

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised March 25, 1999

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO.

30-045-23204

5. Indicate Type of Lease

STATE FEE ☒

State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name:

Lopez Gas Com

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

Amoco Production Company

Attn: Mary Corley

8. Well No.

1

3. Address of Operator

P.O. Box 3092 Houston, TX 77253

9. Pool name or Wildcat

Basin Dakota & Blanco Mesaverde

4. Well Location

Unit Letter D 800 feet from the North line and 1015 feet from the West line

Section 02 Township 29N Range 09W NMPM San Juan County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)

5611'

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

OTHER: Complete Mesaverde & Downhole Commingle ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

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. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Amoco Production Company request permission to complete the subject well into the Blanco Mesaverde and commingle production downhole with the existing Basin Dakota Pool as per the attached procedure.

The Basin Dakota (71599) & the Blanco Mesaverde (72319) Pools are Pre-Approved for Downhole Commingling per NMOCD Order R - 11363. The working and overriding royalty interest owners in the proposed commingled pools are not identical, and are, therefore being notification of this application via certified mail (return receipt).

Production is proposed to be allocated based on the subtraction method using the projected future decline for production from the Dakota. That production shall serve as a base for production subtracted from the total production for the commingled well. The balance of the production will be attributed to the Mesaverde. Attached is the future production decline estimates for the Dakota.

Commingling Production Downhole in the subject well from the proposed pools with not reduce the value of the total remaining production.

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

SIGNATURE Mary Corley TITLE Sr. Regulatory Analyst DATE 07/11/2001

Type or print name Mary Corley Telephone No. 281-366-4491

(This space for State use)

APPROVED BY Original Signed by STEVEN A. HAYDEN TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 28 DATE JUL 16 2001

Conditions of approval, if any:

District I
1675 N. French Dr., Hobbs, NM 88240

District II
811 South First, Artesia, NM 88210

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

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised August 15, 2000

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-23204		² Pool Code 72319		³ Pool Name Blanco Mesaverde	
⁴ Property Code 000810		⁵ Property Name Lopez Gas Com			⁶ Well Number 1
⁷ OGRID No. 000778		⁸ Operator Name Amoco Production Company			⁹ Elevation 6770'

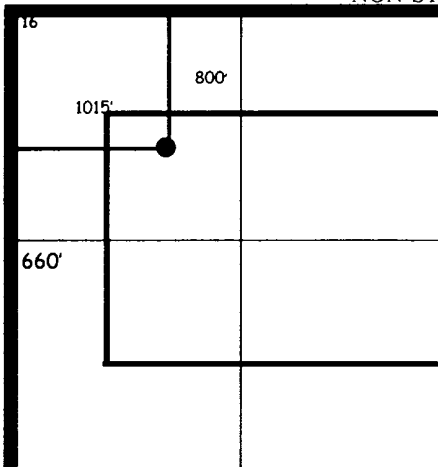
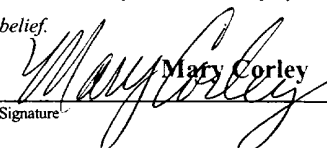
¹⁰ Surface Location			
UL or lot no.	Section	Township	Range
Unit D	02	29N	09W

Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	800'	North	1015'	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 324	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

¹⁶ 						¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature Printed Name Mary Corley Title Sr. Regulatory Analyst Date 07/11/2001
						¹⁸ SURVEYOR CERTIFICATION 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. 08/07/1978 Date of Survey Signature and Seal of Professional Surveyor: Fred B Kerr Jr 3950 Certificate Number

Lopez GC #1 Recompletion Procedure

Procedure:

