

7. P/U and RIH with 4-1/2" 11.6# cement retainer on workstring set retainer 50' above leak/holes.
8. MIRU cement crew. Sting into retainer. Establish injection rate. Mix and pump cement to squeeze leak.
9. RDMO cement crew. WOC.
10. RIH with 3-3/4" mill and bit sub on 2-3/8", 4.7#, workstring. Drill out cement retainer and cement to CBP 3200'. Circulate clean. Pressure test squeeze to 500 psi.
11. MIRU wireline unit. Install Run CCL/GR ~2200' to 1800'. Perforate Basal Fruitland Coal with 2-7/8" HSD guns with 4 SPF, as follows: 1902-1928' 104' holes.
12. Pick up frac liner with dual packers to isolate the squeeze holes at 328'.
13. Frac Basal Fruitland Coal via casing as per the service company recommendation.
14. RIH with 3-3/4" bit and bit sub on 2-3/8" workstring drill out 1st CBP at 3200' and 2nd CBP at 4210' proceed to cleanout to PBTD of 4706'
15. POOH with workstring and bit. L/D Workstring and BHA.
16. P/U and RIH w/ 2-3/8", 4.7#, production tubing. Land tbg at ~ 4600'. Run rods and pump. Install pumping unit.
17. Rig down and clean location



L.M. Barton #1C

San Juan County, New Mexico

Current Well Schematic as of 11-23-2008

API:	30-045-30567	Geologic Tops:	
Legals:	Sec 12 - T 30N - R 12W	Ojo Alamo	435'
	660' FSL & 1935' FWL	Kirtland	555'
Field:	Blanco Mesaverde	Fruitland	1398'
KB		Pictured Cliffs	1940'
KB Elev	5629'	Menefee	3680'
GR Elev	5616'	PLO	4300'

Comp date 7/15/2002
Status:

Surface Casing:
8-5/8", 24#, J-55, set @ 347' in 12-1/4" hole
Cmt'd. with 260 sks G - circ 9 bbls to pit

8-2003
Shot 2 holes @ 328' pumped 2.5 bpm @ 500 psi
Sq w/ 100 sxs 2% CaCl Class G circ 10 bbls to pit.
Test to 1000# Ok c/o to PBD of 4706'

4-2004
Set CBP @ 1010'
Ran CBL - Pressure Temp Survey Good cement no gas interference
Drill out CBP & c/o to 4706' no sand in well

Tubing Details (11/21/08)

131 jts 2-3/8" J-55 tbg
2-3/8" profile nipple
4' x 2-3/8" pup jt
Wireline re-entry guide
EOT @ 4014'

DV Tool @ 3249'

Menefee: Perf: 3921' - 3926'; 3952' - 3958'; 4018' - 4023'; 4084' - 4088'
(11/10/08) 3-1/8" gun, 90 deg phasing, 2 spf, 40 holes total
Frac: Pumped 1000 gals w/ 60 bio-ball @ 7bpm, max pressure 2100 psi
(11/14/08) Pumped 72,022 gals 9 cp Delta 140 frac fluid, Pumped 1100 sxs 20/40 sand; Max rate = 23 bpm; Max pressure = 3231 psi;

Clean out to 4210' (11/20/08)
Baker CBP set @ 4210' (11/7/08)

Perforation Details:

