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**FAX**

NUMBER OF PAGES INCLUDING COVER SHEET

DATE: July 6, 1998TO: UNIVERSITY LANDS  
UNIVERSITY #2

FROM: TAURUS EXPLO.

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06/16/98: First Report: Test all of the anchors, all tested good. Unload & rack 362 jts of 2 7/8" L-80 6.5# EUE 8rd tbg. Had gravel delivered to fill in the cellar. MIPU & SION. Will RU & RIH w/ a bit & scraper this a.m. DC-\$1,876, AT-\$1,876.

06/17/98: PU & RIH w/ a 6" tooth bit, a 7" casing scraper, XO, SN, & 2 jts of 2 7/8" L-80 6.5# EUE 8rd tbg. Worked thru a tight spot @ 74' FS & continued in the hole. RIH down to 4,833', the hole started running over, (Oil), from the tbg displacement. RU the swab & swabbed 28 BF, (11 BO/17 BW), to the TT, RD the swab. Continued RIH w/ the tbg, tagged-up @ 5,159', worked & rotated, could not work past 5,159'. POOH w/ the 166 jts of tbg, SN, XO, CS, & bit. SION, will RIH open-ended this a.m. DC-\$2,830, AT-\$4,706.

06/18/98: RIH w/ a 2 7/8" coupling, SN, & 166 jts of 2 7/8" L-80 6.5# EUE 8rd tbg. Did not touch anything going thru the spot @ 5,159'. Continued in the hole w/ 44 additional jts of tbg & tagged-up @ 6,524'. Attempted to work thru w/ no success. RU a pump truck & reversed 120 BFW while attempting to go down w/ no success @ getting any deeper than 6,524'. RD the pump truck & POOH w/ 210 jts of 2 7/8" tbg, SN, & coupling. The bottom of the coupling on bottom looked like it had been setting down on another tbg collar. SION, will RIH w/ a tapered mill to open the spot @ 5,159', & run an impression block to get a look @ what is @ 6,524' this a.m. DC-\$1,218, AT-\$5,924.

06/20/98: PU & RIH w/ a 5 7/8" tapered string mill, 4 1/8" x 6' pony DC, 5 7/8" stabilizer, 1-4 1/8" DC, & 1 jt of 2 7/8" tbg. Tagged-up @ 74' FS, worked & rotated thru the tight spot @ 74' w/ the mill, RIH, & the stabilizer would not go thru the spot @ 74'. POOH & LD the stabilizer & pony collar. RIH w/ the 5 7/8" tapered string mill, 4-4 1/8" DC's, & 162 jts of 2 7/8" tbg. Did not feel anything while rotating down thru the tight spot @ 5,159'. Continued in the hole w/ 44 additional jts, (Total of 206), down to 6,524'. Tagged-up, circulated the hole clean, & POOH. RU & ran a 5 1/2" lead impression block on 2 jts of 2 7/8" tbg & the sandline. Tagged-up @ 6,524' & POOH. The impression block showed the 7" casing to be parted & laying over to one side. RIH w/ a 2 7/8" x 6' "1/2 mule-shoed" sub, & 210 jts of 2 7/8" tbg. Attempted to go inside the parted casing w/ no success, continued to go down beside the casing. POOH w/ 55 jts of tbg & SIFWE. Will put a bend in the sub & attempt to enter Monday a.m. DC-\$4,472, AT-\$16,002.

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**06/21/98: SIFWE, will resume operations Monday a.m. AT-\$16,002.**

**06/22/98: SIFWE, will resume operations this a.m. AT-\$16,002.**

**06/23/98: POOH w/ the tbg & the 2 7/8" x 6' mule-shoed sub. Put a 3" off-set bend in the sub. RIH w/ the bent mule-shoed sub & 210 jts of 2 7/8" tbg. Started working the sub @ 6,518', worked down to 6,560' & 6,565' & would stop, (Acted like the tubing was sliding down the outside casing wall until it made contact w/ a casing coupling @ 6,560'). Continued to work the sub @ different depths & positions w/ no success @ getting any deeper than 6,565'. POOH w/ the tbg & bent mule-shoed sub. Plated over the end of the mule-shoe & cut 2-1/2" holes @ 180 degrees, 2' up from the point of the mule-shoe to act as a kicker, also beveled the tbg coupling atop of the bent sub. RIH w/ the 2 7/8" x 6' modified bent mule-shoed & 210 jts of 2 7/8" tbg down to 6,518'. RU the stripper & swivel, kicked in the pump, the rate was 2 BPM @ 350#. Worked into the 7" casing stub & went down to 6,580'. LD the swivel, PU & RIH w/ 3 additional jts of tbg, the tbg was running good hitting only when a tbg coupling was going by the top of stub. Pulled 1 stand of tbg, (EOT @ 6,612'), & SION. Will continue running tbg to find PBD this a.m. DC-\$2,669, AT-\$18,671.**

