

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL:		OIL WELL ☐	GAS WELL ☒	DRY ☐	Other ☐		
1b. TYPE OF COMPLETION:		NEW WELL ☐	WORK OVER ☐	DEEP-EX ☐	PLUG BACK ☐	DIFF. SERV. ☒	Other ☐
2. NAME OF OPERATOR LOUIS DREYFUS NATURAL GAS CORP.						7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. 14000 Quail Springs Parkway, Suite 600, Oklahoma City, OK 73134						8. FARM OR LEASE NAME, WELL NO. FEDERAL 29 Well 23	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1630' FSL & 1800' FWL (NE/4SW/4) At top prod. interval reported below At total depth						9. API WELL NO. 30-045-24768	
10. FIELD AND POOL, OR WILDCAT West Ritz Basin FRT. Coal						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. K 29-27N-11W	
12. COUNTY OR PARISH Tulsa						13. STATE NM	
14. PERMIT NO. 323-81						15. DATE SPUDDED 2/3/81 original 6/3/97 recomb.	
16. DATE T.D. REACHED 6/3/97						17. DATE COMPL. (Ready to prod.) 9/1/97	
18. ELEVATIONS (DP, RKB, RT, GR, ETC.) 6183' GL						19. ELEV. CASINGHEAD 6184' GL	
20. TOTAL DEPTH, MD & TVD 1955' KB		21. PLUG BACK T.D., MD & TVD 1750'		22. IF MULTIPLE COMPL., HOW MANY? No		23. INTERVALS DRILLED BY Rotary Tools Yes	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 1661' - 1716' Fruitland Coal						25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN None						27. WAS WELL CORRED No	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE/GRADE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
8 5/8"		24#, K-55		151' KB		12 1/4"	
4 1/2"		10.5#, K-55		1940' KB		110 sacks to surface	
						375 SX	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
2 3/8"		1750'		N/A			
31. PERFORATION RECORD (Interval, size and number)							
1661-1664		3 ft.		19 holes			
1667-1674		7 ft.		43 holes			
1706-1708		2 ft.		13 holes			
1711-1716		5 ft.		31 holes			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
1661-1716'				250 gal 7% acid, 34,000 gal. 70 quality N2 foam, 46,210 lbs. 16/30 Brady sand, 366,000 SCF N. 500 gal 15% acid, 10,000 gal.			
33. PRODUCTION							
DATE FIRST PRODUCTION 9/10/97		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping 2"x 1 1/2"x 10' THD pump				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 9/15/97		HOURS TESTED 24		CHOKE SIZE N/A		PROD'N. FOR TEST PERIOD OIL—BBL. 0 GAS—MCF. 38 WATER—BBL. 3 GAS-OIL RATIO N/A	
FLOW, TUBING PRESS. N/A		CASING PRESSURE 145 LP		CALCULATED 24-HOUR RATE OIL—BBL. 0 GAS—MCF. 38 WATER—BBL. 3 OIL GRAVITY-API (CORR.) N/A			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold						TEST WITNESSED BY ACCEPTED FOR RECORD	
35. LIST OF ATTACHMENTS N/A							

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

SIGNED



TITLE

Regulatory Technician

DATE

1/6/98

FARMINGTON DISTRICT OFFICE

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo Fruitland Coal	623' KB 1661' KB	798' KB 1750' KB	Water Gas	Ojo Alamo Kirtland Fruitland	623' KB 798' 1337'	623' KB 798' 1337'
32 continued: 70 quality N2 foam. 34,500 gal. 70 quality N2 foam, 92,980# 20/40 Brady sand.						

38. GEOLOGIC MARKERS



SUMMARY REPORT

1/6/98

FEDERAL 29-23 (PC)

FEDERAL 29-23 (PC)

Property No: 402162 001

API No: 300452476800

AFE/OPS Number: 909

Loc: SW/4 SEC 29-27N-11W (160 AC UN)

Cnty/ St: SAN JUAN NM

AFE Type: RECOMPLETION

Est. WI: 50 % Est. RI: 41.25 %

AFE DHC: \$45,400

Ground Elev:

AFE CWC: \$49,700

KB Elevation:

Spud Date: 03/23/1981

Contractor:

Unofficial Cmpl: 08/25/1981

Mud Co:

1st Oil Sales: 00/00/0000

Operator: LOUIS DREYFUS NATURAL GAS CORP

1st Gas Sales: 00/00/0000

ABANDON THE CURRENT PICTURED CLIFFS FORMATION & RECOMPLETE THE FRUITLAND COAL.

06/03/97

Days- 1; TD- 1817'; PBTD- 1750'; RECOMPLETION- PERFORATING; Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg- 4 1/2"; Tbg- 2 3/8"; Pkr Dpth- None; MIRU Aztec Well Serv. ND WH. NU BOP. POOH w/1 jt 1" line pipe. RU Blue Jet Wireline. RIH w/gauge ring & junk basket, tagged @ 1817'. POOH w/same. Ran collar strip. RIH w/4 1/2" drillable CIBP set @ 1750'. Pressure tested csg to 2500 psi. RIH w/3 1/8" perf gun & perforated the Fruitland Coal Section @ 1661-1664', (3'), 7 holes, 1667-1674', (7'), 15 holes, 1706-1708', (2'), 5 holes & 1711-1716', (5'), 11 holes. TOOH w/perf gun. RD Blue Jet. RIH w/54 jts, J-55, 2 3/8" tbg (1668.10'). SDFN.

DWC-\$ 10,597. CWC-\$ 10,597 CMIC- GS

06/04/97

Days- 2; TD- 1817'; PBTD- 1750'; FRAC JOB; Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg- 4 1/2"; Tbg- 2 3/8"; Pkr Dpth- None; BOPD- 0; MCF/D- 0; BWPD- 0; RU BJ Services. Circ hole w/2% KCL water. Spotted 250 gals 7 1/2% acid over Fruitland Coal zone. Started frac procedure. Ran pad & started 1 lb sand when blender broke dn. RD BJ Serv. TIH w/notch collar & 2 3/8" tbg. Circ hole clean to CIBP @ 1750'. Had 40' fill. SDFN. NOTE: Will attempt to frac in the AM.

DWC-\$ 2,172. CWC-\$ 12,769 CMIC- GS



SUMMARY REPORT

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FEDERAL 29-23 (PC)

06/05/97 Days- 3; TD- 1817'; PBTD- 1750';FRAC JOB;Fruitland Coal;
Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg-
4 1/2"; Tbg- 2 3/8"; Pkr Dpth- None; BOPD- 0; MCF/D- 0;
BWPD- 0;RU BU frac crew & tested lines. Fraced well w/34,000
gals of 70 quality N2 foam and 46,210 lbs. of 16/30 Brady
sand and 366,000 SCF of N2. ISDP- 3480 psi, final SI- 3000
psi. Avg. press- 3080 psi. Avg. rate 41 BPM. TLTR- 194
bbls. Shut in for 2 hrs. and opened well on a 1/4" choke to
tank, 2 hr SI press.-2150 psi. The well screened out when
the 4 ppg sand started down. Shut down w/4280 psi. Well
flowed back 20 bbls in 22 hrs. overnight.
DWC-\$ 23457 CWC-\$ 36,226 CMIC- GS

06/06/97 Days- 4; TD- 1817'; PBTD- 1750';AFTER FRAC CLEAN
UP;Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708'
& 1711-1716'; Csg- 4 1/2"; Tbg- 2 3/8"; Pkr Dpth- None;
BOPD- 0; MCF/D- 0; BWPD- 0;ND frac valve. NU a new wellhead.
NU BOP. RIH w/ a notched collar, seat nipple, and 2 3/8"
tbg. Tagged sand fill @ 1705'. Circ hole clean w/ 2% KCL to
PBTD @ 1750'. Lost 70 BW while circ. Raised tbg to 1690'. RU
to swab. Made 15 swab runs. Rec. 20 bbls. water. Csg press-
10 psi. SDFN. TLTR-244 BW.
DWC-\$ 3174 CWC-\$ 39,400 CMIC- GS

06/07/97 Days- 5; TD- 1817'; PBTD- 1750';SWABBING;Fruitland Coal;
Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg-
4 1/2"; Tbg- 2 3/8"; Pkr Dpth- None; BOPD- 0; MCF/D- 0;
BWPD- 0;SITP-220 psi, SICP-225 psi, Bled off tbg press. Csg
press still @ 225 psi. Made 1 swab run to rec. 2 BW and csg
press dropped to 80 psi. Made 2 more swab runs to rec. 1/2
BW. Csg press dropped to 60 psi. Fluid level @ 1700' TLTR-
242 BW.
DWC-\$ 810 CWC-\$ 40,210 CMIC- GS

06/08/97 Days- 6; TD- 1817'; PBTD- 1750';FLOWBACK;Fruitland Coal;
Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg-
4 1/2"; Tbg- 2 3/8"; Pkr Dpth- None; BOPD- 0; MCF/D- 0;
BWPD- 0;SITP-185 psi. SICP-185 psi. Opened tbg to tank. Tbg
bled down to 0 psi and csg stayed at 185 psi. Left well open
to tank on a 1/4" choke nipple. TLTR-242 BW.
DWC-\$ 40 CWC-\$ 40,250 CMIC- GS

06/09/97 Days- 7; TD- 1817'; PBTD- 1750';FLOWBACK;Fruitland Coal;
Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg-
4 1/2"; Tbg- 2 3/8"; Pkr Dpth- None; BOPD- 0; MCF/D- 0;
BWPD- 0;FTP-0 psi.; CP-179 psi. Recovered 0 BW to tank. SWI
TLTR-242
DWC-\$ 40 CWC-\$ 40,290 CMIC- GS



SUMMARY REPORT

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FEDERAL 29-23 (PC)

