1625 N. French Dr., Hobbs, NM 88240

State of New Mexico Energy Minerals and Natural Resources

Form C-101 Revised March 17, 1999

District II 811 South ; irst, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 2040 South Pacheco, Santa Fe, NM 87505

Oil Conservation Division 2040 South Pacheco Santa Fe, NM 87505

Submit to appropriate District Office State Lease - 6 Copies Fee Lease - 5 Copies AMENDED REPORT

APPLI	CATIO	NFOF	R PERMIT T	TO DR	ILL, RE-	ENTE	R, DE	eren,	PLUGBAC	K, OR	ADD	A ZONE
	Operator Name and Address Amoco Production Company							^	(() () () () () ()	OGRID N 00077		
P. O. Box 3092 Houston, Texas 77253						fo.	<u>ت</u> ک	AN 200		30-		-30/09
				⁵ Property Likins Gas	Name Com	R)	48 6 6 34 -	C .4 1		6 Well N 1B		
			-		⁷ Surface	Location		ner u	-37			
UI. or lot no.	Section 34	Township 30N	ship Range Lot Idn			t from the	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Feet from the East/We 2440' We		ŀ	County San Juan
	11		⁸ Proposed B	ottom l	Hole Loca	tion If I	Differe	ent Fron				
UL or lot no.			Lot				North/South line Feet from the		East/West line		County	
	1		Proposed Pool 1	<u></u>					10 Propos	sed Pool 2		
		Bla	nco Mesaverd	e								
Work Type Code N - New Drill		12 Well Type Coo	le	R	able/Rotary Rotary	1		15 Ground Level Elevation 5714'		5714'		
	iltiple O		¹⁷ Proposed Dept 4887'	th	1	Formation saverde	e Contractor Aztec		²⁰ Spud Date 02/02/2000			
			21 P	ropose	d Casing a	ınd Cen	nent Pi	rogram				
Hole Si	ze	Ca	asing Size	Casing	ng weight/foot Se		Setting D	g Depth Sacks of Cem		ment Estimated TOC		
12 1/4	12 1/4" 9 5/8"		9 5/8"		32.3#		135'	5' 125 SXS CI		CLS B Surface		Surface
8 3/4"	,		7"	20#			2105'		304 SXS CLS B		Surface	
6 1/4"	,		4 1/2"		10.5#	4887' 179 SXS L		179 SXS Lit	eCrete 1905'		1905'	
											<u>. </u>	
OBJECTIV Lookout in (1) Circulat Mud Progra The hole wi Top set Fru	E: Drill tervals. I te Cemen am: 0' - 135' 2105 Il require	100' int Run Cas t to Sur 135' - 2105' 5' - TD e sweeps minimiz	sed Hole (GR- face (2) Set (Type - Spud Type - Water Type - Gas/A to keep unloa ze lost circulat	Shale, so CCL-TI Casing 5 Weig Wei Air/Mist ded whi ion, air	et 4 ½" Lin OT) logs: T 50' above F cht 8.6 - 9.2 ght 8.6 - 9.2 Volume le fresh wa volume to 1	er across DT fron ruitland 2 e sufficie ter drilli naintain	Mesav PBTI (3) nt to m	to TO Liner L aintain t hole co	timulate Cliff L. GR- CCL f ap should be n a stable & clea anditions dicta	rom PD ninimum an wellbo	ΓB to S i of 100 ore	Surface.
COMPLETION: Rigless, 2 -3 Stage Limited Entry Hydraulic Frac. 23 I hereby certify that the information given above is true and complete to the OIL CONSERVATION DIVISION												
²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.							,	JIL CC	JNSEKVAII	IUN DI	v 151C	'IN
Signature:		AKIA	e lastar	1								
Joland Court						Appro	Approved by:					
Printed name: Mary Corley						Title:	Title: SUPERVISOR DISTRICT # 3					
Title: Sr. Business Analyst						Appro	Approval Date JAN 13 2000 Expiration Date: JAN 13 2					
Date. 01/	/12/2000		Phone: 281	-366-44	91	Conditions of Approval:						
						Attached						

District I PO Box 1980, Hobbs NM 88241-1980 District II

PO Drawer KK, Artesia, NM 87211-0719

District III

1000 Rio Brazos Rd., Aztec, NM 87410 District IV PO Box 2088, Santa Fe, NM 87504-2088 State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 Form C-102 Revised February 21, 1994

