# DEP

UNITED STATES	
DEPARTMENT OF THE INTERIOR	ran en en en
BUREAU OF LAND MANAGEMENT	

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- 1					3.5		
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						j.	· 7

1a. Type of W	ork (ork		5. Lease Number	production of the control of the con		
	DRILL			vM-0338 rarmington, N		
1b. Type of W	ell		6. If Indian, Name of	Allottee or Tribe		
	GAS	AN 2222				
2. Operator		A CA	7. Unit Agreement Na	API# 30039		
	CAULKINS OIL COMPANY	APB 2000				
3. Address &	Phone No. of Operator	1 2003	8. Farm or Lease Nar			
	c/o ROBERT VERQUE		BREECH "B			
	P. O. Box 340, Bloomfield, NM 87	413	9. Well Number			
	(505) 632-1544	- 14 A.	305			
4. Location of	Well	20010201	10. Filed, Pool, or Wi			
		ALL ALLA		ta - Blanco Mesa Verde		
•	4070 501 0 44571 5147			p, & Range, Meridian, or Bloc		
4.4 Di-t	n Miles from Nearest Town		14-26N-7W	13. State		
14. Distance i	n Miles from Nearest Town  30 miles southeast of Blanco, NM	l Doct Office	12. County <b>Rio Arriba</b>	New Mexic		
15. Distance f		16. Acres		17. Acres Assigned to We		
Proposed		10. Aues	in Lease	17. Acres Assigned to We		
	st Property 1072'	1120 A	Acres SW - 160			
Line or Le	• •					
18. Distance I		19. Propos	sed Depth 20. Rotary or Cable Tools			
Proposed						
-	st Well Drill, 120'	6875'		ROTARY		
Compl., C	r Applied					
For on Le	ase					
21. Elevations	s (DR, RT, GR, Etc.)		22. Approximate Da	ate Work Will Start		
	6140 GR		May 15, 2003			
23. Proposed	Casing and Cementing Program					
EXHIBITS	attached as follows  "A" Location and Elevation Plat		"F" Dell Die Lougus			
	"B" Ten-Point Compliance Program		"F" Drill Rig Layout "G" Production Facil	ity Schomatic		
	"C" Blowout Preventer Schematic	•		-		
	"D" Multi-Point Requirements for Al	PD	"H" Acerage dedication plat "I" Archaeolgical Report			
	"E" Vicinity Map - Access Roads		1 7 % Office of ground (10)	<b>, , , , , , , , , , , , , , , , , , , </b>		
	44.4.5					
24. Signed	Robert I Vergue	Title	Superintendent	Date 02/14/03		
	Robert L. Verquer					
Permit No.	/a/ David J. Marklewic		Approval Date			
r GITHILIYU.			_ Approvaribate _			
				Data APR		

NOTE: THIS FORMAT IS ISSUED IN LIEU OF U.S. BLM FORM 3160-3

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DISTRICT I 1625 N. French Dr., Hobbs, N.M. 88240 State of New Mexico
Energy, Minerals & Natural Resources Departme

Form C-102 Revised August 15, 2000

DISTRICT II 811 South First, Artesia, N.M. 88210

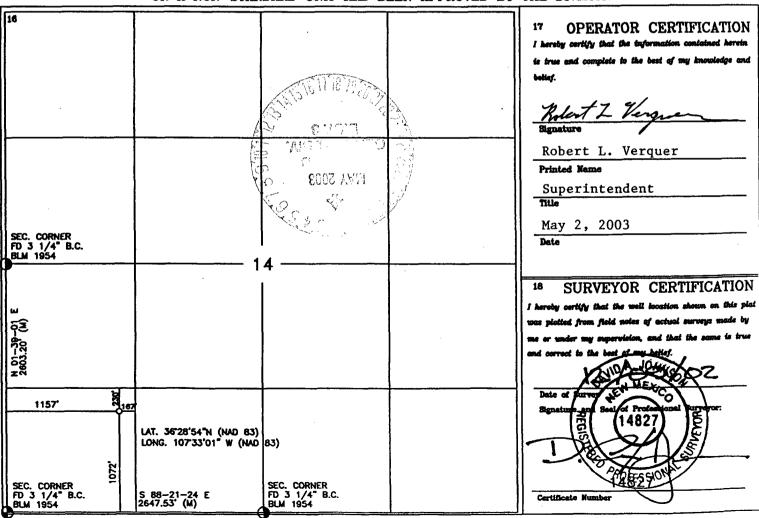
DISTRICT III 1000 Rio Brazos Rd., Astec, N.M. 87410 OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

