

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
811 South First, Artesia, NM 87210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-103
Revised March 25, 1999

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-007-20143
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator SONAT RATON, LLC		6. State Oil & Gas Lease No.
3. Address of Operator P.O. BOX 190; RATON, NM 87740		7. Lease Name or Unit Agreement Name: VPR A
4. Well Location Unit Letter <u>F</u> : <u>1619</u> feet from the <u>North</u> line and <u>2511'</u> feet from the <u>West</u> line Section <u>1</u> Township <u>31N</u> Range <u>19E</u> NMPM COFAX County		8. Well No. <u>42</u>
10. Elevation (Show whether DR, RKB, RT, GR, etc.) <u>8289'</u> (GR)		9. Pool name or Wildcat

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☒ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☐

12.

See Attached

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE DR Lankford TITLE SR. PETROLEUM ENGINEER DATE 3/25/00

Type or print name: DON LANKFORD Telephone No.: (505) 445-4621

(This space for State use)

APPROVED BY Ry E. Johnson TITLE **DISTRICT SUPERVISOR** DATE 4/7/00
Conditions of approval, if any:



DAILY OPERATIONS REPORT

02/06/00

OPERATED

DRILLING

WELL NAME : VPR A-42 WDWOPERATOR : EL PASO

DISTRICT :

FIELD : VERMEJO PARK RANCH

LOCATION :

COUNTY & STATE : COLFAX, NMCONTRACTOR : AZTEC WELL SERVICINGWI% : AFE# : 00-11-891API# : 30-007-20143PLAN DEPTH : 7,200SPUD DATE : 2/5/00

DHC : CWC :

AFE TOTAL :

FORMATION : ENTRADA

REPORT DATE : 2/6/00 MD : 360 TVD : 360 DAYS : 1 PROGRESS : 360 HRS : 10.75 MW : VISC :
 DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :

DAILY DETAILS : DRILLING 12 1/4" PILOT HOLE F/ 40' T/ 197' WIRELINE SURVEY @ 157' = 1 DRILLING 12 1/4" PILOT HOLE F/ 197' T/ 290' WIRELINE SURVEY @ 250' = 1/4 CIRC & COND, PULL OUT OF HOLE, LAY DOWN DRILL COLLARS & 12 1/4" BIT, MAKE UP 17 1/2" BIT DRILLING 17 1/2" HOLE F/ 0 TO 122' RIG REPAIR, ROTARY CHAIN BROKE, REPLACE ROTARY CHAIN DRILLING 17 1/2" HOLE F/ 122' T/ 167' WIRELINE SURVEY @ 140' = 1 DRILLING 17 1/2" HOLE F/ 167' T/ 290' HOLE GOT TIGHT WHILE PULLING UP FOR CONNECTION, BACKREAM FROM 250' TO 190', REAM 100' BACK TO BOTTOM DRILLING 17 1/2" HOLE F/ 290' T/ 300', DRILLING NEW 17 1/2" HOLE TOO MUCH FOR RIG CLUTCH, STARTED BURNING CLUTCH PULL OUT OF HOLE, LAY DOWN 17 1/2" BIT, MAKE UP 12 1/4" BIT, TRIP IN HOLE DRILL 12 1/4" HOLE F/ 300' T/ 310' RIG REPAIR, REPLACE BROKEN J BOLTS ON KELLY BUSHING DRILL 12 1/4" HOLE F/ 310' T/ 360'

REPORT DATE : 2/7/00 MD : 360 TVD : 360 DAYS : 2 PROGRESS : 0 HRS : 0.00 MW : VISC :
 DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :

DAILY DETAILS : PULL OUT OF HOLE W/ 12 1/4" BIT ROUTINE RIG SERVICE TRIP IN HOLE W/ 17 1/2" BIT DRILL W/ 17 1/2" BIT F/ 300' T/ 360' CIRCULATE HOLE CLEAN PULL OUT OF HOLE TO RUN CASING RUN 8 JTS 13 3/8" 48# H-40 CSG TO 360' RIG UP HALLIBURTON, HOLD SAFETY MEETING, CEMENT SURFACE CASING W/ 310 SKS CMT, CIRCULATE 30 BBLs TO SURFACE REQUIRED WOC TIME CUT OFF CASING, WELD ON BRADENHEAD NIPPLE UP SPOOL, GRANT ROTATING HEAD, & 7 1/16 OUTLET VALVE NIPPLE UP BLEED, KILL, & BLEWE LINES (HAD TO REFABRICATE Y IN BLEWE LINE)

REPORT DATE : 2/8/00 MD : 1,005 TVD : 1,005 DAYS : 3 PROGRESS : 645 HRS : 13.25 MW : VISC :
 DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :

DAILY DETAILS : NIPPLE UP BLEED OFF LINES ROUTINE RIG SERVICE TRIP IN HOLE W/ DHD 112 HAMMER & 12 1/4" SMITH HAMMER BIT RIG REPAIR, REPLACE SWIVEL PACKING TEST GRANT ROTATING HEAD, HCR VALVE AND CSG TO 200 PSI FINISH IN HOLE & TAG CEMENT @ 290' UNLOAD HOLE W/ AIR DRILL CEMENT W/ MIST F/ 290' TO 360' BLOW DRY - DUSTING DRILL F/ 360' T/ 604' W/ AIR (51.36'/HR) HOLE BECAME WET, PUT ON 4th COMPRESSOR & BLOW TO MIST DRILL F/ 604' T/ 728' W/ MIST (38.15'/HR) ROUTINE RIG SERVICE AND CHANGE OUT AIR HAND DRILL F/ 728' T/ 1,005' W/ MIST (53.29'/HR)

REPORT DATE : 2/9/00 MD : 2,115 TVD : 2,115 DAYS : 4 PROGRESS : 1,010 HRS : 23.25 MW : VISC :
 DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :

DAILY DETAILS : DRILLING F/ 1,005' T/ 1,321' W/ AIR MIST ROUTINE RIG SERVICE DRILLING F/ 1,321' T/ 2,115' W/ AIR MIST



DAILY OPERATIONS REPORT

02/10/00

OPERATED

DRILLING

WELL NAME : VPR A-42 WDW

OPERATOR : <u>EL PASO</u>	DISTRICT :
FIELD : <u>VERMEJO PARK RANCH</u>	LOCATION :
COUNTY & STATE : <u>COLFAX</u> , <u>NM</u>	CONTRACTOR : <u>AZTEC WELL SERVICING</u>
WI% : AFE# : <u>00-11-891</u> API# : <u>30-007-20143</u>	PLAN DEPTH : <u>7,200</u> SPUD DATE : <u>2/5/00</u>
DHC : CWC : AFE TOTAL	FORMATION : <u>ENTRADA</u>

REPORT DATE : 2/10/00 MD : 2,545 TVD : 2,545 DAYS : 5 PROGRESS : 430 HRS : 10.50 MW : VISC :
 DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :

DAILY DETAILS : DRILLING F/ 2,115' T/ 2,254' W/ AIR MIST CIRCULATE HOLE CLEAN CHANGE OUT BLEWE LINE
 DRILLING F/ 2,254' T/ 2,545' W/ AIR MIST, TD 12 1/4" HOLE @ 2,545' CIRCULATE HOLE CLEAN
 PULL OUT OF HOLE, LAY DOWN HAMMER ROUTINE RIG SERVICE TRIP IN HOLE W/ 12 1/4"
 ROCK BIT MIX CALCUIM CARBONATE FLAKES, GEL, & CAUSTIC FLUID & BUILD VOLUME RIG
 REPAIR, #1 MUD PUMP MIX CALCUIM CARBONATE FLAKES, GEL, & CAUSTIC FLUID & BUILD
 VOLUME LOAD HOLE W/ 270 BBLs CALCUIM CABOBONATE LADEN FLUID MIX CALCUIM
 CARBONATE FLAKES, GEL, & CAUSTIC FLUID & BUILD VOLUME LOAD HOLE W/ 130 BBLs
 CALCUIM CABOBONATE LADEN FLUID, CIRCULATE HOLE AND BUILD VOLUME

REPORT DATE : 2/11/00 MD : 2,545 TVD : 2,545 DAYS : 6 PROGRESS : 0 HRS : MW : VISC :
 DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :

DAILY DETAILS : CIRCULATE AND CONDITION MUD WHILE BUILDING VOLUME TRIP IN HOLE W/ 5 STANDS,
 CIRCULATE AND CONDITION MUD TINH W/ 5 STDS, BREAK CIRC, REAM TO 2,525', STUCK PIPE,
 WORK FREE, PULL UP HOLE 60' & WORK BACK DOWN TO 2,515', LOST CIRCULATION PULL UP
 HOLE TO 2,200' MIX MUD & LCM, BUILD VOLUME PUMP 30 BBLs & REGAIN CIRCULATION
 WASH & REAM TO 2,483', LOST CIRC, PULL UP TO 2,452' RU HOWCO, MIX & PUMP FLOCELE
 PILL W/ NO CIRC OR LIFT PRESSURE MIX & PUMP FLOCELE PILL, REGAINED CIRC AFTER PUMP
 10 BBLs, SPOT PILL F/ 2,452' T/ 2,240', POOH W/ 4 STDS ATTEMPT TO SQUEEZE, PRESSURE UP
 REPEATEDLY TO 200 PSI, BLEED TO 100 PSI IN 3 MIN W/ NO IMPROVEMENT. TRIP IN HOLE W/ 9
 JTS TO 2,480', SET DOWN & COULD NOT GET ANY DEEPER, RU TO LD DP LAY DOWN DRILL
 PIPE & 8" DRILL COLLARS RIG UP BULL RODGERS CASING TOOLS HOLD SAFETY MEETING
 RUN 10 3/4" 40.5# J-55 ST&C CASING

REPORT DATE : 2/12/00 MD : 2,545 TVD : 2,545 DAYS : 7 PROGRESS : 0 HRS : MW : VISC :
 DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :

DAILY DETAILS : RUN 40 JTS 10 3/4" 40.5# J-55 CASING, BREAK CIRC EVERY 10 JTS. LOAD & BREAK CIRC, LOST
 CIRC, BUILD MUD WHILE RUNNING CSG TO 2,440' RU & CIRC TO 2,482', 1/4 RETURNS, RU
 HALLIBURTON, HOLD SAFETY MEETING CMT 10 3/4" CSG W/ 280 SKS LEAD MIXED @ 11.5 PPG
 & 60 SKS TAIL MIXED @ 13.5 PPG MIDCON CMT, LOST CIRC 128 BBLs INTO DISPLACEMENT, PLUG
 DOWN @ 15:07, FLOATS HELD. WAIT ON CEMENT RU PATTERSON WIRELINE, RUN TEMP
 SURVEY TO LOCATE TOP OF CMT, EST. TOC @ 2,380' WAIT ON ORDERS RU PATTERSON
 WIRELINE, RUN TEMP SURVEY TO LOCATE TOP OF CMT, EST. TOC @ 2,380'



DAILY OPERATIONS REPORT

02/13/00

OPERATED

DRILLING

WELL NAME : VPR A-42 WDWOPERATOR : EL PASO

DISTRICT :

FIELD : VERMEJO PARK RANCH

LOCATION :

COUNTY & STATE : COLFAX, NMCONTRACTOR : AZTEC WELL SERVICINGWI% : AFE# : 00-11-891API# : 30-007-20143PLAN DEPTH : 7,200SPUD DATE : 2/5/00

