

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-2100 Fax (303) 894-2109



FOR OGCC USE ONLY



DRILLING COMPLETION REPORT

This form is to be submitted within (30) days of a well's completion. If the well is deepened or sidetracked, a new Form 5 will be required. If an attempt has been made to complete/produce a well, then the operator shall submit Form 5A (Completed Interval Report). If the well has been plugged, submit Form 6 (Well Abandonment Report.)

Complete the Attachment Checklist

1. OGCC Operator Number: 26400 50150
 2. Name of Operator: Lance Oil & Gas Company, Inc.
 3. Address: 1099 18th St Suite 1200
 City: Denver State: CO Zip: 80202
 4. Contact Name & Telephone: Russell Branting
 No: 303 252-6234
 Fax: 303 450-6927

5. API Number: 05-083-06069 6. County: Moffatt
 7. Well Name: Olson Well Number: 4-27
 8. Location (QtrQtr, Sec, Twp, Rng, Meridian): NWNW Sec 27 T9N-R43W 6th
 Footage at Surface: 457' FNL 1150 FWL 9. Was a directional survey run? Y N
 If directional, footage at Top of Prod. Zone: _____
 If directional, footage at Bottom Hole: _____
 10. Field Name: Wildcat Field Number: 99999
 11. Federal, Indian or State Lease Number: 0

Survey Plat		
Directional Survey		
Surface Equipment Diagram		
Technical Information Page		
Other		

15. Well Classification RND

Dry Oil Gas
 Coalbed
 Stratigraphic Disposal
 Enhanced Recovery
 Gas Storage Observation
 Other: _____

12. Spud Date: 12/01/03 13. Date TD: 12/03/03 14. Date Completed or D&A: 12/17/03
 16. Total Depth MD 2523' TVD _____ 17. Plug Back Total MD 2451' TVD _____
 18. Was a Mud Log Run? Yes No 19. Elevations GR 3634 KB 3640
 ** One copy of all electric and mud log runs must be submitted. **
 20. List Electric Logs Run: Array Induction/ GR/ CNL/ LDT/ CAL/ Dipole Sonic

21. **CASING, LINER and CEMENT**

Submit contractor's cement job summary for each string cemented.

String	Hole Size	Csg/Liner Size	Csg/Liner Wt (Lbs.)	Csg/Liner Top	Csg/Tool Setting Depth	No. of Sacks	Cement Interval		Identify Method	
							Top	Bottom	CBL	Calc
Surface	12 1/4"	8 5/8	24#	Surface	444'	320	Surface	444'	<input type="checkbox"/>	<input type="checkbox"/>
Production	6 1/4"	4 1/2	11.6#	Surface	2500	100	1390'	2500'	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Stage Cement									<input type="checkbox"/>	<input type="checkbox"/>
Stage Cement									<input type="checkbox"/>	<input type="checkbox"/>
Stage Cement									<input type="checkbox"/>	<input type="checkbox"/>
Stage Cement									<input type="checkbox"/>	<input type="checkbox"/>
Stage Cement									<input type="checkbox"/>	<input type="checkbox"/>
Stage Cement									<input type="checkbox"/>	<input type="checkbox"/>
Stage Cement									<input type="checkbox"/>	<input type="checkbox"/>

22. **FORMATION LOG INTERVALS and TEST ZONES**

Formation	Measured Depth		Check if applies		*** All DST and Core analysis must be submitted to COGCC. *** Comments
	Top	Bottom	DST	Cored	
Sharon Springs	2306		<input type="checkbox"/>	<input type="checkbox"/>	
Niobrara	2354				
Smoky Hill	2395				

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.
 Print Name: Russell Branting
 Signed: Russell Branting Title: Sr. Petroleum Engineer Date: 04/29/04