**06/24/98: Continued RIH w/ the 2 7/8" tubing, having to rotate a tubing collar thru the stub occasionally. Tagged-up @ 10,232', attempted to work & rotate deeper w/ no success, (Existing Devonian perforations were from 10,957'-11,050'). POOH w/ 329 jts of tbg & the bent/ported sub. PU & RIH w/ a 4 1/2" cement nosed guide shoe, 3 jts, (85 ft) of 4 1/2" K-55 11.60# LT&C casing, XO, & 207 jts of 2 7/8" tubing, (As a dummy casing run). Tagged-up @ 6,524', rotated into the 7" casing stub & on down to 6,530'. RIH w/ the EO the 4 1/2" casing down to 6,874'. Felt all of the casing collars going thru & every other tubing collar. POOH w/ the tbg & casing, had no problems pulling back out the hole. SION, will run in w/ open-ended tubing thru the casing part to guide Schlumberger's logging tools this a.m. DC-\$2,518, AT-\$21,189.**

**06/25/98: RIH w/ 2 7/8" mule-shoed collar & 210 jts of 2 7/8" tbg. Tagged-up @ 6,524', rotated into the stub, & continued RIH w/ an additional 15 jts of the 2 7/8" tubing down to 7,008'. RU Schlumberger & ran a GR/CNL/RST log from 8,750' back up to 8,400' FS. RD Schlumberger & SION to WOO. DC-\$9,813, AT-\$31,002.**

**06/26/98: RIH w/ a total of 329 jts of 2 7/8" down to 10,232'. RU BJ Services & displaced the hole w/ 370 bbls of fresh water. Mixed & spotted a 50 sack Class "H" neat cement plug @ 10,232', calculated top of plug is @ 9,940'. POOH/LD the 2 7/8" workstring. NDBOP & 11"/3M x 7 1/16"/3M tbg head, the top jt of casing was 7 5/8". Welded on a 3 1/2" extension onto the 7 5/8" casing. Welded on a SO 7 5/8" "R" type casing head, NUBOP, & SION. Unloaded & racked 168 jts of 4 1/2" J-55 11.60# LT&C R-3 & 39 jts of 4 1/2" K-55 11.60# LT&C R-3 casing. Cleaned, drifted, & visually inspected the casing. Prep to run the 4 1/2" casing today. DC-\$10,420, AT-\$41,422.**

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06/27/98: RU & RIH w/ a 4 1/2" mule-shoed guide shoe, (0.57'), 1 jt of 4 1/2" J-55 11.60# LT&C casing, (44.93'), AF float collar, (0.60'), 167 jts of 4 1/2" J-55 11.60# LT&C casing, (7,466.04'), & 35 jts of 4 1/2" K-55 11.60# LT&C casing, (1,440.67'). Ran a total of 203 jts of 4 1/2" casing totaling 8,953' set @ 8,967'. RU BJ Services & pumped 140 BFW to clear the casing. Cemented w/ 100 sacks of BJ Lite "C", (65/35/6), mixed @ 12.4 ppg w/ a 1.98 yield, tailed w/ 100 sacks of Class "C" w/ 0.6% FL-25, mixed @ 14.8 ppg w/ a 1.32 yield, (Total of both slurries-330 cu ft). Displaced w/ 130 bbls of 2% KCl water, the plug was down w/ 1,800# @ 6:25 p.m., 06/26/98, held the psi 5 mins w/ no bleed-off, released the psi & the float held good. Had good circulation thru-out the job, w/ 5 bbls of displacement remaining, closed the 4 1/2" x 7" annulus & squeezed the remaining cement into the casing part @ 6,524', the pressure went from 900# to 1,200#. RD BJ, NDBOP, installed the 4 1/2" casing slips & set w/ 92M#. Made the 4 1/2" casing cut & welded on a 4 1/2" bell-nipple. Installed the 4 1/2" tubing head & NUBOP. SIFWE/WOC. Will log & perforate Monday a.m. DC-\$49,365, AT-\$90,787.

06/28/98: SIFWE/WOC, will log & perforate tomorrow a.m. AT-\$90,787.

06/29/98: SIFWE/WOC, will log & perforate this a.m. AT-\$90,787.

