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District Office

**COPY**

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Box DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

**OIL CONSERVATION DIVISION**

2040 Pacheco St.  
Santa Fe, NM 87505

WELL API NO. 30-045-09725
5. INDICATE TYPE OF LEASE STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. STATE OIL & GAS LEASE NO.

**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.)

7. LEASE NAME OR UNIT AGREEMENT NAME Faye Burdette
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1. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>
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8. WELL NO. #1
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2. NAME OF OPERATOR CONOCO INC.
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9. POOL NAME OR WILDCAT Basin Dakota
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3. ADDRESS OF OPERATOR 10 DESTA DR., SUITE 100W, MIDLAND, TX 79705-4500
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4. WELL LOCATION Unit Letter <u>G</u> : <u>1250'</u> Feet From The <u>NORTH</u> Line and <u>1450'</u> Feet From The <u>EAST</u> Line Section <u>9</u> Township <u>30N</u> Range <u>11W</u> NMPM <u>San Juan</u> County
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10. ELEVATION (Show whether DF, RKB, RT, GR, etc.) 5605' GL
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11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data
NOTICE OF INTENTION TO:
PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>
OTHER: <input type="checkbox"/>
SUBSEQUENT REPORT OF:
REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/>
COMMENCE DRILLING OPNS. <input type="checkbox"/> PLUG AND ABANDONMENT <input type="checkbox"/>
CASING TEST AND CEMENT JOBS <input type="checkbox"/>
OTHER: <u>Squeeze Report</u> <input checked="" type="checkbox"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.  See attached Summary.
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**RECEIVED**  
AUG 19 1999  
OIL CON.

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

SIGNATURE: <u>Verla Johnson</u>	TITLE: <u>AGENT FOR CONOCO INC.</u>	DATE: <u>8-16-99</u>
TYPE OR PRINT NAME: <u>VERLA JOHNSON</u>	TELEPHONE NO. <u>(970) 385-9100 EXT.20</u>	

(This space for State Use)

APPROVED BY: <u>ORIGINAL SIGNED BY CHARLIE T. PERRIN</u>	TITLE: <u>DEPUTY OIL &amp; GAS INSPECTOR, DIST. #3</u>	DATE: <u>AUG 19 1999</u>
CONDITIONS OF APPROVAL, IF ANY:		

CONOCO INC.  
**FAYE-BURDETTE #1**  
API #30-045-09725  
1520' FNL & 1450' FEL, UNIT LETTER "G"  
Sec. 9, T30N-R11W

6/28/99 Check well pressures. Csg 300 psi. Surface Casing 65 psi. RIH with Hallib RBP and Packer, with 2 3/8" tubing in singles. Tallied all tubing. Set RBP @ 6367'. Set packer @ 6337' and tested RBP to 1000 psi. - OK. Released packer and loaded hole with KCL, tested casing to 300 psi. - OK. **TEST WITNESSED BY Henry Villanueva with NMOCD.** POOH WITH 56 jts of 2 3/8" tubing.

6/29/99 Finish POOH with 2 3/8" tubing and Hallib Packer. RU BJ, ran CBL log from 2250' to 448' with 500 psi on casing. TOC @ 1538'. RD BJ. ERC on location, with Casing full of water and RBP set, changed out Tubing Head Assembly. Tested tubing head to 1250 psi. OK. Discussed CBL log with NMOCD.

6/30/99 Talked with Frank Chavez and Ernie Busch with NMOCD, decided to perf @ 1460'. RIH with 2 3/8" tbg and on/off tool for Hallib RBP. Released Hallib RBP @ 6367'. Pull Hallib RBP and set @ 1683' and set packer @ 1638'. Tested RBP to 1000 psi - OK. POOH with packer. RU BJ and shot 4 squeeze holes @ 1460'. **Perf witnessed by Henry Villanueva and Ernie Busch with NMOCD.** RD BJ. Pumped down 4 1/2" casing and circulated out 9 5/8" surface casing. Circulated out approx 100 bbls mud. Returns cleaned up. RIH with 2 3/8" tubing with Hallib packer. Set packer @ 1075'. RU BJ to cement. Pressure backside to 500 psi. Establish circulation down tubing and out the surface casing. Pumped 2 bbls dye pad. Cemented with 265 sks 35/65 Poz, mix with 6% gel with 2% Ca CL2 with 1/4#/sk Celloflake and 3#/sk Gilsonite, tailed in with 50 sks Class B with 2% Ca CL2. Pumped @ 2 bpm avg rate and 400 psi avg pressure. Max pressure 500 psi. Dye water to surface, no cement returns to surface. RD BJ.