06/10/97 Days- 8; TD- 1817'; PBTD- 1750'; RECOMPLETION; Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg- 4 1/2"; Tbg- 1 1/2"; Pkr Dpth- None; BOPD- 0; MCF/D- 0; BWPD- 0; Tbg-145, Csg-155. Fluid level on entry 1200'. Made 2 swab runs and recovered 4 BW. Csg dropped to 50, tbg-0. Lowered tbg tag fill at 1715', 35' of fill. Circulated hole clean to CIBP 1750'. TOOH with 2 3/8 tbg. RIH with 1 1/2 seat nipple 51 jts. 1 1/2 tbg and 4' 2 3/8 sub landed tbg at 1688' 47' NO BOP NU WH. SDFN.
DWC-\$ 2709 CWC-\$ 42,999 CMIC- MR

06/11/97 Days- 9; TD- 1817'; PBTD- 1750'; SWABBING; Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg- 4 1/2"; Tbg- 1 1/2"; Pkr Dpth- None; BOPD- 0; MCF/D- 0; BWPD- 0; SITP- 5 psi. CP- 3 psc. RU to swab. Initial fluid level @ 900'. Made 51 runs to recover 15 BW. Fluid level staying around 1500'. Final csg press 30 psi. TLTR-227 bbls. SWI and SDFN.
DWC-\$ 1191 CWC-\$ 44,190 CMIC- GS

06/12/97 Days- 10; TD- 1817'; PBTD- 1750'; SWABBING; Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg- 4 1/2"; Tbg- 1 1/2"; Pkr Dpth- None; BOPD- 0; MCF/D- 0; BWPD- 0; SITP 5 psi. CP 40 psi. Intial fluid level @ 1000'. Made 24 swab runs to recover 12 BW. TBG swabbed dry. Water is still foamy. TP 0 psi. CP 100 psi. TLTR-215 BW. SWI & SDFN.
DWC-\$ 490 CWC-\$ 44,680 CMIC- GS

06/13/97 Days- 11; TD- 1817'; PBTD- 1750'; SWABBING; Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg- 4 1/2"; Tbg- 1 1/2"; Pkr Dpth- None; BOPD- 0; MCF/D- 0; BWPD- 0; Tbg 50#, Csg 120#. Fluid level @ 1000' on entry. Made 21 runs to recover 10 BW. Fluid level stayed @ 1600' and flowing. Well trying to unload. SDFN.
TLTR - 205 BW
DWC-\$ 580 CWC-\$ 45,260 CMIC- CD

06/14/97 Days- 12; TD- 1817'; PBTD- 1750'; SWABBING; Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg- 4 1/2"; Tbg- 1 1/2"; Pkr Dpth- None; BOPD- 0; MCF/D- 0; BWPD- 0; SITP-30 psi; CP-155 psi. Initial fluid level @ 1550'. Made 6 swab runs to recover 2 BW. Tbg swabbed dry. Shut well in to build press. RD Aztec. TLTR-203 BW.
DWC-\$ 810. CWC-\$ 46,070 CMIC- GS



SUMMARY REPORT

1/6/98

FEDERAL 29-23 (PC)

06/15/97 Days- 13; TD- 1817'; PBTD- 1750'; SHUT IN FOR BUILD
UP; Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708'
& 1711-1716'; Csg- 4 1/2"; Tbg- 1 1/2"; Pkr Dpth- None;
BOPD- 0; MCF/D- 0; BWPD- 0; SITP-50 psi; CP-160 psi. TLTR-203
BW.
DWC-\$ 40. CWC-\$ 46,110 CMIC- GS

06/16/97 Days- 14; TD- 1817'; PBTD- 1750'; SHUT IN FOR BUILD
UP; Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708'
& 1711-1716'; Csg- 4 1/2"; Tbg- 1 1/2"; Pkr Dpth- None;
BOPD- 0; MCF/D- 0; BWPD- 0; SITP-67 psi; CP-172 psi. TLTR-203
BW.
DWC-\$ 40. CWC-\$ 46,150 CMIC- GS

06/17/97 Days- 15; TD- 1817'; PBTD- 1750'; INSTALL
COMPRESSOR; Fruitland Coal; Perfs- 1661-1664', 1667-1674',
1706-1708' & 1711-1716'; Csg- 4 1/2"; Tbg- 1 1/2"; Pkr Dpth-
None; BOPD- 0; MCF/D- 0; BWPD- 0; SITP-70 psi. CP-176 psi.
Installed an EFI screw compressor. Started up compressor and
pulled vacuum on the tbg. Csg press dropped to 135 psi. No
fluid to surface. Shut down compressor. SWI. Will install a
pumping unit. TLTR-203 BW.
DWC-\$ 40. CWC-\$ 46,190 CMIC- GS

06/18/97 Days- 16; TD- 1817'; PBTD- 1750'; SHUT IN; Fruitland Coal;
Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg-
4 1/2"; Tbg- 1 1/2"; Pkr Dpth- None; BOPD- 0; MCF/D- 0;
BWPD- 0; SITP-25 psi; CP-152 psi. Well shut in. Waiting on a
pumping unit. TLTR-203 BW.
DWC-\$ 40. CWC-\$ 46,230 CMIC- GS