06/30/98: RU Wedge/Dia-Log & ran a GR/CCL/CBL log from WL PBTD of 8,913' back up to 6,900' FS. Had good bond between casings, had questionable cement behind the 7" casing, TOC between the 4 1/2" & 7" was @ 6,419'. RIH & perforated w/ a 3 1/8" DP "Slick-Gun" loaded w/ 2-120 degree 19 gram JSPF from 8,698'-8,706', (8'/17 holes), RDWL. Unloaded & racked 290 jts of 2 3/8" J-55 4.7# EUE 8rd tubing. PU & RIH w/ a 2 3/8" x 4 1/2" Model "R" packer, SN, & 283 jts of 2 3/8" tubing. Set the packer @ 8,625' & SION. Will start swab testing this a.m. DC-\$23,162\*, AT-\$113,949. \*Includes the price of the 2 3/8" string of tubing.

07/01/98: 11 hrs SITP-0#. RU the swab, IFL-1,600' FS, pulled the first run from 2,500' FS, recovered 3 1/2 BF, 100% water. Swabbed 2 hrs, recovered 34 BF, samples started showing drilling mud. Swabbed a total of 6 hrs, recovered a total of 106 BF, making 4 runs/hr, recovering 15-20 BFPH, w/ the FL was staying constant @ 2,300', samples were gas-cut formation water w/ drilling mud. RD the swab & POOH w/ the tubing, SN, & packer. SION, prep to squeeze today. DC-\$1,384, AT-\$115,333.

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07/02/98: RUWL, RIH, shot 4 squeeze holes @ 8,150', RDWL. RIH w/ a 4 1/2" cement retainer, SN, & 284 jts of 2 3/8" J-55 4.7# EUE 8rd tbg. RU BJ Services & pumped 35 BFW thru the retainer, set the retainer @ 8,656', tested the tbg to 4,000#, & stung out of the retainer. Stung back in, loaded the casing w/ 2 BFW, & established an injection rate down the tubing of 2.0 BPM @ 1,000#, w/ no blow from the casing. Increased the rate to 2.7 BPM @ 2,000# w/ a slight blow from the casing. Re-loaded the casing w/ 1 BFW & established an injection rate of 2.0 BPM @ 1,000#. Got back on the tbg & re-established an injection rate of 2.0 BPM @ 1,400#. Mixed & pumped 200 sacks of Class "C" cement w/ 1/4# Cello-Flake/sack, mixed @ 14.8 ppg, w/ a yield of 1.32, (Slurry volume-264 cu ft). SD & washed the pump & lines, tbg on a vacuum. Started the displacement @ 3 BPM, caught-up w/ the cement after 10 bbls, continued the displacement @ 1 1/2 BPM, from 1,700-2,500#. SD w/ 1 1/2 bbls of cement in the tbg, psi fell to 1,500# & held. Stung out of the retainer w/ 1,500# & reversed 1 bbl of cement to the pit. RD BJ & POOH w/ the tbg, SN, & stinger. SION, will test the top squeeze holes this a.m. DC-\$9,153, AT-\$124,486.

07/03/98: RU a pump truck, loaded the casing w/ 12 BFW, established an injection rate of 2 BPM @ 1,000# w/ 50 BW, & RD the pump truck. RIH w/ a 3 7/8" tooth bit, 4 1/2" casing scraper, SN, & 269 jts of 2 3/8" tbg down to 8,206', w/ no problems & POOH. RIH w/ a 4 1/2" cement retainer, SN, & 266 jts of 2 3/8" J-55 4.7# EUE 8rd tbg. RU BJ Services & pumped 35 BFW thru the retainer, set the retainer @ 8,109', tested the tbg to 4,000#, & stung out of the retainer. Stung back in, loaded & pressured the casing to 500#, & established an injection rate down the tubing of 2.0 BPM @ 1,500#. Pumped 10 BFW ahead mixed & pumped 50 sacks of Class "C" cement w/ 1% CaCl2, tailed w/ 50 sacks of Class "C" neat, both slurries were mixed @ 14.8 ppg, w/ a yield of 1.32, (Slurry volumes-132 cu ft). SD & washed the pump & lines, tbg on a vacuum. Started the displacement @ 3 BPM, caught-up w/ the cement after 8 bbls, continued the displacement @ 1 BPM, from 300-450#. SD w/ 5 bbls of cement remaining in the tbg, the psi fell to 250# & held. Hesitated the final squeeze psi to 750# w/ 3 1/2 additional bbls of cement over 25 additional minutes, the pressure was holding @ 750# w/ no bleed-off. Stung out of the retainer w/ 750#, PU 8', & reversed 1 1/2 bbls of cement to the pit w/ 55 BFW. RD BJ & POOH w/ the tbg, SN, & stinger. PU & RIH w/ a new 3 7/8" HTC tooth bit, 6- 3 1/8" DC's, & 42 jts of 2 3/8" tbg down to 1,435'. SIFHWE/WOC, will drill-out the squeezes Monday a.m. DC-\$7,693, AT-\$132,179.

