

**WALSH**

ENGINEERING &amp; PRODUCTION CORP.

Petroleum Engineering Consulting  
Lease Management  
Contract Pumping7415 East Main  
Farmington, New Mexico 87402  
(505) 327-4892

July 26, 1999

Ms. Lori Wrotenbery  
New Mexico Oil Conservation Division  
2040 South Pacheco  
Santa Fe, NM 87505

Re: Application for Surface Commingling  
Richardson Operating Company  
WF Federal 34-1  
Aztec #4-35  
Section 34 and 35, T30N, R14W  
San Juan County, New Mexico  
Harper Hill Fruitland Sand - Pictured Cliffs

Dear Ms. Wrotenbery,

This is a request on behalf of Richardson Operating Company for approval to surface commingle the gas production from the above mentioned wells.

**1. Proposed System** The wells are commingled upstream of a CPD meter so that they can reduce measurement costs. The WF Federal 34-1 well will have an allocation meter on location. The Aztec #4-35 production is the difference between the CPD meter and the allocation meter. The gas flows into El Paso Natural Gas' gathering system and they maintain the CPD meter. Neither well produces liquid hydrocarbons.

**2. Location Map** Exhibit 1 is a topo map showing the location of the two wells.

**3. Wells, Locations, and Lease Numbers** Exhibit 2 is an acreage dedication plat. Both wells are located on Federal lease NM 0206995. The SW quarter of Section 35, T30N, R15W has been dedicated to the Aztec #4-35, and the SE/4 of Section 34, T30N, R15W, has been dedicated to the WF Federal 34-1. Exhibit 3 is a list of the royalty, overriding royalty, and working interests in both wells.

**4. Schematic Diagram** Exhibit 4 is a schematic diagram of the facilities.

**5. Fuel Gas** Each well has a separator that uses approximately 0.5 MCFD of fuel gas. They will share a compressor that will use approximately 20 MCFD of fuel gas.



6. **Mechanical Integrity** The flow line from the WF Federal 34-1 to the Aztec #4-35 is 4", 7.24 #/ft. X-42 Grade B coated steel line pipe with a 0.156" wall thickness and a 1,750# burst rating. This line and all of the connections will be hydro-tested to 1000 psig. The MAOP of El Paso's gathering system is 500 psig.

7. **Production - Gravity/BTU** The Aztec #4-35 was fractured in late January 1999. The monthly production since then is attached as Exhibit 5. The WF Federal 34-1 has not been first delivered so no data is available.

8. **Allocation Formula** The WF Federal 34-1 well has an allocation meter. The production assigned to this well will be the integrated volume from the allocation meter, plus separator fuel gas, and one-half the compressor fuel. The volume of gas allocated to the Aztec #4-35 will be the total integrated volume from the CPD meter, minus the volume from the allocation meter on the WF Federal 34-1, plus separator fuel gas and one-half the compressor fuel.

9. **Line Purging** We do not anticipate purging the system very often, but if it is purged, the lost gas will be allocated equally to each of the two wells.

10. **Purged Fluids** Any fluids purged will be natural gas, and condensed water vapor.

11. **Meter Calibration Schedule** The allocation and CPD meters will be calibrated once each quarter. El Paso Field Services will maintain the CPD and Richardson will maintain the allocation meter.

12. **Gas Analysis Schedule** El Paso Field Service will analyze the gas from the commingled stream twice a year.

13. **Effective Date** The system will be placed in service as soon as this application is approved.

Sincerely,

Paul C. Thompson, P.E.

