

Submit 1 Copy To Appropriate District Office  
 District I - (575) 393-6161  
 1625 N. French Dr., Hobbs, NM 88240  
 District II - (575) 748-1283  
 811 S. First St., Artesia, NM 88210  
 District III - (505) 334-6178  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV - (505) 476-3460  
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals and Natural Resources

Form C-103  
 Revised August 1, 2011

OIL CONSERVATION DIVISION  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505  
**\*AMENDED**

WELL API NO. 30-045-30540
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name LM Barton
8. Well Number 1B
9. OGRID Number 131994
10. Pool name or Wildcat Basin Fruitland Coal
11. Elevation (Show whether DR, RKB, RT, GR, etc.) GL 5670'

**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.)

1. Type of Well: Oil Well  Gas Well  Other

2. Name of Operator Four Star Gas & Oil Company

3. Address of Operator  
 Attn: Regulatory Specialist 332 Road 3100 Aztec, New Mexico 87410

4. Well Location  
 Unit Letter D : 660 feet from the North line and 960 feet from the West line  
 Section 12 Township 30N Range 12W NMPM San Juan County

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER <u>Perforate and fracture</u> <input checked="" type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

~~Depth of perforation corrected to due to a typographical error on the original workover summary.~~

2/9/2012 Picked up and RIH with 2" JDC to 4257 ft. Recovered piston, unable to retrieve the string. RIH and set a 3 slip stop at 4550 ft POOH and RD slick line unit. ND well head, NU BOPs. Tested BOP's to 250 psi low 1500 high, also tested TIW valves 250 psi low 1500 psi high. Was unable to get a good high test on the BOP's, had to call out for new 1502 3" connection.

2/10/2012 See attached page for further information.

**RCVD NOV 2 '12  
 OIL CONS. DIV.  
 DIST. 3**

Spud Date:

Rig Release Date:

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

SIGNATURE: April E Pohl TITLE: Regulatory Specialist DATE: 10/30/12

Type or print name April E. Pohl E-mail address: April.Pohl@chevron.com PHONE: 505-333-1941

**For-State-Use-Only**  
 APPROVED BY: Bob Bell TITLE: Deputy Oil & Gas Inspector, District #3 DATE: 11/21/12  
 Conditions of Approval (if any): AV

Continued from first page.

- 2/10/2012 RU test truck, tested BOPs 250 psi low, 1500 psi high, good test. RD test truck. Checked well pressure - 175 psi on casing and 75 psi on tubing. Caliper elevator, killed tubing and casing, pulled the hanger. POOH with 147 joints of 2 3/8" tubing loaded on tubing float sent for inspection. Loaded tubing on float, unloaded work string and tally tubing. PU and RIH with 3 3/4" bit, bit sub, scraper, XO back to 2 3/8" work string, ( BHA has float installed). RIH with 95 joints, SWIFN.
- 2/13/2012 Checked well pressure had 170 psi, bled down pressure. POOH with tubing, LD 33 joints, racked back 31 STD's. Moved equipment to get the wire line truck stopped in. PU 4.5" TST packer RIH with 1 joint, filled the hole with fluid, set the TST Packer. Tested the casing to 500 psi low for 5 minutes 3500 psi high for 30 minutes. Picked up and RIH with guns, shot holes at 2070'. POOH and LD lubricator and guns. RD wire line. Closed blind rams and pumped down the casing up the surface casing. pumping at 5 BPM had 400 psi on casing, pumping at 5bbl per min, pump 15 BBL's. Drained pump and lines, SWIFN. PU lubricator and equipment. PU and RIH with 4.5" CBP set at 2200 ft, POOH with wire line tools and LD equipment.
- 2/14/2012 Checked well pressure had 0 psi, bled down pressure. Picked up and RIH with cement retainer set at 2050 ft. RU lines and tested to 3900 psi, good test. Pumped injection test: 1 BPM, 4 psi; 1.5 BPM, 130 psi; 2 BPM, 500 psi; 2.5 BPM, 779 psi; 3.5 BPM, 1073 psi; 4.5 BPM, 1560 psi. Pumped total of 18.5 BBLs of water, ISIP 550 psi. Mixed cement and pump total of 100 sks: 15.8 psi. total of 23.5 BBLs. Picked up out of cement retainer about 20'; reversed out 20 BBLs, got back 3 BBLs of cement. RD cement truck and lines and move cement truck off location. Had to move equipment around to spot in tanks for frac job. Drained pump and lines SWIFN.
- 2/15/2012 Checked well pressure, had 0 psi. Moved in equipment, spotted in frac tanks. Caliper elevator, RIH and tagged TOC at 2041'. POOH with tubing and LD tools. RU and RIH with CBL logged from 2041 TOC to Surface had good cement up to 1730'. RD wire line and moved off location. Drained lines and pump SWIFN. Shut down waiting on cement and perf guns.
- 2/16/2012 Operations suspended, waiting on frac crew
- 2/17/2012 PU and RIH with 2-7/8" Power Jet HSD guns, penetration 25.3"; ID 0.38", gram charge 17.6. First run shot at 2015'-2003'. Second run shot 2007'-1997'. POOH and RD wireline 1997'-2015'
- 2/18/2012 Spotted in frac pump and trucks on location. RU frac irons, lines and pump's for for frac job. Tested lines to 4500 psi, good test. Started pumping frac job, pumped 110250 lbs of sand downhole. Max treating pressure 2025 psi, Max treating rate (gpm) 25.36. ISIP 624 psi.

