POOH, to 814 hrs cut and slip line 100', to 1045 hrs RIH, to 1445 hrs ream 2463' to 3548', to 2200 hrs drlg F/3548' to 3683'. survey @ 3611' 7½° N25W, Pump #2, spm 100, PP 1600, WOB 28k, RPB 80.
1/2/85	From 2200 hrs 1/1/85 to 500 hrs 1/2/85 drill F/3689' to 3779', to 600 hrs survey 3762'-7°45'-N18 W, to 730 hrs drill F 3779 to 3809', to 800 hrs circulate for wipe trip and service rig, to 845 hrs POOH tight off bottom 200,000 lbs jars fired 4 times, to 900 hrs RIH tight and around 3310', to 1530 hrs ream 3310'-3809', to 2130 hrs Drlg F/3809' to 3894', to 2200 hrs circulate for short trip and pump pill, Pump #2 100 SPM, PP 1759, WOB 25/30k, RPM 60.70, Wt 10.3/10.7, vis 52/80.
1/3/85	From 2200 hrs 1/2/85 make 10 stnd wiper trip to 2930' to 2345 hrs 1/2/85 ream f/ 3455'-3558', to 00 hrs 1/3/85 RIH to bottom no fill, to 700 hrs drlg F 3894' to 3984', to 745 hrs circulate for logger c/sample, to 800 hrs drlg F/3984'-3987', to 900 hrs circulate hole clean, to 1000 hrs survey 3981' 8° N12W, to 1200 hrs wipe hole 10 stds, to 1315 hrs circ, to 1430 hrs POOH for E-logs L/D 1 jt lower hole looks good strap out 3986.44', to 1700 hrs rig U/schlumberger, to 2130 hrs log/Schlumberger, to 2200 hrs rig down schlumberger, Pump #2, PP 1750 WOB 28k, RPM 70, SPM 110, Wt 10.7+, vis 100+.

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1/4/85	From 2200 hrs 1/3/85 to .45 hrs 1/4/85 lay out monel stab & M/U A. and RIH slow to 3957', to 130 hrs ream Ream F/3957' to 3987' / TD, to 300 hrs circulate and condition mud, to 415 hrs POOH, to 2300' and lay down DP chain out, to 600 hrs lay down 14 stds, to 615 hrs service rig, to 745 hrs RIH, to 1400 hrs ream F 3717' to 3987', to 1800 hrs circulate, to 1900 hrs circ @ 3987', to 2130 hrs pull 6 stds tight off bottom west to bottom no problem, 20' fill, to 2230 hrs circ @ 3987', Pump #2, SPM 100, PP 1800, WOB 15K, RPM 60, wt 10.9, vis 100+/53+.
1/5/85	From 2200 hrs 1-4-85 to 730 hrs POOH lay down DP HWDP drill collars, and break down kelly, to 1000hrs P/wear bushings and rig to run 7" pipe (wear bushing stuck), to 1630 hrs run 7" csg to 3953', to 1730 hrs rig up haliburton and break circ, to 1815 hrs circ @ 3953' and work pipe good returns, to 1915 hrs work pipe and cement W/870 skx displace w/156 bbls, to 2400 hrs nipple down.
1/6/85	To 130 hrs cut casing and dress for tubing head pack off, to 700 hrs nipple up tubing head test at 7AM leaks API ring not in groove, to 815 hrs renipple tubing head and test @ 3000psi 15 min test good, to 930 hrs nipple up adapter flange, to 1400 hrs set stack down and nipple up, to 2200 hrs nipple up unload DP and load out trucks,
1/7/85	To 330 hrs cont nipple up and load and unload trucks, to 400 hrs service rig, to 600 hrs Jack derrick leg attempt to shim derrick, to 800 hrs finish tighten derrick bolts center pipe rams and rotary bushings pick up 3½" subs kelly and leveled on derrick.
1/8/85	From 2200 hrs 1/7/85 to 00 hrs 1/8/85 tighten derrick bolts test BOP (1500psi 15 min), to 0030 hrs service rig, to 100 hrs strap pipe and collars-clear away pipe rack clutter, to 600 hrs pick up collars and WHDP, to 630 hrs service rig, to 715 hrs pick up 3½" DP, to 800 hrs strap pipe, to 1030 hrs pick up 3½ pipe tag cement @ 3868' (float collars), to 1100 hrs break circulation plugged jets clean out ok, to 1200 hrs drill cement collar, to 1300 hrs drill cement, to 1400 hrs drill shoe and condition mud, to 1600 hrs circ and condition mud drlg f/3948'-3978', to 2115 hrs Drlg F/3978'-3987' drlg 6 1/8" hole new formation 3987'-4103', hole pack off @ 4084', to 2200 hrs mix pill and pump and survey 8°, RPM 60/70, WOB 15/20/25, PP 1700/1750, Pump#1, SPM 80, wt. 9.0, vis 36/38/40.
1/9/85	From 2200 hrs 1/8/85 to 130 hrs 1/9/85 b/off kelly pull 1 std PU kelly and circulate mix pill and pump POOH, to 200 hrs service rig retrieve survey 8°, to 500 hrs m/NB and RIH/ New BHA, to 530 hrs ream from 4032', to 2200 hrs Drill F/4103' to 4388', RPM 70, WOB 20/25 PP 1500/1700/1750, SPM 70, wt 9.0+, vis 40/38.
1/10/85	From 2200 hrs 1/9/85 to 200 hrs 1/10/85 drill to 4455', to 230 hrs circ bottoms up and break off kelly, to 300 hrs pull 5 stds wipe hole, to 330hrs circ 1 std off bottom bottoms up, to 445hrs drill F 4455 to 4476' torque fractures, to 530 hrs circulate bottoms up/mix slug, to 600 hrs drop survey POOH, to 800 hrs pull wet pipe/no crows foot,

