Kansas Corporation Commission Oil & Gas Conservation Division

ORIGINAL

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33190	API No. 15 - 023-21224-00-00
Name: Noble Energy, Inc.	Spot Description:
Address 1: _ 1625 Broadway, Suite 2200	NE_SE_NW_SW Sec. 5 Twp. 4 S. R. 41 ☐ East 🗸 West
Address 2:	1,700 Feet from North / South Line of Section
City: Denver State: CO Zip: 80202 +	1,250 Feet from East / West Line of Section
Contact Person: Jennifer Barnett Phone: (303) 228-4342	Footages Calculated from Nearest Outside Section Corner: NE NW SE SW County: Cheyenne Lease Name: Wiese Well #: 13-5 Field Name: Cherry Creek Niobrara Gas Area Producing Formation: Niobrara
Designate Type of Completion:	Elevation: Ground: 3571' Kelly Bushing: 3577' Total Depth: 1635' Plug Back Total Depth: 1588'
✓ New Well Re-Entry Workover Oil WSW SWD SIOW ✓ Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	Amount of Surface Pipe Set and Cemented at: Set @ 221' w/ 100 sx Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set:
If Workover/Re-entry: Old Well Info as follows:	
Operator:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:	Chloride content: ppm Fluid volume: bbls
☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD ☐ Conv. to GSW	Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	Quarter Sec TwpS. R
ENHR Permit #:	County: Permit #:
GSW Permit #:	osany.
8/26/2010 8/27/2010 9/17/2010 Spud Date or Date Reached TD Completion Date or	
Recompletion Date Recompletion Date	
Kansas 67202, within 120 days of the spud date, recompletion, workover or confiside two of this form will be held confidential for a period of 12 months if recompletions.	the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information quested in writing and submitted with the form (see rule 82-3-107 for confidenell report shall be attached with this form. ALL CEMENTING TICKETS MUST orm with all temporarily abandoned wells.
	W00 077 11 01111
AFFIDAVIT I am the affiant and I hereby certify that all requirements of the statutes, rules and lations promulgated to regulate the oil and gas industry have been fully complied and the statements herein are complete and correct to the best of my knowled.	d with Letter of Confidentiality Received
1 -1 0	Confidential Release Date:
Va 10 150000	☑ Wireline Log Received

Date: 10/11/10

Title: Regulatory Analyst

UIC Distribution

ALT | I II III Approved by:



Side Two

Operator Name: Noble Energy, Inc.			Lease	Lease Name: Wiese			Well #:13-5				
Sec. <u>5</u> Twp. 4 S. R. 41 ☐ East			Coun	nty: Chey	/enne						
INSTRUCTIONS: Shiftime tool open and clorecovery, and flow rate line Logs surveyed.	osed, flowing and shi es if gas to surface to	ut-in pressi est, along v	ures, whether s with final chart(:	hut-in pre	essure rea	ched static level,	hydrostatic p	ressures, bottom	hole temp	erature, fluid	
Drill Stem Tests Taken			es ✓ No		✓ Log Formation (Top), Depth ar			h and Datum	and Datum Sample		
Samples Sent to Geological Survey		ПΥ	Yes 🗸 No		1	Name Niobrara		Top 1414'		Datum	
Cores Taken			☐ Yes ☑ No		NIODIZ	INODIAIA					
Electric Log Run Electric Log Submitted Electronically (If no, Submit Copy)		✓ Y	_								
List All E. Logs Run: Triple Combo, A CBL/VDL/GR/C		nent Vo	lume,								
		_	CASING								
Purpose of String	Size Hole		ort all strings set-c e Casing	1	surface, inte	ermediate, producti Setting	on, etc. Type of	# Sacks	Type	and Percent	
ruipose of Suring	Drilled	Se	t (In O.D.)	Lbs	s. / Ft.	Depth	Cement	Used	, A	dditives	
Surface	9-7/8"	7"		23#		221'	50/50 POZ	Z 100 sx	3% CaCl, 2% Gel, .25% Flo-Cel		
Production	6-1/4"	4-1/2"		11.6#		1632'	50/50 POZ	Z 44 sx	12% Gel, 2% CaCl		
							50/50 PO2	56 sx	2% Gel	, 1% CFL-80	
			ADDITIONAL	CEMEN	TING / SQL	JEEZE RECORD					
Purpose: —— Perforate —— Protect Casing	Depth Top Bottom	Type of Cement		# Sacks Used		Type and Percent Additives					
Plug Back TD Plug Off Zone										to the second of	
Shots Per Foot							cture, Shot, Cement Squeeze Record nount and Kind of Material Used) Depth				
3 SPF	Perf Niobrara interval from 1414'-1462'				Niobrara Frac'd with 500 gals 7			7.5% HCL acid, 12,000 gals of			
(48', 3spf, 144 holes) .41" EHD, 120 dee				gree pha	hase 30% CO2 foamed gel pad, 32,327 ga			27 gals of 30% CO2 fo	oamed gel,		
					carrying 50,080 lbs 16/30 AZ and 50,020 lbs 12/20 Daniels sand.						
						Avg. Psi: 75	8 psi, Avg. F	Fl. Rate: 10.2 bp	m.		
TUBING RECORD:	Size:	Set At:		Packer	· At:	Liner Run:	Yes] No			
Date of First, Resumed 9/27/2010	Production, SWD or Ef	IHR.	Producing Meth	nod: Pump	oing 🗌	Gas Lift 🔲 C	Other (Explain)				
Estimated Production Per 24 Hours	Oil	Bbls	Gas	Mcf 97	Wat		bls. O	Gas-Oil Ratio		Gravity	
DISPOSITI	ON OF GAS:			METHOD (OF COMPLE	ETION:	Т	PRODUCTI	ON INTER	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
Vented ✓ Sold	_		, _	Perf.		Comp. Cor	nmingled mit ACO-4)		J		
(If vented, Su	bmit ACO-18.)		Other (Specify)		,	, , , , , , , , , , , , , , , , , , , ,					

BISON OIL WELL CEMENTING, INC.



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

Fax: 303-298-8143 E-mail: bisonoll1@qwest.net

AUTHORIZATION TO PROCEED

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			moderation. In generalization of the constitutions	grandenske b	OWNER					
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TIME ADDIVED ON COUNTY		L DATA	2 4		d		PRESSURE L	IMITATIONS		
HOLE SIZE 6/4	TORING SIZE		PENFORATIONS				THEORI	RETICAL INSTRUCTED		
TOTAL DEPTH 1635	ment of the		SHOTS/FT		SURFACE 1	THE AMPULUS LONG				
mine di in ito 22	TOTAL STAGEO		DPEN HOLF		STRING					
CASHE SEE 1/2	TURBING CONDIT	1014			THBMG					
E	A PB 158		IREALMENT VIA			TYPE OF TREAT	MENT	TREAT	MENT RATE	
CASHIN WEIGHT 11.6	PACKER DEPTH				1 SURFA	ICE PIPE		BUEVKDOAN OLM		
CASING CONDITION 900					№ PRODUCTION CASING			MITTAL BPM		
	PRESSUR	E SUMMARY			SOEEZE CEMENT			FINAL BPM		
BIEAKDONNI NI CIPICULATI	Wi ps	AVERAGE	psi		JACID 8	DREAKDOWN		MINIMUM OPM		
THAL DISPLACIONENT	psi	ISIP	psi		[] ACID STIMULATION			MAXIMUM BPM		
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JOB SUMMARY DESCRIPTION OF JOB	8:00	Oa.	8'30 am	8:344	F1 8.	135000	8:45 Am	8:50 Am	8.52 pm	
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