WESTERN GAS RESOURCES, INC.
COMPOSITE REPORT



Olson 4-27
NWNW, 457' FNL, 1150' FWL
Sec. 27-T9N-R43W

AFE: 603950
API: 05-081-06069
Moffat County, CO

- 12-02-03 **Day 1:** MIRU Excell Rig #10. Mix spud mud. Drill Rat & Mouse hole. Problems getting kelly sock in rat hole. Spud 12.25" hole and drill to 444'. (Hit gravel @ 30' and 1st shale @ 388'). Circulate. Drop survey (Survey was 3/4 degrees @ 444') TOOH. Run 11 joints 8.625", 24#, ST&C J55 casing (434.44' Thds Off). Break off top collar. MU landing joint & land casing @ 440' KB. RU Cementer's Well Service, Inc.. Pump 22 BW ahead followed by 320 sacks neat cement with 3% CaCl and 1/4#/sk flocele. Mixed @ 15.2 ppg, 1.18 cf/sk yield. Displaced with 27 BW. Full Returns. 5 bbls cement to surface. No fallback. Cement in place @ 0400. RD Cementer. WOC.
- 12-03-03 **Day 2:** WOC. NU BOPs. TIH w/BHA #2. Test BOPE to 400 psi for 30 minutes. Tag cement @ 420'. DO cement & new 6.25" hole from 444 to 690' (246' in 1.5 hrs = 164 fph). Teledrift @ 690' = 1 degree. Drill from 690' to 939' (249' in 1.25 drill hrs = 199.2 fph). Work boot off pipe. Circulate. Teledrift @ 939' = 1 degree. Jet shale pit. Drill from 939' to 1188' (249' in 1.25 drill hrs = 199.2 fph). Teledrift Survey (15 minutes) @ 1188' = 1 degree. Drill from 1188 to 1344 (156' in 1 hr = 156 fph). Rig Service. Drill from 1344 to 1439' (95' in 3/4 drill hrs = 126.7 fph). Teledrift survey (15 minutes) @ 1439' = 2 degrees. Drill from 1439 to 1684' (245' in 1.25 drill hrs = 196 fph). Teledrift Survey (15 minutes) @ 1684' = 1 degree. Drill from 1684' to 1932' (248' in 1.5 drill hrs = 165 fph). Teledrift Survey (15 minutes) @ 1932 = 2 degrees. Drill from 1932 to 2151 (219' in 1.75 drill hrs. = 125 fph). Jet pits. Roll hole w/water. Mud up to 3% KCL system using 70 sx KCl, 35 sx starch, 2 sx Drispac, 2 pales polymer. MW = 8.8 ppg, viscosity = 35. Drill from 2151 to 2212 (61' in .5 drill hrs = 122 fph). Teledrift survey (15 minutes) @ 2212' = 3 degrees. Drill from 2212 to 2430 (218' in 1.5 drill hrs. = 145 fph. 2 Teledrift Surveys (15 min/each) @ 2305 & 2399 = 3 degrees. Teledrift Surveys: 690' = 1 deg., 939' = 1 deg., 1188' = 1 deg., 1439k' = 2 deg., 1684' = 1 deg., 1932' = 2 deg., 2212' = 3 deg., 2305' = 3 deg., 2399' = 3 deg.
- 12-04-03 **Day 3:** Drill from 2430 to 2523 (93' in 1 hr = 93 fph). Circulate. Short trip 5 stands to 2180. Circulate. Take Teledrift Survey = 2 degrees. Drop single shot (Totco Survey = 3 degrees). POOH & LD pipe w/no problems (6K normal drag). RU Schlumberger & log (1 run triple combo: AIT, Den/Neu. 41' tool, 2nd run dipole sonic w/2 passes - 71' tool). RD Schlumberger. ND BOPs & NU casinghead. MU float shoe, shoe joint w/insert plug latch & 59 additional joints 4.5", 11.6#, J55, LT&C casing (60 jts. = 2,492.09'). Run casing w/no problems landing @ 2,500' KB, Insert @ 2455, Marker @ 2231. Centralized jts number 1,3,5,7,9,12. Scratchers on jts number 2,4,6,8,10,11,13. Circulate and WO cementers RU Cementers. Pump 10 bbls Mud Flush, mix and pump 100 sacks 50/50 POZ w/10% salt & 2% gel. Mixed at 14.1 ppg, 1.26 Yield. Displace w/38 bbls 2+ % KCL. Reciprocate last 2/3 of displacement. Plug bumped w/550 psi over final displacement pressure of 500 psi. FTR = 4 BPM. Utilized only top latch down wiper plug. Plug held. Full returns throughout job. Set slips. Pull rat & mouse sleeves and cement each w/10 sacks cement. RD Cementers. **RIG RELEASE @ 12:15 A.M. ON DECEMBER 4, 2003.**
- 12-19-03 MIRU Nuex Wireline. RU CBL/GR and bond log well. Bond log well from logger's bottom of 2,451' (PBTD) to surface. Absolute TOC @ 1,390'. Marker joint from 2,232+ to 2,253+. Mostly good bond. Bond less than 100% from 2,150 to 2,320 ft. and 1,500 to 1,600'. RD Nuex. NU flanged top wellhead with tubing threaded top hanger flange. Deliver Larkin tubing head back to WB Supply in Fort Morgan. Note: Rat and Mouse hole were cemented by rig w/10 sacks each but cement fell and both holes still open. Fluid level left 20' below GL.
- 12-30-03 MIRU Excel Rig #12. Set Deadmen and offload 81 joints (2,523.58 ft. Thds Off) of 2.375", 4.7#, J55 tubing. Wait on hydrotester to pressure test casing MIRU Cable, Inc. Pressure test casing to 2,500 psi for 30 minutes. RDMO Cable. MU 'R' Nipple on tubing and TIH. RU swab and swab well to pit dropping FL to 1,850' (WL depth). POOH & LD 'R' nipple. WO WL to perforate RU Nuex Wireline to perforate Smokey Hill member of Niobrara. IFL when running in guns @ 1,850'. FFL following perforating @ 1,760'. Perforate 2,356 to 2,364' (8 ft) at 6 spf, 60 degree phasing with 3-1/8" 'slick gun' (expendable hollow carrier) loaded with 16 gram charges. 0.43" diameter holes, 17.75" penetration. 48 holes shot, all fired. Well gassing slightly. RD Nuex. NU wellhead and master valve. SWIFN.