1. Check anchors. MI RU workover rig.
2. Check and record tubing, casing, and bradenhead pressures.
3. Blow down well. Kill with 2% KCL water ONLY if necessary.
4. Nipple down WH. NU BOPs.
5. Tag for fill and tall ROH with 2-3/8" production tubing currently set at 6717'.
6. TIH with bit and scraper for 4-1/2" casing to 5050'.
7. TIH with tubing-set CIBP. Set CIBP at 5050'. Load hole with 2% KCL.
8. RU WL. Run CBL over MV interval (3700' - 5000') to ensure zonal isolation across the MV.
9. Pressure test casing to 1500 psi
10. RIH with 3-1/8" casing guns. Perforate Point Lookout formation (correlate to GR log).
4510', 4514', 4522', 4530', 4536', 4542', 4549', 4560', 4577', 4597', 4604', 4614', 4623',
4630', 4649', 4660', 4693', 4712', 4752', 4770', 4784', 4810', 4830', 4849', 4882', 4896'
11. RU frac equipment and install wellhead isolation tool. Use 2% KCL-N2 foam in fracture stimulation.
12. Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule.
13. Immediately after frac job, RU WL unit and lubricator.
14. RIH and set CIBP between Point Lookout and Menefee at 4460'.
15. RIH with 3-1/8" casing guns. Perforate Menefee formation (correlate to GR log).
4168', 4196', 4202', 4212', 4222', 4254', 4260', 4322', 4334', 4338', 4356', 4360', 4412',
4424', 4443', 4448'
16. RU frac equipment and install wellhead isolation tool. Use 2% KCL/N2 foam in fracture stimulation.
17. Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule.
18. Immediately after frac job, RU WL unit and lubricator.
19. RIH and set CIBP between Point Lookout and Menefee at 4050'.
20. RIH with 3-1/8" casing guns. Perforate Cliffhouse/Lower Lewis formation (correlate to GR log).
3814', 3822', 3844', 3870', 3893', 3903', 3912', 3914', 3924', 3928', 3935', 3942', 3956',
3962', 3974', 3980', 3989', 3998', 4003', 4023', 4028'
21. RU frac equipment and install wellhead isolation tool. Use 2% KCL/N2 foam in fracture stimulation.
22. Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule.
23. Flowback frac immediately.
24. TIH with tubing and bit. Cleanout fill and drill bridge plugs set at 4050', 4460', and 5050'. Cleanout fill to PBTD at 6770'. Blow well dry at PBTD.
25. Land 2-3/8" production tubing at 6615'.
26. ND BOP's. NU WH. Test well for air. Return well to production and downhole commingle MV and DK production.

Lopez GC #1
Sec 2, T29N R9W
API: 30-045-23204

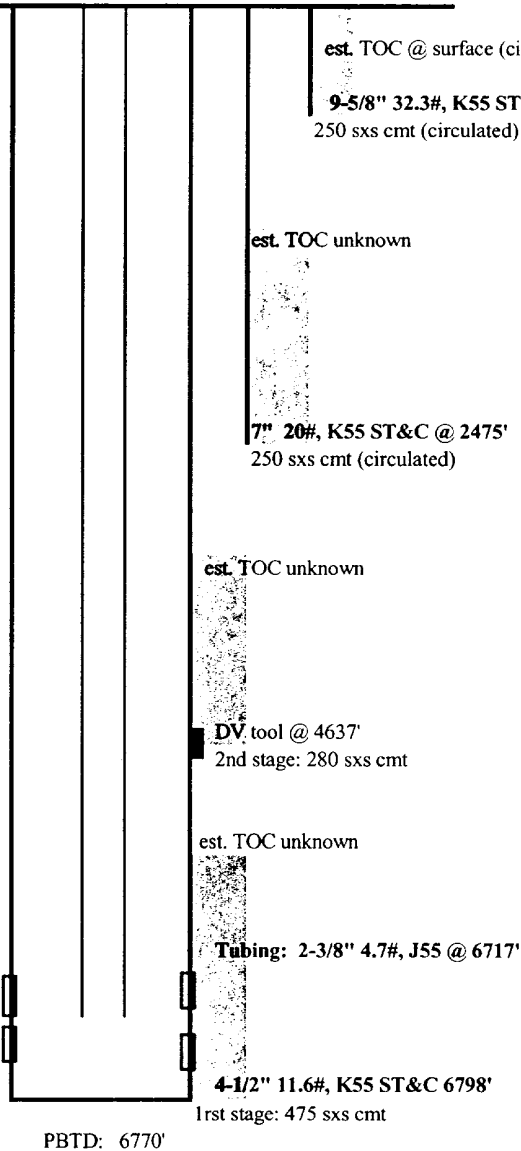
GL: 6770'