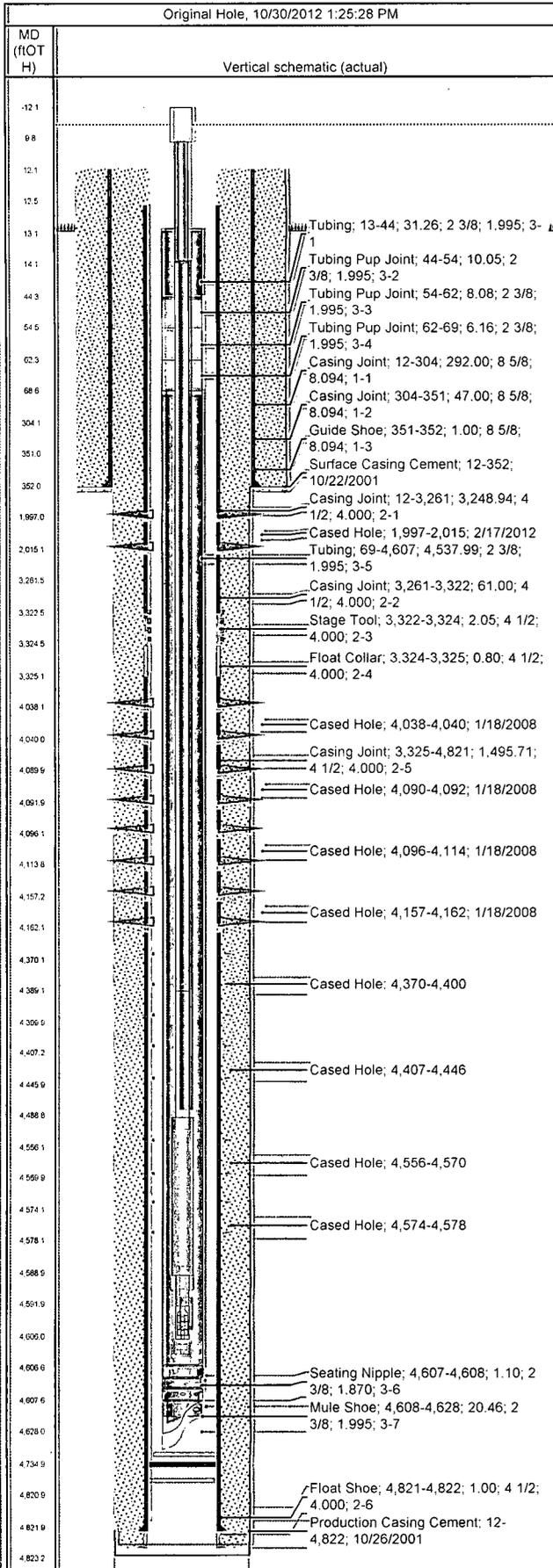
RD frac iron and moved off equipment. SWIFN

