

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

Form ACO-1 September 1999 Form Must Be Typed

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33190	API No. 15 - 023-21164-00-00
Name: Noble Energy, Inc.	County: Cheyenne
Address: 1625 Broadway, Suite 2200	NE_SW_NE_SE_Sec. 7 Twp. 2 S. R. 38 East West
City/State/Zip: Denver, CO 80202	1,750' feet from N (circle one) Line of Section
Purchaser:	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: Keller Farms Well #: 43-7
License: 8273	Field Name: Cherry Creek Niobrara Gas Area
Wellsite Geologist: none	Producing Formation: Niobrara
Designate Type of Completion:	Elevation: Ground: 3370' Kelly Bushing: 3379'
New Well Re-Entry Workover	Total Depth: 1510' Plug Back Total Depth:
Oil SWD SIOW Temp. Abd.	Amount of Surface Pipe Set and Cemented at 233', cmt w/ 86 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:	
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) 3-25-09
Deepening Re-perf Conv. to Enhr./SWD	Chloride content ppm Fluid volume bbls
Plug Back Plug Back Total Depth	Dewatering method used
Commingled Docket No	
Dual Completion Docket No	Location of fluid disposal if hauled offsite:
Other (SWD or Enhr.?) Docket No	Operator Name:
11/22/2008 11/22/2008 n/a	Lease Name: License No.:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East West
Recompletion Date Recompletion Date	County: Docket No.:
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	th the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, were 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 82-3-12 sand geologist well report shall be attached with this form. ALL CEMENTING s. Submit CP-111 form with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations promulgated to regulate herein are complete and correct to the best of my knowledge.	the rine oil analysis industry have been fully complied with and the statements
Signature: Jumpa Bunett	KCC Office Use ONLY
Title: Regulatory Analyst Date: 1/28/07	Letter of Confidentiality Received
Subscribed and sworn to before me this 28 day of JANUARS	If Denied, Yes Date:
20.09	OF COL Wireline Log Received RECEIVED Geologist Report Received KANSAS CORPORATION COMMISS
Notary Public: Whole Catherine	
Date Commission Expires: My Commission Expires 09/11/2010	
DATE CONTINISSION CAPITES.	CONSERVATION DIVISION WICHITA, KS

Operator Name: Nob	le Energy, Inc.		Lease Name	Keller Farm	IS	Well #: <u>43</u>	-7
Sec Twp	S. R	☐ East 🗹 West	County: Che				
INSTRUCTIONS: Show tested, time tool open a temperature, fluid recove Electric Wireline Logs s	ind closed, flowing ery, and flow rates	and shut-in pressures if gas to surface test,	s, whether shut-in p along with final cha	ressure reache	ed static level, hydr	ostatic pressu	res, bottom hole
Drill Stem Tests Taken (Attach Additional Sh	eets)	Yes V No		Log Form	ation (Top), Depth	and Datum	Sample
Samples Sent to Geolo Cores Taken Electric Log Run (Submit Copy)	gical Survey	Yes No Yes No Yes No	Na Niol	me Drara		Top 1303'	Datum
List All E. Logs Run:							
Triple Combo (I	DEN/NEU/IN	D)					
			RECORD O -conductor, surface, in		uction etc		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	9 7/8"	7"	17 Lbs/Ft.	233'	50/50 POZ	86 sx	3% CaCl, .25% Flo-cele
E H	Ţ.						
		ADDITIONA	L CEMENTING / SC	UEEZE RECOF	RD		
Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Cement	#Sacks Used		Type and F	Percent Additives	S
Shots Per Foot		ON RECORD - Bridge Plu ootage of Each Interval Pe			racture, Shot, Cement Amount and Kind of Ma		rd Depth
TUBING RECORD	Size	Set At	Packer At	Liner Run	Yes V No		
Date of First, Resumerd Pr	oduction, SWD or En	hr. Producing Me	thod, Flowin	g Dum		t Oth	er <i>(Explain)</i>
Estimated Production Per 24 Hours	Oil B	ibls. Gas	Mcf 1 War	1		as-Oil Ratio	Gravity
Disposition of Gas	METHOD OF CO	OMPLETION '	16,20	Production Into	erval		
Vented Sold [Used on Lease t ACO-18.)	Open Hole	Perf.	Dually Comp.	Commingled		,