DHC : CWC :

AFE TOTAL :

FORMATION : ENTRADAREPORT DATE : 2/13/00 MD : 2,545 TVD : 2,545 DAYS : 8 PROGRESS : 0 HRS : MW : VISC :DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :

DAILY DETAILS : PERFORATE 10 3/4" CSG @ 1,950' RU HALLIBURTON, PUMP 250 SKS CMT MIXED @ 12.5 PPG, DISPLACE W/ WATER, @ 3 BPM CIRCULATED FOR 160 BBLs INTO DISPLACEMENT, LOST CIRCULATION, DISPLACE TO 186 BBLs, ISIP=150 PSI. WAIT ON CEMENT RU PATTERSON WIRELINE, RUN TEMP SURVEY, EST. TOC @ 1,930', PERFORATE 10 3/4" CSG @ 1,690' ESTABLISH INJECTION RATE OF 4 BPM & 450 PSI WAIT ON HALLIBURTON PUMP 250 SKS CMT MIXED @ 12.5 PPG, DISPLACE W/ WATER @ 2 BPM, NO CIRCULATION, SLOW DISPLACEMENT TO 1 BPM, NEVER CIRCULATED, PUMP PRESSURE DID INCREASE FROM 450 PSI TO 700 PSI DURING DISPLACEMENT, ISIP=500 PSI, PRESSURE SETTLED @ 415 PSI, SWI, RD HALLIBURTON. WAIT ON CEMENT

REPORT DATE : 2/14/00 MD : 2,545 TVD : 2,545 DAYS : 9 PROGRESS : 0 HRS : MW : VISC :DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :

DAILY DETAILS : REQUIRED WOC TIME RU PATTERSON WIRELINE, RUN TEMP SURVEY TO LOCATE TOP OF CEMENT, EST TOP @ 1,557', PERF SQUEEZE HOLES @ 1,240' WAIT ON HALLIBURTON RU HALLIBURTON, EST INJ RATE OF 2 BPM @ 700 PSI, NOT ENOUGH TO SQUEEZE. PERFORATE SQUEEZE HOLES @ 940'.

EST INJ RATE OF 2.5 BPM @ 700 PSI, NOT ENOUGH TO SQUEEZE, RIG UP TO BRADEN HEAD, EST INJ RATE OF 5 BPM @ 550 PSI. PERFORATE SQUEEZE HOLES @ 595'. EST INJ RATE OF 3 BPM @ 170 PSI, PUMP 75 SKS MIDCON CMT MIXED @ 12.5 PPG, DISPLACE W/ WATER @ 3 BPM, SLOW RATE TO 1.5 BPM, 1 BBL CMT RETURNS TO SURFACE, RD HOWCO REQUIRED WOC TIME CUT OFF CSG, NIPPLE UP CSG HEAD, TEST TO 1,250 PSI NIPPLE UP 11" 3M BOPS, CHANGE PIPE RAMS & KELLY F/ 3 1/2". TEST BLIND RAMS, CHOKE MANIFOLD, KILL LINE TO 1,000 MAKE UP & SURFACE TEST HAMMER. PU & TIH W/ BHA TEST PIPE RAMS TO 1,000 PSI

REPORT DATE : 2/15/00 MD : 3,297 TVD : 3,297 DAYS : 10 PROGRESS : 752 HRS : 8.75 MW : VISC :DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :

DAILY DETAILS : INSTALL ROTATING HEAD RUBBER TAG CMT @ 575', DRILL OUT CMT. TIH & TAG CMT @ 1,595' DRILL OUT CMT TO 1,650' TIH & TAG CMT @ 1,980' DRLG CMT, PLUG RUBBERS, AND FLOAT EQUIPMENT CIRC & WASH TO BOTTOM, CIRC ON BOTTOM DRLG F/ 2,545' T/ 2,591', HOLE WOULD NOT DRY UP CHANGE OVER TO AIR / MIST DRLG F/ 2,591' T/ 3,297'

REPORT DATE : 2/16/00 MD : 4,556 TVD : 4,556 DAYS : 11 PROGRESS : 1,259 HRS : 17.25 MW : VISC :DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :

DAILY DETAILS : DRILLING F/ 3,297' T/ 3,374' W/ AIR MIST ROUTINE RIG SERVICE DRILLING F/ 3,374' T/ 4,556' W/ AIR MIST, HAMMER QUIT HITTING CIRCULATE HOLE CLEAN POOH, HAMMER BIT SHANK WAS BROKEN MAKE UP BIT, SURFACE TEST HAMMER, TIH WASH & REAM 120' TO BOTTOM FOR SAFETY.



DAILY OPERATIONS REPORT

02/17/00

OPERATED

DRILLING

WELL NAME : VPR A-42 WDW

OPERATOR : EL PASO DISTRICT :
 FIELD : VERMEJO PARK RANCH LOCATION :
 COUNTY & STATE : COLFAX , NM CONTRACTOR : AZTEC WELL SERVICING
 WI% : AFE# : 00-11-891 API# : 30-007-20143 PLAN DEPTH : 7,200 SPUD DATE : 2/5/00
 DHC : CWC : AFE TOTAL : FORMATION : ENTRADA

REPORT DATE : 2/17/00 MD : 5,982 TVD : 5,982 DAYS : 12 PROGRESS : 1,426 HRS : 20.50 MW : VISC :
 DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :

DAILY DETAILS : DRILLING F/ 4,556' T/ 4,642' W/ AIR MIST ROUTINE RIG SERVICE DRILLING F/ 4,642' T/ 5,355' W/
 AIR MIST HOLE WAS LOADING UP, CIRC HOLE CLEAN DRILLING F/ 5,355' T/ 5,893' W/ AIR MIST
 HOLE WAS LOADING UP, WORK TIGHT HOLE, CIRC HOLE CLEAN DRILLING F/ 5,893' T/ 5,982' W/
 AIR MIST