History:

6-1/4" OH drilled with air
without problems
Completed in 3/79

Dakota Completion

6616' - 6644' 4 spf w/ 36,800#s
6724' - 6738' 4 spf w/ 39,000#s



Notes:

updated: 6/19/00 jad

Lopez Gas Com No. 1

Future Production Decline Estimate Dakota

(Monthly Factor .358%)

Month	Gas Volume
Jan-2000	28
Feb-2000	27
Mar-2000	29
Apr-2000	80
May-2000	54
Jun-2000	57
Jul-2000	92
Aug-2000	58
Sep-2000	92
Oct-2000	67
Nov-2000	70
Dec-2000	65
Jan-2001	62
Feb-2001	167
Mar-2001	97
Apr-2001	69
May-2001	60
Jun-2001	60
Jul-2001	60
Aug-2001	60
Sep-2001	60
Oct-2001	60
Nov-2001	60
Dec-2001	60
Jan-2002	60
Feb-2002	60
Mar-2002	60
Apr-2002	60
May-2002	60
Jun-2002	60
Jul-2002	60
Aug-2002	60
Sep-2002	60
Oct-2002	60
Nov-2002	60
Dec-2002	60

$\ln(Q_t/Q_i) = -dt$
 $Q_i = 65 \text{ MCFD (12/2000)}$
 $Q_t = 60 \text{ MCFD (05/2001)}$
 $t = 5 \text{ months (46666 yrs)}$
 $d = 0.32 \text{ annual decline}$
 $0.027 \text{ monthly decline (0.32/12)}$

Corrected Volumes
 $52/53 = 0.92308$
 $.92 * 46666 = .43076$
 0.035896667

Month	Gas Volume
Jan-2003	60
Feb-2003	59
Mar-2003	59
Apr-2003	59
May-2003	59
Jun-2003	59
Jul-2003	59
Aug-2003	59
Sep-2003	59
Oct-2003	59
Nov-2003	59
Dec-2003	59
Jan-2004	59
Feb-2004	59
Mar-2004	59
Apr-2004	59
May-2004	59
Jun-2004	59
Jul-2004	59
Aug-2004	59
Sep-2004	59
Oct-2004	59
Nov-2004	59
Dec-2004	59
Jan-2005	59
Feb-2005	59
Mar-2005	59
Apr-2005	59
May-2005	59
Jun-2005	59
Jul-2005	59
Aug-2005	59
Sep-2005	59
Oct-2005	57
Nov-2005	56
Dec-2005	54

Month	Gas Volume
Jan-2006	54
Feb-2006	54
Mar-2006	54
Apr-2006	53
May-2006	53
Jun-2006	53
Jul-2006	53
Aug-2006	53
Sep-2006	53
Oct-2006	52
Nov-2006	52
Dec-2006	52
Jan-2007	52
Feb-2007	52
Mar-2007	51
Apr-2007	51
May-2007	51
Jun-2007	51
Jul-2007	51
Aug-2007	51
Sep-2007	50
Oct-2007	50
Nov-2007	50
Dec-2007	50
Jan-2008	50
Feb-2008	50
Mar-2008	49
Apr-2008	49
May-2008	49
Jun-2008	49
Jul-2008	49
Aug-2008	48
Sep-2008	48
Oct-2008	48
Nov-2008	48
Dec-2008	48

Lopez Gas Com No. 1
Future Production Decline Estimate Dakota
(Monthly Factor .358%)

Month	Gas Volume
Jan-2009	48
Feb-2009	48
Mar-2009	47
Apr-2009	47
May-2009	47
Jun-2009	47
Jul-2009	47
Aug-2009	47
Sep-2009	46
Oct-2009	46
Nov-2009	46
Dec-2009	46
Jan-2010	46
Feb-2010	46
Mar-2010	45
Apr-2010	45
May-2010	45
Jun-2010	45
Jul-2010	45
Aug-2010	45
Sep-2010	44
Oct-2010	44
Nov-2010	44
Dec-2010	44
Jan-2011	44
Feb-2011	44
Mar-2011	44
Apr-2011	43
May-2011	43
Jun-2011	43
Jul-2011	43
Aug-2011	43
Sep-2011	43
Oct-2011	43
Nov-2011	42
Dec-2011	42