- 12-31-03 SICIP = 135# (15.5 hour build-up). Bleed off in 1 minute through 2" valve. MU NC on 1 jt. tbg, 1.87" 'XN' nipple, 1 jt. tbg., Arrow-Set Packer, 1.87" 'X' Nipple & 73 jts. 2.375", 4.7#, J55, EUE tubing & TIH to 2,346' KB. Set packer and install slip type tubinghead cap & NU wellhead. WO Maverick to finish with breakdown on Schlacter #13-22 well. MIRU Maverick. Difficulty pressure testing due to leakoff through Maverick's pump and various valves. Eventual pressure test to 3,000 psi. Load hole with 6.5 bbls. Formation broke with 1200 psi. Increase rate to maximum of 5 BPM @ ATP of 1,360 psi. Pumped a total of 33 bbls. ISIP = 340 psi. Well on vacuum in 5 minutes. All fluid fresh water mixed to a 3% KCL ("substitute") concentration and 1/2# per 32 bbls of biocide. (BLTR = 33 bbls). RD Maverick. RU to swab. Swab well with 6 total runs recovering estimated 8 bbls to pit with mild gas blow after last 3 runs. IFL @ 100' pulling 1,100'. 2nd run FL @ 1,200' pulled from 'X'. 3rd run could not feel FL and no recovery. Last 3 runs FLs between 2,200 to 2,050 with 20 to 150' of recovery. RD Swab. (Estimate of BLTR = 25 bbls). RU Northern Lights. MU tandem electronic silicon quartz pressure gages & Microsmart electronic SI tool on 1.87" X-Lock running tool., 1.5" spang jars & 10' of 1.5" sinker bars. Slickline bombs & SI tool to 'X' nipple & attempt to set. Unable to set tools. POOH & redress running tool. Rerun bombs & SI tool & set in 'X' Nipple @ 2,274' KB. SI tool programmed to close @ 17:10 on 12/30/03 & open @ 05:10 on Wednesday 1/7/04. POOH & RD Northern Lights. Install flow prover w/0.125" plate to monitor gas flow. Gas flow increases slowly to max of 3.0 MCFGD. Swab well w/2 runs first tagging FL @ 2,080 and recovering 100 ft, and 2nd run undetectable FL and no recovery. Continue to test rate thru flow prover w/0.0625" plate until tool SI. Rate gradually and steadily increased from 1.5 to 3.0 MCFGD until tool SI. RD flow prover and SI well at surface w/slight blow still on tubing for 7 day build-up.
- 01-01-04 RDMO pulling unit. Well SI for 7 day build-up.
- 01-08-04 Road in Excell Rig #9 from Schlacter #13-22. Set temporary deadmen and RU pulling unit. RU Northern Lights slickline & RIH w/pulling tool. Release SI tool & bombs & POOH w/same. RDMO slickline unit. From BHP gage readings, Final BHP = 611 psi. Max Recorded Temp = 112 degrees F. Bleed off TP in 2 minutes and RU to release pkr. & pull tubing. Release Arrow-Set Pkr. w/no problems. LD 2 jts tubing & POOH. LD packer. TIH w/NC, 1 jt, 1.87" 'XN' nipple, 1 jt, 1.87" 'X' nipple, 71 jts tubing, Blast joint. (EOT = 2,284' KB). Install stripping rubber, flanged hanger style tubinghead cap & 5K orbit valve w/gage. SWIFN. Prepare to RDMO tomorrow (1/8/04). Wait on Frac. NOTE: 8 joints, 2.375", 4.7#, J55, EUE tubing on seals by wellhead (249.01' Thds. Off). Prior to Frac, check tightness of orbit valve and tubinghead cap (blowing snow & icy conditions @ nipple up). Lance O&G owned flanged, slip-type tubinghead cap returned to WB Supply in Ft. Morgan on 1/8/04. Packer returned to Mountain States Oil Tools in Platteville on 1/08/04.
- 02-18-04 Flowback well within 10 mins of 15 min SI. LRTB-568 bbls Flowback well on 16/32" choke. SICIP-325 psi SITP-> 600 psi. Flowback well on 16/32" choke. SICIP-225 psi SITP-> 600 psi. 15.8 bph Flowback well on 16/32" choke. SICIP-280 psi SITP-> 600 psi. 9.1 bph Flowback well on 16/32" choke. SICIP-460 psi SITP-600 psi. 3.3 bph Flowback well on 16/32" choke. SICIP-460 psi SITP-575 psi. 2.5 bph Flowback well on 16/32" choke. SICIP-450 psi SITP-525 psi. 7.5 bph Flowback well on 16/32" choke. SICIP-525 psi SITP-400 psi. 3.3 bph Flowback well on 16/32" choke. SICIP-580 psi SITP-360 psi. 5.0 bph Flowback well on 16/32" choke. SICIP-560 psi SITP-340 psi. 8.4 bph Flowback well on 16/32" choke. SICIP-540 psi SITP-330 psi. 6.7 bph Flowback well on 16/32" choke. SICIP-530 psi SITP-320 psi. 5.0 bph RLTBR-408 bbls
- 02-19-04 Flowback well on 20/32" choke. SICIP-350 psi SITP-190 psi. Flowback well on 20/32" choke. SICIP-340 psi SITP-180 psi. 5.5 bph. Flowback well on 20/32" choke. SICIP-330 psi SITP-180 psi. 5.5 bph. Flowback well on 20/32" choke. SICIP-320 psi SITP-170 psi. 10 bph. Flowback well on 20/32" choke. SICIP-320 psi SITP-180 psi. 10 bph. Flowback well on 20/32" choke. SICIP-300 psi SITP-175 psi. 10 bph. Flowback well on 20/32" choke. SICIP-290 psi SITP-175 psi. 5 bph. Flowback well on 20/32" choke. SICIP-305 psi SITP-180 psi. 5 bph.
- 02-20-04 Flowback well on 20/32" choke. SICIP-305 psi SITP-180 psi. Flowback well on 20/32" choke. SICIP-290 psi SITP-170 psi. 197 MCF 5 bph. Flowback well on 32/32" choke. SICIP-290 psi SITP-175 psi. 182 MCF 45 bph. Flowback well on 20/32" choke. SICIP-230 psi SITP-80 psi. 55 bph. Flowback well on 20/32" choke. SICIP-280 psi SITP-170 psi. 170 MCF 4.2 bph. Flowback well on 20/32" choke. SICIP-290 psi SITP-175 psi. 190 MCF 4 bph. Flowback well on 20/32" choke. SICIP-305 psi SITP-180 psi. 190 MCF 3 bph.