06/19/97 Days- 17; TD- 1817'; PBTD- 1750'; WAITING ON PUMPING
UNIT; Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-
1708' & 1711-1716'; Csg- 4 1/2"; Tbg- 1 1/2"; Pkr Dpth-
None; BOPD- 0; MCF/D- 0; BWPD- 0; SITP-55 psi; CP-158 psi.
Well shut in, waiting on a pumping unit. TLTR-203 BW.
DWC-\$ 0. CWC-\$ 46,230 CMIC- GS

06/20/97 Days- 18; TD- 1817'; PBTD- 1750'; WAITING ON PUMPING
UNIT; Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-
1708' & 1711-1716'; Csg- 4 1/2"; Tbg- 1 1/2"; Pkr Dpth-
None; BOPD- 0; MCF/D- 0; BWPD- 0; SITP-55 psi; CP-158 psi.
Waiting on a pumping unit. TLTR-203 BW.
DWC-\$ 0. CWC-\$ 46,230 CMIC- GS



SUMMARY REPORT

1/6/98

FEDERAL 29-23 (PC)

06/21/97 Days- 19; TD- 1817'; PBTD- 1750';WAITING ON PUMPING UNIT;Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg- 4 1/2"; Tbg- 1 1/2"; Pkr Dpth- None;SITP-60 psi, CP-175 psi. Dropped soap sticks. Purged tbg, but did not unload any water. TP-0 psi. CP-172 psi. Waiting on pumping unit. TLTR-203 BW.
DWC-\$ 0. CWC-\$ 46,230 CMIC- GS

06/22/97 Days- 20; TD- 1817'; PBTD- 1750';WAITING ON PUMPING UNIT;Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg- 4 1/2"; Tbg- 1 1/2"; Pkr Dpth- None;SITP-30 psi. CP-175 psi. Waiting on pumping unit. TLTR-203 BW.
DWC-\$ 0. CWC-\$ 46,230 CMIC- GS

06/23/97 Days- 21; TD- 1817'; PBTD- 1750';WAITING ON PUMPING UNIT;Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg- 4 1/2"; Tbg- 1 1/2"; Pkr Dpth- None;SITP-50 psi. CP-175 psi. Waiting on pumping unit.
DWC-\$ 0. CWC-\$ 46,230 CMIC- GS

06/24/97 Days- 22; TD- 1817'; PBTD- 1750';WAITING ON PUMPING UNIT;Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg- 4 1/2"; Tbg- 1 1/2"; Pkr Dpth- None; BOPD- 0; MCF/D- 0; BWPD- 0;SITP-50 psi; CP-178 psi. Waiting on pumping unit. TLTR-203 BW.
DWC-\$ 0. CWC-\$ 46,230 CMIC- GS

06/25/97 Days- 23; TD- 1817'; PBTD- 1750';WAITING ON PUMPING UNIT;Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg- 4 1/2"; Tbg- 1 1/2"; Pkr Dpth- None;SITP-50 psi; CP-178 psi. Waiting on pumping unit. TLTR-203 BW.
DWC-\$ 0. CWC-\$ 46,230 CMIC- GS

06/26/97 Days- 24; TD- 1817'; PBTD- 1750';PUT WELL ON ROD PUMP;Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg- 4 1/2"; Tbg- 1 1/2"; Pkr Dpth- None;MIRU Aztec Well Service. ND WH. NU BOP. Lowered tbg to tag fill @ 1714'. POOH w/51 jts (1688') of J-55 tbg. RIH w/a 2 7/8" sand pump & cleaned out frac sand to PBTD @ 1750'. Laid down sand pump. RIH w/a 2 3/8" MA (31.58'), perf'd sub (4.00'), SN (1.10') & 52 jts 2 3/8" J-55 tbg (1637.03'). Land tbg @ 1683.71' KB. ND BOP & NU WH. SDFN.
DWC-\$ 2,338. CWC-\$ 48,568 CMIC- GS



SUMMARY REPORT

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FEDERAL 29-23 (PC)

06/27/97 Days- 25; TD- 1817'; PBTD- 1750';SET PUMPING UNIT;Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg- 4 1/2"; Tbg- 1 1/2"; Pkr Dpth- None; BOPD- 0; MCF/D- 0; BWPD- 0;NUWH. RIH w/1"x 4' gas anchor, a 2"x 1 1/2"x 10', THD pump, 65- 3/4" rods, 1- 3/4"x 6' rod sub and a 1 1/4"x 16' polish. Spaced out pump. Set pumping unit. RD pulling unit. SDFN.

DWC-\$ 1752 CWC-\$ 50,320 CMIC- GS

06/28/97 Days- 26; TD- 1817'; PBTD- 1750';PRODUCING ON TEST;Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg- 4 1/2"; Tbg- 1 1/2"; Pkr Dpth- None; BOPD- 0; MCF/D- 0; BWPD- 0;Worked on pumping unit engine. Set seperator & water tank. Started well pumping. TP- 0 psi, CP-125 psi. TLTR-203 BW.

