KCC WICHITA

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Doble Energy, Inc. Zimbeldement Specific Project Plant Inc. Zimbeldement Project Project Plant Inc. Zimbeldement Specific Project Proj	Type Test:	:				(See Instru	ictions on Rev	erse Side	=)					
Deliverability Deliverability Deliv	Ope	en Flov	٧			Took Date				ADI	No. 15				
bble Energy, Inc. Zimbedment QRAMAN 33-31 And Altributed Septiment NeyPorte Nobrara Gas Area Roservoir Roservoir Roservoir Roservoir Roservoir Roservoir Roservoir Roservoir Roservoir Roservoir Roservoir Roservoir Roservoir Roservoir Roservoir Roservoi	Del	liverabi	lty			lest Date);					0-00			
welly beyond by the property of the Nin-Section Section TWP RNG (EW) Acres Attributed eyeyone Reyone Nin-Sec 31 3S 41W Acres Attributed erry Creek Niobrara Gas Area Niobrara Reservoir Niobrara Gas Area Niobrara Reservoir Niobrara Gas Gas Gasheng, Connection Kinder Morgan via Cherry Creek Compressor Pedicing Transport 1598 Packer Set at Perforations To 1598 14-172 17#, 9.5# 9-7/8", 6-1/4" 317', 1639 1490 1530 1530 1530 1530 1530 1530 1530 153	Company Noble Energy, Inc.										orkman				
remy Creek Niobrara Gas Area Niobrara Kinder Morgan via Cherry Creek Compressor mipletion Date 15980 Plug Back Total Depth 15980 Packer Set at 15980 15980 15980 Packer Set at 15980 1490 15300							TWP			RNG (E/W)		Acres Attributed			
Serior Size Weight Internal Diameter Set al Perforations To 1459° 174, 9.5# 9-778°, 6-1/4" 317°, 1639' 1490° 1530' 1450° 1450°	Field Cherry C	reek f	Niob	orara Gas Are	a										
sing Size Weight 17#, 9.5# 9-78", 6-1/4" 317", 1639' 1490' 1530' 1	Completion Date										Packer Set at				
Internal Diameter Set at Perforations To 1.995" 1547 Set at Perforations To 1.995"	Casing Size Weight				Internal E										
Type Fluid Production Saltwater Production Pump Unit or Traveling Plunger? Yes / No public Production Pump Unit or Traveling Plunger? Yes / No public Plunding Plunding Plunger? Yes / No public Plunding Pl	Tubing Size			Weight	Internal Diameter		Set at	Set at							
Saltwater Yes Outcing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen Gas Gravity - G Nitrogen (Meter Run) (Prover) Size (AM) (PM) Gas Gravity - G OBSERVED SURFACE DATA Oursilion of Shut-in 48 Hours OBSERVED SURFACE DATA Oursilion of Shut-in 48 Hours Neilhead Pressure (Raining) Neilhead Pressure Neilhead Pressure (Raining) Nei	2-3/8"	nletion	(De							Pump Unit or Traveling Plunger? Yes / No					
price of Depth(H) Pressure Taps (Meter Flun) (Prover) Size (Meter Flun) (Prover) Si	Single (Gas)								Yes						
Pressure Buildup: Shut in 4/8/ 20 10 at 9:00 (AM) (PM) Taken 20 at	-	Thru	(Anr	nulus / Tubing)		% C	arbon Dic	oxide		% Nitroge	en	Gas Gr	avity - (G _g	
Started 4/8/ 20 10 at 9:00 (PM) Taken 20 at (AM) (PM) OBSERVED SURFACE DATA Duration of Shut-in 48 Hours and in the shape of the shap		epth(H)	424			Pressure Taps					(Meter	Run) (P	rover) Size	
Started 4/8/ 20 10 at 9:00 (PM) Taken 20 at (AM) (PM) OBSERVED SURFACE DATA Duration of Shut-in 48 Hours and in the shape of the shap				4/6/		10 9	:00			h 184				(44.0) (50.4)	
OBSERVED SURFACE DATA OBSERVED SURFACE DATA Duration of Shut-in 48 Hours In alta / Orifice namic Size poperty (inches) Pressure posity (inches) Prover Pressure inches H₂0 The paig (Pm) The paig (Pm) The pressure inches H₂0 The paig Position paig Position paig position paig position paig position (Hours) The plate Cicks ener Prover Pressure Pressure Pressure (P₂) or (Snut in			10 0:00		\mathcal{L}						
Size Prover Pressure Pressure Pressure Differential Prover Pressure Pressure Prover Pressure Prover Pressure Prover Pressure Pressure Pressure Pressure Pressure Pressure Prover Pressure	Well on Li	ine:		Started	2	0 <u> </u>		(AM) (PM)	Taken		20 .	at		(AM) (PM)	
Continue							OBSER	VED SURFACE	DATA		···	Duration of Shut-	in 48	Hours	
Company Comp	Dynamic Size							d Wellhead F	Wellhead Pressure (P _w) or (P _t) or (P _c)		Wellhead Pressure (P _w) or (P ₁) or (P _c)		1 '		
FLOW STREAM ATTRIBUTES Plate Defificient (F ₂)(F ₂) Power Pressure psia (OPEN FLOW) (DELIVERABILITY) CALCULATIONS (P ₂) ² = (P ₂)					l .			(P _w) or (P _t							
FLOW STREAM ATTRIBUTES Plate Coefficient (F _p) (F _p) Prover Pressure Ppia (P _p) ²	Shut-In														
Plate Coefficient (F _p) (Cubic Feet Pssure psia extension Factor F _p (F _p) (F _p) (McId) (Gravity G _m) (Gravity G _m) (McId) (Gravity G _m) (Gravity G _m) (McId) (Gravity G _m) (Gravity G _m) (Gravity G _m) (McId) (Gravity G _m) (Gravity G _m) (Gravity G _m) (McId) (Gravity G _m) (G	Flow														
Coefficient (F _p) (F _p) (P _p					<u> </u>	<u> </u>	FLOW S	TREAM ATTRI	BUTES						
Per Flow Mcfd @ 14.65 psia Deliverability The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of facts stated therein, and that said report is true and correct. Executed this the Witness (if any) Pd = 9000 (Pc)^2 - (Pa)^2 (Pa)^2 = 1.0 (Pc)^2 - (Pa)^2 (Pc)^2 - (Pc)^2 (Pc)^2	Coeffictient (F _b) (F _p)		Meter or Prover Pressure		Extension	Factor		Temperature Factor	Temperature Fa		actor R			Fluid Gravity	
Per Flow Mcfd @ 14.65 psia Deliverability The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of facts stated therein, and that said report is true and correct. Executed this the Witness (if any) Pd = 9000 (Pc)^2 - (Pa)^2 (Pa)^2 = 1.0 (Pc)^2 - (Pa)^2 (Pc)^2 - (Pc)^2 (Pc)^2															
Choses formula 1 or 2: 1. P _c ² - P _a ² Or (P _c) ² - (P _d) ² Or (P _c) ² - (P _d) ² Or (P _c) ² - (P _d) ² Or (P _c) ² - (P _d) ² Or (P _c) ² - (P _d) ² Or (P _c) ² - P _a ² Or (P _c) ² Or (P _c) ² - P _a ² Or (P _c) ² Or (P _c) ² Or (_				•	OW) (DEL	•		*				207	
(P _c) ² - (P _a) ² (P _c) ² - (P _w) ² (P _c) ² - P _c ² (P _c) ² (P _c	(P _c) ² =		<u>- : </u>									\' d [/]		non Flow	
Standard Slope Mcfd @ 14.65 psia Deliverability Mcfd @ 14.65 psia The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of facts stated therein, and that said report is true and correct. Executed this the Witness (if any) Witness (if any) Standard Slope Mcfd @ 14.65 psia Mcfd @ 14.65 psia The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of day of September 20 10 RECEI	$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_c)^2$		(P _c)² - (P _w)²			formula 1. or 2.		Slope = "n"		n x lOG		Antilog	Deliverability Equals R x Antilog		
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of facts stated therein, and that said report is true and correct. Executed this the		d'	٠.,	di	vided by: P _c ² - P _w		P P.	Standa	ard Slope		<u> </u>			(McId)	
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of facts stated therein, and that said report is true and correct. Executed this the															
facts stated therein, and that said report is true and correct. Executed this the 7th day of September 20 10 Witness (if any) RECEI	Open Flo	w		 	Mcfd @ 14.	65 psia		Deliverabi	ility			vicfd @ 14.65 ps	ia		
Witness (if any) Witness (if any) RECEI	The	undersi	igne	d authority, on	behalf of the	Company,	states that	t he is duly au	thorized	to make th	e above repor	t and that he ha	as knov	vledge of	
Witness (if any) RECEI Shorted by	he facts s	tated th	nerei	n, and that said	d report is true	e and correc	t. Execut	ed this the 7th	h	day of S	eptember			20 10	
Charlest by									(1/200	1.10	Runn	.+	+	
Charlest by				Witness (if a	any)					y VVV	For Co	ompany	سد	RECEIV	
' ALD U				For Commis	sion					<i>J</i>	Chec	ked by		SEP 09	