RICHARDSON OPERATING CO.  
WF FEDERAL # 34-1  
Sec. 34 & 35, T30N, R14W  
SAN JUAN COUNTY, NM



# EXHIBIT 2

42-381 50 SHEETS EYE-EASE® 8 SQUARE  
 42-382 100 SHEETS EYE-EASE® 8 SQUARE  
 42-383 200 SHEETS EYE-EASE® 8 SQUARE  
 42-384 400 SHEETS EYE-EASE® 8 SQUARE  
 42-385 800 SHEETS EYE-EASE® 8 SQUARE  
 42-386 1600 SHEETS EYE-EASE® 8 SQUARE  
 42-387 3200 SHEETS EYE-EASE® 8 SQUARE  
 42-388 6400 SHEETS EYE-EASE® 8 SQUARE  
 42-389 12800 SHEETS EYE-EASE® 8 SQUARE  
 42-390 25600 SHEETS EYE-EASE® 8 SQUARE  
 42-391 51200 SHEETS EYE-EASE® 8 SQUARE  
 42-392 102400 SHEETS EYE-EASE® 8 SQUARE  
 42-393 204800 SHEETS EYE-EASE® 8 SQUARE  
 42-394 409600 SHEETS EYE-EASE® 8 SQUARE  
 42-395 819200 SHEETS EYE-EASE® 8 SQUARE  
 42-396 1638400 SHEETS EYE-EASE® 8 SQUARE  
 42-397 3276800 SHEETS EYE-EASE® 8 SQUARE  
 42-398 6553600 SHEETS EYE-EASE® 8 SQUARE  
 42-399 13107200 SHEETS EYE-EASE® 8 SQUARE  
 42-400 26214400 SHEETS EYE-EASE® 8 SQUARE  
 42-401 52428800 SHEETS EYE-EASE® 8 SQUARE  
 42-402 104857600 SHEETS EYE-EASE® 8 SQUARE  
 42-403 209715200 SHEETS EYE-EASE® 8 SQUARE  
 42-404 419430400 SHEETS EYE-EASE® 8 SQUARE  
 42-405 838860800 SHEETS EYE-EASE® 8 SQUARE  
 42-406 1677721600 SHEETS EYE-EASE® 8 SQUARE  
 42-407 3355443200 SHEETS EYE-EASE® 8 SQUARE  
 42-408 6710886400 SHEETS EYE-EASE® 8 SQUARE  
 42-409 13421772800 SHEETS EYE-EASE® 8 SQUARE  
 42-410 26843545600 SHEETS EYE-EASE® 8 SQUARE  
 42-411 53687091200 SHEETS EYE-EASE® 8 SQUARE  
 42-412 107374182400 SHEETS EYE-EASE® 8 SQUARE  
 42-413 214748364800 SHEETS EYE-EASE® 8 SQUARE  
 42-414 429496729600 SHEETS EYE-EASE® 8 SQUARE  
 42-415 858993459200 SHEETS EYE-EASE® 8 SQUARE  
 42-416 1717986918400 SHEETS EYE-EASE® 8 SQUARE  
 42-417 3435973836800 SHEETS EYE-EASE® 8 SQUARE  
 42-418 6871947673600 SHEETS EYE-EASE® 8 SQUARE  
 42-419 13743895347200 SHEETS EYE-EASE® 8 SQUARE  
 42-420 27487790694400 SHEETS EYE-EASE® 8 SQUARE  
 42-421 54975581388800 SHEETS EYE-EASE® 8 SQUARE  
 42-422 109951162777600 SHEETS EYE-EASE® 8 SQUARE  
 42-423 219902325555200 SHEETS EYE-EASE® 8 SQUARE  
 42-424 439804651110400 SHEETS EYE-EASE® 8 SQUARE  
 42-425 879609302220800 SHEETS EYE-EASE® 8 SQUARE  
 42-426 1759218604441600 SHEETS EYE-EASE® 8 SQUARE  
 42-427 3518437208883200 SHEETS EYE-EASE® 8 SQUARE  
 42-428 7036874417766400 SHEETS EYE-EASE® 8 SQUARE  
 42-429 14073748835532800 SHEETS EYE-EASE® 8 SQUARE  
 42-430 28147497671065600 SHEETS EYE-EASE® 8 SQUARE  
 42-431 56294995342131200 SHEETS EYE-EASE® 8 SQUARE  
 42-432 112589990684262400 SHEETS EYE-EASE® 8 SQUARE  
 42-433 225179981368524800 SHEETS EYE-EASE® 8 SQUARE  
 42-434 450359962737049600 SHEETS EYE-EASE® 8 SQUARE  
 42-435 900719925474099200 SHEETS EYE-EASE® 8 SQUARE  
 42-436 1801439850948198400 SHEETS EYE-EASE® 8 SQUARE  
 42-437 3602879701896396800 SHEETS EYE-EASE® 8 SQUARE  
 42-438 7205759403792793600 SHEETS EYE-EASE® 8 SQUARE  
 42-439 14411518807585587200 SHEETS EYE-EASE® 8 SQUARE  
 42-440 28823037615171174400 SHEETS EYE-EASE® 8 SQUARE  
 42-441 57646075230342348800 SHEETS EYE-EASE® 8 SQUARE  
 42-442 115292150460684697600 SHEETS EYE-EASE® 8 SQUARE  
 42-443 230584300921369395200 SHEETS EYE-EASE® 8 SQUARE  
 42-444 461168601842738790400 SHEETS EYE-EASE® 8 SQUARE  
 42-445 922337203685477580800 SHEETS EYE-EASE® 8 SQUARE  
 42-446 1844674407370955161600 SHEETS EYE-EASE® 8 SQUARE  
 42-447 3689348814741910323200 SHEETS EYE-EASE® 8 SQUARE  
 42-448 7378697629483820646400 SHEETS EYE-EASE® 8 SQUARE  
 42-449 14757395258967641292800 SHEETS EYE-EASE® 8 SQUARE  
 42-450 29514790517935282585600 SHEETS EYE-EASE® 8 SQUARE  
 42-451 59029581035870565171200 SHEETS EYE-EASE® 8 SQUARE  
 42-452 118059162071741130342400 SHEETS EYE-EASE® 8 SQUARE  
 42-453 236118324143482260684800 SHEETS EYE-EASE® 8 SQUARE  
 42-454 472236648286964521369600 SHEETS EYE-EASE® 8 SQUARE  
 42-455 944473296573929042739200 SHEETS EYE-EASE® 8 SQUARE  
 42-456 1888946593147858085478400 SHEETS EYE-EASE® 8 SQUARE  