- 2/20/2012 Check well, SIWHP - 0 psi, vacuum, open well to flowback tank  
RU Hydrowalk, set pipe racks, offload drill collars, tbg, tally tbg, caliper elevators,  
RU flowback line  
RIH w/ 8 jts, POOH, LD same,  
PU & RIH w 3 3/4" mill, PU 3 1/8" Drill Collar - found bad safety clamp, order new.  
PU and RIH w 3 3/4" mill, 6 - 3 1/8" DC's, 2 3/8" tbg, Tag @ 1919 on 55 jts, PU Power Swivel  
Test lines w/ air, start air and establish circulation at 1000 psi. Start mist @ 10 bwph and 475 psi.  
Clean out sand from 1919' to 2042, Drill cement to CICR @ 2050, Pump sweep, Circ clean.  
SD air, POOH, LD 3 jts workstring. Secure well, SDFN.
- 2/21/2012 Check well, SICP - 240 psi, SITP - 0 psi, (float), Open well to flowback tank.  
PU and RIH w/ 3 jts 2 3/8" workstring, tag at 2046', 4' fill.  
Start air, establish circulation, Start mist at 12 bwph, 1200 cfm air, 500 psi.  
Wash 4' sand to CICR @ 2050', Mill on CICR, drilled thru, fell out of cement @ 2056',  
RIH, retag on Jt # 64 @ 2200' (CBP), Drill out CBP @ 2200, Only partial circulation after drilling out, RIH w/ 3 jts.  
Rack back power swivel, PU, Tally and RIH in singles, Tag at 4722' on 144 jts. 13' fill.  
POOH w/ 45 stands, Secure well, SDFN.
- 2/22/2012 Check well, SICP - 190 psi, SITP - 0 psi (string float), Open well to flowback tank.  
RIH w/ 2 3/8" tbg, Tag @ 4719', 3' additional fill. PU Power Swivel  
Start air, Attempting to Establish circ. Would not. Pump sweeps w/ foam, Pump pressure builds to 1000 psi then falls to 800 psi. No circulation. Decision to POOH w/ tbg, land well.  
RD PS, POOH w/ tbg. RD Power swivel, POOH, LD 129 jts 2-3/8" workstring.
- 2/23/2012 Check well, SICP - 180 psi, SITP - 0 psi (string float), Open well to flowback tank  
Transfer tbg, offload prod tbg  
POOH, LD 29 jts 2 3/8" tbg, LD 6 DC's and mill, transfer prod tbg to racks, tally same  
PU & RIH w/ Muleshoe, SN, 2 3/8" prod tbg. Land hangar. Total of Muleshoe (20.46), SN(1.10), 145 jts 2 3/8" J55 (4537.99), 6' pup(6.16), 8' pup (8.08), 10' pup (10.5), 1 jt 2-3/8" (31.26)P, SN at 4607', EOT @ 4628.10  
Rig down floor, tongs, ND BOP's, NU WH.  
Pump chem treatment down csg, tbg.
- 2/24/2012 0:00 Check well, SCIP - 170 psi, SITP - 0 psi.  
Change out handling equipment, PU & RIH w/ 2 x 1 1/4 x 14 x 14-3 RHAC pump, Stabilizer bar, 4 - 1 1/4" x 25' Sinker Bars, 4 - 3/4" x 25' rods guided 5/rod, 175 3/4" x 25' rods, Space out w/ 1 - 3/4" x 4' pony rod, 1 1/4" x 22' Polish Rod  
Load tbg w/ 2% KCL, Test to 500 psi, Test good. Check pump action w/ pump to 500 psi, good.  
RD Pump and lines, leave clean location.



# Wellbore Schematic

Well Name LM Barton 1B	Lease Barton, L.M.	Field Name Blanco Mesa Verde	Business Unit Mid-Continent/Alaska
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**Job Details**

Job Category	Start Date	Release Date
Major Rig Work Over (MRWO)	2/9/2012	2/24/2012

**Casing Strings**

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Set Depth (MD) (ftOTH)
Surface	8 5/8	24.00	K-55		352
Production Casing	4 1/2	11.60	J-55		4,822

**Tubing Strings**

**Tubing - Production set at 4,628.1ftOTH on 2/23/2012 11:00**

Tubing Description	Run Date	String Length (ft)	Set Depth (ftOTH)
Tubing - Production	2/23/2012	4,615.10	4,628.1

Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftOTH)
Tubing	1	2 3/8	4.70	J-55	31.26	44.3
Tubing Pup Joint	1	2 3/8	4.70	J-55	10.05	54.3
Tubing Pup Joint	1	2 3/8	4.70	J-55	8.08	62.4
Tubing Pup Joint	1	2 3/8	4.70	J-55	6.16	68.6
Tubing	145	2 3/8	4.70	J-55	4,537.99	4,606.5
Seating Nipple		2 3/8	4.70	J-55	1.10	4,607.6
Mule Shoe	1	2 3/8	4.70	J-55	20.46	4,628.1

**Rod Strings**

**Long String on 2/24/2012 08:00**

Rod Description	Run Date	String Length (ft)	Set Depth (ftOTH)
Long String	2/24/2012	4,618.00	4,606.0

Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftOTH)
Polished Rod		1-1/4			22.00	10.0
Pony Rod		3/4			4.00	14.0
Sucker Rod	175	3/4	1.63	D	4,375.00	4,389.0
Sucker Rod; 2" guided 5/per	4	3/4	1.63	D	100.00	4,489.0
Sinker Bar	4	1-1/4	4.17		100.00	4,589.0
Stabilizer bar		3/4			3.00	4,592.0
2 x 1-1/4 x 14 x 14-3 RHAC		3/4			14.00	4,606.0

**Perforations**

Date	Top (ftOTH)	Btm (ftOTH)	Shot Dens (shots/ft)	Entered Shot Total	Zone & Completion
2/17/2012	1-997.0	2-015.0	4-0	22	Fruitland-Goal-Upper-Original-Hole
1/18/2008	4-038.0	4-040.0	2-0		Menefee-Original-Hole
1/18/2008	4-090.0	4-092.0	2-0		Menefee-Original-Hole
1/18/2008	4-096.0	4-114.0	2-0		Menefee-Original-Hole
1/18/2008	4-157.0	4-162.0	2-0		Menefee-Original-Hole
	4-370.0	4-400.0	2-0	22	Point-Lookout-Original-Hole
	4-407.0	4-446.0	2-0	22	Point-Lookout-Original-Hole
	4-556.0	4-570.0	2-0	22	Point-Lookout-Original-Hole
	4-574.0	4-578.0	2-0	23	Point-Lookout-Original-Hole

**Other Strings**

Run Date	Pull Date	Set Depth (ftOTH)	Com