DWC-\$ 9178. CWC-\$ 59,498 CMIC- GS

06/29/97 Days- 27; TD- 1817'; PBTD- 1750';PRODUCING ON TEST;Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg- 4 1/2"; Tbg- 1 1/2"; Pkr Dpth- None; BOPD- 0; MCF/D- 0; BWPD- 0;Pumping unit down. Repaired prime mover. TLTR-203 BW.

DWC-\$ 0. CWC-\$ 59,498 CMIC- GS

06/30/97 Days- 28; TD- 1817'; PBTD- 1750';PRODUCING ON TEST;Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg- 4 1/2"; Tbg- 1 1/2"; Pkr Dpth- None; BOPD- 0; MCF/D- 0; BWPD- 8;Pumping unit down. TLTR-195 BW.

DWC-\$ 0. CWC-\$ 59,498 CMIC- GS

07/01/97 Days- 29; TD- 1817'; PBTD- 1750';PRODUCING;Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg- 4 1/2"; Tbg- 1 1/2"; Pkr Dpth- None; BOPD- 0; MCF/D- 0; BWPD- 0;Pumped 24 hrs. No fluid. CP-15 psi. TLTR-195 BW.

DWC-\$ 0 CWC-\$ 59,498 CMIC- GS

07/02/97 Days- 30; TD- 1817'; PBTD- 1750';WAITING ON ORDERS;Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg- 4 1/2"; Tbg- 1 1/2"; Pkr Dpth- None; BOPD- 0; MCF/D- 0; BWPD- 0;CP-20 psi. Well pumping to tank. Made no fluid or gas. Shut down pumping unit. SWI. WOO. TLTR-195 BW.

DWC-\$ 0. CWC-\$ 62,388. CMIC- GS



SUMMARY REPORT

1/6/98

FEDERAL 29-23 (PC)

07/03/97 Days- 31; TD- 1817'; PBTD- 1750';WELL SHUT IN -
WOO;Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-
1708' & 1711-1716'; Csg- 4 1/2"; Tbg- 1 1/2"; Pkr Dpth-
None; BOPD- 0; MCF/D- 0; BWPD- 0;Well shut in 24 hours.
Waiting on orders. TP-0 psi; CP-30 psi. TLTR-195 BW.
DWC-\$ 0. CWC-\$ 62,388 CMIC- GS

07/04/97 Days- 32; TD- 1817'; PBTD- 1750';SHUT IN - WAITING ON
ORDERS;Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-
1708' & 1711-1716'; Csg- 4 1/2"; Tbg- 1 1/2"; Pkr Dpth-
None; BOPD- 0; MCF/D- 0; BWPD- 0;WOO.
DWC-\$ 0. CWC-\$ 62,388 CMIC- GS

07/05/97 Days- 33; TD- 1817'; PBTD- 1750';SHUT IN - WAITING ON
ORDERS;Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-
1708' & 1711-1716'; Csg- 4 1/2"; Tbg- 2 3/8"; Pkr Dpth-
None; BOPD- 0; MCF/D- 0; BWPD- 0;WOO.
DWC-\$ 0. CWC-\$ 62,388 CMIC- GS

07/06/97 Days- 34; TD- 1817'; PBTD- 1750';SHUT IN - WAITING ON
ORDERS;Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-
1708' & 1711-1716'; Csg- 4 1/2"; Tbg- 2 3/8"; Pkr Dpth-
None; BOPD- 0; MCF/D- 0; BWPD- 0;WOO.
DWC-\$ 0. CWC-\$ 62,388 CMIC- GS

07/07/97 Days- 35; TD- 1817'; PBTD- 1750';SHUT IN - WAITING ON
ORDERS;Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-
1708' & 1711-1716'; Csg- 4 1/2"; Tbg- 2 3/8"; Pkr Dpth-
None; BOPD- 0; MCF/D- 0; BWPD- 0;WOO.
DWC-\$ 0. CWC-\$ 62,388 CMIC- GS

07/08/97 Days- 36; TD- 1817'; PBTD- 1750';PRODUCING 6
HOURS;Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-
1708' & 1711-1716'; Csg- 4 1/2"; Tbg- 2 3/8"; Pkr Dpth-
None; BOPD- 0; MCF/D- 0; BWPD- 0;Ran pumping unit 6 hours &
made 0-BW. CP-175 psi. TLTR-195 BW.
DWC-\$ 0. CWC-\$ 62,388 CMIC- GS



SUMMARY REPORT

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FEDERAL 29-23 (PC)

07/09/97 Days- 37; TD- 1817'; PBTD- 1750'; SHUT IN- WOO; Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg- 4 1/2"; Tbg- 2 3/8"; Pkr Dpth- None; BOPD- 0; MCF/D- 0; BWPD- 30; Loaded and tested tbg to 500# w/3 BW (2% KCL). Pumped 30 bbls of wtr dn csg. Started well pumping. Pumped back 30 bbls of water and stopped pumping. Csg pressure this AM is 150#. The well will pump but there is no fluid entering the well bore. We still have approx. 200 bbls of frac fluid in the formation. Shut well in and waiting on orders.
DWC-\$ 210 CWC-\$ 62,598 CMIC- GS

