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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

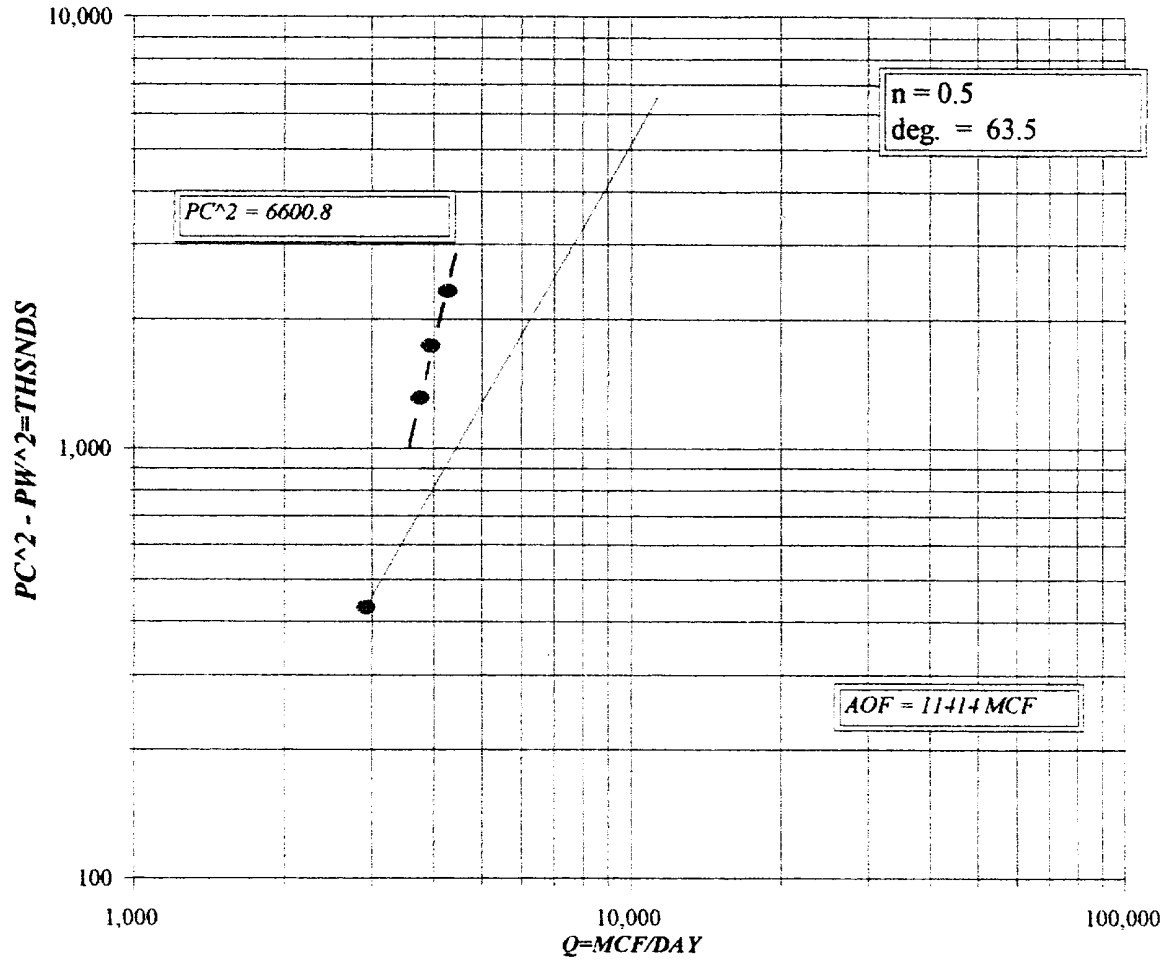
RECEIVED
OCD - ARTESIA

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator CHI OPERATING				Lease or Unit Name WIZARD FED. COM.			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 9/4/01		Well No. 1	
Completion Date		Total Depth		Plug Back TD		Elevation	
Csg. Size 5 1/2		Wt. 20		Set At 12217		Perforations: From: 12030 To: 12085	
Tbg. Size 2 7/8		Wt. 6.5		Set At 11981		Perforations: From: To:	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 11981		Formation MORROW	
Producing Thru Tbg. Size		Reservoir Temp. °F 193.8 @ 11981		Mean Annual Temp. °F 60		Baro. Press. P _a 13.2	
L 11981		H 11981		Gg 0.649		%CO ₂ 0.651	
				%N ₂ 0.43		%H ₂ S N/A	
				Prover N/A		Meter Run	
						Taps FLG	
FLOW DATA				TUBING DATA			
Casing Data				Duration of Flow			
No.	Prover Line Size	Orifice Size	Press p.s.i.g.	Diff. h _w	Temp. °F	Press p.s.i.g.	Temp. °F
SI						2556	N/A
1	4 x 1.750					2450	"
2	4 x 1.750					2250	"
3	4 x 1.750					2150	"
4	4 x 1.750					2000	"
5							
RATE OF FLOW CALCULATIONS							
No.	COEFFICIENT (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress Factor F _{pv}	Rate of Flow Q, Mcfd
1							2914
2							3750
3		gas	measured	by	total	flow	3931
4							4255
5							
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 102.414 Mcf bbl.		
1					A.P. I. Gravity of Liquid Hydrocarbons 57.0 @ 60 Deg.		
2					Specific Gravity Separator Gas 0.649 XXXXXXXX		
3	N/A	N/A	N/A	N/A	Specific Gravity Flowing Fluid XXXXXX Gmix .677		
4					Critical Pressure P.S.I.A. 669 P.S.I.A.		
5					Critical Temperature R. 385 R		
P _c 2569.2 P _{c2} 6600.8							
No.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	(1) $P_c^2 = \frac{15.343}{P_c^2 - P_w^2}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.917$		
1		2484.1	6170.6	430.2			
2		2300.2	5290.8	1310			
3		2205.4	4864	1736.8			
4		2066	4268.3	2332.5			
5					79825 $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 11.414$		
Absolute Open Flow 11.414 Mcfd @ 15.025				Angle of Slope (°): 63.2 Slope n: 0.5			
Remarks: WELL PRODUCED 145 BBLs OF 57.0 API CONDENSATE							
Approved By Division:		Conducted By: SIGNAL WIRE LINE		Calculated By: BM		Checked By: BM	

