

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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
Wellsite Geologist: none

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

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. _____

9/26/2008 9/27/2008 11/21/2008
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 023-21070-00-00
County: Cheyenne
S2 NW SW SW Sec. 17 Twp. 2 S. R. 38 East West
880' feet from S N (circle one) Line of Section
330' feet from E W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Keller Farms Well #: 14-17
Field Name: Cherry Creek Niobrara Gas Area

Producing Formation: Niobrara
Elevation: Ground: 3365' Kelly Bushing: 3371'
Total Depth: 1497' Plug Back Total Depth: 1440'
Amount of Surface Pipe Set and Cemented at 238' cmt w/ 105 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.

Drilling Fluid Management Plan AH I NR 3-3-09
(Data must be collected from the Reserve Pit)

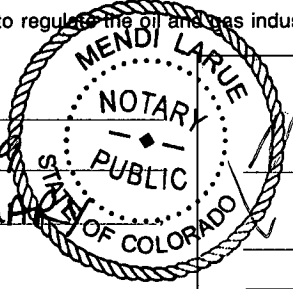
Chloride content _____ ppm Fluid volume _____ bbls
Dewatering method used _____

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
20 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: Keller Farms Well #: 14-17
 Sec. 17 Twp. 2 S. R. 38 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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: Triple Combo (DEN/NEU/IND), CBL/CCL/GR	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name <u>Niobrara</u> Top <u>1280'</u> Datum _____
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CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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.	238'	50/50 POZ	105 sx	3% CaCl, .25% Flo-cele
Production	6-1/4"	4-1/2"	9.5 Lbs/Ft.	1474'	Lead Type III	30 sx	12% gel, 2% CaCl, .25% Polyfeka
					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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
3 SPF	Perf Niobrara interval from 1288'-1318'	Niobrara frac'd with 500 gals 7.5% HCL acid, 12,000 gals of	
	(30', 3spf, 90 holes) .41" EHD, 120 degree phase	25% CO2 foamed gel pad; 31,790 gals 25% CO2 foamed	
		gel carrying 100,020 lbs 16/30 sand. ATP-558 psi; ATR-10.0 bpm.	

TUBING RECORD		Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	68	0	0	

Disposition of Gas Vented Sold Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled

Production Interval Other (Specify) _____

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

INVOICE # 7912
 LOCATION Keller Farms 14-17
 FOREMAN _____

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
9/26/08	Keller Farms 14-17	17	25	38 W	Cheyenne	

CHARGE TO <u>Excell services</u>	OWNER
MAILING ADDRESS	OPERATOR
CITY	CONTRACTOR <u>Excell Rig #2</u>
STATE ZIP CODE	DISTANCE TO LOCATION <u>60 miles</u>
TIME ARRIVED ON LOCATION <u>5:00</u> <u>Reg 9:00</u>	TIME LEFT LOCATION <u>6:00</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>9 7/8</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>244</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>7"</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>238</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>17#</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM	
CASING CONDITION <u>Good</u>			<input 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	ISIP	psi
ANNULUS	psi	5 MIN SIP	psi
MAXIMUM	psi	15 MIN SIP	psi
MINIMUM	psi		

INSTRUCTIONS PRIOR TO JOB MIRU, Safety, Est. Circu. NIP 105 SKS cement yield 1.13
Density 15.2, Displace 9 Bbls H₂O, shut in well wash to pit

3 Bbls to pit

JOB SUMMARY
 DESCRIPTION OF JOB EVENTS (5:15) MIRU, (5:20) Safety meeting, (5:25) Est. circu,
(5:28) NIP 105 SKS cement, (5:30) Displace 9 Bbls H₂O
(5:40) shut in well wash to pit

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 CONSERVATION DIVISION
 WICHITA, KS

[Signature] Push 9/26/08
 AUTHORIZATION TO PROCEED TITLE DATE

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

INVOICE # 7943
 LOCATION Keller Farms 14-17
 FOREMAN Rose Mat Rong

TREATMENT REPORT

DATE <u>9/27/08</u>	WELL NAME <u>Keller Farms 14-17</u>	SECTION <u>17</u>	TWP <u>2S</u>	RGE <u>38W</u>	COUNTY <u>Cheyenne</u>	FORMATION
CHARGE TO <u>Excell Services</u>			OWNER			
MAILING ADDRESS			OPERATOR			
CITY			CONTRACTOR <u>Excell Ag #2</u>			
STATE ZIP CODE			DISTANCE TO LOCATION <u>100</u>			
TIME ARRIVED ON LOCATION <u>9:00</u>			TIME LEFT LOCATION			