 42-457 3777893186295716170956800 SHEETS EYE-EASE® 8 SQUARE  
 42-458 7555786372591432341913600 SHEETS EYE-EASE® 8 SQUARE  
 42-459 15111572745182864683827200 SHEETS EYE-EASE® 8 SQUARE  
 42-460 30223145490365729367654400 SHEETS EYE-EASE® 8 SQUARE  
 42-461 60446290980731458735308800 SHEETS EYE-EASE® 8 SQUARE  
 42-462 120892581961462917470617600 SHEETS EYE-EASE® 8 SQUARE  
 42-463 241785163922925834941235200 SHEETS EYE-EASE® 8 SQUARE  
 42-464 483570327845851669882470400 SHEETS EYE-EASE® 8 SQUARE  
 42-465 967140655691703339764940800 SHEETS EYE-EASE® 8 SQUARE  
 42-466 1934281311383406679529881600 SHEETS EYE-EASE® 8 SQUARE  
 42-467 3868562622766813359059763200 SHEETS EYE-EASE® 8 SQUARE  
 42-468 7737125245533626718119526400 SHEETS EYE-EASE® 8 SQUARE  
 42-469 15474250491067253436239052800 SHEETS EYE-EASE® 8 SQUARE  
 42-470 30948500982134506872478105600 SHEETS EYE-EASE® 8 SQUARE  
 42-471 61897001964269013744956211200 SHEETS EYE-EASE® 8 SQUARE  
 42-472 123794003928538027489912422400 SHEETS EYE-EASE® 8 SQUARE  
 42-473 247588007857076054979824844800 SHEETS EYE-EASE® 8 SQUARE  
 42-474 495176015714152109959649689600 SHEETS EYE-EASE® 8 SQUARE  
 42-475 990352031428304219919299379200 SHEETS EYE-EASE® 8 SQUARE  
 42-476 1980704062856608439838598758400 SHEETS EYE-EASE® 8 SQUARE  
 42-477 3961408125713216879677197516800 SHEETS EYE-EASE® 8 SQUARE  
 42-478 7922816251426433759354395033600 SHEETS EYE-EASE® 8 SQUARE  
 42-479 15845632502852867518708790067200 SHEETS EYE-EASE® 8 SQUARE  
 42-480 31691265005705735037417580134400 SHEETS EYE-EASE® 8 SQUARE  
 42-481 63382530011411470074835160268800 SHEETS EYE-EASE® 8 SQUARE  
 42-482 126765060022822940149670320537600 SHEETS EYE-EASE® 8 SQUARE  
 42-483 253530120045645880299340641075200 SHEETS EYE-EASE® 8 SQUARE  
 42-484 507060240091291760598681282150400 SHEETS EYE-EASE® 8 SQUARE  
 42-485 1014120480182583521197362564300800 SHEETS EYE-EASE® 8 SQUARE  
 42-486 2028240960365167042394725128601600 SHEETS EYE-EASE® 8 SQUARE  
 42-487 4056481920730334084789450257203200 SHEETS EYE-EASE® 8 SQUARE  
 42-488 8112963841460668169578900514406400 SHEETS EYE-EASE® 8 SQUARE  
 42-489 16225927682921336339157801028812800 SHEETS EYE-EASE® 8 SQUARE  
 42-490 32451855365842672678315602057625600 SHEETS EYE-EASE® 8 SQUARE  
 42-491 64903710731685345356631204115251200 SHEETS EYE-EASE® 8 SQUARE  
 42-492 129807421463370690713262408230502400 SHEETS EYE-EASE® 8 SQUARE  
 42-493 259614842926741381426524816461004800 SHEETS EYE-EASE® 8 SQUARE  
 42-494 519229685853482762853049632922009600 SHEETS EYE-EASE® 8 SQUARE  
 42-495 1038459371706965525706099265844019200 SHEETS EYE-EASE® 8 SQUARE  
 42-496 2076918743413931051412198531688038400 SHEETS EYE-EASE® 8 SQUARE  
 42-497 4153837486827862102824397063376076800 SHEETS EYE-EASE® 8 SQUARE  
 42-498 8307674973655724205648794126752153600 SHEETS EYE-EASE® 8 SQUARE  
 42-499 16615349947311448411297588253504307200 SHEETS EYE-EASE® 8 SQUARE  
 42-500 33230699894622896822595176507008614400 SHEETS EYE-EASE® 8 SQUARE  
 42-501 66461399789245793645190353014017228800 SHEETS EYE-EASE® 8 SQUARE  
 42-502 132922799578491587290380706028034457600 SHEETS EYE-EASE® 8 SQUARE  
 42-503 265845599156983174580761412056068915200 SHEETS EYE-EASE® 8 SQUARE  
 42-504 531691198313966349161522824112137830400 SHEETS EYE-EASE® 8 SQUARE  
 42-505 1063382396627932698323045648224275660800 SHEETS EYE-EASE® 8 SQUARE  
 42-506 2126764793255865396646091296448551321600 SHEETS EYE-EASE® 8 SQUARE  
 42-507 4253529586511730793292182592897102643200 SHEETS EYE-EASE® 8 SQUARE  
 42-508 8507059173023461586584365185794205286400 SHEETS EYE-EASE® 8 SQUARE  
 42-509 17014118346046923173168730371588410572800 SHEETS EYE-EASE® 8 SQUARE  
 42-510 34028236692093846346337460743176821145600 SHEETS EYE-EASE® 8 SQUARE  
 42-511 68056473384187692692674921486353642291200 SHEETS EYE-EASE® 8 SQUARE  
