KANSAS CORPORATION COMMISSION OIL'& GAS CONSERVATION DIVISION

Form ACO-1

September 1999 Form Must Be Typed

ORIGINA

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33190	API No. 15 - 023-21059-0000
Name: Noble Energy, Inc.	County: Cheyenne
Address: 1625 Broadway, Suite 2200	N2 -NW - NW - SW Sec. 6 Twp. 4 S. R. 41 East West
City/State/Zip:Denver, CO 80202 `	feet from S/ N (circle one) Line of Section
Purchaser: Kinder Morgan	feet from E (W)(circle one) Line of Section
Operator Contact Person: Jennifer Barnett	Footages Calculated from Nearest Outside Section Corner:
Phone: (303) 228-4235	(circle one) NE SE NW SW)
Contractor: Name: Excell Services Inc., Wray, CO	Lease Name: Zweygardt Well #: 13-6
License: 8273	Field Name: Cherry Creek Niobrara Gas Area
Wellsite Geologist: none	Producing Formation: Niobrara
Designate Type of Completion:	Elevation: Ground: 3531' Kelly Bushing: 3540'
New Well Re-Entry Workover	Total Depth: 1655' Plug Back Total Depth: 1572'
OilSWDSIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at 188',cmt w/ 65 sx Feet
Gas ENHR SIGW	Multiple Stage Cementing Collar Used? ☐ Yes ✓ No
Dry Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth setFeet
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from n/a
Operator: n/a	
Well Name:	feet depth to w/ Altible Sx cmt.
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan
Deepening Re-perf Conv. to Enhr./SWD	(Data must be collected from the Reserve Pit)
Plug Back Plug Back Total Depth	Chloride contentppm Fluid volumebbls
Commingled Docket No.	Dewatering method used
•	Location of fluid disposal if hauled offsite:
	Operator Name:
Other (SWD or Enhr.?) Docket No.	Lease Name: License No.:
7/15/2008 7/17/2008 8/14/2008	Quarter Sec TwpS. R
Spud Date or Date Reached TD Completion Date or Recompletion Date	County: Docket No.:
<u> </u>	333.7
Kansas 67202, within 120 days of the spud date, recompletion, workov Information of side two of this form will be held confidential for a period of 107 for confidentiality in excess of 12 months). One copy of all wireline log- TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged well-	
All requirements of the statutes, rules and regulations promulgated to regulations	75 1. 1V
herein are complete and correct to the best of my knowledge.	NOTARY
Signature: WMML DAWLTI	KCC Office Use ONLY
Regulatory Analyst 2/18/19	· PUBLO · SEM
Title: Regulatory Analyst Date: Date:	Letter of Confidentiality Received
Subscribed and sworn to before me this day of	111110
2009	Wireline Log Received KANSAS CORPORATION COMMISSION
Willeman Take	
My Commission Expires 09/11/20	110 UIC Distribution MAR 1 9 2009
Date Commission Expires:	RECEIVED
	" " CINED

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Operator Name: Noble Energy, Inc.			Lease	_ Lease Name: Zweygardt			Well #:		
Sec. 6 .Twp. 4	S. R. 41	☐ East	County:	Cheye	enne				
ested, time tool oper emperature, fluid red	n and closed, flowing covery, and flow rates	nd base of formations and shut-in pressure if gas to surface tes nal geological well sit	es, whether shi t, along with fir	ut-in pre	ssure reache	d static level, hydro	static pressu	res, bottom hole	
(Attach Additional Sheets) Samples Sent to Geological Survey		☐ Yes ✓ No		Log Formation (T		ition (Top), Depth a	Top), Depth and Datum		
		Yes 🗹 No		Name Niobra			Top 1375'	Datum	
		☐ Yes 🗾 No							
Electric Log Run (Submit Copy)		✓ Yes No							
ist All E. Logs Run:									
			NG RECORD	✓ Ne		,			
Purpose of String	Report all strings set-cond Size Hole Size Casing			tor, surface, intermediate, production Weight Setting		Type of	# Sacks	Type and Perce	
	Drilled Set (In O.D.)		Lbs. /		Depth 188'	Cement 50/50 DOZ	Used 65 sx	Additives 3% CeCl, .25% Flo	
Surface	9 7/8"	7"		17 Lbs/Ft. 10.5 Lbs./Ft.		50/50 POZ		 	
Production	6 1/4"	4 1/2"	10.5 Lt	os./Ft.	1615'	Lead Type III	36 sx	12% Gel, 2% CeCl, .25% Pc	
, <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	,	ADDITION	IAL CEMENTIN	IG (SOL)	EEZE DECO	Tail Type III	56 sx	2% Gel, 1% CFI	
Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Cement	#Sacks (ELZE NEGO!		ercent Additive	S	
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth				
3 spf	Perf Niobrara int	erval from 1375'-1	from 1375'-1412'			Niobrara frac'd with 500 gals 7.5% HCL acid, 12,000 gals of			
	(37', 3spf, 111 holes) .41" EHD, 120 degree ph			hase 25% CO2 foamed gel pad; 32,045 gals 25% CO2 foamed					
		······································			gel carrying 100),580 lbs 16/30 sand. AT	P-588 psi; ATR-	14.8 bpm.	
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TUBING RECORD	Size 2-3/8"	Set At 1,442'	Packer At n/a		Liner Run	Yes No	·		
Date of First, Resument	d Production, SWD or E	nhr. Producing I	·	Flowing) Pum	ping Gas Lift		er (Explain)	
Estimated Production Per 24 Hours	Oil	Bbls. Gas	Mcf	Wate	er .	Bbls. G	as-Oil Ratio	Gravity	
Disposition of Gas	METHOD OF C	0 OMPLETION	115		Production Int				
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