02-21-04 Flowback well on 20/32" choke. SICP-305 psi SITP-180 psi. 190 MCF 3 bph
Flowback well on 20/32" choke. SICP-290 psi SITP-170 psi. 190 MCF 3 bph .
Flowback well on 20/32" choke. SICP-290 psi SITP-175 psi. 190 MCF 2.5 bph
Flowback well on 20/32" choke. SICP-260 psi SITP-1450 psi. 170 MCF 2.5 bph.
Flowback well on 20/32" choke. SICP-260 psi SITP-145 psi. 190 MCF. Tank is too slick to gauge.

02-22-04 Flowback well on 20/32" choke. SICP-245 psi SITP-110 psi. 160 MCF
Flowback well on 20/32" choke. SICP-255 psi SITP-115 psi. 175 MCF. Tank is too slick to gauge--will be cleaned Monday AM.

02-23-04 Flowback well on 3/4" plate. SICP-255 psi SITP-115 psi. 158 MCF.

02-24-04 Flowback well on 3/4" plate. SICP-255 psi SITP-115 psi. 158 MCF 3 BPH.
Flowback well on 3/4" plate. SICP-255 psi SITP-115 psi. 158 MCF 5 BPH drain tank to pit. Flowback well on 3/4" plate. SICP-255 psi SITP-110 psi. 154 MCF 3 BPH. Flowback well on 3/4" plate. SICP-250 psi SITP-115 psi. 154 MCF 3 BPH. TLR-699 bbls. 131 bbls over load.

02-25-04 20/64" choke 0730 Flowback well on 3/4" plate. SICP-250 psi SITP-110 psi. 150 MCF 3 BPH 0830 32/64" choke 1030 Flowback well on 3/4" plate. SICP-240 psi SITP-110 psi. 156 MCF 4 BPH. 1130 Flowback well on 3/4" plate. SICP-220 psi SITP-60 psi. 160 MCF 3 BPH. 1230 Flowback well on 3/4" plate. SICP-215 psi SITP-60 psi. 160 MCF 3 BPH. 1330 Flowback well on 3/4" plate. SICP-210 psi SITP-60 psi. 162 MCF 3 BPH. 1430 Flowback well on 3/4" plate. SICP-210 psi SITP-60 psi. 162 MCF 4 BPH 1530 Flowback well on 3/4" plate. SICP-210 psi SITP-65 psi. 160 MCF 3 BPH 1630 Flowback well on 3/4" plate. SICP-210 psi SITP-60 psi. 160 MCF 3 BPH TFR-769 bbls 201 bbls over load.

02-26-04 32/64" choke 0700 Flowback well on 3/4" plate. SICP-210 psi SITP-60 psi. 152 MCF 3 BPH .

02-27-04 32/64" choke
0700 Flowback well on 3/4" plate. SICP-210 psi SITP-50 psi. 150 MCF 2.6 BPH
0800 Flowback well on 3/4" plate. SICP-210 psi SITP-50 psi. 150 MCF 2.5 BPH
0900 RU Cable SL, tag sd at 2,430'. RD same. NU wtr mtr. SICP-325 psi SITP-325 psi.
0900 Flowback well on 3/4" plate. SICP-215 psi SITP-60 psi. 168 MCF 2 BPH
1000 Flowback well on 3/4" plate. SICP-210 psi SITP-55 psi. 165 MCF 2.3 BPH
1100 Flowback well on 3/4" plate. SICP-210 psi SITP-55 psi. 151 MCF 3.2 BPH
1200 Flowback well on 3/4" plate. SICP-210 psi SITP-55 psi. 151 MCF 2.5 BPH
1800 Flowback well on 3/4" plate. SICP-210 psi SITP-55 psi. 142 MCF 3.1 BPH

02-28-04 32/64" choke
1000 Flowback well on 3/4" plate. SICP-205 psi SITP-50 psi. 134 MCF 2.8 BPH
1200 Flowback well on 3/4" plate. SICP-205 psi SITP-50 psi. 139 MCF 2.7 BPH
1830 Flowback well on 3/4" plate. SICP-205 psi SITP-50 psi. 136 MCF 2.6 BPH

02-29-04 32/64" choke
1000 Flowback well on 3/4" plate. SICP-205 psi SITP-40 psi. 128 MCF 2.7 BPH
1200 Flowback well on 3/4" plate. SICP-205 psi SITP-55 psi. 129 MCF 3 BPH
1830 Flowback well on 3/4" plate. SICP-205 psi SITP-40 psi. 131 MCF 2.7 BPH
TLR-1100 bbls 532 bbls over load.