 42-512 136112946768375385385349842972707284582400 SHEETS EYE-EASE® 8 SQUARE  
 42-513 272225893536750770770699685945414569164800 SHEETS EYE-EASE® 8 SQUARE  
 42-514 544451787073501541541399371890829138329600 SHEETS EYE-EASE® 8 SQUARE  
 42-515 1088903574147003083082798743781658276659200 SHEETS EYE-EASE® 8 SQUARE  
 42-516 2177807148294006166165597487563316553318400 SHEETS EYE-EASE® 8 SQUARE  
 42-517 4355614296588012332331194975126633106636800 SHEETS EYE-EASE® 8 SQUARE  
 42-518 8711228593176024664662389950253266213273600 SHEETS EYE-EASE® 8 SQUARE  
 42-519 17422457186352049329324779900506532426547200 SHEETS EYE-EASE® 8 SQUARE  
 42-520 34844914372704098658649559801013064853094400 SHEETS EYE-EASE® 8 SQUARE  
 42-521 69689828745408197317299119602026129706188800 SHEETS EYE-EASE® 8 SQUARE  
 42-522 139379657490816394634598239204052259412377600 SHEETS EYE-EASE® 8 SQUARE  
 42-523 278759314981632789269196478408104518824755200 SHEETS EYE-EASE® 8 SQUARE  
 42-524 557518629963265578538392956816209037649510400 SHEETS EYE-EASE® 8 SQUARE  
 42-525 1115037259926531157076785913632418075299020800 SHEETS EYE-EASE® 8 SQUARE  
 42-526 2230074519853062314153571827264836150598041600 SHEETS EYE-EASE® 8 SQUARE  
 42-527 4460149039706124628307143654529672301196083200 SHEETS EYE-EASE® 8 SQUARE  
 42-528 8920298079412249256614287309059344602392166400 SHEETS EYE-EASE® 8 SQUARE  
 42-529 17840596158824498513228574618118689204784332800 SHEETS EYE-EASE® 8 SQUARE  
 42-530 35681192317648997026457149236237378409568665600 SHEETS EYE-EASE® 8 SQUARE  
 42-531 71362384635297994052914298472474756819137331200 SHEETS EYE-EASE® 8 SQUARE  
 42-532 142724769270595988105828596944949513638274662400 SHEETS EYE-EASE® 8 SQUARE  
 42-533 285449538541191976211657193889899027276549324800 SHEETS EYE-EASE® 8 SQUARE  
 42-534 570899077082383952423314387779798054553098649600 SHEETS EYE-EASE® 8 SQUARE  
 42-535 1141798154164767904846628775559596109106197299200 SHEETS EYE-EASE® 8 SQUARE  
 42-536 2283596308329535809693257551119192218212394598400 SHEETS EYE-EASE® 8 SQUARE  
 42-537 4567192616659071619386515102238384436424789196800 SHEETS EYE-EASE® 8 SQUARE  
 42-538 9134385233318143238773030204476768872849578393600 SHEETS EYE-EASE® 8 SQUARE  
 42-539 18268770466636286477546060408953537745699156787200 SHEETS EYE-EASE® 8 SQUARE  
 42-540 36537540933272572955092120817907075491398313574400 SHEETS EYE-EASE® 8 SQUARE  
 42-541 73075081866545145910184241635814150982796627148800 SHEETS EYE-EASE® 8 SQUARE  
 42-542 146150163733090291820368483271628301965593254297600 SHEETS EYE-EASE® 8 SQUARE  
 42-543 292300327466180583640736966543256603931186508595200 SHEETS EYE-EASE® 8 SQUARE  
 42-544 584600654932361167281473933086513207862373017190400 SHEETS EYE-EASE® 8 SQUARE  
 42-545 1169201309864722334562947866173026415724746034380800 SHEETS EYE-EASE® 8 SQUARE  
 42-546 2338402619729444669125895732346052831449492068761600 SHEETS EYE-EASE® 8 SQUARE  
 42-547 4676805239458889338251791464692105662898984137523200 SHEETS EYE-EASE® 8 SQUARE  
 42-548 9353610478917778676503582929384211325797968275046400 SHEETS EYE-EASE® 8 SQUARE  
 42-549 18707220957835557353007165858768422651595936550092800 SHEETS EYE-EASE® 8 SQUARE  
 42-550 37414441915671114706014331717536845303191873100185600 SHEETS EYE-EASE® 8 SQUARE  
 42-551 74828883831342229412028663435073690606383746200371200 SHEETS EYE-EASE® 8 SQUARE  
 42-552 149657767662684458824057326870147381212767492400742400 SHEETS EYE-EASE® 8 SQUARE  
 42-553 299315535325368917648114653740294762425534984801484800 SHEETS EYE-EASE® 8 SQUARE  
 42-554 598631070650737835296229307480589524851069969602969600 SHEETS EYE-EASE® 8 SQUARE  
 42-555 1197262141301475670592458614961179049702139939205939200 SHEETS EYE-EASE® 8 SQUARE  
 42-556 2394524282602951341184917229922358099404279878411878400 SHEETS EYE-EASE® 8 SQUARE  
 42-557 4789048565205902682369834459844716198808559756823756800 SHEETS EYE-EASE® 8 SQUARE  