	der penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator_Noble Energy, Inc.
and that the fore correct to the bes of equipment inst I hereby requ	egoing pressure information and statements contained on this application form are true and st of my knowledge and belief based upon available production summaries and lease records tallation and/or upon type of completion or upon use being made of the gas well herein named. Lest a one-year exemption from open flow testing for the
	is a coalbed methane producer is cycled on plunger lift due to water is a source of natural gas for injection into an oil reservoir undergoing ER is on vacuum at the present time; KCC approval Docket No is not capable of producing at a daily rate in excess of 250 mcf/D se to supply to the best of my ability any and all supporting documents deemed by Commission by to corroborate this claim for exemption from testing.
Date: <u>9/7/10</u>	Signature:

Instructions:

If a gas well meets one of the eligibility criteria set out in KCC regulation K.A.R. 82-3-304, the operator may complete the statement provided above in order to claim exempt status for the gas well.

At some point during the current calendar year, wellhead shut-in pressure shall have been measured after a minimum of 24 hours shut-in/buildup time and shall be reported on the front side of this form under **OBSERVED SURFACE DATA**. Shut-in pressure shall thereafter be reported yearly in the same manner for so long as the gas well continues to meet the eligibility criterion or until the claim of eligibility for exemption **IS** denied.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than December 31 of the year for which it's intended to acquire exempt status for the subject well. The form must be signed and dated on the front side as though it was a verified report of annual test results.