BISON OIL WELL CEMENTING, INC. 1738 Wynkoop St., Ste. 102



PES INVOICE # 81	<u> </u>
LUCATION ICS	
FOREMAN Alex	LDowen

Denver,	Colorado 80 303-296-301	202 0 ·	. :					1. 17.	. 10 .	
Fax: 303	-298-8143					F		len L Do	WEK	
E-mail: b	ojsonoil1@qv	estoffice.net	TREA	ATMEN	IT REI	PORT	MA			
DATE		WELL NAME		SEC	TION	TWP	RGE	COUNT	Y FORMATION	<u> </u>
11-22-08 Ki	11 er Fm	rms 4	7	7		25	38W	Chest	ne	
					OWNER	· · · · · · · · · · · · · · · · · · ·				
CHARGE TO METHERSON			·································	OPERATOR SCOTT						
					CONTRACTOR METHERSON					
CITY				DISTANCE TO LOCATION						
STATE ZIP CODE	176.0	R / #:					00			;
TIME ARRIVED ON LOCATION	• .	L DATA	-				PRESSURE	LIMITATIONS		
HOLE SIZE 97/4	TUBING SIZE		PERFORATIONS			·	THEOR	ETICAL	INSTRUCTED	
TOTAL DEPTH 2330	TUBING DEPTH		SHOTS/FT		SURFACE	PIPE ANNULUS LONG	, ,			
TOTAL COLL INC. SAC.	TUBING WEIGH		OPEN HOLE		STRING		-:			٠.,
CASING SIZE 7"	TUBING CONDI		100 200 100 200		TUBING		1 14 7			
CASING DEPTH 335	TRAINED CONDA	1014	TREATMENT VIA			TYPE OF TREATM	IENT .	TRE	ATMENT RATE	
CASING WEIGHT / 7	PACKÉR DEPTH		THENTHEIST TIA		[] SURF	ACE PIPE		BREAKDOWN BPM		
	TAGACH OLD 111		 			UCTION CASING		INITIAL BPM		
CASING CONDITION Good	PRESSUE	RE SUMMARY	<u> </u>		[] SQEEZE CEMENT			FINAL 8PM		
Breakdown of Circulating p		AVERAGE	psi		[] ACID BREAKDOWN			MINIMUM BPM		
	si.	ISIP.	·			TIMULATION	, ,	MAXIMUM BPM	and the second	
		+			[] ACID SPOTTING AVERAGE BPM					
i i	ANNULUS psi 5 MIN SIP psi MAXIMUM psi 15 MIN SIP psi		<u>·</u>	[] MISC				* *		
	si i	15 440 500	ум		[] OTHER HYD HHP = RATE X PRESSURE X 40.8			(PRESSURE X 40.8		
Authusina b	NA I				1 , 0					
INSTRUCTIONS PRIOR TO JO	ов и	ATPL	<u></u>	Ff.	mew	Lias -	<i>55</i> T	-CILG		
m-0 865K	s 50/	50802	31 Back	17	25%	BEFA-1	9.7 m	'x H20		
Displace Si	Z BBI	LS Hac	2 RBL	Stal	7;+	Shut:	- well	4 M	bunto Pit	
Ris Dou				THE STREET		_	1	•	. •	1,
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IOD CHAMADY				,						
JOB SUMMARY DESCRIPTION OF JOB EVEN		TRI	12:00 5- 4	W	دداء	~ 12i0.	5			
CEMENT	12:09		Disc	100-	e l	2:16				
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			2041		<u>w cr</u>					
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							:		WICHITA, KS	
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killer AUTHORIZATION TO PROCEED TITLE

BISON OIL WELL CEMENTY 5, INC.



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

Fax: 303-298-8143

E-mail: bisonoli1@qwest.net

NVOICE # 80	076	
LOCATION 15		
FOREMAN STANICY	RISTIM	pron

	TION TWP RGE COUNTY FORMATION
DATE TATAWELL NAME SET	TION TWP RGE COUNTY FORMATION CLESSING
CHARGE TO EXCE!	OWNER
MAILING ADDRESS	OPERATOR GVEG
CITY	CONTRACTOR EXCELL RISIT
STATE ZIP COOE	DISTANCE TO LOCATION
TIME APRIVED ON LOCATION 2,20 R /100	TIME LEFT LOCATION 4130
WELL DATA	PRESSURE LIMITATIONS
HOLE SIZE 44 TUBING SIZE PERFORATIONS	THEORETICAL INSTRUCTED
TOTAL DEPTH /5 // TUBING DEPTH SHOTS/FT	SURFACE PIPE ANNULUS LONG
Drillile Tubing Weight OPEN HOLE	STRBNG
TUBING CONDITION	TUBING
CASHINODEPTH 150 KINSONT SULFACE HOMENENA	TYPE OF TREATMENT TREATMENT RATE
CASING WEIGHT PACKER DEPTH	[] SURFACE PIPE BREAKDOWN BPM
CASING-CONDITION SECOND	[] PRODUCTION CASING INITIAL BPM
PRESSURE SUMMARY	() SQEEZE CEMENT FINAL BPM
BREAKDOWN OF CIRCULATING . psi AVERAGE . psi	[] ACID BREAKDOWN MINIMUM-8PM
FINAL DISPLACEMENT PS ISIP DS	I TACID STIMULATION MAXIMUM BPM
ANNULIS psi 5 MIN SIP psi	[JACID SPOTTING AVERAGE BPM
MAXIMUM psi 15 MIN SIP psi	[JMISC PUMP
MINIMUM	MOTHER PLAY & ABANDON HYD HIP = RATE X PRESSURE X 40.8
	EST-CIFC
	3CFC-80-256BCFA-1
Displace 4115 BBIS H20 washe	Propit Rigidoun
JOB SUMMARY	and the second s
DESCRIPTION OF JOB EVENTS MIKE 2170 SAFT	Pure 1714-230
1) m-1365ks CEMENT - 2142 Disp	14cc 20BB153108
2)m-p3\$5KSCEMENT-308 DSP10	1120 TIS -3:13
3) mp 10 sks comey - 4:06 Displa	LE 1.50BB-3:4B
	RECEIVE
	KANSAS CORPORATION COMMISSION
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	JAN 2.0 2000
	CONSERVATION DIVISION
	WICHITA, KS
$\mathcal{V} = \mathcal{V} \cup \mathcal{V}$	11-23-08
AUTHORIZATION TO PROCEED TI	TLE DATE