REPORT DATE : 2/18/00 MD : 6,410 TVD : 6,410 DAYS : 13 PROGRESS : 428 HRS : 11.00 MW : VISC :
 DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :

DAILY DETAILS : DRILLING F/ 5,982' T/ 6,044' w/ air mist ROUTINE RIG SERVICE DRILLING F/ 6,044' T/ 6,387' W/
 AIR MIST CHANGE OUT BLEED-OFF LINE (PLUGGED), CIRC HOLE CLEAN DRILLING F/ 6,387' T/
 6,410' W/ AIR MIST, TD 9 7/8" HOLE @ 6,410' CIRCULATE HOLE CLEAN, PUMP SEVERAL SWEEPS
 POOH, HIT TIGHT SPOT @ 6,230', COULD NOT WORK THRU IT. PU KELLY, PUT AIR BACK ON
 HOLE, PULLED THRU TIGHT SPOT, WORK & REAM THRU SPOT, NEVER SEEN IT AGAIN. FINISH
 POOH, LD 6" DRILL COLLARS CHANGE OUT PIPE RAMS, RU SAN JUAN CSG CREW, HOLD
 SAFETY MEETING. RUN 6 JTS 7 5/8" 29.7# & 97 JTS 7 5/8" 26.4# J-55 CASING

REPORT DATE : 2/19/00 MD : 6,410 TVD : 6,410 DAYS : 14 PROGRESS : 0 HRS : MW : VISC :
 DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :

DAILY DETAILS : RUN 30 JTS 7 5/8" CASING TAG UP 5,560', INSTALL ROTATING HEAD RUBBER ATTEMPT TO
 CIRC, PRESSURE UP TO 600 PSI, BLEED OFF PULL 2 JTS CSG, ATTEMPT TO CIRC, PRESSURE
 UP TO 600 PSI ATTEMPT TO GO HOLE W/ JT, ONLY GOT IN 15', LOAD CSG W/ WATER WORK
 STUCK CSG, CUOLD NOT MOVE PIPE, CSG STUCK @ 5350', RD CSG CREW CEMENT 7 5/8" CSG
 W/ 300 SKS CEMENT, DISPLACE W/ WATER @ 2 BPM & 350 PSI, PLUG DID NOT BUMP, FLOATS
 DID NOT HOLD. REQUIRED WOC TIME

REPORT DATE : 2/20/00 MD : 6,410 TVD : 6,410 DAYS : 15 PROGRESS : 0 HRS : MW : VISC :
 DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :

DAILY DETAILS : RD CMT HEAD, RU PATTERSON WIRELINE, RUN TEMP SURVEY, TAG UP @ 4,680', RD WIRELINE
 RU HALLIBURTON, ATTEMPT TO TEST SHOE JT & PLUG, PUMP IN @ 2 BPM & 450 PSI, DROP DV
 TOOL BOMB, EST INJ RATE OF 3 BPM & 325 PSI, PUMP 300 SKS CMT, DROP PLUG, DISPLACE @ 3
 BPM, AT 97 BBLS SLOW RATE TO 2 BPM, W/ 111 1/2 BBLS DISPLACEMENT CMT LOCKED UP. RD
 HALLIBURTON WAIT ON CEMENT RELEASE PRESSURE, ND BOPS, SET CSG SLIPS W/ 140,000
 LBS CUT OFF CSG, NU TBG HEAD NU BOPS CHANGE OUT PIPE RAMS ATTEMPT TO
 TEST BOPS, LEAKED BETWEEN BOPS & WELLHEAD TIGHTEN BOLTS ON FLANGES TEST
 BLIND RAMS, CHOKE MANIFOLD, & KILL LINE TO 1,000 PSI ANTIFREEZE & BLOWOUT CHOKE
 MANIFOLD & LINES PU 10 - 5" DRILL COLLARS & TIH W/ 31 STDS, TAG SOFT CMT @ 1,950', LD
 DRILL PIPE TO DRILL OUT CMT.



DAILY OPERATIONS REPORT

02/21/00

OPERATED

DRILLING

WELL NAME : VPR A-42 WDWOPERATOR : EL PASO

DISTRICT :

FIELD VERMEJO PARK RANCH

LOCATION :

COUNTY & STATE : COLFAX, NMCONTRACTOR : AZTEC WELL SERVICINGWI% : AFE# : 00-11-891API# : 30-007-20143PLAN DEPTH : 7,200SPUD DATE : 2/5/00

DHC : CWC : AFE TOTAL :

FORMATION : ENTRADAREPORT DATE : 2/21/00 MD : 6,410 TVD : 6,410 DAYS : 16 PROGRESS : 0 HRS : MW : VISC :DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :

DAILY DETAILS : LAY DOWN DRILL PIPE TO DRILL OUT CMT TIH W/ 31 STDS, TAG CMT @ 2,230' INSTALL ROTATING HEAD RUBBER, TEST PIPE RAMS TO 1,000 PSI. DRILL CMT F/2,230' T/4,638' DRILL OUT DV TOOL

REPORT DATE : 2/22/00 MD : 6,410 TVD : 6,410 DAYS : 17 PROGRESS : 0 HRS : MW : VISC :DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :

DAILY DETAILS : 20' VOID UNDER DV TOOL, DRILL FLOAT COLLAR RUBBER, WASH TO 4,809', TIH T/5,308', TAG FLOAT COLLAR POOH, LD 53 JTS DRILL PIPE RU PATTERSON WIRELINE, RUN GR-CBL-CCL, CMT F/DV TOOL UP TO 3,600' 100' BELOW DV TOOL, NO CMT @ SHOE JT. SLIP AND CUT DRILLING LINE PERFORATE SQUEEZE HOLES @ 5,010'-5,011', 3 HOLES EST INJ RATE OF 2.1 BPM @ 550 PSI W/ RIG PUMP WAITING ON CMT RETAINER RU PATTERSON WIRELINE, MAKE UP CMT RETAINER & SETTING TOOL

REPORT DATE : 2/23/00 MD : 6,410 TVD : 6,410 DAYS : 18 PROGRESS : 0 HRS : MW : VISC :DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :

DAILY DETAILS : EST INJ RATE OF 1 BPM @ 850 PSI, NOT GOOD ENOUGH TO SQUEEZE PERFORATE 5,150-5,151', EST INJ RATE OF 1 1/2 BPM @ 950 PSI, NOT GOOD ENOUGH TO SQUEEZE PREP FOR TRIP, HOLD SAFETY MEETING STAGE IN HOLE - UNLOADING W/AIR TO 5,300' DRILL FLOAT EQUIPMENT, NO CMT IN SHOE JT. CIRC, WASH, & REAM F/5,350' T/6,170' CHANGE OUT ROTATING HEAD RUBBER ATTEMPT TO UNLOAD HOLE, NOT CIRC FULLY ADD 4th COMPRESSOR & 2nd BOOSTER, WELL UNLOADING GOOD CIRC, WASH & REAM F/6,170' T/6,292' PIPE STUCK WHILE STARTING TO REAM JT, WORK STUCK PIPE

REPORT DATE : 2/24/00 MD : 6,410 TVD : 6,410 DAYS : 19 PROGRESS : 0 HRS : MW : VISC :DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :

DAILY DETAILS : WORK STUCK PIPE FREE LAY DOWN 7 JTS DRILL PIPE WASH & REAM F/6,100' T/6,410' CIRCULATE HOLE CLEAN POOH, LD TRI-CONE BIT, NO DRAG AT ALL MAKE UP SURFACE TEST HAMMER, CHANGE ROTATING HEAD RUBBER TIH W/ HAMMER

REPORT DATE : 2/25/00 MD : 6,682 TVD : 6,682 DAYS : 20 PROGRESS : 272 HRS : 9.00 MW : VISC :DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :

DAILY DETAILS : TIH, TAG FILL @ 6,324' UNLOAD HOLE W/ 3 & 1, 80 BBLS WATER CIRC & WASH F/6,324' T/6,370', REAMING F/6,370' T/6,410', TIGHT HOLE & PRESSURING UP, WIPE CLEAN DRILLING F/6,410' T/6,464' W/ AIR MIST WORK PIPE THRU HOLE SIZE TRANSITION DRILLING F/6,464' T/6,682' W/ AIR MIST



DAILY OPERATIONS REPORT

02/26/00

OPERATED

DRILLING

WELL NAME : VPR A-42 WDW

OPERATOR : EL PASO DISTRICT :
 FIELD : VERMEJO PARK RANCH LOCATION :
 COUNTY & STATE : COLFAX , NM CONTRACTOR : AZTEC WELL SERVICING
 WI% : AFE# : 00-11-891 API# : 30-007-20143 PLAN DEPTH : 7,200 SPUD DATE : 2/5/00
 DHC : CWC : AFE TOTAL : FORMATION : ENTRADA

REPORT DATE : 2/26/00 MD : 6,970 TVD : 6,970 DAYS : 21 PROGRESS : 474 HRS : 12.75 MW : VISC :
 DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :

DAILY DETAILS : DRILLING F/6,683' T/6,715' W/ AIR MIST ROUTINE RIG SERVICE DRILLING F/6,715' T/6,970' W/
 AIR MIST, BIT QUIT DRILLING CIRCULATE POOH, TIGHT SPOT @ 6,904' CHANGE OUT BITS,
 SURFACE TEST HAMMER COULD NOT GET NEW 6 3/4" HAMMER BIT THRU WELLHEAD MAKE
 UP A DIFFERENT 6 3/4" HAMMER BIT, COULD NOT GET THRU WELLHEAD. MAKE UP 6 1/2"
 HAMMER BIT TIH

REPORT DATE : 2/27/00 MD : 7,300 TVD : 7,300 DAYS : 22 PROGRESS : 330 HRS : 16.25 MW : VISC :
 DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :

DAILY DETAILS : CIRCULATE & UNLOAD HOLE @ 6,458' INSTALL NEW ROTATING HEAD RUBBER WASH &
 REAM F/6,500' T/6,570', BRIDGED @ 6,830', FILL T/6,970' CIRCULATE HOLE & CLEAN OUT ON
 BOTTOM DRILLING F/6,970' T/6,997' W/AIR MIST ROUTINE RIG SERVICE DRILLING F/6,997'
 T/7,188' W/AIR MIST

REPORT DATE : 2/28/00 MD : 7,381 TVD : 7,381 DAYS : 23 PROGRESS : 81 HRS : 3.00 MW : VISC :
 DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :

DAILY DETAILS : DRILLING F/7,300' T/7,381' W/AIR MIST CIRCULATE HOLE CLEAN POOH, LEFT BIT & HAMMER
 IN HOLE, BROKE IN TOP SUB OF HAMMER REPIN DRAWWORKS BRAKES WAIT ON ORDERS &
 BIT TIH W/ 6 1/4" MILL TOOTH BIT TAGGED UP @ 6,435', WASH & REAM TO 6,464' CHANGE
 OUT ROTATING HEAD RUBBER WASH & REAM F/6,464' T/6,716', BAD TIGHT SPOT F/6,485'
 T/6,496', REAMED ON IT FOR 2 1/2 HRS BEFORE KNOCKING IT OUT