Month	Gas Volume
Jan-2012	42
Feb-2012	42
Mar-2012	42
Apr-2012	42
May-2012	42
Jun-2012	41
Jul-2012	41
Aug-2012	41
Sep-2012	41
Oct-2012	41
Nov-2012	41
Dec-2012	41
Jan-2013	41
Feb-2013	40
Mar-2013	40
Apr-2013	40
May-2013	40
Jun-2013	40
Jul-2013	40
Aug-2013	40
Sep-2013	40
Oct-2013	40
Nov-2013	39
Dec-2013	39
Jan-2014	39
Feb-2014	39
Mar-2014	39
Apr-2014	39
May-2014	39
Jun-2014	39
Jul-2014	38
Aug-2014	38
Sep-2014	38
Oct-2014	38
Nov-2014	38
Dec-2014	38

Month	Gas Volume
Jan-2015	38
Feb-2015	38
Mar-2015	38
Apr-2015	37
May-2015	37
Jun-2015	37
Jul-2015	37
Aug-2015	37
Sep-2015	37
Oct-2015	37
Nov-2015	37
Dec-2015	37
Jan-2016	36
Feb-2016	36
Mar-2016	36
Apr-2016	36
May-2016	36
Jun-2016	36
Jul-2016	36
Aug-2016	36
Sep-2016	36
Oct-2016	35
Nov-2016	35
Dec-2016	35
Jan-2017	35
Feb-2017	35
Mar-2017	35
Apr-2017	35
May-2017	35
Jun-2017	35
Jul-2017	35
Aug-2017	34
Sep-2017	34
Oct-2017	34
Nov-2017	34
Dec-2017	34

Month	Gas Volume
Jan-2018	34
Feb-2018	34
Mar-2018	34
Apr-2018	33
May-2018	33
Jun-2018	33
Jul-2018	33
Aug-2018	33
Sep-2018	33
Oct-2018	32
Nov-2018	32
Dec-2018	32
Jan-2019	32
Feb-2019	32
Mar-2019	32
Apr-2019	31
May-2019	31
Jun-2019	31
Jul-2019	31
Aug-2019	31
Sep-2019	31
Oct-2019	30
Nov-2019	30
Dec-2019	30
Jan-2020	30
Feb-2020	30
Mar-2020	30
Apr-2020	30
May-2020	29
Jun-2020	29
Jul-2020	29
Aug-2020	29
Sep-2020	29
Oct-2020	29
Nov-2020	29
Dec-2020	28