 42-558 9578097130411805364739668919689432397617119513647513600 SHEETS EYE-EASE® 8 SQUARE  
 42-559 19156194260823610729479337839378864795234239027295027200 SHEETS EYE-EASE® 8 SQUARE  
 42-560 38312388521647221458958675678757729590468478054590054400 SHEETS EYE-EASE® 8 SQUARE  
 42-561 76624777043294442917917351357515459180936956109180108800 SHEETS EYE-EASE® 8 SQUARE  
 42-562 153249554086588885835834702715030918361873912218360217600 SHEETS EYE-EASE® 8 SQUARE  
 42-563 306499108173177771671669405430061836723747824436720435200 SHEETS EYE-EASE® 8 SQUARE  
 42-564 612998216346355543343338810860123673447495648873440870400 SHEETS EYE-EASE® 8 SQUARE  
 42-565 1225996432692711086686677621720247346894991297746881740800 SHEETS EYE-EASE® 8 SQUARE  
 42-566 2451992865385422173373355243440494693789982595493763481600 SHEETS EYE-EASE® 8 SQUARE  
 42-567 4903985730770844346746710486880989387579965190987526963200 SHEETS EYE-EASE® 8 SQUARE  
 42-568 9807971461541688693493420973761978775159930381975053926400 SHEETS EYE-EASE® 8 SQUARE  
 42-569 19615942923083377386986841947523957550319860763950107852800 SHEETS EYE-EASE® 8 SQUARE  
 42-570 39231885846166754773973683895047915100639721527900215705600 SHEETS EYE-EASE® 8 SQUARE  
 42-571 78463771692333509547947367790095830201279443055800431411200 SHEETS EYE-EASE® 8 SQUARE  
 42-572 156927543384667019095894735580191660402558886111600862822400 SHEETS EYE-EASE® 8 SQUARE  
 42-573 313855086769334038191789471160383320805117772223201725644800 SHEETS EYE-EASE® 8 SQUARE  
 42-574 627710173538668076383578942320766641610235544446403451289600 SHEETS EYE-EASE® 8 SQUARE  
 42-575 1255420347077336152767157884641533283220471088892806902579200 SHEETS EYE-EASE® 8 SQUARE  
 42-576 2510840694154672305534315769283066566440942177785613805158400 SHEETS EYE-EASE® 8 SQUARE  
 42-577 5021681388309344611068631538566133132881884355571227610316800 SHEETS EYE-EASE® 8 SQUARE  
 42-578 10043362776618689222137263077132262657763768711142455220633600 SHEETS EYE-EASE® 8 SQUARE  
 42-579 20086725553237378444274526154264525315527537422284910441267200 SHEETS EYE-EASE® 8 SQUARE  
 42-580 40173451106474756888549052308529050631055074844569820882534400 SHEETS EYE-EASE® 8 SQUARE  
 42-581 80346902212949513777098104617058101262110149689139641765068800 SHEETS EYE-EASE® 8 SQUARE  
 42-582 160693804425899027554196209234116202524220299378279283530137600 SHEETS EYE-EASE® 8 SQUARE  
 42-583 321387608851798055108392418468232405048440598756558567060275200 SHEETS EYE-EASE® 8 SQUARE  
 42-584 642775217703596110216784836936464810096881197513117134120550400 SHEETS EYE-EASE® 8 SQUARE  
 42-585 1285550435407192220433569673872929620193762395026234268241100800 SHEETS EYE-EASE® 8 SQUARE  
 42-586 2571100870814384440867139347745859240387524790052468536482201600 SHEETS EYE-EASE® 8 SQUARE  
 42-587 5142201741628768881734278695491718480775049580104937072964403200 SHEETS EYE-EASE® 8 SQUARE  
 42-588 10284403483257537763468557390983436961550099160209874145928806400 SHEETS EYE-EASE® 8 SQUARE  
 42-589 20568806966515075526937114781966873923100198320419748291857612800 SHEETS EYE-EASE® 8 SQUARE  
 42-590 41137613933030151053874229563933747846200396640839496583715225600 SHEETS EYE-EASE® 8 SQUARE  
 42-591 82275227866060302107748459127867495692400793281678993167430451200 SHEETS EYE-EASE® 8 SQUARE  
 42-592 164550455732120604215496918255734991384801586563357986334860902400 SHEETS EYE-EASE® 8 SQUARE  
 42-593 329100911464241208430993836511469982769603173126715972669721804800 SHEETS EYE-EASE® 8 SQUARE  
 42-594 658201822928482416861987673022939965539206346253431945339443609600 SHEETS EYE-EASE® 8 SQUARE  
 42-595 1316403645856964833723975346045879931078412692506863890678887219200 SHEETS EYE-EASE® 8 SQUARE  
 42-596 2632807291713929667447950692091759862156825385013727781357774438400 SHEETS EYE-EASE® 8 SQUARE  
 42-597 5265614583427859334895901384183519724313650770027455562715548876800 SHEETS EYE-EASE® 8 SQUARE  
 42-

