## Kansas Corporation Commission Oil & Gas Conservation Division

\* Final A(0-1

Form ACO-1 September 1999 Form Must Be Typed

# OIL & GAS CONSERVATION DIVISION WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE GIVEN A

Operator: License # 33190		API No. 15 - 023-21126-00-00	AMENISEA
Name: Noble Energy, Inc.		County: Cheyenne	
Address: 1625 Broadway, Suite 2200	<del></del>	N2 -SW - SW - NE Sec. 12 Twp. 2	S R 39 Fact V Wast
City/State/Zip: Denver, CO 80202		0.000	N (circle one) Line of Section
Purchaser: Southern Star		0.040	W (circle one) Line of Section
Operator Contact Person: Jennifer Barnett			•
Phone: (303) 228-4235		Footages Calculated from Nearest Outside	
Contractor: Name: Excell Services Inc., Wray,	CO	(	W SW Well #: 32-12
		Field Name: Cherry Creek Niobrara Gas	
License: 8273			, 1100
<b>3</b> /		Producing Formation: Niobrara	3310'
Designate Type of Completion:		Elevation: Ground: 3310' Kell	•
New Well Re-Entry	_ Workover	Total Depth: 1472' Plug Back Total De	•
Oil SWD SIOW	Temp. Abd.	Amount of Surface Pipe Set and Cementer	d at 170', cmt w/ 58 sx Feet
Gas ENHR SIGW		Multiple Stage Cementing Collar Used?	Yes V No
Dry Other (Core, WSW, Exp	pl., Cathodic, etc)	If yes, show depth set	Feet
If Workover/Re-entry: Old Well Info as follows	<b>3</b> :	If Alternate II completion, cement circulate	d from_n/a
Operator: n/a		feet depth tow/	sx cmt.
Well Name:		Dulling Plate 14	111 = 200 2-11 00
Original Comp. Date: Original	Total Depth:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)	11+ I NUR 3-4-09
Deepening Re-perf	Conv. to Enhr./SWD	Chloride contentppm FI	uid volumebbls
Plug BackP	lug 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:	
,		Lease Name: Lic	ense No.:
9/5/2008 9/7/2008 Spud Date or Date Reached TD	11/13/2008 Completion Date or	Quarter Sec TwpS	R
Recompletion Date	Recompletion Date	County: Docket N	lo.:
Kansas 67202, within 120 days of the spu Information of side two of this form will be he 107 for confidentiality in excess of 12 months	d date, recompletion, worko eld confidential for a period of s). One copy of all wireline log	th the Kansas Corporation Commission, 130 S. Nover or conversion of a well. Rule 82-3-130, 82 is 12 months if requested in writing and submitted as and geologist well report shall be attached with the submit CP-111 form with all temporarily abar	2-3-106 and 82-3-107 apply. with the form (see rule 82-3- this form. ALL CEMENTING
All requirements of the statutes, rules and reg herein are complete and correct to the best of		MEND!	mplied with and the statements
Signature: <u>HAMMEL</u> DUM Title: Regulatory Analyst	utt g	NOTARY KCC Office	Use ONLY
Title: Regulatory Analyst	Date: 1/00/07/	Letter of Confidentialit	
Subscribed and sworn to before me this 22	Lay of JANUAR	If Denied, Yes Dat	e:
20 09 M		Wireline Log Received	RECEIVED
Minda	7/2/K_	Geologist Report Rece	ived KANSAS CORPORATION COMMI
Notary Public:	100/	UIC Distribution	JAN 2 6 2009
Date Commission Expires: My Con	nmission Expires 09/11/20	טוט	JAIA C A COM2

Operator Name:N	oble Energy, Inc.			Lease	Name:_	Celler Farms		Well #: 32-	12	
Sec. 12 Twp. 2	S. R. 39	☐ East	<b>✓</b> West	County	y: Chey	enne				
INSTRUCTIONS: SI tested, time tool oper temperature, fluid red Electric Wireline Log	n and closed, flowing covery, and flow rates	and shute if gas to	in pressures, v surface test, al	whether st long with f	hut-in pre	ssure reached	static level, hydros	static pressui	res, bottom	hole
Drill Stem Tests Take		Y€	es 🔽 No		<b>₽</b> Le	og Formati	on (Top), Depth ar	nd Datum	s	ample
Samples Sent to Geological Survey  Cores Taken  Electric Log Run (Submit Copy)		es 🗹 No		Name Niobrara			Top 1243'	D	atum	
List All E. Logs Run:										
Triple Combo	(DEN/NEU/IN	D), CB			[7] e					
		Repo		RECORD onductor, su	✓ Ne urface, inte	w Used rmediate, produc	tion, etc.			
Purpose of String	Size Hole Drilled		e Casing (in O.D.)	Wei Lbs.		Setting Depth	Type of Cement	# Sacks Used		nd Percent ditives
Surface	9 7/8"		7"	17 Lb:	s/Ft.	170'	50/50 POZ	58 sx	3% CaCl,	.25% Flo-cele
Production	6-1/4"	4-	1/2"	9.5 Lb	s/Ft.	1447'	Lead Type III	28 sx	12% gel, 2% CaCl, .25% Polyflake	
	,						Tail Type III	56 sx	2% gel,	1% CFL-80
<u></u>			ADDITIONAL	CEMENTI	NG / SQL	JEEZE RECORI	)			
Purpose:  Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Туре	of Cement	#Sacks	s Used		Type and Pe	ercent Additive	s	
Shots Per Foot PERFORATION RECORD - Bridge Plugs Set/Type Acid, Fracture, Shot, Cement Squeeze Record Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) Depth							Depth			
Specify Footage of Each Interval Perforated  3 SPF Perf Niobrara interval from 1243'-1268'					Niobrara frac'd with 500 gals 7.5% HCL acid, 12,000 gals of					
(25', 3spf, 75 holes) .41" EHD, 120 degree phase 25% CO2 foamed gel pad; 31,814 gals 25% CO2 foamed										
gel carrying 100,040 lbs 16/30 sand. ATP-538 psi; ATR-15.5 bpm.										
TUBING RECORD	Size	Set At		Packer /	At	Liner Run	Yes V No			4
Date of First, Resumer	rd Production, SWD or E	inhr.	Producing Met		✓ Flowin	g Pump	ing Gas Lift	t 🗌 Ott	ne <b>r</b> (Explain)	
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wate		3bls. G	ias-Oil Ratio		Gravity
Disposition of Gas	METHOD OF C	OMPLETION	DN 3	<b>)</b>	<del>,</del>	Production Inte		<u> </u>	1, 24,	
Vented ✓ Sold (If vented, Sold	Used on Lease ubmit ACO-18.)		Open Hole Other (Spec	Peri	f. [	Dually Comp.	Commingled	· · · · · · · · · · · · · · · · · · ·		

### BISON, OIL WELL CEMENTY, INC



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

NVOICE	792/	
LOCATION		
FOREMAN_	Par	
2	768716	

E-mail:	: bisonoil1@qwest.net	TREATME	NT REPORT	Just in	
DATE	WELL NAME 11ER FARMS	SE	TION TWP	RGE COUNTY	FORMATION
19-5-6   KE	III + A-RINS	7* 1.13			
CHARGETO EYCC	11 SCAUIR	<b>C</b> )	CHANGE NOB		
MAILING AUDRESS			CONTRACTOR 49 C P 4	ch504	
CITY				Our Les	
STATE 2IP CODE	H'30		TIME LEFT LOCATION	45	
TIME ARRIVED ON LOCATION	WELL DATA		I time contraction	PRESSURE LIMITATIONS	
HOLE SIZE 9 7	TUBING SIZE	PERFORATIONS		THEORETICAL,	INSTRUCTED
TOTAL DEPTH /66	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNUALUS LONG	<b>,这个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一</b>	
	TURING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 7	TUBING CONDITION		TUBING		
CASING DEPTH 16/		TREATMENT VIA	TYPE OF TREATM	ENT TREATI	MENT RATE
CASING WEIGHT 17	PACKER DEPTH		SURFACE PIPE	BREAKDOWN BPM	
CASING CONDITION 6007		The second second	[ ] PRODUCTION CASING	INITIAL OPM	
	PHESSURE SUMMARY		( ) SOCEZE CEMENT	FINAL BPM	
BREAKDOWN or CIRCULATING DE	AVERAGE	pši	( JACIO BREAKDOWN	MINIMUM BPM	
FINAL DISPLACEMENT po	i ISIP	psi	F TACID STIMULATION	MAXIMUM BPM	
ANNULUS ps	5 MIN SIP	pal	[ ] ACID SPOTTING	AVERAGE BPM	
MANIMUM - 14 - pa	T5 MIN SIP		[ ] MISC PUMP		
MINIMUM			(Tourer	IND HIP = NATE X PRE	그러 보내는 연극은 그는 중심하다.
NSTRUCTIONS PRIOR TO JO	BUITAL	Saffymeel	us indp	SESMICHT IS	DE451/2
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	DEPIT R				
OB SUMMARY					
ESCRIPTION OF JOB EVENT	sMIRU.			- C & m 4	<u>.s. c</u>
D15 4:5	C Sher	incell 50	D BBCSTO	PI Ly	
					RECEIVED
				KANSAS	CORPORATION COMMISS
					AN 2 6 2009
0 7				en e	NSERVATION DIVISION
			<u>Descriptions of the settles</u>		WICHITA, K9
				0	
X 1000 WH		deller		7-5-08	- C

AUTHORIZATION TO PROCEED
TITLE
DATE
Customers hereby acknowledges and specifically agrees to the terms and conditions on this work order, including, willow limitation, the provisions on the Teverse side hereof which include the release and indemnity.

#### BISON OIL WELL CEMENTY S, INC



1738 Wynkoop St., Ste. 102 Denver, Colorado 80202 Phone: 303-296-3010 Fax: 303-298-6143

E-mail: bisonoll1@qwest.net

()NVOICE# 7896	
LOCATION C.R. 22 4W	Ks.
FOREMAN Eric, Tony, P	natt

#### TREATMENT REPORT

DATE	WELL NAME		TWP TWP	RGE	COUNTY FORMATION
9-7-08 Keller	Farms 32-1	2 /2	25	39 ch	eyenne
CHARBETO EXCE	11 Service	es	OWNER		
MAILING ADDRESS			OPERATOR & CER		
CITY			CONTRACTOR A 19 19		
STATE ZIP CODE		i i	DISTANCE TO LOCATION 60	miles	
TIME ARRIVED ON LOCATION 6:00			TIME LEFT LOCATION	<u> </u>	
WE .	EL DATA			PRESSURE LIMITATIO	
HOLE SIZE 6 4 TUBING SIZE	PERFORATION	<b>NB</b>		THEORETICAL	INSTRUCTED
TOTAL DEPTH 1474 TURING DEPT	H SHÓTS/FT		SIRFACE PIPE ANNUALIS LONG		
PRO 1443 TURING WERS	HT OPEN HOLE		STRING		
CASING SIZE SOLUTIONS COND	HTION		TURING		The state of the s
CASING DEPTH 1438	TREATMENT V	//A	TYPE OF TREATM		TREATMENT RATE
CASING WEIGHT 4.5 PACKER DEPT	M		[ ] SURFACE PIPE,	BREAKDOY	
CASHIG CONDITION 900			REPTHODUCTION CASING	INITIAL BE	to be a first of the contract of the
	RE SUMMARY		[ ] SOEEZE CEMENT	FINAL SPA	Standard Park 200 and Control of the
BREAKDOWN or CIRCULATING psi	AVERAGE	psi	[ ] ACID BREAKDOWN	MAXIMUM	
FINAL DISPLACEMENT psi ANNULUS psi	(SIP	psi	[ ] ACID STIMULATION  † 1 ACID SPOTTING	AVERAGE 6	
ANNULLUS psi Maximaum dež	5 MIN SIP	pesi pusi	[ ] MESC PUMP		
MANIMUM pei	\$ LJ, 77142 CRI	****	1 TOTHER	нуп ние	RATE X PRESSURE X 40.8
STRUCTIONS PRIOR TO JOB TO JOB				A TUMBER PARK TO SERVICE AND A	
DB SUMMARY	VQ2nU3 - # /		-9 ,5 2, 22	1 1 Ch 1	2.4 1.40.20
ESCRIPTION OF JOB EVENTS MT RA Ks 4cmt (9:20) meps	7 7 2/60	e ingen ist	01 20123	1 - 4 - 22	שני של מצפיטנ
of Oliver Division	ASKS CONTITUE	o jurto	F/169/7-23 33	uspare	ases nou 201
et Plug @ 1400-1500	ביו				
9:37 10	200				
4'41 20	400				
G!Lu -	1500			KAM	RECEIVED  ASCORPORATION COMMISSION
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	The second secon				CONSERVATION DIVISION
					WICHITA, KS
		<u>ora (j. 1867)</u> Nasilia (j. 1868)			
	<b>A</b>			and the second second second	
9 ()	人			9-7-08	
ALITHORIZATION TO PROCEE		TINE			DATE
Customers hereby autorowiedges and specifically a	grees to the terms and conditions or	n this work order, includ	log, without fimitation, the provision	tw loaren eble eerevar ent no e	lich include the release and indemnity.