Submit in duplicate to appropriate district office. See Rule 401 & Rule 1122

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-122
Revised October, 1999

RECEIVED OCD APR 2000

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator: OXY USA

Lease or Unit Name: Charlemagne fed

Type Test: [X] Initial [ ] Annual [ ] Special

Test Date: 3-6-00

Well No.: 1

Completion Date	Total Depth	Plug Back TD	Elevation	Unit Ltr - Sec - TWP - Rge
12-29-99		9360		E, 26-17-27

Csg. Size	Wt.	d	Set At	Perforations
4 1/2	11.6	4.000		From: 9200 To: 9214

Tbg. Size	Wt.	d	Set At	Perforations
2 3/8	4.7	1.995	9157	From: To:

County: EDDY

Pool: Logan Draw Atoka

Type Well - Single - Bradenhead - G.G. or G.O. Multiple: single

Packer Set At: 9157

Formation: ATOKA

Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press - P_a	Connection
Tbg.	155	60	13.2	SALES

H	H	Gg	%CO2	%N2	%H2S	Prover	Meter Run	Taps
.9185	.9185	0.665	0.267	0.642	n/a	n/a	4.026	FLG

FLOW DATA

No.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F
SI						
1.	4.026 x 1.000			300	56.0"	60
2.						
3.						
4.						
5.						

TUBING DATA

Press. p.s.i.g.	Temp. °F
1850	n a
400	

CASING DATA

Press. p.s.i.g.	Temp. F	Duration Of Flow
PKR		
		24 HRS.

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, F pv	Rate of Flow Q, Mcfd
1.							
2.	Grass Volumes Taken	From Total	Flow	Meter			
3.							630
4.							
5.							

No.	P_r	Temp. °R	T_r	Z
1.				
2.	Total Flow			
3.				
4.				
5.				

P_c 1863.2 P_c^2 3471.5

Gas Liquid Hydrocarbon Ratio 52.5 Mcf/bbl.

A. P. I. Gravity of Liquid Hydrocarbons 60 Deg.

Specific Gravity Separator Gas .663 XXXXXXXXXX

Specific Gravity Flowing Fluid XXXXX

Critical Pressure 673 P.S.I.A. P.S.I.A.

Critical Temperature 374 R. R

No.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.	170.7	428.6	183.7	3287.8
2.				
3.				
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.056$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.056$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 665$