07/10/97 Days- 38; TD- 1817'; PBTD- 1750'; SHUT IN -WOO; Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg- 4 1/2"; Tbg- 2 3/8"; Pkr Dpth- None; BOPD- 0; MCF/D- 0; BWPD- 0; Waiting on Orders.
DWC-\$ 0. CWC-\$ 62,598 CMIC- GS

07/11/97 Days- 39; TD- 1817'; PBTD- 1750'; SHUT IN - WOO; Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg- 4 1/2"; Tbg- 2 3/8"; Pkr Dpth- None; BOPD- 0; MCF/D- 0; BWPD- 0; Shut in. Waiting on orders.
DWC-\$ 0. CWC-\$ 62,598 CMIC- GS

07/12/97 Days- 40; TD- 1817'; PBTD- 1750'; WAITING ON ORDERS; Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg- 4 1/2"; Tbg- 2 3/8"; Pkr Dpth- None; BOPD- 0; MCF/D- 0; BWPD- 0; WOO.
DWC-\$ 0. CWC-\$ 62,598 CMIC- GS

07/13/97 Days- 41; TD- 1817'; PBTD- 1750'; WAITING ON ORDERS; Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg- 4 1/2"; Tbg- 2 3/8"; Pkr Dpth- None; BOPD- 0; MCF/D- 0; BWPD- 0; WOO.
DWC-\$ 0. CWC-\$ 62,598 CMIC- GS

07/14/97 Days- 42; TD- 1817'; PBTD- 1750'; WAITING ON ORDERS; Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg- 4 1/2"; Tbg- 2 3/8"; Pkr Dpth- None; BOPD- 0; MCF/D- 0; BWPD- 0; WOO.
DWC-\$ 0. CWC-\$ 62,598 CMIC- GS



SUMMARY REPORT

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FEDERAL 29-23 (PC)

07/15/97 Days- 43; TD- 1817'; PBTD- 1750'; WOO - SI; Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg- 4 1/2"; Tbg- 2 3/8"; Pkr Dpth- None; BOPD- 0; MCF/D- 0; BWPD- 0; WOO-SI.

FINAL REPORT!!

DWC-\$ 0 CWC-\$ 62,598

08/02/97 Days- 44; TD- 1817'; PBTD- 1750'; REPERFORATE & FRAC; Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg- 4 1/2", 10.5#, K-55; Tbg- 2 3/8"; Pkr Dpth- none; BOPD- 0; MCF/D- 0; BWPD- 0; MIRU Flint Well Service. POOH w/65 3/4" rods & a 1 1/2 x 10' THD pump. ND WH. NU BOP. Lowered tbg to tag fill @ 1702'. RU BJ nitrogen pump truck & circ out 48' of sand to 1750'. RD BJ. POOH w/2 stands of tbg. Rope socket on tbg. line came loose on the tbg drum and dropped the blocks 50' to the rig floor. The blocks struck a Flint employee named Juan Segovia a glancing blow. He was transported by ambulance to San Juan Hospital where he was treated and released. SDFN.

DWC-\$ 2239 CWC-\$ 64,837 CMIC- GS

08/03/97 Days- 45; TD- 1817'; PBTD- 1750'; REPERFOCATE & FRAC; Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg- 4 1/2", 10.5#, K-55; Tbg- 2 3/8"; Pkr Dpth- none; BOPD- 0; MCF/D- 0; BWPD- 0; Repaired Flint pulling unit & made a safety inspection of rig by Flint Construction Rig Supt. Will receive a copy of the accident report later. POOH w/52 jts of 2 3/8" tbg (1641.79') SN (1.10') perf'd sub (4') mud anchor (31.58'). RU Blue Jet wireline truck. Perfocated well as follows w/a 3 1/8" csg gun: 1661-1664' 4 SPF (12 holes), 1667-1674' 4 SPF (28 holes), 1706'-1708' (8 holes), 1711-16 (20 holes) for a total of 68 holes. RD Blue Jet. RU BJ frac crew. Pumped 500 gals of 15% acid and a 10,000 gal pad of 70 quality N2 foam. Fraced perfs w/34,500 gals of 70 quality N2 foam w/a total of 92,980 lbs of 20/40 Brady sand ramped from 1 to 4 ppg. Well screened out w/4500 psi when starting flush. ISDP-4610# 5 min-4264#; 10 min 4089# 15 min-3910#. Avg pressure - 2900#. Avg rate 35 BPM. Pumped a total of 92,980 lbs of sand w/518,500 SCF N2. TLTR-330 bbls. 2 hrs-SIP-2325#. Opened well to flow back tank on a 1/4 " choke. SDFN.