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

District II  
PO Drawer 00, 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 Dept

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

Form C-10  
Revised February 21, 1999  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number		Pool Code 86620	Pool Name TWIN MOUNDS FRUITLAND SAND PICTURED CLIFF
Property Code	Property Name WF FEDERAL		Well Number 34-1
GRID No. 019219	Operator Name RICHARDSON OPERATING COMPANY		Elevation 5488'

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	34	30N	14W		895	SOUTH	1595	EAST	SAN JUAN

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

<sup>12</sup> Dedicated Acres 172	<sup>13</sup> Joint or Infill N	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
--------------------------------------	------------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<sup>16</sup>	5280.00'	<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Paul C. Thompson Signature Paul C. Thompson Printed Name Agent Title 2/18/99 Date	
5504.40'	34	<sup>18</sup> SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.  FEBRUARY 12, 1999 Date of Survey Signature and Seal of Professional Surveyor  NEALE C. EDWARDS NEW MEXICO 6857 Certificate Number 6857	
LOT 4	LOT 3	LOT 2	LOT 1
	5280.00'	895'	1595'

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102  
Supersedes C-1  
Effective 1-4-81

All distances must be from the outer boundaries of the Section.

Operator <b>Ladd Petroleum</b>			Lease <b>Aztec</b>		Well No. <b>4-35</b>
Unit Letter <b>N</b>	Section <b>35</b>	Township <b>30 North</b>	Range <b>14 West</b>	County <b>San Juan</b>	
Actual Footage Location of Well:					
<b>1150</b>		feet from the	<b>South</b>	line and	<b>1450</b>
				feet from the	<b>West</b>
Ground Level Elev. <b>5525</b>	Producing Formation <b>Fruitland Pictured Cliffs</b>		Pool <b>Harper Hill</b>		Dedicated Acreage: <b>160</b> Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes    ☐ No    If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.): \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

Sec. 35			

1450' ———— (●) ————

1150'

<b>CERTIFICATION</b>	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Name <i>J. A. Risenho</i>	Agent
Position <b>Ladd Petroleum Corp.</b>	
Company <b>8-7-79</b>	
Date	
<div style="text-align: center;"> </div> <p>I hereby certify that the well location shown on this plat was located from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</p>	
Date Surveyed <b>August 6, 1979</b>	
Registered Professional Engineer and/or Land Surveyor	

EXHIBIT # 3

WF Federal #34-1 well  
 Pictured Cliffs  
 SE/4-Section 34-T30N-R14W  
 San Juan County, NM

NMNM-0206995

Working Interest: Richardson Production Company	Working Interest: 100%	Net Revenue: 72.5%
Royalty: USA, c/o MMS		12.5%
Overriding Royalty: Linda Orwitz Palley, Trustee Burlington Resources Oil & Gas Company		2.5% <u>12.5%</u> 100%

---

Aztec #4-35 well  
 Pictured Cliffs  
 SW4-Section 35T30N-R14W  
 San Juan County, NM

NMNM-0206995

Working Interest: Richardson Production Company	Working Interest: 100%	Net Revenue: 71.9336%
Royalty: USA, c/o MMS		12.5000%
Overriding Royalty: Linda Orwitz Palley, Trustee Burlington Resources Oil & Gas Company Ocean Energy Resources, Inc.		2.5000% 12.5000% <u>0.5664%</u> 100%

**WALSH**

ENGINEERING &amp; PRODUCTION CORP.