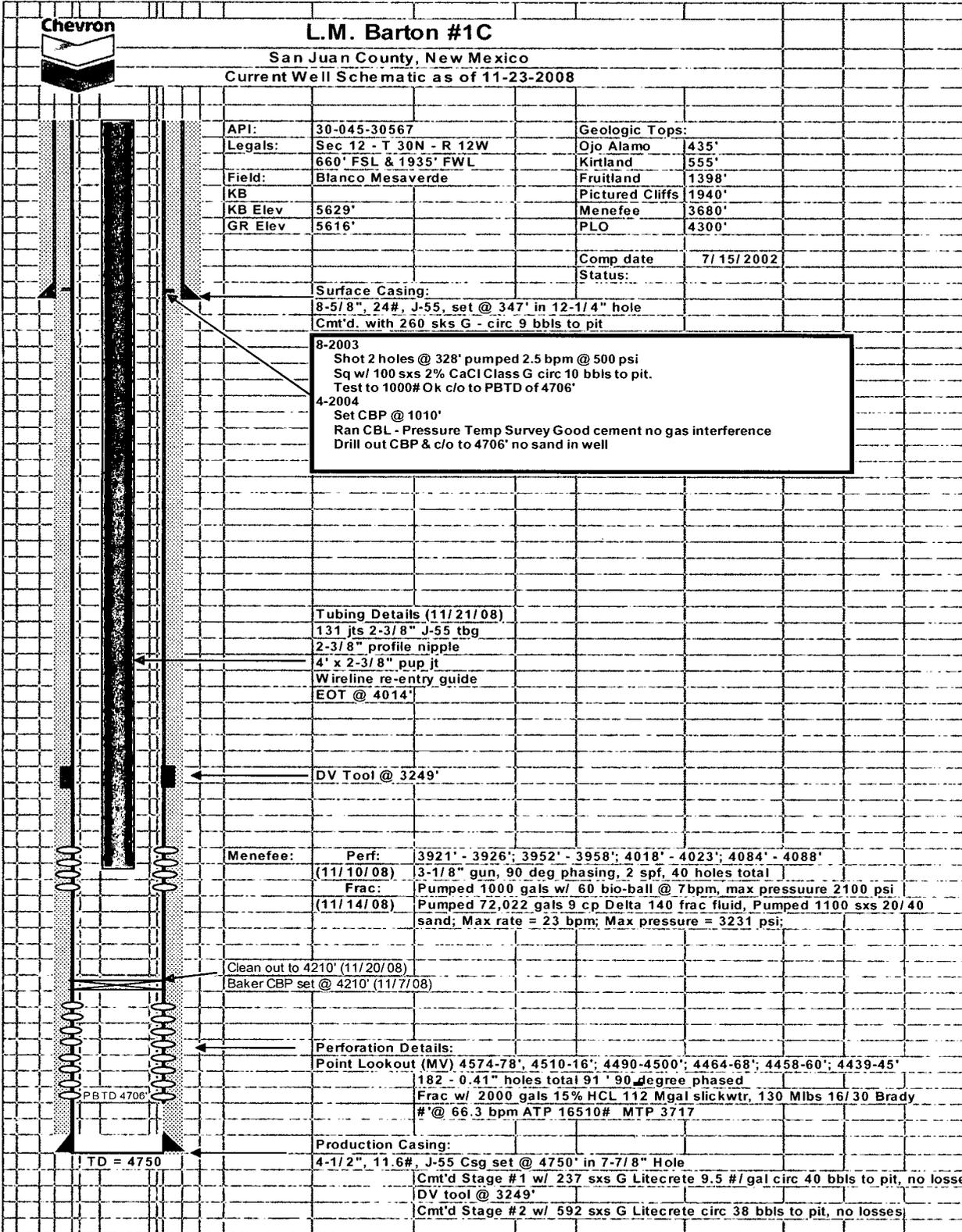
Point Lookout (MV) 4574-78'; 4510-16'; 4490-4500'; 4464-68'; 4458-60'; 4439-45'
182 - 0.41" holes total 91' 90 degree phased
Frac w/ 2000 gals 15% HCL 112 Mgal slickwtr, 130 Mlbs 16/30 Brady
#@ 66.3 bpm ATP 16510# MTP 3717

Production Casing:

4-1/2", 11.6#, J-55 Csg set @ 4750' in 7-7/8" Hole
Cmt'd Stage #1 w/ 237 sxs G Litecrete 9.5 #/gal circ 40 bbls to pit, no losses
DV tool @ 3249'
Cmt'd Stage #2 w/ 592 sxs G Litecrete circ 38 bbls to pit, no losses

TD = 4750

PBD 4706'



District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-30567		² Pool Code 71629		³ Pool Name Basin Fruitland Coal (Gas)	
⁴ Property Code 17695		⁵ Property Name LM Barton			⁶ Well Number 1C
⁷ OGRID No. 131994		⁸ Operator Name Four Star Gas & Oil Company			⁹ Elevation 5616'

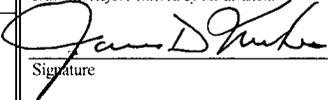
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	12	30N	12W		660	South	1935	West	San Juan

¹¹ 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
¹² Dedicated Acres MV 320 acres FC 319.45 acres per NMOCD		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.		RCVD MAR 1 '13 OIL CONS. DIV. DIST. 3	

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.

				¹⁷ OPERATOR CERTIFICATION	
				<i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>	
				 Signature	2-28-13 Date
				James D. Micikas Printed Name	
				Micikjd@chevron.com E-mail Address	
				¹⁸ SURVEYOR CERTIFICATION	
				<i>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.</i>	
				Date of Survey	
				Signature and Seal of Professional Surveyor:	
				Certificate Number	
LM BARTON 1C					