DWC-\$ 4,474 CWC-\$ 69,311 CMIC- GS



SUMMARY REPORT

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FEDERAL 29-23 (PC)

08/04/97 Days- 46; TD- 1817'; PBTD- 1750'; FLOW BACK AFTER
FRAC; Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-
1708' & 1711-1716'; Csg- 4 1/2", 10.5#, K-55; Tbg- 2 3/8"; Pkr
Dpth- none; BOPD- 0; MCF/D- 0; BWPD- 23; Well flowed back 23
BW overnite with a lot of sand. Left flowing to tank on a
1/4" choke. TLTR-307 BW.
DWC-\$ 40 CWC-\$ 69,351 CMIC- GS

08/05/97 Days- 47; TD- 1817'; PBTD- 1750'; PUT WELL ON PUMP; Fruitland
Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-
1716'; Csg- 4 1/2", 10.5#, K-55; Tbg- 2 3/8"; Pkr Dpth- none;
BOPD- 0; MCF/D- 0; BWPD- 0; Well flowed 2 BW overnite. ND
frac valve & NU BOP RIH w/2 3/8" tbg & tagged fill @ 1720'.
RU BJ N2 truck & circ hole clean to 1750' w/85,000 SCF N2.
RD BOT. POOH w/tbg. RIH w/a 2 3/8" mud anchor (31.58'),
perf'd sub (4'), SN (1.10') and 52 jts of 2 3/8" J-55 tbg
(1641.61'). ND BOP. NU WH. RIH w/a 4" gas anchor on a 2"
x 1 1/2" x 10' THD pump, 65-3/4" rods, 1-3/4" x 6' rod sub
and a 16' x 1 1/4" polish rod. Hung well on to pump and RD
pulling unit. TLTR-305 BW.
DWC-\$ 3,303 CWC-\$ 72,654 CMIC- GS

08/06/97 Days- 48; TD- 1817'; PBTD- 1750'; RECOMPLETION; Fruitland
Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-
1716'; Csg- 4 1/2", 10.5#, K-55; Tbg- 2 3/8"; Pkr Dpth- none;
BOPD- 0; MCF/D- 0; BWPD- 0; Well did not pump up. RU pump
truck and tried to load tbg. Will pull pump in the AM.
DWC-\$ 200 CWC-\$ 72,854 CMIC- GS

08/07/97 Days- 49; TD- 1817'; PBTD- 1750'; PUMP CHANGE; Fruitland
Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-
1716'; Csg- 4 1/2", 10.5#, K-55; Tbg- 2 3/8"; Pkr Dpth- none;
BOPD- 0; MCF/D- 0; BWPD- 0; MIRU Aztec Well Service. POOH
w/rods & pump. Disassembled pump and found it full of coal
lines. Repaired pump. RIH w/a 4'x1" gas anchor on a 2" x 1
1/2 x 10' pump, 65-3/4 rods, 1-6'x 3/4" rod sub and a 1 1/4"
x 16' polish rod. Seat nipple @ 1641.6'. Hung well on to
pump & RD Aztec pulling unit.
DWC-\$ 916 CWC-\$ 73,770 CMIC- GS

08/08/97 Days- 50; TD- 1817'; PBTD- 1750'; ON TEST; Fruitland Coal;
Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg-
4 1/2", 10.5#, K-55; Tbg- 2 3/8"; Pkr Dpth- none; BOPD- 0;
MCF/D- 0; BWPD- 20; Well pumped off overnite after making 20
BW. RD Aztec Well Service. TLTR-285 BW.
DWC-\$ 272 CWC-\$ 74,042 CMIC- BS



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FEDERAL 29-23 (PC)

08/09/97 Days- 51; TD- 1817'; PBTD- 1750';PUMPING ON TEST;Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg- 4 1/2",10.5#,K-55; Tbg- 2 3/8"; Pkr Dpth- none; BOPD- 0; MCF/D- 0; BWPD- 0;Started pumping unit. Slight blow on csg.
DWC-\$ 0 CWC-\$ 74,042 CMIC- GS

08/10/97 Days- 52; TD- 1817'; PBTD- 1750';PUMPING ON TEST;Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg- 4 1/2",10.5#,K-55; Tbg- 2 3/8"; Pkr Dpth- none; BOPD- 0; MCF/D- 0; BWPD- 4;Pumped 4 BW and pumped off. Slight blow on csg.
DWC-\$ 0 CWC-\$ 74,042 CMIC- GS

08/11/97 Days- 53; TD- 1817'; PBTD- 1750';PUMPING ON TEST;Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg- 4 1/2",10.5#,K-55; Tbg- 2 3/8"; Pkr Dpth- none; BOPD- 0; MCF/D- 0; BWPD- 0;Pumped 0 BW overnite. Slight blow on csg. Shut down pumping unit. TLTR-301 BW.
DWC-\$ 0 CWC-\$ 74,042 CMIC- GS

08/12/97 Days- 54; TD- 1817'; PBTD- 1750';PUMPING ON TEST;Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg- 4 1/2",10.5#,K-55; Tbg- 2 3/8"; Pkr Dpth- none; BOPD- 0; MCF/D- 0; BWPD- 0;SICP-155#. Blew dn csg. Started well pumping with csg vented. TLTR-301 BW.
DWC-\$ 0 CWC-\$ 74,042 CMIC- GS