03-01-04 32/64" choke
1300 Flowback well on 3/4" plate. SICP-210 psi SITP-50 psi. 121 MCF 1.9 BPH well is loading up.
1400 Flowback well on 3/4" plate. SICP-210 psi SITP-55 psi. 127 MCF 3 BPH
1500 Flowback well on 3/4" plate. SICP-210 psi SITP-55 psi. 127 MCF 3 BPH
1600 Flowback well on 3/4" plate. SICP-205 psi SITP-55 psi. 127 MCF 4 BPH

03-02-04 32/64" choke
0630 Flowback well on 3/4" plate. SICP-205 psi SITP-50 psi. 128 MCF 2.6 BPH
TLR-1187 bbls 619 bbls over load.

03-03-04 16/64" choke
0700 Flowback well on 3/4" plate. SICP-280 psi SITP-105 psi. 34 Diff 22 static 114 MCF 1.8 BPH TLR-1230 bbls. 662 bbls over load.
0800 Flowback well on 3/4" plate. SICP-280 psi FTP-115 psi. 34 Diff 22 static 114 MCF 2 BPH
0900 Flowback well on 3/4" plate. SICP-275 psi FTP-110 psi. 32 Diff 22 static 109 MCF 1 BPH
1000 Flowback well on 3/4" plate. SICP-280 psi FTP-105 psi. 32 Diff 21 static 109 MCF 2 BPH

1100 Flowback well on 3/4" plate. SICP-275 psi FTP-105 psi. 32 Diff 21 static
 109 MCF 2 BPH install 48/64"
 1200 Flowback well on 3/4" plate. SICP-200 psi FTP-140 psi. 31 Diff 26 static
 120 MCF 3 BPH
 1300 Flowback well on 3/4" plate. SICP-195 psi FTP-40 psi. 31 Diff 27 static
 132MCF 3 BPH
 1400 Flowback well on 3/4" plate. SICP-195 psi FTP-40 psi. 31 Diff 27 static
 132MCF 3 BPH
 1500 Flowback well on 3/4" plate. SICP-190 psi FTP-40 psi. 31 Diff 27 static
 132MCF 3 BPH.
 1600 Flowback well on 3/4" plate. SICP-190 psi FTP-40 psi. 31 Diff 27 static
 132MCF 3 BPH TLR-1254 bbls 686 bbls over load.

03-04-04 48/64" choke
 0700 Flowback well on 3/4" plate. SICP-190 psi FTP-40 psi. 33 Diff 27 static
 125 MCF 2.6 BPH
 0800 SI at 0805 hrs. RU Cable SL and Protechnics. RIH w/ Spectra-Scan log. Log interval from 2430-2000'
 0900 Field review indicates frac stayed in zone w/ minimal growth. RD same.
 1000 SICP-420 psi. SITP-350 psi.
 1100 Flowback well on 3/4" plate. SICP-200 psi FTP-45 psi. 32 Diff 30 static
 130 MCF 4 BPH
 1200 Flowback well on 3/4" plate. SICP-195 psi FTP-45 psi. 33 Diff 30 static
 132 MCF 3 BPH
 1300 Flowback well on 3/4" plate. SICP-195 psi FTP-45 psi. 33 Diff 28 static
 127 MCF 3 BPH
 1400 Flowback well on 3/4" plate. SICP-195 psi FTP-40 psi. 32 Diff 28 static
 126 MCF 2 BPH
 1500 Flowback well on 3/4" plate. SICP-195 psi FTP-40 psi. 32 Diff 28 static
 126 MCF 2 BPH
 1600 Flowback well on 3/4" plate. SICP-190 psi FTP-40 psi. 32 Diff 28 static
 126 MCF 3 BPH TLR-1310 bbls 742 bbls over load.

03-05-04 48/64" choke
 0700 1.0 Flowback well on 3/4" plate. SICP-190 psi FTP-40 psi. 31 Diff 27 static
 122 MCF 2.6 BPH
 0800 1.0 Flowback well on 3/4" plate. SICP-190 psi FTP-40 psi. 31 Diff 26 static
 120 MCF 3 BPH
 0900 1.0 Flowback well on 3/4" plate. SICP-190 psi FTP-40 psi. 31 Diff 26 static
 120 MCF 3 BPH
 1000 1.0 Flowback well on 3/4" plate. SICP-190 psi FTP-40 psi. 31 Diff 26 static
 120 MCF 2 BPH
 1800 8.0 Flowback well on 3/4" plate. SICP-190 psi FTP-40 psi. 31 Diff 26 static
 122 MCF 2.6 BPH