☐ AMENDED REPORT

DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505

## WELL LOCATION AND ACREAGE DEDICATION PLAT

1	<b>Number</b> -27329		}	*Pool Code 71599		F	<b>Pool Name</b> Basin Dakota		
<sup>4</sup> Property Co	ode				Property I	Name		•	Well Number
2456					BREECH B				305
YOGRID No					Operator 1	Name			Elevation
003824					CAULKINS OIL	COMPANY			6140'
					10 Surface	Location			
UL or lot no.	Section	Township	Range	Lot idn	Feet from the	North/South line	Feet from the	East/West lis	county
М	14	26-N	7-W	7-W 1072 SOUTH 1157 WEST RIO ARRIE					RIO ARRIBA
,			<sup>11</sup> Bott	om Hole	Location I	f Different Fro	m Surface		
UL or lot no.	Section	Township	Range	Lot idn	Feet from the	North/South line	Feet from the	East/West li	ne County
* Dedicated Acre	]	<u> </u>	<sup>13</sup> Joint or	infill	<sup>14</sup> Consolidation (	Code	<sup>26</sup> Order No.		
160					:		R-10964		
NO ALLOW	ABLE W		SSIGNEI NON-STA			ON UNTIL ALL EEN APPROVED			CONSOLIDATED



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☐ AMENDED REPORT

DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505

# WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-039-27329	*Pool Code 72319	*Pool Name South Blanco Mesa V	erde
<sup>4</sup> Property Code	<sup>0</sup> Prop	erty Name	• Well Number
2456	BREEC	нв	305
OGRID No.	<sup>1</sup> Oper	* Klevation	
003824	CAULKINS	OIL COMPANY	6140'

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
М	14	26-N	7-W		1072	SOUTH	1157	WEST	RIO ARRIBA

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line		East/West line	County
Dedicated Acres	3		13 Joint or	Infill	<sup>14</sup> Consolidation (	l Zode	15 Order No.	<u> </u>	
160		•					R-1	0964	

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

		DARD UNII HAS BI		
16				17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.
·	/			Robert L'Vergee Signature
		ento IMA		Robert L. Verquer Printed Name
				Superintendent Title
SEC. CORNER FD 3 1/4" B.C. BLM 1954			·	May 2, 2003  Date
Ch	· · · · · · · · · · · · · · · · · · ·	4		18 SURVEYOR CERTIFICATION
  6€				I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by
N 01-39-01 E 2603.20 (M)				me or under my supervision, and that the same is true and correct to the best of my belief.
1157' 28 167	LAT. 36'28'54"N (NAD 83) LONG. 107'33'01" W (NAD	83)		Signature and Seel of Professional Surveyor.  1 4827  1 8 5 90%
SEC. CORNER FD 3 1/4" B.C. BLM 1954	S 88-21-24 E 2647.53' (M)	SEC. CORNER FD 3 1/4" B.C. BLM 1954		Certificate Number

#### **EXHIBIT "B"**

### TEN POINT COMPLIANCE PROGRAM

Caulkins Oil Company Breech "B" 305 1072' FSL & 1157' FWL, Sec. 14, 26N, 7W Rio Arriba County, New Mexico Lease No. NM - 03381

- 1. The Geological Surface Formation is: San Jose.
- 2. The Estimated Tops of Important Geological Markers:

Ojo Alamo	1382
Fruitland	1976
Picture Cliffs	2278
Chacra	3176
Point Lookout	4584
Greenhorn	6519
Dakota	6671
TD	6875

3. Estimated Depths and pressures of Anticipated Water, Oil, Gas or Minerals:

Substance	Formation	Depth	Pressure
Water	Alamo	1465	0
Gas	Fruitland	2276	200
Gas	Pictured Cliffs	2318	450
Gas	Chara	3289	500
Gas	Mesa Verde	4824	1000
Gas	Dakota	6838	1500

4. The proposed casing program will be as follows:

Depth	Hole Size	O.D.	Weight	Grade	Type	New/Used
0-350	12-1/4	9-5/8	36#	J55	LT&C	NEW
0-1000	7-7/8	5-1/2	17#	K55	LT&C	NEW
1000-5830	7-7/8	5-1/2	15.50#	K55	LT&C	NEW
5875-6875	7-7/8	5-1/2	17#	K55	LT&C	NEW

The proposed cement program will be as follows:

Surface:

163 sacks class H with 1% CaCl

and 1/4# per sack cellophane flake.

circulate coment

**VOLUME CALCULATIONS** 

YIELD 1.14 350 ft x 0.3132 cu-ft/ft with 70% excess = 186 cu-ft

PRODUCTION:

Cement will be run in three stages with stage tools set at approximately 2875' and 4875'.