7/1/99 Released packer @ 1075'. POOH with 2 3/8" tubing with Hallib Packer. RIH with 2 3/8" tubing with 3 7/8" bit. Tagged cement @ 1274'. Drilled out of cement @ 1460'. Tested squeeze to 500 psi. - OK. POOH with 2 3/8" tubing with bit. RU BJ. Ran CBL from 1572' to 50'. TOC @ Approx 180'. Ran log with 500 psi on casing. Open surface casing, no pressure. NMOCD will monitor surface casing 7/2/99 and 7/6/99. Will consult with NMOCD 7/6/99.

7/6/99 Surface casing pressure 66 psi, casing pressure 50 psi. Opened surface casing valve and blew down. Started flowing water , rate of approximately 1 gallon per hour. Talked to the state and they requested that we run a noise survey Tried to determine the source of the leak into the surface pipe. When we blew down the casing to run the noise survey the flow from the surface pipe stopped. RIH w/ PKR and set at 1518' and test down tbg. To test plug to 640 psi - leaked 160 psi in 15 Min. Tested down casing to 500 psi (ok).

7/7/99 Tbg pressure 25 psi, csg pressure 60 psi, surface csg Pressure, 116 psi. Release PKR and circulate hole w/ 10 bbl 1% KCL RIH w/ PKR and could not get below 1590'. Pull up hole to 1580 set PKR' and tested down tbg to 500 psi, pressure increased 50 psi in 10 min. Test down csg. to 500 psi and gained 90 psi in 15 min. Circulate hole and start out of hole w/ PKR and pull up to 700' and well. Started to come in, circulated hole w/ 1% KCL but could not kill. Well pressured up on casing to 750 psi and could not pump into Leak. Left 750 psi on casing for one hour and pressure increased to 950 psi. Bled pressure off and well died, POOH w/ PKR and RIH w/ bit and scraper to plug at 1683' and circulate sand off plug, POOH w/ bit and scraper, RIH w/ retrieving head on 44 joints of Tbg

7/8/99 Tubing pressure 0 psi, casing pressure 80 psi, surface casing pressure 110 psi. RIH w/retrieving head, circulate hole clean, latch onto RBP, Release and POOH. RIH w/4 1/2" packer and plug, set plug at 6341', set packer at 6306', test plug to 1000 psi (ok). Move packer up hole to 3160', circulate hole w/1% KCL, set Packer, test down tubing to 500 psi (ok), Test down casing to 500 Psi (ok), POOH w/packer and retrieving head, load hole w/1% KCL, Bleed pressure off surface pipe.

7/9/99 RU BJ and run audio log from 1640' up to 200" log, indicates gas and fluid movement at 872'. talked w/ engineers and NMOCD and agreed to shoot squeeze holes at 872'.

7/12/99 Csg. on vac, Surf csg. 112#. Finalized cmt. procedure and recommendation with Conoco engineering. OK. **Went over same with NMOCD (Charlie Perrine) and received approval on slurry.** RU BJ ret. plug @ 6341'. Bled off pressure on surf. pipe. POOH, RU lubricator and PU 3 1/8" perforating gun. RIH to 872' and shoot 3 sqz holes @ 120 degrees. POOH and RD w/l. TIH w/ 17 jts 2 3/8" tbg and Halliburton RTTS packer. Set packer @ 538'. MIRU BJ. Pressure test lines to 4000#. Set max pressure for cmt sqz. @ 900#. Pumped in 7 bbls of 1% KCL for inj test @ 1 bpm @ 850#. Load backside w/6 bbls (250#). Pumped in 150 sxs of Premium Lite Plus HS cmt (63 bbls) 12 ppg as lead in @ 1 bpm @ 750#. Tail in w/ 50 sxs of Rocky Mountain Cement (12 bbls) 14.5 ppg @ 1 bpm @ 680#. Displaced w/ 6.5 bbls fresh wtr @ 1 bpm @ 800#. Never through-out the job was circulation established to the surface. Did get some burps on the surface pipe at times during the pumping of the cement. Shut-in well w/430#on csg. Shut-in surf pipe. RD BJ. **Entire sqz. job was witnessed by Henry Villanueva w/ NMOCD.**