03-06-04 48/64" choke
 0830 Flowback well on 3/4" plate. SICP-190 psi FTP-35 psi. 29 Diff 26 static
 117 MCF 2.4 BPH
 1200 3.5 Flowback well on 3/4" plate. SICP-190 psi FTP-35 psi. 30 Diff 26 static
 119 MCF 2.3 BPH
 1800 6.0 Flowback well on 3/4" plate. SICP-190 psi FTP-35 psi. 29 Diff 27 static
 119 MCF 2.3 BPH

03-07-04 48/64" choke
 0730 Flowback well on 3/4" plate. SICP-190 psi FTP-35 psi. 27 Diff 26 static
 114 MCF 2.4 BPH
 1230 Flowback well on 3/4" plate. SICP-190 psi FTP-35 psi. 30 Diff 27 static
 121 MCF 2.4 BPH
 1830 Flowback well on 3/4" plate. SICP-190 psi FTP-35 psi. 29 Diff 26 static
 117 MCF 2.3 BPH TLR-1491 bbls 923 bbls over load.

03-08-04 48/64" choke
 1000 Flowback well on 3/4" plate. SICP-185 psi FTP-30 psi. 30 Diff 26 static
 118 MCF 2.2 BPH
 1100 Flowback well on 3/4" plate. SICP-185 psi FTP-30 psi. 30 Diff 26 static
 118 MCF 2 BPH
 1200 Flowback well on 3/4" plate. SICP-185 psi FTP-30 psi. 30 Diff 26 static
 118 MCF 2.5 BPH
 1300 Flowback well on 3/4" plate. SICP-185 psi FTP-30 psi. 30 Diff 26 static
 118 MCF 2.5 BPH
 1400 Flowback well on 3/4" plate. SICP-185 psi FTP-30 psi. 30 Diff 26 static
 118 MCF 2 BPH

