RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

= :	: en Flo liverat				Test Date		ructions	on Reve	erse Side	API	l No. 15 -023-20174 ~	nana		
Company Noble Er		Inn						ase ilmer H	J:1+	10-	023-20174		Well Nu	ımber
County	nergy	IIIÇ	Locati	on	Section		TV		111t	RNG (E	/W)		Acres A	Attributed
Cheyenr	ne		SE-NV	<u> </u>	15		3	3		42W				
Field Cherry C	Creek				Reservoi Niobrar						thering Conne Morgan	ction		
Completio 6/5/1981		le			Plug Bac 1617'	k Total C	epth			Packer \$	Set at			
Casing Size 1-1/2"			Weigh 10.5#	Internal I 6-1/4"	Internal Diameter 6-1/4"			Set at 1650'		Perforations 1510'		то 1544'		
Tubing Size 2-3/8"			-	Weight 4.7#		Internal Diameter 1.995		Set at 1556'		Perforations		То		
Type Con	npletio	n (De			Type Flui	id Produc	ction	1330	·	Pump U	nit or Traveling	Plunger? Yes	/ No	
Single (gas)				Saltwa					Yes				_
Producing Tubing	g Thru	(Anı	nulus / Tubin	g)	% (Carbon D	ioxide			% Nitrog	gen	Gas Gr	avity - (G,
Vertical D	epth(F	- I)				Р	ressure ⁻	aps				(Meter I	Run) (P	rover) Size
			4 10		40 0	.EO D) 1								
Pressure	Buildu	-	Shut in		20_13_at_2			(PM) 7	Taken		20 .	at	((AM) (PM)
Well on L	ine:		Started _1/9		20 <u>13</u> at 2	:50 pm	(AM)	(PM)	Taken	•	20 .	at		(AM) (PM)
						OBSEF	RVED SU	RFACE	DATA	• • • •		Ouration of Shut-	1n 24	Hours
Static /	Orif		Circle one: Meter	Pressure Differential	Flowing	Well He	1 147	Casir ellhead P	_	1	Tubing ead Pressure	Duration	Liqui	d Produced
Dynamic Property	Siz (inch		Prover Pressu psig (Pm)	I	lemperature	perature Temperatu t t		(P _w) or (P ₁) or (P _c)		(P _w) or (P ₁) or (P _c)		(Hours)	(Barrels)	
Shut-In			psig (rill)	inches n ₂ 0	<u> </u>		75	sig	psia	psig	psia			
Flow					-		+,,							
			l			FLOWS	STREAM	ATTRI	BUTES				<u> </u>	
Plate			Circle one:	Press	Cro		Flow		<u> </u>		14.4. 15	000		Flowing
	Coeffiecient (F _b) (F _p)		Meter or over Pressure	Extension	Fac	Gravity Factor		Temperatura		viation Metered Flow actor R		GOR (Cubic Fe		- Fluid
Mcfd			psia	√ P _m xh	F	0	F		ļ , , ,	De .	(Mcfd)	Barrel)		G _m
D. 12			/D.\2		(OPEN FL			-					² = 0.2	:07
(P _c) ² =			(P _*) ² =	Choose formula 1 or			_ <u>*</u>		sure Curve	14.4 = _	: :	(P _d)	1	
(P _c)² - (I		(F	P _o) ² - (P _w) ²	1. P ₀ ² -P _a ²	LOG of formula	ŀ		Slope	8 = "N" 01	1,,	LOG	Antilog	Del	oen Flow iverability
or (P _e)²- (F	P _d) ²			2. P _c ² -P _d ² divided by: P _c ² -P	1. or 2. and divide by:	P.2. P.	2	Assi	igned rd Slope					R x Antilog (Mcfd)
						<u> </u>			• •				-	
										 				<u>.</u>
Open Flo				Mcfd @ 14	1.65 psia		De	liverabil	lity	<u> </u>	N	1cfd @ 14.65 psi	ia	
The	unders	igne	d authority, o	n behalf of th	e Company,	states the	at he is	duly aut	thorized t	o make ti	he above repor	t and that he ha	as know	ledge of
		-	•	aid report is tr				•			•			20 13
							_	_					KC	C W!C
			Witness (fany)							For Co	mpany	•	- 1110
			For Comm	vission		·····					Check	ed by	DE	C 30 2

aws of the state of Kansas that I am authorized to request of the operator Noble Energy Inc statements contained on this application form are true and red upon available production summaries and lease records detion or upon use being made of the gas well herein named. The statements were statements of the gas well herein named. The statements were statements of the gas well herein named. The statements of the gas well herein named. The statements of the gas well herein named.
water fection into an oil reservoir undergoing ER e; KCC approval Docket No a daily rate in excess of 250 mcf/D
ity any and all supporting documents deemed by Commission emption from testing.
re: Kulkulu mills le: Regulatory Analyst
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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.

DEC 3 0 2013