Absolute Open Flow .665 Mcfd @ 15.025

Angle of Slope θ: 45

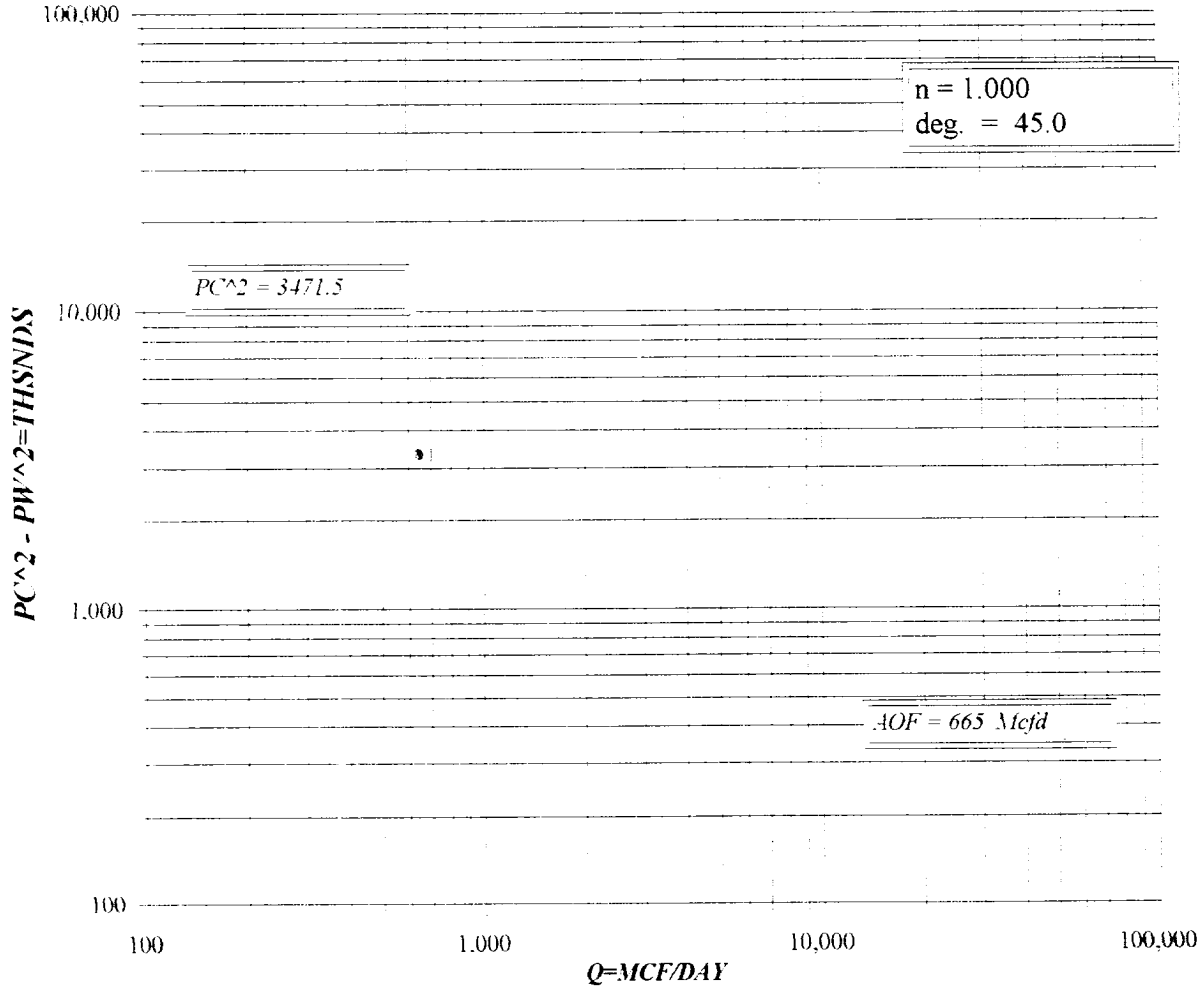
Slope, n: 1.000

Remarks: * WELL MADE 12 BBLS OF 60 API GRAVITY CONDENSATE DURING TEST.

Approved By Division	Conducted By: PRO WELL TESTING	Calculated By: MB	Checked By: BM

OXY USA

CHARLEMAGNE FED #1



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Type Test: [X] Initial [ ] Annual [ ] Special | Test Date: 3-6-00 | Well No.: 1

Completion Date	Total Depth	Plug Back TD	Elevation	Unit Ltr - Sec - TWP - Rge
2-22-99		9300		

Csg. Size	Wt.	d	Set At	Perforations:	County
4½	11.6	4.000		From: 9200 To: 9214	EDDY

Tbg. Size	Wt.	d	Set At	Perforations:	Pool
2 3/8	4.7	1.995	9157	From: To:	

Type Well - Single - Bradenhead - G.G. or G.O. Multiple	Packer Set At	Formation
single	9157	ATOKA

Producing Thru	Reservoir Temp °F	Mean Annual Temp °F	Baro. Press - P_a	Connection
Tbg.	165	60	13.2	SALES

P_o	H	Gg	%CO2	%N2	%H2S	Prover	Meter Run	Taps
9185	9185	0.665	0.267	0.642	n/a	n/a	4.026	FLG

No.	FLOW DATA: Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration Of Flow
SI							1850	n/a	PKR		
1.	4.026	x	1.000	300	56.0"	60	400				24 HRS.
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.							
2.	Glass Volumes Taken	From Total	Flow	Meter			630
3.							
4.							
5.							

No.	P_r	Temp. R	T_r	Z
1.				
2.	Total Flow			
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio 52.5 Mcf/bbl.
A. P. I. Gravity of Liquid Hydrocarbons 60 Deg.
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Specific Gravity Flowing Fluid XXXXX
Critical Pressure 673 P.S.I.A. P.S.I.A.
Critical Temperature 374 R. R

P_c 1863.2 P_c^2 3471.5

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2.				
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AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = .665$

Absolute Open Flow .665 Mcfd@ 15.025 | Angle of Slope θ: 45 | Slope, n: 1.000

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