	1500 Flowback well on 3/4" plate. SICP-185 psi FTP-30 psi. 30 Diff 26 static
	118 MCF 2 BPH
	1600 Flowback well on 3/4" plate. SICP-185 psi FTP-30 psi. 30 Diff 26 static
	118 MCF 2 BPH TLR-1540bbls 972 bbls over load.
03-09-04	48/64" choke
	0700 Flowback well on 3/4" plate. SICP-185 psi FTP-29 psi. 29 Diff 26 static
	117 MCF 2.2 BPH
	0800 Flowback well on 3/4" plate. SICP-185 psi FTP-29 psi. 29 Diff 26 static
	117 MCF 2 BPH
	0900 Flowback well on 3/4" plate. SICP-185 psi FTP-29 psi. 29 Diff 26 static
	117 MCF 2 BPH
	1000 Flowback well on 3/4" plate. SICP-185 psi FTP-29 psi. 29 Diff 26 static
	117 MCF 2 BPH
	1100 Flowback well on 3/4" plate. SICP-185 psi FTP-29 psi. 29 Diff 25 static
	118 MCF 2 BPH
	1200 Flowback well on 3/4" plate. SICP-185 psi FTP-29 psi. 29 Diff 25 static
	118 MCF 3 BPH
	1300 Flowback well on 3/4" plate. SICP-185 psi FTP-29 psi. 29 Diff 25 static
	118 MCF 2 BPH
	1400 Flowback well on 3/4" plate. SICP-185 psi FTP-29 psi. 29 Diff 26 static
	118 MCF 2 BPH
	1500 Flowback well on 3/4" plate. SICP-185 psi FTP-29 psi. 29 Diff 26 static
	118 MCF 2 BPH
	1600 Flowback well on 3/4" plate. SICP-185 psi FTP-29 psi. 29 Diff 26 static
	118 MCF 2 BPH TLR-1600 bbls 1032 bbls over load.
03-10-04	48/64" choke
	0700 Flowback well on 3/4" plate. SICP-185 psi FTP-30 psi. 28 Diff 26 static
	116 MCF 2.1 BPH
	0800 Flowback well on 3/4" plate. SICP-185 psi FTP-30 psi. 28 Diff 26 static
	116 MCF 2 BPH
	0900 Flowback well on 3/4" plate. SICP-185 psi FTP-30 psi. 28 Diff 26 static
	116 MCF 2 BPH
	1000 Flowback well on 3/4" plate. SICP-185 psi FTP-30 psi. 28 Diff 26 static
	116 MCF 2.5 BPH
	1100 Flowback well on 3/4" plate. SICP-185 psi FTP-30 psi. 28 Diff 26 static
	116 MCF 2 BPH
	1200 Flowback well on 3/4" plate. SICP-185 psi FTP-30 psi. 28 Diff 25 static
	116 MCF 2 BPH
	1300 Flowback well on 3/4" plate. SICP-185 psi FTP-30 psi. 28 Diff 25 static
	116 MCF 2 BPH
	1400 Flowback well on 3/4" plate. SICP-185 psi FTP-30 psi. 28 Diff 25 static
	116 MCF 2 BPH
	1500 Flowback well on 3/4" plate. SICP-185 psi FTP-30 psi. 28 Diff 25 static
	116 MCF 2 BPH
	1600 Flowback well on 3/4" plate. SICP-185 psi FTP-30 psi. 28 Diff 25 static
	116 MCF 2 BPH TLR-1651 bbls 1083 bbls over load.