07/04/98: SIFWE, will start the drill-out Monday a.m. AT-\$132,179.

07/05/98: SIFWE, will start the drill-out tomorrow a.m. AT-\$132,179.

07/06/98: SIFWE, will start the drill-out this a.m. AT-\$132,179.

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DATE: July 13, 1998**TO: UNIVERSITY LANDS  
UNIVERSITY #2****FROM: TAURUS EXPLO.****PHONE 915-684-4404****PHONE 915-687-1155****FAX PHONE 915-688-0466****FAX PHONE 915-687-1796**

07/07/98: Finished RIH w/ the bit, DC's, & a total of 260 jts of 2 3/8" tbg. Tagged-up @ 8,102' & RU the stripper & swivel. Commenced drilling good/hard cement down to the cement retainer @ 8,109', drilled the retainer in 2 rotating hrs, & continued drilling good hard cement down to, & fell out @ 8,152'. Circulated the hole clean & pressure tested the casing to 650# for 30 minutes, held good. Continued in the hole & tagged-up @ 8,656'. Drilled the retainer @ 8,656' in 2 rotating hrs, continued drilling medium/hard cement down to, & fell out @ 8,710'. RIH down to 8,717', circulated the hole clean, displaced the hole w/ 2% KCl water & pressure tested the casing to 600# for 15 minutes, held good. RD the stripper & swivel, POOH w/ 280 jts of 2 3/8" tbg, & LD the DC's & bit. SION, will perforate & acidize this a.m.  
DC-\$2,464, AT-\$134,643

07/08/98: RU Wedge/Dia-Log & perforated w/ a 3 1/8" DP "Slick-Gun" loaded w/ 2-120 degree 19 gram JSPF from 8,698'-8,706', (8'/17 holes), RDWL. PU & RIH w/ a 2 3/8" x 4 1/2" Model "R" packer, SN, & 285 jts of 2 3/8" tubing. RU BJ Services & spotted 2 BA @ 8,709'. Pulled 3 jts of tbg up to 8,709', reversed w/ 15 bbls of 2% KCl water, set the packer @ 8,597' in 18 pts compression, & pressured the annulus to 500#. Let the spot acid soak a total of 30 minutes. Acidized w/ 1,000 gallons of 15% NEFE/HCl acid & 40-7/8"/1.3 SGBS, the formation broke @ 1,400#, AIR was 3 BPM @ 2,500#, had good BA, but did not BO, overflushed the acid by 10 bbls, ISDP-950#, 5 min-800#, 10 min-650#, & the 15 min SITP was 500#, have 103 BLWTR. RD BJ, opened the well to the TT & flowed back 3 BF/5 mins & died. RU the swab, IFL was @ the surface, swabbed a total of 5 hrs & recovered 83 BF, FFL was 4,100' FS, the last 3 runs had a trace of oil & some gas during the runs. DC-\$7,060, AT-\$141,703.

07/09/98: 13 hr SITP-150#. RU the swab, IFL was @ 3,000' FS, pulled from 4,100' FS, recovered 4 BF, 75% oil-cut. Afterwards, swabbed a total of 8 hrs & recovered a total of 114 BF. The last 3 hrs, making 3-4 runs/hr, recovering 12-15 BFPH, w/ a constant FL of 4,000' FS, the oil-cut had increased to 15% the last hr, & the gas had increased thru-out the day from a show during the runs, to a good steady blow @ all times. Have recovered 198 bbls of a 103 BL, 95 BOL. SION, will pull the tbg & packer & prep to put on pump. DC-\$2,006, AT-\$143,709.