C19V

CHI OPERATING
WIZARD FED. COM. # 1



NEW MEXICO G.O.R./G. MIX

NO. OF BBLs PRODUCED = 145.0
API GRAVITY @ 60 DEG. = 57.0

SPECIFIC GRAVITY OF GAS = 0.6490

XX

TOTAL GAS PRODUCED = 14850

G.O.R. = 102.414

G.MIX = 0.677

District I

PO Box 1980, Hobbs, NM 88241-1980

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-10

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 Chi Operating, Inc. P.O. Box 1799 Midland, Texas 79702		2 OGRID Number 004378
		3 Reason for Filing Code NW
4 API Number 30-015-31715	5 Pool Name N. Hackberry Morrow	6 Pool Code 96785
7 Property Code NM 063613 27989	8 Property Name Wizard Federal Com.	9 Well Number #1

II. 10 Surface Location

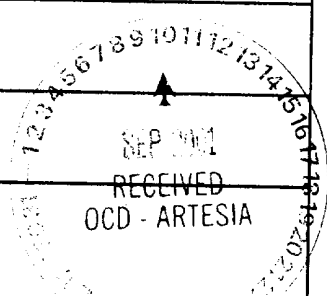
Ul or lot no. 1	Section 1	Township 19S	Range 30E	Lot Idn	Feet from the 1750'	Orth/South Lin SOUTH	Feet from the 760'	East/West line East	County Eddy
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11 Bottom Hole Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	Orth/South Lin	Feet from the	East/West line	County
12 Lse Code F	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 15694	19 Transporter Name and Address Navajo Refining Artesia, New Mexico	20 POD 2830236	21 O/G O	22 POD ULSTR Location and Description
8503	PNM	2830237	G	



IV. Produced Water

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

25 Spud Date 4/25/2001	26 Ready Date 8/16/01	27 TD 12,260'	28 PBDT 12,217'	29 Perforations 12,030-38,485-79-85'	30 DHC, DC, MC
31 Hole Size 17 1/2	32 Casing & Tubing Size 13 3/8	33 Depth Set 490'	34 Sacks Cement 127 sks circ		
11	8 5/8	3244'	170 sks circ		
7 7/8	5 1/2	12,265'	Cmt'd 900'sks TOC 5358'		
	2 7/8	Pkr @ 11,980'			

VI. Well Test Data

35 Date New Oil 8/16/2001	36 Gas Delivery Date 8/16/2001	37 Test Date 8/17/2001	38 Test Length 24	39 Tbg. Pressure 2250#	40 Csg. Pressure 0
41 Choke Size 17/64"	42 Oil 133	43 Water 0	44 Gas 4057 MCF	45 AOF	46 Test Method Total Flow Meter

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:

John Wolf

Title:

Date:

8/20/2001

Phone:

915-685-5001

Approved By:

OIL CONSERVATION DIVISION

ORIGINAL SIGNED BY TIM W. GUM
DISTRICT II SUPERVISOR

Title:

Approval Date:

OCT 08 2001

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