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7/13/99 Surface csg 116#. Unset packer, well went on a vacuum. TOOH w/Halliburton packer. TIH w/ 3 7/8" bit and tagged cmt @ 786'. PU swivel and start drilling cmt. Cleaned out to 930'. Circulate clean. **NMOCD on location to witness surf pipe pressure (Bruce Martin).**

7/14/99 Csg 0# Surface 40#. Unknown how much cement to clean out. Worst case is that sqz holes at 1460' were compromised and now have cement all the way to 1460'. These sqz holes have been previously tested to 1000#. PU swivel and start cleaning out from 930' while waiting on instructions. Cleaned out to . Pressure test csg to 560#. Held OK. Stop cleaning out and attempt to open sqz holes at 560' and sqz from there. Pass plan of action by NMOCD and were denied unless we reran audio log. TOOH w/ bit and RU Blue Jet. RIH w/ audio tool and log from 1020' to 150' (38 stations). POOH and RD w/l.

7/15/99 Csg 0#, Surface Csg 122# Received audio log info from BJ. **Received approval from NMOCD to shoot sqz holes @ 550'.** RU rig pump and test csg to 800# pump pressure + 375# hydrostatic = 1175#. Held ok. RU BJ, RIH w/ 3 1/8" perf gun to 550' shoot 3 holes @ 120 degrees. POOH RD w/l. TIH w/ 11 jts 2 3/8" tbg and Halliburton RTTS packer, set packer @ 347'. RU rig pump and attempt to pump into sqz holes. Established circulation to surface @ 1bpm @ 100#. Pumped 10 bbls of 1% KCL. RU BJ, pressure test lines to 2000#. Established rate & pressure @ 1bpm @ 165#. Pumped 5 bbls of fresh water and started in w/ lead cement (12.0 ppg Premium Lite HS). Pumped away 20 bbls @ 1.5 bpm @ 330#. Started w/ tail cement ( 14.5 ppg RMC ). Pumped 12 bbls @ 1.3 bpm @ 500#. Displaced w/ 3 bbls, washed pumps & lines. Shut-in bradenhead and added pressure to 300#. RD BJ. **Cement sqz witnessed by Ernie Busch & Bruce Martin w/ NMOCD.**

7/16/99 Csg 0#, Surface Csg 0#. Unseat packer, POOH w/ 2 3/8" tbg and Halliburton RTTS packer. PU 6- 3 1/8" drill collars & new cone bit. TIH w/ 2 3/8" tbg and tag cement @ 445'. PU power swivel and RU rig pump. Pressure test csg to 200# pump pressure. Held OK. Start drilling out cement. Dropped out of cement and into water @ 525', 25' shy of sqz holes. TOOH. TIH w/ 2 3/8" and Halliburton RTTS packer. Set packer @ 540'. RU rig pump and pressure test csg above the packer to 200#, held OK. Test under the packer, did not hold. Losing 90# in 1 minute. Attempt to pump into hole, could only get 1/3 bpm @ 200#. TOOH w/ tbg and packer Surface csg pressure **witnessed by Ernie Busch and Bruce Martin w/ NMOCD.**

7/19/99 Csg 0#, Surface pipe 0#. **Obtained approval on cement procedure from Charlie Perrine @ NMOCD.** TIH w/18 jts 2 3/8" tbg to 558'. RU BJ and pressure test lines to 1000#. Established rate & pressure @ .1bpm @ 600#. Pumped 2 bbls of water and started pumping cement (Class B w/ 2 % Ca Cl @ 15.6 ppg). Pumped away 3 bbls of cement, shut-down and washed pump and lines. Displaced w/ 1 1/4 bbl. POOH w/ tbg and shut-in BOP. Squeezed on plug to 600#. Shutdown and waited 20 mins., pressure down to 575#. Resume squeeze to 600#.