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**07/10/98: 16 hr SITP-240#, well blew down in less than 2 minutes. RU the swab, IFL was @ 3,000' FS, pulled from 4,250' FS, recovered 5 BF, 75% oil-cut. Afterwards, swabbed a total of 3 hrs & recovered a total of 46 BF. The last hr, made 3 runs, recovered 10 BF, FFL-4,000' FS, 15% oil-cut, & a steady blow of gas. Have recovered 244 bbls of a 103 BL, 141 BOL. Released the Model "R" packer @ 8,597' & POOH w/ the tbg, SN, & packer. SION, plan to run the production tubing & rods today. Should have the well pumping early next week. DC-\$1,083, AT-\$144,792.**

**07/11/98: PU & RIH w/ a 2 7/8" BPMA/PS, a 2 3/8" x 4 1/2" TAC, SSN, SN, & 287 jts of 2 3/8" J-55 4.7# EUE 8rd tbg. NDBOP, set the TAC in 15 pts tension, & NUWH. The 13 ft KB corrected EOT is @ 8,788', the TAC is set @ 8,754', & the SN is @ 8,752'. PU & RIH w/ a 1" x 20' GA, a 2 x 1 1/4 x 30 x 34 DSV, STV, (w/ Dartt Valve), 5' SMP, RHBC, pump, a 7/8" 26K shear tool, 18-7/8" guided rods, 126-7/8" Norris "78" grade "D" steel rods, 135-1" Fibertex FG rods, & 31' of 7/8" steel pony rods, (1-rod & 1-6'). L&P the tbg to 500#, Spaced out w/ a 1 1/4" x 30' polish rod w/ a 1 1/4" x 1 1/2" x 14' PR liner, HGPA, clamped-off, & RDMOPU. Will set the pumping unit Monday a.m. DC-\$28,679, AT-\$173,471.**

**07/12/98: Will set the pumping unit from the Stumhoffer #3 Monday a.m. AT-\$173,471.**

**07/13/98: Will set the pumping unit from the Stumhoffer #3 this a.m. AT-\$173,471**

**FAX**NUMBER OF PAGES INCLUDING COVER SHEETDATE: July 20, 1998**TO: UNIVERSITY LANDS  
UNIVERSITY #2****FROM: TAURUS EXPLO.****PHONE 915-684-4404****PHONE 915-687-1155****FAX PHONE 915-688-0466****FAX PHONE 915-687-1796****UNIVERSITY #2**

*07/14/98: Cleaned the location & leveled the pumping unit pad material. Moved-in & set the American 320-256-120 pumping unit & the Size "3" Econo-Pac electric motor from Stumhoffer #3. Made the electrical tie-ins & balanced the unit. Started the well pumping 7.3-120" SPM @ 3:00 p.m. 07/13/98. Will increase the unit speed this a.m. DC-\$30,753, AT-\$204,224*

*07/15/98: 0 BO/119 BW, (17 hrs), have a 0% WH oil-cut. Increased the unit speed from 7.3 up to 10.1 SPM & RWTP. DC-\$993, AT-\$205,217.*

*07/16/98: 8 BO/228 BW, have a 1% WH oil-cut. DC-\$140, AT-\$205,357.*

*07/17/98: 27 BO/207 BW, have a 5-6% WH oil-cut. DC-\$254, AT-\$205,611.*

*07/18/98: 19 BO/194 BW, have a 10-12% WH oil-cut. DC-\$279, AT-\$205,890.*

*07/19/98: 20 BO/186 BW, have a 10-12% WH oil-cut. DC-\$279, AT-\$206,169.*

*07/20/98: 19 BO/192 BW, have a 10-12% WH oil-cut. DC-\$279, AT-\$206,448.*

**FAX**

NUMBER OF PAGES INCLUDING COVER SHEET \_\_\_\_\_

DATE: July 27, 1998TO: UNIVERSITY LANDS  
UNIVERSITY #2

FROM: ENERGEN RESOURCES

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07/21/98: 14 BO/180 BW, have a 10-12% WH oil-cut. Increased the pumping unit speed from 10.1 up to 11.4 SPM & RWTP. DC-\$726, AT-\$207,174.

07/22/98: 15 BO/189 BW, (22 hrs, down 2 hrs to increase the pumping unit speed), have a 13% WH oil-cut. FL-243 JFS. DC-\$279, AT-\$207,453.

07/23/98: 25 BO/185 BW, have a 13% WH oil-cut. FL-270 JFS, (287 jts to SN). DC-\$50, AT-\$207,503.

07/24/98: 15 BO/177 BW, have a 9% WH oil-cut. DC-\$279, AT-\$207,782.

07/25/98: 24 BO/171 BW, have a 10-12% WH oil-cut, DC-\$50, AT-\$207,832.

07/26/98: 14 BO/163 BW. DC-\$165, AT-\$207,997.

07/27/98: 11 BO/178 BW. DC-\$279, AT-\$208,276.