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1/10/85 cont'	to 830 hrs repair rig and make up bit read survey 8° @ 4476', to 1015 hrs RIH, to 1300 hrs drill 4476' to 4532', to 1345 hrs sl loss circulation, to 1430 hrs drill to 4550', to 1600 hrs tight hole to 2200 hrs drill F 4550'-4633', Pump #1, SPM 70/50, PP 1700 WOB 20/25, RPM 70, wt. 9.0+, vis 40/45.
1/11/85	From 2200 hrs 1/10/85 to 015 hrs 1/11/85 drill from 4633' to 4667', to 215 hrs lost circulation work pipe add LCM, to 300 hrs drill w/partial returns 4667'-4681', to 745 hrs work pipe build volume, to 1245 hrs dlg + build volume 4681'-4769', to 2030 hrs lost circulation B/volume w/pipe LCM, to 2400 hrs drill forward 4768' to 4790' lost circulation. RPM 70, WOB 20/25, PP 1200/1100, SPM 50, Pump #1.
1/12/85	From 2200 hrs 1/11/85 to 100 hrs 1/12/85 Dlr F 4790'-4833', to 145 hrs POOH 10 stds to shoe @ 3883', to 700 hrs build volume mix mud, to 715 hrs service rig, to 745 hrs RIH 10 stds, to 1045 hrs D F 4833' blind no returns, to 1115 hrs change pupm 1 to 2, to 2200 hrs Drlg F to 5083', Pump #1/2, RPM 70, WOB 20/25, PP 1100/1800 plug jet /1250, SPM 50.
1/13/85	From 2200 hrs to 1/12/85 2330hrs Drill forward to 5108' no returns, to 045hrs 1/13/85 work pipe build volume, to 515 hrs drill to 5175' to no returns, to 730 hrs build volume, to 800 hrs DF to 5221' service rig survey @ 5221' 2°, to 1615 hrs POOH, to 1900 hrs RIH attempt to break circulation no good, partial returns at @ 1900hrs, to 2400 hrs build volume, Pump #2, PP 1250, SPM 56, RPM 70, WOB 25,
1/14/85	To 500 hrs Build volume, to 730 hrs Drill ahead to 5256' no returns, to 900 hrs drill to 5270' partial returns, to 2300 hrs drill forward to 5418' increase returns about 77%, to 2400 hrs service rig, Pump #2, 750 PP, SPM 65, RPM 70, WOB 20/25k, continue to have loss of about 25%.
1/15/85	From 2400 hrs 1/14/85 to 1400 hrs 1/15/85 Drill ahead with returns from 5425' to 5607', to 1500 hrs Wipe hole, from 1500 hrs Drill ahead 5607' to 5715' @ 2400 hrs, Pump #2, SPM 60, PP 850, RPM 70, WOB 20/25, Vis 42, Wt 8.7.
1/16/85	From 2200 hrs 1/15/85 to 715 hrs 1/16/85 Drl F 5695'-5753', to 1015hrs mix and pump pill, to 1400 hrs cut 50' Dlg line, to 1600 hrs MU/NB & BHA and RIH to shoe, to 1630 hrs Build volume to fill hole, to 1730 hrs RIH, to 1745 hrs ream 5708'-5753', to 2000 hrs junk hole for 15 min Drill F 5753'-5774', to 2030 hrs circulate and mix pill, to 2200 hrs pump pill and POOH, RPM 70, WOB 20/25, PP 850/1000, SPM 58, wt 8.5, vis 38.
1/17/85	From 2200 hrs 1/16/85 to 200 hrs 1/17/85 RIH, to 2400 hrs 1/17/85 Drlg forward 5774'-6080', Pump #1, PP 1500, SPM 50, WOB 20/25k, RPM 70, wt 8.5, vis 38.

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1/18/85	From 2400 hrs 1/17/85 to 2245 hrs 1/18/85 drill fr/6188' to 6377', to 2400 hrs POOH pump #2, SPM 60, PP 1500/1250, WOB 20/25, RPM 70, wt 8.6, vis 35.
1/19/85	From 000 hrs 1/19/85 to 200 hrs POOH, to 2300 hrs MU NB, to 0500 hrs RIH, to 1145 hrs drill ahead 6377' to 6439', to 1400 hrs POOH to shoe, to 1630 hrs repair light plant, to 1745 hrs RIH to btm, to 2130 hrs drill fr/6439' to 6464', WOB 20/25, RPM 70, PP 1500/1250, SPM 60, wt 8.6, vis 35, to 2400 hrs drill to 6471'.
1/20/85	To 0200 hrs circ for sample, to 0700 hrs drill ahead to 6539', pump #2, WOB 20/25, RPM 60, PP 1450, SPM 60, stop drilling at 1100 hrs after drilling basement and wait on orders to 2400 hrs.
1/21/85	To 0800 hrs w.o.o. and circ hole; to 1000 hrs RIH-5' fill; to 1100 hrs circ btms up; to 1400 hrs POOH; to 1500 hrs rig up SCHLUMBERGER; to 2400 hrs run SCHLUMBERGER DIL.
1/22/85	To 0900 hrs run SCHLUMBERGER SONIC, DCL, DIP; to 1000 hrs rig down SCHLUMBERGER; to 1400 hrs w.o.o.
1/23-2/17/85	w.o.o. Dry watch logging unit and Rig.
2/18/85	WESTERN GEO-ENGINEERS self-released; tear out WEGE logging unit 1445 hrs; dry watch Rig; w.o.o.
2/19-5/23/85	Dry watch Rig; w.o.o.
5/24/85	ROVOR moved off.
6/21/85	Declared improperly abandoned by DOGAMI; bond money to be used for clean-up/abandon.