03-11-04	48/64" choke
	0700 Flowback well on 3/4" plate. SICP-185 psi FTP-30 psi. 27 Diff 24 static
	110 MCF 2.1 BPH
	0800 Flowback well on 3/4" plate. SICP-185 psi FTP-30 psi. 26 Diff 24 static
	108 MCF 2 BPH
	0900 Flowback well on 3/4" plate. SICP-185 psi FTP-30 psi. 26 Diff 24 static
	108 MCF 2 BPH
	1000 Flowback well on 3/4" plate. SICP-185 psi FTP-30 psi. 26 Diff 24 static
	108 MCF 2.5 BPH
	1100 Flowback well on 3/4" plate. SICP-185 psi FTP-30 psi. 26 Diff 24 static
	108 MCF 2 BPH
	1200 Flowback well on 3/4" plate. SICP-185 psi FTP-30 psi. 26 Diff 24 static
	108 MCF 2 BPH
	1300 Flowback well on 3/4" plate. SICP-185 psi FTP-30 psi. 26 Diff 24 static
	108 MCF 2 BPH
	1400 Flowback well on 3/4" plate. SICP-185 psi FTP-30 psi. 26 Diff 24 static
	108 MCF 2 BPH
	1500 Flowback well on 3/4" plate. SICP-185 psi FTP-30 psi. 26 Diff 24 static
	108 MCF 2 BPH
	1600 Flowback well on 3/4" plate. SICP-185 psi FTP-30 psi. 26 Diff 24 static
	108 MCF 2 BPH TLR-1702 bbls 1134 bbls over load.
03-12-04	48/64" choke

0700 Flowback well on 3/4" plate. SICP-180 psi FTP-30 psi. 25 Diff 23 static
 105 MCF 2 BPH
 0800 Flowback well on 3/4" plate. SICP-180 psi FTP-30 psi. 25 Diff 23 static
 105 MCF 2 BPH
 0900 SI, RU Northern Lights SL and lub. RIH and soft set pressure bombs in XN.
 1000 POH and RD same.
 1100 Open to flow at 1100 hrs.
 1200 Flowback well on 3/4" plate. SICP-190 psi FTP-30 psi. 25 Diff 24 static
 107 MCF 1.6 BPH
 1300 Flowback well on 3/4" plate. SICP-180 psi FTP-30 psi. 25 Diff 23 static
 105 MCF 2 BPH. Shut well in at 1300 hrs for 10 day pressure buildup.

03-13-04

Start	End	Hrs	SI for pressure buildup tbg/csg
3/13/04			470/475 psi
3/14/04			480/485 psi
3/15/04			490/490 psi
3/16/04			495/500 psi
3/17/04			500/505 psi
3/18/04			505/510 psi
3/19/04			510/515 psi
3/20/04			515/515 psi
3/21/04			520/520 psi
3/22/04			520/520 psi
3/23/04			RU Northern Lights SL. RIH and latch onto bombs. Never saw fluid level. POH w/ same and RD. Pri-355 psia while SI running bombs on 3/12/04. PRI-197 psia after 2 hour flow period on 3/12/04. 107 MCFD 1.6 BWPD FTP-30 psi SICP-180 psi. Pres-566.3 psia 113 degrees--after 259 hr build up. Psurf-524 psia. Well shut-in--no pipeline.