Petroleum Engineering Consulting  
Lease Management  
Contract Pumping7415 East Main  
Farmington, New Mexico 87402  
(505) 327-4892

July 27, 1999

Minerals Management Service  
P.O. Box 5810  
Denver, CO 80217

Re: Application for Surface Commingling  
Richardson Operating Company  
WF Federal 34-1  
Aztec #4-35  
Section 34 and 35, T30N, R14W  
San Juan County, New Mexico  
Harper Hill Fruitland Sand - Pictured Cliffs

Dear MMS,

Richardson Operating has requested approval from the NMOCD to surface commingle the gas production from the above mentioned wells. As an interest owner in these wells you are being notified of this application pursuant to NMOCD rules.

Richardson has installed an allocation meter on the WF Federal 34-1 well. The Aztec #4-35 production is the difference between the CPD meter and the allocation meter, with adjustments for separator and compressor fuel.

If you have no objection to this application, no action is required on your part. If you do object to the surface commingling application, please direct your comments to Ms. Lori Wrotenbery, New Mexico Oil Conservation Division, 2040 South Pacheco, Santa Fe, NM 87505, within 20 days of receipt of this notice. A copy of any correspondence you have with the NMOCD would be appreciated.

Please call me at (505) 327-4892, if you need any additional information.

Sincerely,

Paul C. Thompson, P.E.



**WALSH**

ENGINEERING &amp; PRODUCTION CORP.

Petroleum Engineering Consulting  
Lease Management  
Contract Pumping7415 East Main  
Farmington, New Mexico 87402  
(505) 327-4892

July 27, 1999

Burlington Resources Oil and Gas  
801 Cherry Street  
Houston, TX 76102

Re: Application for Surface Commingling  
Richardson Operating Company  
WF Federal 34-1  
Aztec #4-35  
Section 34 and 35, T30N, R14W  
San Juan County, New Mexico  
Harper Hill Fruitland Sand - Pictured Cliffs

Dear Burlington Resources,

Richardson Operating has requested approval from the NMOCD to surface commingle the gas production from the above mentioned wells. As an interest owner in these wells you are being notified of this application pursuant to NMOCD rules.

Richardson has installed an allocation meter on the WF Federal 34-1 well. The Aztec #4-35 production is the difference between the CPD meter and the allocation meter, with adjustments for separator and compressor fuel.

If you have no objection to this application, no action is required on your part. If you do object to the surface commingling application, please direct your comments to Ms. Lori Wrotenbery, New Mexico Oil Conservation Division, 2040 South Pacheco, Santa Fe, NM 87505, within 20 days of receipt of this notice. A copy of any correspondence you have with the NMOCD would be appreciated.

Please call me at (505) 327-4892, if you need any additional information.

Sincerely,

*Paul C. Thompson*  
Paul C. Thompson, P.E.

**WALSH**

ENGINEERING &amp; PRODUCTION CORP.

Petroleum Engineering Consulting  
Lease Management  
Contract Pumping7415 East Main  
Farmington, New Mexico 87402  
(505) 327-4892

July 27, 1999

Ms. Linda Orwitz Palley, Trustee  
Estate of Samuel D. Orwitz  
103 Providence Mine Rd. STE 204  
Nevada City, CA 95959

Re: Application for Surface Commingling  
Richardson Operating Company  
WF Federal 34-1  
Aztec #4-35  
Section 34 and 35, T30N, R14W  
San Juan County, New Mexico  
Harper Hill Fruitland Sand - Pictured Cliffs

Dear Ms. Palley,

Richardson Operating has requested approval from the NMOCD to surface commingle the gas production from the above mentioned wells. As an interest owner in these wells you are being notified of this application pursuant to NMOCD rules.

Richardson has installed an allocation meter on the WF Federal 34-1 well. The Aztec #4-35 production is the difference between the CPD meter and the allocation meter, with adjustments for separator and compressor fuel.

If you have no objection to this application, no action is required on your part. If you do object to the surface commingling application, please direct your comments to Ms. Lori Wrotenbery, New Mexico Oil Conservation Division, 2040 South Pacheco, Santa Fe, NM 87505, within 20 days of receipt of this notice. A copy of any correspondence you have with the NMOCD would be appreciated.

Please call me at (505) 327-4892, if you need any additional information.