08/13/97 Days- 55; TD- 1817'; PBTD- 1750';PUMPING ON TEST;Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg- 4 1/2",10.5#,K-55; Tbg- 2 3/8"; Pkr Dpth- none; BOPD- 0; MCF/D- 0; BWPD- 8;Well pumped off overnite. Made 8 BW. Shut down pumping unit. TLTR-293 BW.
DWC-\$ 0 CWC-\$ 74,042 CMIC- GS

08/14/97 Days- 56; TD- 1817'; PBTD- 1750';PUMPING ON TEST;Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706-1708' & 1711-1716'; Csg- 4 1/2",10.5#,K-55; Tbg- 2 3/8"; Pkr Dpth- none; BOPD- 0; MCF/D- 0; BWPD- 0;Started pumping unit & pumped 2 BW & pumped off. Shut down pumping unit. TLTR-291 BW.
DWC-\$ 0 CWC-\$ 74,042 CMIC- GS



SUMMARY REPORT

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FEDERAL 29-23 (PC)

08/15/97 Days- 57; TD- 1817'; PBTD- 1750'; RECOMPLETION PUMPING ON TEST; Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706'-1708' & 1711-1716'; Csg- 4 1/2", 10.5#, K-55; Tbg- 2 3/8"; Pkr Dpth- none; BOPD- 0; MCF/D- 0; BWPD- 2; Started pumping unit & pumped 2 BW & pumped off. Shut down pumping unit. TLTR- 289 BW. Final report until something changes on this well.
DWC-\$ 0 CWC-\$ 74,042 CMIC- GS

08/22/97 Days- 64; TD- 1817'; PBTD- 1750'; CLEAN OUT & PUMP REPAIR; Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706'-1708' & 1711-1716'; Csg- 7 1/2", 10.5#, K-55; Tbg- 2 3/8"; Pkr Dpth- none; BOPD- 0; MCF/D- 0; BWPD- 0; MIRU Aztec Well Service. POOH w/65 3/4" rods & a 3/4" x 6' rod sub & a 2"x1 1/2"x10' THD pump w/gas anchor. Lowered tbg & tagged sand @ 1661'. RU to sand pump. Made 12 runs w/sand pump. Recovering sand on each run but it seems like the perfs are giving up a lot of sand. SDFN.
DWC-\$ 1621 CWC-\$ 75,663 CMIC- GS

08/23/97 Days- 65; TD- 1817'; PBTD- 1750'; SANDPUMPING; Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706'-1708' & 1711-1716'; Csg- 7 1/2", 10.5#, K-55; Tbg- 2 3/8"; Pkr Dpth- none; BOPD- 0; MCF/D- 0; BWPD- 0; Made 48 runs w/sand pump & cleaned out sand to PBTD @ 1750'. Perforations are still giving up sand. SDFN.
DWC-\$ 1485 CWC-\$ 77,148 CMIC- GS

08/24/97 Days- 66; TD- 1817'; PBTD- 1750'; REPAIR SAND PUMP; Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706'-1708' & 1711-1716'; Csg- 7 1/2", 10.5#, K-55; Tbg- 2 3/8"; Pkr Dpth- none; BOPD- 0; MCF/D- 0; BWPD- 0; Sand pump broke. Took it to town for repairs.
DWC-\$ 0 CWC-\$ 77,148 CMIC- GS

08/25/97 Days- 67; TD- 1817'; PBTD- 1750'; CLEAN OUT & RUN TBG; Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706'-1708' & 1711-1716'; Csg- 7 1/2", 10.5#, K-55; Tbg- 2 3/8"; Pkr Dpth- none; BOPD- 0; MCF/D- 0; BWPD- 0; RIH with 2 7/8 sand baler, clean out to bottom (1750'). RIH with 2 3/8 mud anchor (31.58) perf sub (4') SN (1.10) 51 jts 2 3/8 tbg (1620.44) tbg sub (10.10) landed at 1667.22. RU to swab, made 3 runs to kick well off. Left well flowing to tank. SDFN.
DWC-\$ 1077 CWC-\$ 78,225 CMIC- GS



SUMMARY REPORT

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FEDERAL 29-23 (PC)

08/26/97

Days- 68; TD- 1817'; PBTD- 1750'; RUN RODS & PUMP; Fruitland Coal; Perfs- 1661-1664', 1667-1674', 1706'-1708' & 1711-1716'; Csg- 7 1/2", 10.5#, K-55; Tbg- 2 3/8"; Pkr Dpth- none; BOPD- 0; MCF/D- 0; BWPD- 0; Lowered tbg to check for fill. Had 3' of fill. Raised tbg and hung off at 1657'. ND BOP NU WH RIH with gas anchor (4') pump (1 1/2 x 10') 64 3/4" rods (1600') 1 rod sub (4') 1 rod sub (6') polish rod (16'). RD Aztec Well Service. SDFN

DWC-\$ 952 CWC-\$ 79,177 CMIC- GS