7/20/99 Csg pressure 290#, Surface pressure 0#. Bled off pressure. PU 6 - 3 1/8" drill collars & 3 7/8" bit, TIH and tag TOC @ 455'. PU swivel and start drilling on cement. Fell out of cement @ 564'. Stopped CO operations and **notified NMOCD for pressure test witness. Denny Foust showed up.** Proceed to pressure test casing to 350#. Pressure dropped off due to leak @ tree. Shut-in rams and repressure csg. Pressure was witnessed for 30 mins. Pressure drop noted by NMOCD as 310# to 298# in 30 mins. Test was accepted. Resumed CO operations, tagged cement @ 1010'. Drilled cement to 1140'. Circulated clean.

7/21/99 RU to continue drilling cement. Tagged cement @ 1140'. Drilled cement to 1330'. Circulated well clean.

7/22/99 Tagged cement @ 1330'. Drilled cement to 1710'. POOH with 3 7/8" bit, tbg and DC. Change bit, and repair power swivel. RIH with 3 7/8" bit, tbg and DC to 1700'.

7/23/99 Continue to drill cement. Drilled cement from 1700' to 2270'. Circulated well clean. Pull up with tubing and bit.

7/24/99 Continue to drill cement from 2270' to 2370'. Fell out of cement @ 2370'. Circulated clean. Continue to RIH to 3000' to check for stringers. POOH with 2 3/8" tubing with 6 DC and bit.

7/26/99 Performed hot work on rig. Tested casing to 500 psi, lost 120 psi in 30 minutes, and 180 psi in 60 minutes. Talked to Ernie Bush @ NMOCD. RIH with Hallib packer, tested Hallib RBP @ 6341' to 1000 psi. - OK. Testing for leaks. Casing is good from 3891' to 6341' tested to 500 psi. Casing is good from 3640' to surface tested to 500 psi. Tried to isolate leaks and packer seems to have slow leak.

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7/27/99 POOH with 2 3/8" tubing with Hallib packer. Change packer and RIH with 2 3/8" tubing with Hallib Packer. Isolated casing leaks from 3891' to 3702'. Slow leak can not pump into get rate. Loses approx 120 psi in 30 minutes. POOH with 2 3/8" tubing with Hallib packer. RIH with open ended 2 3/8" tubing to 3953'. Prepare to set balanced cement plug. **Notified Ernie Bush @ NMOCD about Cement squeeze, @ 11:30 am 7/27/99. Received verbal approval.** Rigged up BJ to cement. Pumped 37 sks of class B mixed @ 15.6 PPG. Spotted balanced plug from 3953' to 3450'. Pulled tubing to 2093'. Closed rams and pressured cement to 500 psi, would lose pressure slowly. Maintained 500 psi on squeeze. Left 500 psi on squeeze.

7/28/99 Check pressures on squeeze, 205 psi. POOH with 2 3/8" tubing. RIH with 3 7/8" bit, 6 - DC and 2 3/8" tubing. Tagged cement @ 3658', circulated and cleaned cement to 3690'. Cement still green. Circulated hole clean. Tested squeeze to 500 psi - OK.

7/29/99 Tagged cement @ 3690' drilled out of cement @ 3954'. Circulated clean and tested casing from surface to RBP @ 6341' to 515 psi. Lost 20 psi in 30 minutes. Ending pressure 495 psi. **Test witnessed and approved by Charlie Perrin With NMOCD.** POOH with bit, DC, and 2 3/8" tubing. RIH with packer and set @ 30' tested tubing head to 500 psi. Leaked 40 psi in 30 minutes.

7/30/99 Check pressure on surface casing, 11 - psi. Set packer @ 30' and set. Pressure test to 540 psi. wait 30 minutes lost 40 psi in 30 minutes, down to 500 psi. Release and pull packer out of hole. ERC on location, tested Csg hanger seal section to 900 psi. - OK. RIH with 2 3/8" tubing and Hallib. Retrieving head to 6341', circulated sand of RBP and released Hallib RBP @ 6341'. POOH with 2 3/8" tubing and Hallib RBP. RIH with Mule Shoe Collar, SN and 2 3/8" tubing. Tagged fill @ 6593', NO PERFS COVERED, bottom perf @ 6591'. Pull up and land tubing @ 6556' with KB added in with 207 jts of 2 3/8" tubing. NDBOP and NUWH.