1st stage

Cement through shoe at approx. 6875' with 233 sacks class B 35/65 poz + 6% gel (bentonite) + 1/4# /sk cellophane flake followed by 100 sacks class H + 1% CaCl + 1/4# /sk cellophane flake.

**VOLUME CALCULATIONS** 

YIELD 1.79 1341 ft x 0.1732 cu-ft/ft with 80% excess = 418 cu-ft YIELD 1.14 659 ft x 0.1732 cu-ft/ft with 0% excess = 114 cu-ft

2nd stage

Cement through shoe at approx. 4875' with 233 sacks class B 35/65 poz + 6% gel (bentonite) + 1/4# /sk cellophane flake followed by 100 sacks class H + 1% CaCl + 1/4# /sk cellophane flake.

**VOLUME CALCULATIONS** 

YIELD 1.79 1341 ft x 0.1732 cu-ft/ft with 80% excess = 418 cu-ft YIELD 1.14 659 ft x 0.1732 cu-ft/ft with 0% excess = 114 cu-ft

#### EXHIBIT "B"

#### TEN POINT COMPLIANCE PROGRAM

Caulkins Oil Company
Breech "B" 305
1072' FSL & 1157' FWL, Sec. 14, 26N, 7W
Rio Arriba County, New Mexico
Lease No. NM - 03381

3rd stage

Cement through tool at approx. 2875' with 385 sacks class B 35/65 poz + 6% gel (bentonite) + 1/4# /sk cellophane flake followed by 100 sacks class H + 1% CaCl + 1/4# /sk cellophane flake.

VOLUME CALCULATIONS
YIELD 1.79 2216 ft x 0.1732 cu-ft/ft with 80% excess = 690 cu-ft
YIELD 1.14 659 ft x 0.1732 cu-ft/ft with 0% excess = 114 cu-ft

5. Operator's Minimum Specifications for Pressure Control:

EXHIBIT "C" is a schematic of a 2M blowout preventer system. The BOP's will be hydraulically tested prior to drilling out from under surface and operational checks will be made daily thereafter and recorded in the drilling tour report.

Accessories to BOP will include the following:

- A. 2" minimum kill line and valve.
- B. Choke line and valve
- C. 2 Chokes
- D. Upper kelly cock valve with handle.
- E. Saftey valve and subs to fit all drill strings.
- F. Pressure gauge on choke manifold.
- G. 2" minimum choke line.
- H. Fill-up line above uppermost preventer.
- 6. The type and Characteristics of the Proposed Circulating Mud's:

Mud system will be gel-chemical with adequate stocks of absorbent agents on location to handle possible spills of fuel and oil in the surface. Heavier mud's will be on location to be added if pressure requires.

Interval	Mud Wt	Vis	Fluid Loss	Ph	Additives
0- 350	9.0	50		9	Lime
350-TD	9.0	34-40	8cc	9	Chemicals

- 7. Auxiliary equipment to be used is as follows:
  - a. Float valve above bit.
  - b. Monitoring of mud system will be visual.
  - A sub with a full opening valve will be on the floor when the kelly is not in use.
- 8. Testing, logging and coring will be as follows:
  - a. Cores none will be taken.
  - b. Drill stem tests none anticipated.
  - c. Logging Cased hole Gas Spectrum Log bottom of surface pipe to TD.
- 9. Anticipated Abnormal Pressures and Temperatures:

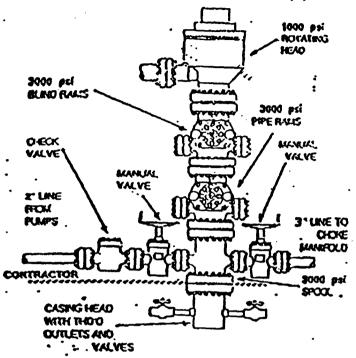
No abnormal pressure, temperatures or hydrogen sulfide gases are anticipated during the course of drilling to TD. The maximum bottom hole pressure to be expected is 1500 psi.

10. Anticipated Starting Date and Duration of the Operations:

The anticipated starting date is set for May 15, 2003, or as soon as possible after examination and approval of drilling requirements. Operations should be completed within 25 days.

BOP EGYPTION

BOOD pai WP (crocopt Rolling head at 1000 page)



# CHOKE WWHILOFD EXHIELL .B.

