

KANSAS CORPORATION COMMISSION RIGINAL OIL & GAS CONSERVATION DIVISION

September 1999 Form Must Be Typed

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33190	API No. 15 - 023-21067-00-00
Name: Noble Energy, Inc.	County: Cheyenne
Address: 1625 Broadway, Suite 2200	W2 -NE - NE - NE Sec. 13 Twp. 2 S. R. 39 ☐ East West
City/State/Zip: Denver, CO 80202	330' feet from S /(N) (circle one) Line of Section
Purchaser:	540' 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	
Contractor: Name: Excell Services Inc., Wray, CO	(circle one) NE SE NW SW Lease Name: Keller Farms Well #: 41-13
	Field Name: Cherry Creek Niobrara Gas Area
License: 8273	
Wellsite Geologist: none	Producing Formation: Niobrara 3246'
Designate Type of Completion:	Elevation: Ground: 3240' Kelly Bushing: 3246'
New Well Re-Entry Workover	Total Depth: 1370' Plug Back Total Depth: 1318'
Oil SWD SIOW Temp. Abd.	Amount of Surface Pipe Set and Cemented at 119', cmt w/ 52 sx Feet
Gas ENHR SIGW	Multiple Stage Cementing Collar Used?
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	feet depth tosx cmt.
Well Name:	Drilling Fluid Management Plan AH I NCC 3-31-09
Kansas 67202, within 120 days of the spud date, recompletion, workove information of side two of this form will be held confidential for a period of	(Data must be collected from the Reserve Pit) Chloride content ppm Fluid volume bbls Dewatering method used Location of fluid disposal if hauled offsite: Operator Name: License No.: Quarter Sec Twp S. R East West County: Docket No.: th the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, wer or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. 12 months if requested in writing and submitted with the form (see rule 82-3-18) and geologist well report shall be attached with this form. ALL CEMENTING
All requirements of the statutes, rules and regulations promulgated to regulation are complete and correct to the best of my knowledge. Signature: Title: Regulatory Analyst Subscribed and sworn to before me this Aday of JANUARY Notary Public: 9/11/10	KCC Office Use ONLY Letter of Confidentiality Received Confidentiali
•	CONSERVATION DIVISION WICHITA, KS

Operator Name: N	oble Energy, Inc.		Lease Na	ame: Ke	eller Farms		. Well #: <u>41-</u> 1	13	
Sec. 13 Twp. 2	S. R. 39	East West	County: _	Cheye	nne		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·
ested, time tool oper emperature, fluid red	n and closed, flowing covery, and flow rates	nd base of formations pe and shut-in pressures, v if gas to surface test, al nal geological well site re	vhether shut- ong with final	in pres	ssure reached s	static level, hydros	static pressur	es, botton	n hole
Drill Stem Tests Take		Yes 🗹 No		∠ Lo	g Formatio	on (Top), Depth ar	nd Datum	s	ample
Samples Sent to Geo	,	Yes V No		Name Niobra			Тор 1156'	C)atum
Cores Taken Electric Log Run (Submit Copy)	10	Yes No Yes No		1410010					
	necd 3/0gs (DEN/NEU/IN	= tot. Dy, CBL/CCL/GR							
2/09									
		CASING F	_	Nev ce, inter		ion, etc.			
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used		nd Percent Iditives
Surface	9 7/8"	7"	17 Lbs/Fi	t.	119'	50/50 POZ	52 sx	3% CaCl,	.25% Flo-cele
Production	6; ₁ /4"	4-1/2"	9.5 Lbs/F	t.	1359'	Lead Type III	25 sx	12% gel, 2% (CaCl, .25% Polyflake
						Tail Type III	56 sx	2% gel,	1% CFL-80
		ADDITIONAL	CEMENTING	/ SQUI	EEZE RECORD	1			· · · · · · · · · · · · · · · · · · ·
Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Cement	#Sacks Us	ed		Type and Pe	ercent Additives	S	
Shots Per Foot		ON RECORD - Bridge Plug- Footage of Each Interval Perf				cture, Shot, Cement	•	rd	Depth
3 SPF	Perf Niobrara inte	erval from 1155'-119	2'		Niobrara frac'd w	vith 500 gals 7.5% H	ICL acid, 12,00	00 gals of	
	(37', 3spf, 111 ho	oles) .42" EHD, 120 d	degree pha	se	25% CO2 foam	ed gel pad; 31,789	gals 25% CO2	2 foamed	
					gel carrying 100,1	80 lbs 16/30 sand. AT	P-531 psi; ATR-	14.7 bpm.	
TUBING RECORD	Size	Set At	Packer At		Liner Run	Yes ☑ No			
Date of First, Resumer Waiting on hooks	d Production, SWD or E	nhr. Producing Meth		Flowing	Pumpir	ng Gas Lift	Oth	ner (Explain)	* I
Estimated Production Per 24 Hours	Oil	Bbls. AGAS	Mcf.	Water	т В	bls. G	as-Oil Ratio		Gravity
Disposition of Gas	METHOD OF C				Production Inter	val .			† ·
¹ Uented Sold	Used on Lease ubmit ACO-18.)	Open Hole of Open	W Person	D D	ually Comp.	Commingled			
,		COVOLETA	70				•		