REPORT DATE : 2/29/00 MD : 7,381 TVD : 7,381 DAYS : 24 PROGRESS : 0 HRS : MW : VISC :
 DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :

DAILY DETAILS : WASH & REAM TO BOTTOM, BRIDGES @ 7,126' & 7,317' RUN SWEEEPS, CIRCULATE HOLE
 CLEAN LAY DOWN 12 JTS DRILL PIPE, STAND BACK 9 STDS DRILL PIPE CIRCULATE & RUN
 SWEEPS RIGHT ON TOP OF 6 3/4" HOLE WASH & REAM TO 6,770' TRIP IN HOLE W/ 5 STDS
 DRILL PIPE, STUCK DRILL PIPE @ 6,975' WORK STUCK PIPE

REPORT DATE : 3/1/00 MD : 7,381 TVD : 7,381 DAYS : 25 PROGRESS : 0 HRS : MW : VISC :
 DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :

DAILY DETAILS : WORK STUCK PIPE RU WIRELINE SPECIALTIES, SHOOT FLOAT OUT @ 632' BLEED OFF 800
 PSI OFF DRILL PIPE RUN IN HOLE & BACK OFF DRILL PIPE @ 4,685' CHAIN OUT OF HOLE TO
 FLOAT, REMOVE FLOAT, TIH & SCREW INTO FISH RUN FREEPOINT, FREE @ 6,167', STUCK @
 6,220' BACKOFF DRILL PIPE @ 6,199', WORK PIPE FREE POOH, STAND BACK 80 STDA & LD 37
 JTS 3 1/2" DRILL PIPE CLEAN OFF FLOOR, PREPARE TO PICK UP 2 7/8" TBG STINGER



DAILY OPERATIONS REPORT

03/02/00

OPERATED

DRILLING

WELL NAME : VPR A-42 WDW

OPERATOR : EL PASO

DISTRICT :

FIELD : VERMEJO PARK RANCH

LOCATION :

COUNTY & STATE : COLFAX

, NM

CONTRACTOR : AZTEC WELL SERVICING

WI% : AFE# : 00-11-891

API# : 30-007-20143

PLAN DEPTH : 7,200

SPUD DATE : 2/5/00

DHC :

CWC :

AFE TOTAL :

FORMATION : ENTRADA

REPORT DATE : 3/2/00 MD : 7,381 TVD : 7,381 DAYS : 26 PROGRESS : 0 HRS : MW : VISC :
DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :

DAILY DETAILS : WAIT ON 2 7/8" TBG UNLOAD & STRAP 32 JTS 2 7/8" TBG, PU SAME & TIH W/ 3 1/2" DRILL PIPE TO 6,075' (TAGGED @ 6,090') RU HALLIBURTON, SPOT 200 SK 17.5 PPG CMT PLUG, PULL 6 STDS DRILL PIPE SPOT 200 SK 17.5 PPG CMT PLUG, PULL 6 STDS DRILL PIPE SPOT 200 SK 17.5 PPG CMT PLUG, PULL 6 STDS DRILL PIPE SPOT 200 SK 17.5 PPG CMT PLUG POOH, LAY DOWN 2 7/8" TBG UNLOAD, STRAP, & CALIPER 5" DRILL COLLARS SLIP AND CUT DRILLING LINE PU 12 - 5" DRILL COLLARS & TIH, TAG CMT @ 4,168' UNLOAD HOLE W/ AIR MIST DRILL CMT F/ 4,168' T/ 4,154', CMT STILL GREEN POOH W/ 10 STDS DRILL PIPE CIRC HOLE W/ AIR MIST WHILE WOC

REPORT DATE : 3/3/00 MD : 5,418 TVD : 5,418 DAYS : 27 PROGRESS : 0 HRS : MW : VISC :
DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :

DAILY DETAILS : WAIT ON CEMENT TIH W/ 10 STDS PICK UP KELLY & BREAK CIRCULATION DRILL CMT F/ 4,254' T/ 4,476' CHANGE OUT ROTATING HEAD RUBBER DRILL CMT F/ 4,476' T/ 5,418'

REPORT DATE : 3/4/00 MD : 5,784 TVD : 5,784 DAYS : 28 PROGRESS : 138 HRS : 2.00 MW : VISC :
DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :

DAILY DETAILS : DRILL CEMENT F/ 5,427' T/ 5,636', STARTED DRILLING FORMATION @ 5,606' CIRCULATE HOLE CLEAN LAY DOWN 41 JTS 3 1/2" DRILL PIPE, POOH PU BIT, MOTOR, UBHO, & MONEL DRILL COLLAR & TIH TO 5,350' SURVEY @ 5,350', 1 DEGREES TIH, TAG @ 5,646', BLOW HOLE TO MIST SURVEY @ 5,585', 6 DEGREES, BLOW TO MIST DRILL F/ 5,646' T/ 5,689', WIRELINE SURVEY @ 5,648', 5.75 DEGREES DRILL F/ 5,689' T/ 5,721', WIRELINE SURVEY @ 5,677', 6.25 DEGREES DRILL F/ 5,721' T/ 5,752', WIRELINE SURVEY @ 5,708', NO PICTURE DRILL F/ 5,752' T/ 5,784', WIRELINE SURVEY @ 5,740', TOOK THREE SURVEYS BEFORE WE GOT A PICTURE, 7.5 DEGREES CIRCULATE HOLE CLEAN

REPORT DATE : 3/5/00 MD : 6,399 TVD : 6,399 DAYS : 29 PROGRESS : 615 HRS : 14.50 MW : VISC :
DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :

DAILY DETAILS : POOH, LD DIRECTIONAL TOOLS ROUTINE RIG SERVICE WAIT ON HAMMER MAKE UP & SURFACE TEST HAMMER, TIH BREAK CIRCULATION & ATTEMPT TO DRY UP HOLE, WOULD NOT DRY UP BLOW WELL TO AIR MIST DRILLING F/ 5,784' T/ 6,399' W/ AIR MIST

REPORT DATE : 3/6/00 MD : 6,730 TVD : 6,730 DAYS : 30 PROGRESS : 341 HRS : 16.75 MW : VISC :
DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :

DAILY DETAILS : DRILL F/ 6,399' T/ 6,576' W/ AIR MIST ROUTINE RIG SERVICE DRILL F/ 6,576' T/ 6,730' W/ AIR MIST, BIT QUIT DRILLING CIRCULATE HOLE CLEAN POOH, HOLE WAS SLICK, HAD ON SPOT @ 6,390', PULLED RIGHT THRU IT CHANGE OUT BIT & HAMMER, SURFACE TEST HAMMER TIH TO BOTTOM OF CSG, INSTALL ROTATING HEAD RUBBER, TIH



DAILY OPERATIONS REPORT

03/07/00

OPERATEDDRILLINGWELL NAME : VPR A-42 WDWOPERATOR : EL PASO

DISTRICT :

FIELD : VERMEJO PARK RANCH

LOCATION :

COUNTY & STATE : COLFAX, NMCONTRACTOR : AZTEC WELL SERVICINGWI% : AFE# : 00-11-891API# : 30-007-20143PLAN DEPTH : 7,200SPUD DATE : 2/5/00DHC : CWC :

AFE TOTAL :

FORMATION : ENTRADAREPORT DATE : 3/7/00 MD : 6,730 TVD : 6,730 DAYS : 31 PROGRESS : 0 HRS : MW : VISC :DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :DAILY DETAILS : TIH, TAG @ 6,330' POOH TO SHOE, LAY DOWN 14 JTS DRILL PIPE, CLEAN OUT BLEWE LINE
TIH & BREAK CIRCULATION EVERY 5 STDS WASH & REAM F/6,140' T/6,390', HARD REAMING,
HAVING TO REAM SAME SECTIONS OVER & OVERREPORT DATE : 3/8/00 MD : 6,730 TVD : 6,730 DAYS : 32 PROGRESS : 0 HRS : MW : VISC :DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :DAILY DETAILS : CIRCULATE HOLE CLEAN PULL OUT OF HOLE LD HAMMER & HAMMER BIT, PU TRI-CONE BIT
TRIP IN HOLE TO SHOE UNLOAD HOLE @ SHOE TIH UNLOADING HOLE EVERY 5 STDS, TAG
@ 6,328' WASH & REAM F/6,328' T/6,390'REPORT DATE : 3/9/00 MD : 6,730 TVD : 6,730 DAYS : 33 PROGRESS : 0 HRS : MW : VISC :DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :DAILY DETAILS : WASH & REAM F/6,390' T/6,421' WORK STUCK PIPE FREE CIRCULATE HOLE WHILE WAITING
ON MUD TO BE DELIVEREDREPORT DATE : 3/10/00 MD : 6,454 TVD : 6,454 DAYS : 34 PROGRESS : 44 HRS : 6.00 MW : 8.6 VISC : 60DAILY : DC : CC : \$0 TC : \$ CUM : DC : CC : \$0 TC :DAILY DETAILS : CIRCULATE HOLE @ 6,360' WHILE MIXING MUD PULL OUT OF HOLE TO CASING SHOE PUMP
FIRST PIT VOLUME OF MUD TO LOAD HOLE MIX & BUILD LCM MUD VOLUME PUMP SECOND
PIT VOLUME OF MUD TO LOAD HOLE, BROKE CIRCULATION CIRCULATE WHILE BUILDING MUD
VOLUME, LOST 25 BBLS TRIP IN HOLE W/ 8 STDS BREAK CIRCULATION TRIP IN HOLE W/ 7
STDS BREAK CIRCULATION, CIRCULATE BOTTOMS UP WASH & REAM F/6,240' T/6,410' TAG
UP SOLID @ 6,410', APPEARENTLY DRILLING NEW HOLE F/6,410' T/6,454'REPORT DATE : 3/11/00 MD : 6,736 TVD : 6,736 DAYS : 35 PROGRESS : 22 HRS : 5.00 MW : 8.6 VISC : 60DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :DAILY DETAILS : TRACKED BACK INTO SIDETRACKED HOLE, WASH & REAM TO BOTTOM DRILLING @ 3'/HR
CIRCULATE BOTTOMS UP, STRAP OUT OF HOLE, 16' CORRECTION, BOTTOM @ 6,720'.
ROUTINE RIG SERVICE, WORK BLIND & PIPE RAMS, STRAP & CALIPER DRILL COLLARS TIH W/ 6
STDS DRILL COLLARS & PU 7 ADDITIONAL DRILL COLLARS TIH W/ 3 1/2" DRILL PIPE CLEAN
DRILLING TAR OFF OF DRILL LINE OUT OF BLOCK SHIVS FINISH TIH, WASH & REAM 120' TO
BOTTOM, NO FILL DRILLING F/6,720' T/6,736'REPORT DATE : 3/12/00 MD : 6,840 TVD : 6,840 DAYS : 36 PROGRESS : 104 HRS : 23.50 MW : 8.7 VISC : 60DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :

DAILY DETAILS : DRILLING F/6,736' T/6,787' CLEAN OUT RADIATOR ON GENERATOR DRILLING F/6,787' T/6,840'