Instructions on back

Submit to Appropriate District Office State Lease - 4 Copies

Fee Lease - 3 Copies

AMENDED REPORT

33777T T	LOCATION	AND ACDE	AGE DEDIC	ATION PLAT
WHIL	LICKIATICH	AND AURE	AUTE DEDIC	AHUNTLAL

'API Number	r 2 Pool Code 3 Pool	Name
30-045-	ZNO9 72319 BIANCO WESAVERD)E
Property Code	⁵ Property Name	6 Well Number
000795	LIKENS GAS COM A	# 1B
OGRID No.	Operator Name	⁹ Elevation
000778	AMOCO PRODUCTION COMPANY	5714

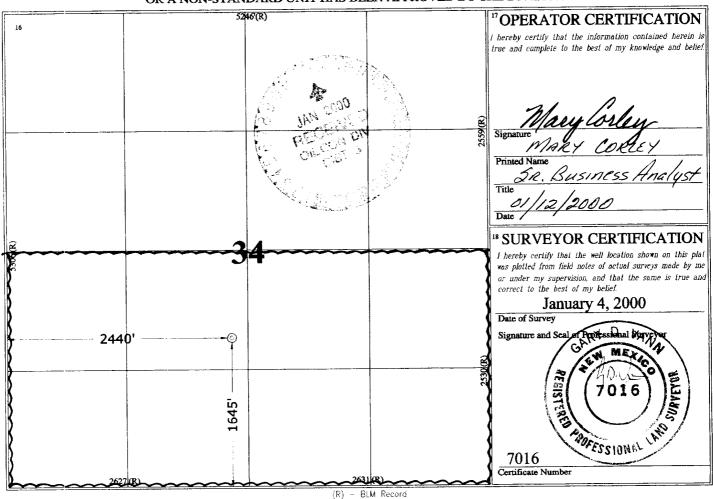
Surface Location

UL or Lot No.	Section 34	Township 30 N	Range 9 W	Lot Idn	Feet from the 1645	North/South line SOUTH	Feet from the 2440	East/West line WEST	SAN JUAN
11 Bottom Hole Location If Different From Surface									
7 UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acre	s ¹³ Join	t or Infill 14	Consolidatio	n Code 15	Order No.				

320.00

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



Amoco Production Company BOP Pressure Testing Requirements

Well Name: L

Likins Gas Com A 1B

County:

San Juan

State: New Mexico

Formation	TVD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	1160'		
Kirtland	1341'		
Fruitland Coal	2155'		
Pictured Cliffs	2399'		
Lewis Shale	2519'		
Cliff House	4020'	500	0
Menefee Shale	4185'		
Point Lookout	4600'	600	0
Mancos	4787'		

** Note: Determined using the following formula: ABHP - (.22 * TVD) = ASP

Requested BOP Pressure Test Exception: 750 PSI

SAN JUAN BASIN
Mesaverde Formation
Pressure Control Equipment

Background

The objective Mesaverde formation maximum surface pressure is anticipated to be less than 1000 PSI, based on shut-in surface pressures from adjacent wells. Pressure control equipment working pressure minimum requirements are therefore 2000 PSI. Equipment to be used will conform to API RP-53 (Figure 2.C.2) for a 2000 PSI system per Federal Onshore Order No. 2. Due to available conventional equipment within the area, 3000 PSI rated pressure control equipment will typically be utilized in a double ram type arrangement. Regional drilling rights to be utilized have substructure height limitations which exclude the use of annular preventers; therefore a rotating head will be installed above these rams. This pressure control equipment will be utilized for conventional drilling below conductor to total depth. No abnormal temperature, pressure, or Hydrogen Sulfide gas is anticipated.

Equipment Specification

Interval

BOP Equipment

Below conductor casing to total depth

11" nominal or 7 1/16", 3000 PSI double ram preventer with rotating head.

All ram type preventers and related control equipment will be hydraulically tested to 250 PSI (low pressure) and 750 PSI (high pressure), upon installation, following any repairs or equipment replacements, or at 30 day intervals. Accessories to BOP equipment will include Kelly cock, upper Kelly cock with a handle available, floor safety valves and choke manifold which will also be tested to equivalent pressure at the appropriate intervals.

PAD LAYOUT PLAN & PROFILE AMOCO PRODUCTION COMPANY LIKENS GAS COM A #1B 1645' F/SL 2440' F/WL

SEC. 34, T30N, R9W, N.M.P.M. SAN JUAN COUNTY, NEW MEXICO