Sincerely,

Paul C. Thompson, P.E.

**WALSH**

ENGINEERING &amp; PRODUCTION CORP.

Petroleum Engineering Consulting  
Lease Management  
Contract Pumping7415 East Main  
Farmington, New Mexico 87402  
(505) 327-4892

July 27, 1999

Ocean Energy Resources, Inc.  
P. O. Box 4600  
Houston, TX 77210

Re: Application for Surface Commingling  
Richardson Operating Company  
WF Federal 34-1  
Aztec #4-35  
Section 34 and 35, T30N, R14W  
San Juan County, New Mexico  
Harper Hill Fruitland Sand - Pictured Cliffs

Dear Land Manager,

Richardson Operating has requested approval from the NMOCD to surface commingle the gas production from the above mentioned wells. As an interest owner in these wells you are being notified of this application pursuant to NMOCD rules.

Richardson has installed an allocation meter on the WF Federal 34-1 well. The Aztec #4-35 production is the difference between the CPD meter and the allocation meter, with adjustments for separator and compressor fuel.

If you have no objection to this application, no action is required on your part. If you do object to the surface commingling application, please direct your comments to Ms. Lori Wrotenbery, New Mexico Oil Conservation Division, 2040 South Pacheco, Santa Fe, NM 87505, within 20 days of receipt of this notice. A copy of any correspondence you have with the NMOCD would be appreciated.

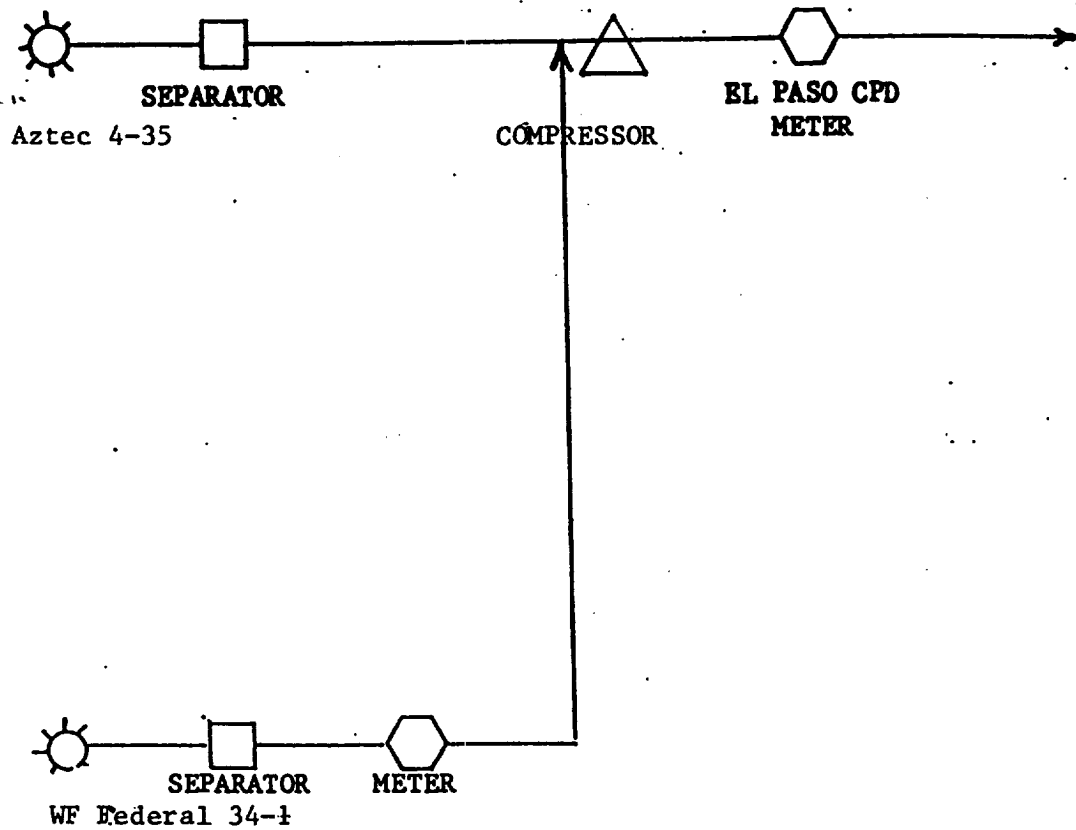
Please call me at (505) 327-4892, if you need any additional information.

Sincerely,

Paul C. Thompson, P.E.

**EXHIBIT #4**

**SURFACE COMINGLING**



## **Exhibit 5**

### **Aztec 4-35 Production**

<b>Febuary</b>	<b>5474</b>
<b>March</b>	<b>7293</b>
<b>April</b>	<b>12073</b>
<b>May</b>	<b>7317</b>
<b>June</b>	<b>14076</b>