District I

1625 N. Frank Dr., Hobbs, NM 87240

District II

311 South First, Artesia, NM 87210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

1220 South St. Francis Drive
Santa Fe, NM 87505

MAY 2002 OIL CONSERVATION DIVISION SANTA FE, NM				WELL API NO. 30-045-23204	
5. Indicate Type of Lease STATE FEE ☒					
State Oil & Gas Lease No.					
WELL COMPLETION OR RECOMPLETION REPORT AND LOG					
1a. Type of Well: OIL WELL GAS WELL ☒ DRY OTHER _____			7. Lease Name or Unit Agreement Name Lopez Gas Com		
b. Type of Completion: NEW WELL WORK OVER PLUG BACK DIFF. RESVR ☒ OTHER _____					
2. Name of Operator BP America Production Company			8. Well No. 1		
3. Address of Operator P.O. Box 3092 Houston, TX 77253 Attn: Mary Corley			9. Pool name or Wildcat Blanco Mesaverde		
4. Well Location Unit Letter D : 800 Feet From The North Line and 1015 Feet From The West Line Section 02 Township 29N Range 09W NMPM San Juan County					
10. Date Spudded 12/27/19789	11. Date T.D. Reached 01/04/1979	12. Date Compl. (Ready to Prod.) 04/05/2002	13. Elevations (DF& RKB, RT, GR, etc.) 5611' 6L		
14. Elev. Casinghead					
15. Total Depth 6820'	16. Plug Back T.D. 6770'	17. If Multiple Compl. How Many Zones? _____	18. Intervals Drilled By XX		
19. Producing Interval(s), of this completion - Top, Bottom, Name 3814' - 4896' Blanco Mesaverde			20. Was Directional Survey Made NO		
21. Type Electric and Other Logs Run CBL			22. Was Well Cored NO		
23. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE		
9 5/8"	32.3#	285'	13 1/4"		
7"	20#	2475'	8 1/4"		
4 1/2"	11.6#	6798'	6 1/4"		
24. LINER RECORD					
SIZE	TOP	BOTTOM	SACKS CEMENT		
25. TUBING RECORD					
SIZE	DEPTH SET	PACKER SET			
2 3/8"	6623'				
26. Perforation record (interval, size, and number) PLEASE SEE ATTACHED SUBSEQUENT REPORT FOR PERFORATION DETAILS					
27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
3814' - 4028'		80681# 16/40 Brady Sand, 70% Foam, N2			
4168' - 4448'		85353# 16/40 Brady Sand, 70% Foam, N2			
4510' - 4896'		79460# 16/40 Brady Sand, 70% Foam, N2			
28. PRODUCTION					
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing			
		Well Status (Prod. or Shut-in) Producing			
Date of Test 04/04/2002	Hours Tested 12	Choke Size 1/4"	Prod'n For Test Period		
			Oil - Bbl Trace		
			Gas - MCF 325		
			Water - Bbl. Trace		
Flow Tubing Press.	Casing Pressure 180#	Calculated 24-Hour Rate	Oil Gravity - API - (Corr.)		
29. Disposition of Gas (Sold, used for fuel, vented, etc.)			Test Witnessed By		
30. List Attachments					
31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief					
Signature <i>Mary Corley</i>		Printed Name Mary Corley	Title Sr. Regulatory Analyst Date 04/30/2002		

District I
PO Box 1980, Hobbs, NM 88241-
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM
District IV
2040 South Pacheco, Santa Fe, NM

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, NM 87505

Form C-104

Revised October 18, 1994

Instructions on back

Submit to Appropriate District Office

5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address BP America Production Company P.O. Box 3092 Attention: Mary Corley Houston, TX 77253		² OGRID Number 000778
		³ Reason for Filing Code Recomplete
⁴ API Number 30 - 045 - 23204	⁵ Pool Name Blanco Mesaverde	⁶ Pool Code 72319
⁷ Property Code 000810	⁸ Property Name Lopez Gas Com	⁹ Well Number 1

II. ¹⁰ Surface Location

UL or lot no. D	Section 02	Township 29N	Range 09W	Lot.Idn	Feet from the 800'	North/South Line North	Feet from the 1015'	East/West line West	County San Juan
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¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Lse Code F (Fee)	¹³ Producing Method Code F	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
151618	EL PASO FIELD SERVICES BOX 4490 FARMINGTON, NM 87499		G	
9018	GIANT REFINING CO P.O. BOX 12999 SCOTTSDALE, AZ 85267		O	

IV. Produced Water

²³ POD	²⁴ POD ULSTR Location and Description
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V. Well Completion Data

²⁵ Spud Date 12/27/1978	²⁶ Ready Date 04/05/2002	²⁷ TD 6820'	²⁸ PBDT 6770'	²⁹ Perforations 4168' - 4896' 3814	³⁰ DHC, DC, MC DHC-465AZ
³¹ Hole Size	³² Casing & Tubing Size	³³ Depth Set	³⁴ Sacks Cement		
13 1/2"	9 5/8" 32.3#	285'	250 SXS CMT		
8 1/2"	7" 20#	2475'	250 SXS CMT		
6 1/2"	4 1/2" 11.6#	6798'	755 SXS CMT		
(Tubing)	2 3/8"	6623'			