My Commission Expires 09/11/2010

BISON OIL WELL CEMENTY G, INC.



1738 Wynkoop St., Sie. 102 Denver, Colorado 80202
Phone: 303-296-3010

Phone: 303-296-3010 Fax: 303-298-8143 E-mail: bisonoil1@qwest.net

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LOCATION	NE		
	1000		
MIS	#		6, 61. 22. 9

DATE K	Ellev Fari	WELL HAME	3	SECTION 13	ON TWP	79m	C6 192		FORMATION		
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	5X6211			30.	OPERATOR						
MAILING ADDRESS					CONTRACTOR EXCELL						
					DISTANCE TO LOCATION						
TE ZIP CODE	11.16	2	9:30		TIME LEFT LOCATION	12/00					
ARRIVED ON LOCATION	11:02	DATA:	(170		HIRC CO I COURTON	PRESSURE L	IMITATIONS				
01/11		LUAIA	accompanion .			THEORI	TICAL	u	ISTRUCTED		
ESIZE 7/6	TUBING SIZE		PERFORATIONS		SURFACE PIPE AUMULUS LONG	74 14 24					
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SING SIZE	TUBING CONDIT	ON		4.4	TYPE OF TREATM	MENT	76	EATMEN	T RATE		
ING DEPTH / //			TREATMENT VIA		STRFACE PIPE		BREAKDOWN BP	М			
and weight / 717	PACKER DEPTH				[] PRODUCTION CASING		INITIAL BPM				
ING CONDITION							FINAL BPM				
	PRESSUR	E SUMMARY			SOFEZE COMENT		MINIMUM BPM	Viit.			
AKDOWN or CIRCULATING) pšt	AVERAGE	psi		[] ACID BREAKDOWN		MAXMUM BPAL				
AL; DISPLACEMENT	psi	TSIP	psi		[] ACID STRAULATION		AVERAGE EPM				
VULUS	psi	5 MIN.SIP	pet		[] ACID SPOTUNG		WACLINGE BLILL				
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XIMUM NIMUM	psi psi O JOB <i>MTR</i> L	15 MIN SIP	psi		[] MISC PLAIP [] OTHER	Sice.	HYO HAP ≈ RATI	E X POESSU	TE X 40.8		
WANDAM NIMEM	pši				[]OTHER	sicc Vinic Visfi7		E X POESSU	NEX 40.8		
NIAHM	pši				[]OTHER	FAICE VS MIX V HOS FIT		E X PBESSU	NE X 40.8		
AXIMUM NIMUM	pši				[]OTHER	Elice Virix Visfi7		EX PRESSU	NE X 40.8		
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BISON OIL WELL CEMENTPS, INC. 1738 Wyrikoop St., Ste. 102 Denver, Colorado 80202 Phone: 303-296-3010 Fax: 303-298-6143 E-mail: bisonolil@qweat.net



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