DAILY OPERATIONS REPORT

03/13/00

OPERATED

DRILLING

WELL NAME : VPR A-42 WDW

OPERATOR : EL PASO DISTRICT :
 FIELD : VERMEJO PARK RANCH LOCATION :
 COUNTY & STATE : COLFAX, NM CONTRACTOR : AZTEC WELL SERVICING
 WI% : AFE# : 00-11-891 API# : 30-007-20143 PLAN DEPTH : 7,200 SPUD DATE : 2/5/00
 DHC : CWC : AFE TOTAL : FORMATION : ENTRADA

REPORT DATE : 3/13/00 MD : 6,872 TVD : 6,872 DAYS : 37 PROGRESS : 32 HRS : 14.00 MW : 8.7 VISC : 60
 DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :
 DAILY DETAILS : POOH, NO TIGHT SPOTS SLIP AND CUT DRILLING LINE TIH W/BIT TO CASING SHOE BREAK CIRCULATION @ 5,293' FINISH TIH, WASH 15' FILL TO BOTTOM DRILLING F/6,840' T/6,872'

REPORT DATE : 3/14/00 MD : 6,901 TVD : 6,901 DAYS : 38 PROGRESS : 29 HRS : 8.25 MW : 8.8 VISC : 62
 DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :
 DAILY DETAILS : DRILLING F/6,872' T/6,876 ROUTINE RIG SERVICE DRILLING F/6,876' T/6,901' LOST CIRCULATION & STUCK DRILL PIPE, WORK FREE (LOST 100-125 BBLs) LAY DOWN 3 JTS, PULL UP TO CASING SHOE CLEAN PITS & BUILD MUD VOLUME WHILE CIRCULATING PULL OUT OF HOLE MAKE UP NEW BIT & TIH TO CASING SHOE LD 12 JTS DRILL PIPE & BREAK CIRCULATION TIH, BREAK CIRCULATION EVERY 10 STDs

REPORT DATE : 3/15/00 MD : 6,901 TVD : 6,901 DAYS : 39 PROGRESS : 0 HRS : MW : 8.5 VISC : 68
 DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :
 DAILY DETAILS : WASH & REAM TO BOTTOM, LOST CIRCULATION PULL UP TO CASING SHOE, MIX MUD & LCM PUMP 65 BBLs LCM PILL, JETS PLUGGED PULL OUT OF HOLE, WET STRING, LOAD HOLE W/ REMAINING MUD WASH OUT MUD TANKS, REBUILD MUD VOLUME W/ 30% LCM TRIP IN HOLE TO CASING SHOE PUMP 25 BBLs & BROKE CIRCULATION, CIRCULATE BOTTOMS UP, NO MORE LOSSES TRIP IN HOLE BREAKING CIRCULATION EVERY 10 STDs, NO LOSSES.

REPORT DATE : 3/16/00 MD : 6,910 TVD : 6,910 DAYS : 40 PROGRESS : 9 HRS : 1.00 MW : 8.5 VISC : 57
 DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :
 DAILY DETAILS : WASH & REAM TO BOTTOM, 15' OF FILL DRILLING W/PARTIAL RETURNS TO NO RETURNS PULL UP TO CASING SHOE BUILD MUD VOLUME, CIRCULATE & CONDITION MUD POOH TO RUN LOGS WAITING ON LOGGING TRUCK RU REEVES WIRELINE, RUN DENSITY/INDUCTION/GAMMA RAY/CALIPER LOG FROM LOGGERS TD OF 6,888' TO 7' 5/8" CSG SHOE @ 5,349', RD REEVES. TIH TO SHOE, BREAK CIRCULATION TIH BREAKING CIRCULATION EVERY 10 STDs

REPORT DATE : 3/17/00 MD : 6,910 TVD : 6,910 DAYS : 41 PROGRESS : 0 HRS : MW : 8.6 VISC : 56
 DAILY : DC : CC : \$0 TC : CUM : DC : CC : \$0 TC :
 DAILY DETAILS : CIRCULATE & CONDITION MUD TO RUN LINER POOH W/12 STDs, LAY DOWN REST OF DRILL PIPE & DRILL COLLARS RU SAN JUAN CSG CREW, RUN 54 JTS 4 1/2" CASING LINER KELLY UP & BREAK CIRCULATION, RD SAN JUAN TIH W/DRILL PIPE BREAKING CIRCULATION EVERY 12 STDs. CIRCULATE AND CONDITION MUD PRIOR TO CEMENTING CEMENT 4 1/2" LINER W/ 300 SKS SILICALITE MIXED @ 12.2 PPG, DISPLACE @ 2 BPM, BUMPED PLUG @ 1:40 AM, CIRCULATION DURING ENTIRE JOB, HAD 500 PSI DISPLACEMENT PRESSURE. PULL OUT OF HOLE W/15 STDs DRILL PIPE REVERSE OUT W/50 BBLs, NO CEMENT IN RETURNS LAY DOWN 3 1/2" DRILL PIPE



DAILY OPERATIONS REPORT

03/18/00

OPERATEDDRILLINGWELL NAME : VPR A-42 WDWOPERATOR : EL PASO

DISTRICT :

FIELD : VERMEJO PARK RANCH

LOCATION :

COUNTY & STATE : COLFAX

, NM

CONTRACTOR : AZTEC WELL SERVICINGWI% : AFE# : 00-11-891API# : 30-007-20143PLAN DEPTH : 7,200SPUD DATE : 2/5/00

DHC : CWC :

AFE TOTAL :

FORMATION : ENTRADAREPORT DATE : 3/18/00MD : 6,910TVD : 6,910DAYS : 42PROGRESS : 0

HRS :

MW : 8.7VISC : 58

DAILY : DC : _____

CC : \$0

TC : _____

CUM : DC :

CC : \$0

TC :

DAILY DETAILS : LAY DOWN 3 1/2" DRILL PIPE NIPPLE DOWN BOP, RIG RELEASED @ 12 NOON RIG DOWN
 AZTEC RIG #124