VI. Well Test Data

³⁵ Date New Oil	³⁶ Gas Delivery Date	³⁷ Test Date 04/04/2002	³⁸ Test Length 12 hrs	³⁹ Tbg. Pressure	⁴⁰ Csg. Pressure 230#
⁴¹ Choke Size 1/2"	⁴² Oil Trace	⁴³ Water Trace	⁴⁴ Gas 325 MCF	⁴⁵ AOF	⁴⁶ Test Method F

⁴⁷ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name:

Title:

Date: 04/08/2002

Phone: 281-366-4491

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

MAY - 3 2002

⁴⁸ If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date
-----------------------------	--------------	-------	------

LOPEZ GAS COM 1
RECOMPLETION & DOWNHOLE COMMINGLING SUBSEQUENT REPORT
04/30/2002

03/25/2002 MIRUSU @ 08:00 hrs. NDWH & NU BOP's. Unseat TBG hanger. TOH W/TBG.

03/26/2002 RU, TIH & set a CIBP @ 5050'. Load hole w/2% KcL water. Pressure tested CSG to 2500#. Held Ok. RU & run CBL log. Found good CMT. RU & Perf Point Lookout: 3.125 inch diameter

Upper Point Lookout perforations, 1 spf, 120° phasing (14 shots/ 14 holes):

4510', 4514', 4522', 4530', 4536', 4542', 4549', 4560', 4577', 4597', 4604', 4614', 4623', 4630'

Lower Point Lookout perforations, 2 spf, 120° phasing (12 shots/ 24 holes):

4649', 4660', 4693', 4712', 4752', 4770', 4784', 4810', 4830', 4849', 4882', 4896'

03/28/2002 RU & Frac w/79,460# of 16/30 Brady Sand & 70% Foam & N2. RU & TIH w/CIBP & set @ 4465'. RU & Perf Menefee: 3.125 inch diameter

Menefee perforations, 2 spf, 120° phasing (16 shots/ 32 holes):

4168', 4196', 4202', 4212', 4222', 4254', 4260', 4322', 4334', 4338', 4356', 4360', 4412', 4424', 4443', 4448'

RU & Frac w/85,353# of 16/30 Brady Sand & 70% Foam & N2. RU & TIH w/CIBP & set @ 4050'.

03/29/2002 RU & Perf Cliffhouse & Lower Lewis : 3.125 inch diameter

Lower Lewis perforations, 2 spf (5 shots/ 10 holes):

3814', 3822', 3844', 3870', 3893'

Cliffhouse perforations, 1 spf (16 shots/ 16 holes):

3903', 3912', 3914', 3924', 3928', 3935', 3942', 3956', 3962', 3974', 3980', 3989', 3998', 4003', 4023', 4028'

RU & Frac w/80,681# of 16/30 Brady Sand & 70% Foam & N2. RU & Flow back well thru $\frac{1}{4}$ " choke all night.

04/01/2002 TIH & tag fill @ 3930'. Circ hole clean to top of CIBP set @ 4050'. DO CIBP. TIH & tagged fill @ 4370'. C/O to 4460' PU above perfs & flowed well overnight thru $\frac{3}{4}$ " choke.

04/02/2002 TIH & tagged fill @ 4455'. Circ hole clean to top of CIBP set @ 4460'. DO CIBP. TIH & tagged fill @ 5000'. Circ hole clean to top of CIBP set @ 5050'. PU above perfs & flow back well on $\frac{3}{4}$ " choke overnight.

04/03/2002 TIH & DO CIBP set @ 5050'. Circ clean to PBTD @ 6770'. PU above perfs & flow back well thru $\frac{3}{4}$ " choke overnight.

04/04/2002 TIH & tagged fill @ 6755'. Circ hole clean to PBTD. PU above perfs & flow test well 12 hrs. thru $\frac{3}{4}$ " choke. 325 MCF Gas, Trace WTR, Trace oil. SDFN.

04/05/2002 TIH & found 0' fill. TOH. TIH W/ 2 3/8" production TBG & land @ 6623'. ND BOP's & NUWH. SDFN

04/08/2002 Pull TBG plug. RDSU RDMOSU. Rig Release @ 07.00 hrs.