State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-039-25328

5. Indicate Type of Lease: STATE [X] FEE [ ]

6. State Oil & Gas Lease No.: E-291-25

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR TO PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name: STATE "B" COM

1. Type of Well: Oil Well [ ] Gas Well [X] Other [ ]

2. Name of Operator: Caulkins Oil Company

8. Well No.: 233-R

3. Address of Operator: P.O. Box 340, Bloomfield, NM 87413

Pool Name or Wildcat: ~~PC, Chacra, MV~~ + BASIN DAKOTA

4. Well Location
Unit Letter C : 945' F/N 1830' F/W
16 Section 26N Township 6W Range NMPM Rio Arriba County

10. Elevation (Show Whether DF,RKB,RT,GR,etc.) 6691 GR

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF: Commence Drilling Operations
Casing Test and Cement Job

RECEIVED
NOV 3 1993
OIL CON. DIV.
DIST. 3

12. Describe Proposed or Completed Operations

10-30-93 Spud 8:30 a.m.
Drilled 466' KB of 12 1/4" hole
TD 6:30 p.m.
Deviation 1/2° at 466' KB

Ran 10 joints 9 5/8" 36# J-55 casing to 465' KB.

Cemented with 245 sacks class G with 2% CaCl and 1/4# flake displaced with 33.5 bbls H_2O, circulated 8 bbls cement to surface.

Plug down at 10:30 p.m.

10-31-93 Tested casing with 600 psi for 30 minutes, held OK

NOTE: This format is in lieu of State Form C-103.

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

SIGNATURE Robert L Verquer TITLE Superintendent DATE November 2, 1993
ROBERT L. VERQUER (505) 632-1544

(This space for State Use)

APPROVED BY Original Signed by CHARLES GHOLSON TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE NOV - 3 1993

CONDITIONS OF APPROVAL, IF ANY:

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

RECEIVED
JAN 03 1994
OIL CON. DIV.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 12-28-93
Company: CAULKINS OIL COMPANY			Connection:	
Pool: South Blanco			Formation: Tocito	
Completion Date: 12-14-93	Total Depth: 7540'		Plug Back TD: 7540'	Elevation: 6691 GR
Farm or Lease Name: State "B" Com				
Csg. Size: 5 1/2" / Wt.: 15.5 and 17 / d: 4.892 / Set At: 7540'			Perforations: From 6782' To 6790'	Well No.: 233-R
Tbg. Size: 1 1/4" / Wt.: 2.3 / d: 1.380 / Set At: 6768'			Perforations: From 6768' To	Unit: C / Sec.: 16 / Twp.: 26N / Rge.: 6W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G. O. Multiple			Packer Set At: 6813'	County: Rio Arriba
Producing Thru: Tubing	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a:	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps

	FLOW DATA				TUBING DATA		CASING DATA		
NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI						1026		1041		7 days
1.						67		515		3 hours
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	14.1605	79		1.000	1.000	1.000	1,119
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1038 P_c^2 1,077,444

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	6,241	527	277,729	799,715
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.347$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.251$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1,399$

Absolute Open Flow 1,399 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED
JAN 03 1994
OIL CON. DIV.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 12-28-93	
Company: CAULKINS OIL COMPANY		Connection:			
Pool: Basin Dakota		Formation: Dakota			Unit:
Completion Date: 12-14-93	Total Depth: 7540'	Plug Back TD: 7540'	Elevation: 6691 GR		Farm or Lease Name: State "B" Com
Csg. Size: 5 1/2" / Wt.: 15.5 and 17 / d: 4.892 / Set At: 7540'		Perforations: From 7277' To 7486'			Well No.: 233-R
Tbg. Size: 1 1/4" / Wt.: 2.3 / d: 1.380 / Set At: 7416'		Perforations: From 7416' To			Unit: C / Sec.: 16 / Twp.: 26N / Rge.: 6W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G. O. Multiple		Packer Set At: 6813'			County: Rio Arriba
Producing Thru: Tubing	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a:		State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps

	FLOW DATA					TUBING DATA		CASING DATA		
NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI						1404		PKR		7 days
1.						92		PKR		3 hours
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	14.1605	104		1.000	1.000	1.000	1,473
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1416 P_c^2 2,005,056

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	10,816	632	400,106	1,604,950
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.249$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.182$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1,741$

Absolute Open Flow 1,741 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By: