

* Final ACO-1

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

ORIGINAL
AMENDED

Operator: License # 33190
Name: Noble Energy, Inc.
Address: 1625 Broadway, Suite 2200
City/State/Zip: Denver, CO 80202
Purchaser: Southern Star
Operator Contact Person: Jennifer Barnett
Phone: (303) 228-4235
Contractor: Name: Excell Services Inc., Wray, CO
License: 8273

API No. 15 - 023-21062-00-00
County: Cheyenne
NE SE NW NE Sec. 10 Twp. 2 S. R. 39 East West
855' feet from S (N) (circle one) Line of Section
1,510' feet from (E) W (circle one) Line of Section

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

Footages Calculated from Nearest Outside Section Corner:
(circle one) (NE) SE NW SW
Lease Name: Ham Well #: 31-10
Field Name: Cherry Creek Niobrara Gas Area
Producing Formation: Niobrara

If Workover/Re-entry: Old Well Info as follows:
Operator: n/a
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

Elevation: Ground: 3206' Kelly Bushing: 3215'
Total Depth: 1363' Plug Back Total Depth: 1307'
Amount of Surface Pipe Set and Cemented at 166' cmt w/ 56 sx Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from n/a
feet depth to _____ w/ _____ sx cmt.

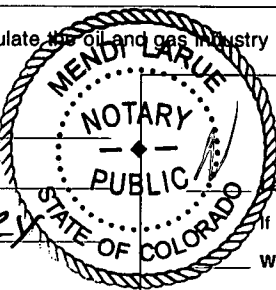
7/30/2008 8/1/2008 9/11/2008
Spud Date or Date Reached TD Completion Date or Recompletion Date

Drilling Fluid Management Plan
(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: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Jennifer Barnett
Title: Regulatory Analyst Date: 1/22/09
Subscribed and sworn to before me this 22 day of JANUARY
09
Notary Public: Mendi Larue
Date Commission Expires: _____ My Commission Expires 09/11/2010



KCC Office Use ONLY
 Letter of Confidentiality Received
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
RECEIVED
KANSAS CORPORATION COMMISSION
JAN 26 2009

Operator Name: **Noble Energy, Inc.** Lease Name: **Ham** Well #: **31-10**
 Sec. **10** Twp. **2** S. R. **39** East West County: **Cheyenne**

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy)

List All E. Logs Run: *(sent w/ previous ACO!)*
Triple Combo (DEN/NEU/IND), CBL/CCL/GR

Log Formation (Top), Depth and Datum Sample
 Name **Niobrara** Top **1117'** Datum

*Ken
Jan
1/26/09*

CASING RECORD New Used
 Report all strings set-conductor, surface, intermediate, production, 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.	166'	50/50 POZ	56 sx	3% CaCl, .25% Flo-cale
Production	6 1/4"	4 1/2"	10.5 Lbs./Ft.	1347'	Lead Type III	24 sx	12% Gel, 2% CaCl, .25% Polyfak
					Tail Type III	56 sx	2% Gel, 1% CFL-80

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate				
Protect Casing				
Plug Back TD				
Plug Off Zone				

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 interval from 1118'-1157' (39', 3spf, 117 holes) .42" EHD, 120 degree phase	Niobrara frac'd with 500 gals 7.5% HCL acid, 12,000 gals of 25% CO2 foamed gel pad; 31,730 gals 25% CO2 foamed gel carrying 100,040 lbs 16/30 sand. ATP- 617 psi; ATR- 15.6 bpm.	

TUBING RECORD

Size 2-3/8"	Set At 1,170'	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumerd Production, SWD or Enhr. 1/19/2009	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls. 0	Gas Mcf 70	Water Bbls. 0	Gas-Oil Ratio 0	Gravity
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Disposition of Gas Vented Sold Used on Lease (If vented, Submit ACO-18.)

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify)

Production Interval

BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102
 Denver, Colorado 80202
 Phone: 303-296-3010
 Fax: 303-298-8143
 E-mail: bisonoil1@qwest.net

Handwritten initials and date: 2/02/09

INVOICE # **7827**

LOCATION **CLX**

FOREMAN **DAT ALLEN JUSTIN**

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
7-30-08	Hcm 31-10	10	2-5	39N	McPherson	

CHARGE TO EXCEL SERVICES	OWNER NOBLE
MAILING ADDRESS	OPERATOR
CITY	CONTRACTOR M. G. HANSON
STATE ZIP CODE	DISTANCE TO LOCATION 85 miles
TIME ARRIVED ON LOCATION 5:15	TIME LEFT LOCATION 6:45

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 9 7/8	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 160	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 7"	TUBING CONDITION	TREATMENT VIA	TUBING		
CASING DEPTH 157			TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 174	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION GOOD			<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM
PRESSURE SUMMARY			<input type="checkbox"/> SQUEEZE CEMENT		FINAL BPM
BREAKDOWN or CIRCULATING psi	AVERAGE psi		<input type="checkbox"/> ACID BREAKDOWN		MINIMUM BPM
FINAL DISPLACEMENT psi	ISIP psi		<input type="checkbox"/> ACID STIMULATION		MAXIMUM BPM
ANNULUS psi	5 MIN SIP psi		<input type="checkbox"/> ACID SPOTTING		AVERAGE BPM
MAXIMUM psi	16 MIN SIP psi		<input type="checkbox"/> MISC PUMP		
MINIMUM psi			<input type="checkbox"/> OTHER		HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB: **MILW, SATIS meeting, 6540 PC, MTP 565Ks cement 15.2 DEUS 110 1.17X 1540 10 BBS with water DISPLACE 5.5 DRS H2O 5.6 H2O well were water pit RIG DOWN.**

JOB SUMMARY: **DESCRIPTION OF JOB EVENTS: MIR 4 5:15 SATIS 5:45 CEM 5:58 DAS 6:01 5.6 H2O well RIG DOWN 6:05 BBS 5:45**

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 KANSAS CORPORATION COMMISSION
 JAN 26 2009
 CONSERVATION DIVISION
 WICHITA, KS

Signature AUTHORIZATION TO PROCEED TITLE *Letter* DATE **7-30-08**

Customers hereby acknowledges and specifically agrees to the terms and conditions on this work order, including, without limitation, the provisions on the reverse side hereof which include the release and indemnity.

BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102
 Denver, Colorado 80202
 Phone: 303-296-3010
 Fax: 303-298-8143
 E-mail: bisonoil1@qwest.net

Wm. [Signature]
 1/2/09

INVOICE # 7817
 LOCATION C.R. 22 + X Ks.
 FOREMAN Eric, Tony, Jorge

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
8-1-08	Ham 31-10	10	2-S	39 W	Cherokee	

CHARGE TO <u>Excell Services</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Breg</u>
CITY	CONTRACTOR <u>Excell Rig 17</u>
STATE ZIP CODE	DISTANCE TO LOCATION <u>110 miles</u>
TIME ARRIVED ON LOCATION <u>7:20</u>	TIME LEFT LOCATION

WELL DATA

PRESSURE LIMITATIONS

HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
<u>6 1/2</u>				
TOTAL DEPTH <u>1360</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
<u>P&O 1306</u>	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE <u>4.5"</u>	TUBING CONDITION	TREATMENT VIA	TUBING	

CASING DEPTH	CASING WEIGHT	PACKER DEPTH	CASING CONDITION	TYPE OF TREATMENT	TREATMENT RATE
<u>1338</u>			<u>good</u>	<input type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM
				<input checked="" type="checkbox"/> PRODUCTION CASING	INITIAL BPM
				<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM
				<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM
				<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM
				<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM
				<input type="checkbox"/> MISC PUMP	
				<input type="checkbox"/> OTHER:	HYD HHP = RATE X PRESSURE X 40.8

PRESSURE SUMMARY

BREAKDOWN or CIRCULATING	psi	AVERAGE	psi
FINAL DISPLACEMENT	psi	ISP	psi
ANNULUS	psi	5' MIN SIP	psi
MAXIMUM	psi	15' MIN SIP	psi
MINIMUM	psi		

INSTRUCTIONS PRIOR TO JOB m+p, safety meeting, 30 BBL mud Flush, m+p 24 sks cement yield 2.64 Density 12. m+p 56 sks cement yield 1.83 Density 13.8, Drop Plug, Displace 20.8 BBLs H₂O, Set Plug @ 1400-1500 psi.

JOB SUMMARY

DESCRIPTION OF JOB EVENTS m+p-8:30 safety meeting - 9:40 30 BBL mud Flush - 9:44 m+p 24 sks cement - 9:50 m+p 56 sks cement - 10:00 Drop Plug - 10:05 Displace 20.8 BBLs H₂O - 10:06 set Plug @ 1400-1500 psi - 10:14

Time	AWAY	Rsi
10:09	10	100
10:14	20	3500
10:14	20.8	1500

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 KANSAS CORPORATION COMMISSION

JAN 26 2009

CONSERVATION DIVISION
 WICHITA, KS

[Signature]

AUTHORIZATION TO PROCEED

TITLE

DATE

8-1-08