WELL DATA			PRESSURE LIMITATIONS			
HOLE SIZE <u>6 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED	
TOTAL DEPTH <u>1497</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG			
<u>P/B 1439, 201</u>	TUBING WEIGHT	OPEN HOLE	STRING			
CASING SIZE <u>4 1/2</u>	TUBING CONDITION		TUBING			
CASING DEPTH <u>1474.13</u>	TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE		
CASING WEIGHT <u>9.5</u>	PACKER DEPTH	<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM		
CASING CONDITION <u>Good</u>		<input checked="" type="checkbox"/> PRODUCTION CASING		INITIAL BPM		
PRESSURE SUMMARY		<input type="checkbox"/> SOOZE 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	15 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 MIRU, Safety meeting, Est. Circu. 30^{BBIS} H/Flush, H/P 30 SKS lead
 cement yield 21.4 Density 1.8, H/P 36 SKS Tail cement (yield) 1.83 Density 13.8
 Drop plug, Displace 23.3 BBIS KCL water, set plug between 1300-1500 PSI
wash up to pit. rig down

JOB SUMMARY
 DESCRIPTION OF JOB EVENTS (9:00) MIRU, (9:15) Safety, (9:20) Est. Circu. 30 BBIS Hud Flush
(9:30) H/P 30 SKS lead, (9:35) H/P 36 SKS Tail, (9:40) Drop plug,
(9:42) Displace 23.3 BBIS KCL water,
(9:44) 10 away 200 PSI
(9:46) 20 away 400 PSI
(10:50) Set Plug @ 1500 PSI

5 BBIS to pit

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 WICHITA, KS

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DATE

BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102
 Denver, Colorado 80202
 Phone: 303-296-3010
 Fax: 303-298-6143
 E-mail: bisonoil1@qwest.net

INVOICE # 7942
 LOCATION Keller Farms 14-17
 FOREMAN _____

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	R1E	COUNTY	FORMATION
9/26/08	Keller Farms 14-17	17	25	38 W	Cheyenne	
CHARGE TO <u>Excell services</u>			OWNER _____			
MAILING ADDRESS _____			OPERATOR _____			
CITY _____			CONTRACTOR <u>Excell Rig #2</u>			
STATE ZIP CODE _____			DISTANCE TO LOCATION <u>60 miles</u>			
TIME ARRIVED ON LOCATION <u>5:00</u> <u>Reg 4:00</u>			TIME LEFT LOCATION <u>6:00</u>			

WELL DATA

PRESSURE LIMITATIONS

HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
9 7/8				
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
244				
	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE	TUBING CONDITION	TREATMENT VIA	TYPE OF TREATMENT	TREATMENT RATE
7"			<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM
CASING DEPTH	PACKER DEPTH		<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM
238			<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM
CASING WEIGHT			<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM
17#			<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM
CASING CONDITION			<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM
Good			<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	15 MIN SIP	psi
ANNULUS	psi	5 MIN SIP	psi
MAXIMUM	psi	15 MIN SIP	psi
MINIMUM	psi		

INSTRUCTIONS PRIOR TO JOB MIRU, Safety, Est. circ. H/P 105 SKS cement yield 1.13
Density 15.2, Displace 9 Bbls H2O, shut in well wash to pit

3 Bbls To pit

JOB SUMMARY

DESCRIPTION OF JOB EVENTS (5:15) MIRU, (5:20) Safety meeting, (5:25) Est. circ,
(5:28) H/P 105 SKS cement, (5:30) Displace 9 Bbls H2O
(5:40) shut in well wash to pit

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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

INVOICE # 7443
 LOCATION Keller Farms 14-17
 FOREMAN Rose Mat Perry

TREATMENT REPORT

DATE <u>9/27/08</u>	WELL NAME <u>Keller Farms 14-17</u>	SECTION <u>17</u>	TWP <u>2S</u>	RGE <u>38W</u>	COUNTY <u>Cherokee</u>	FORMATION
CHARGE TO <u>Excell Services</u>			OWNER			
MAILING ADDRESS			OPERATOR			
CITY			CONTRACTOR <u>Excell Ag #2</u>			
STATE ZIP CODE			DISTANCE TO LOCATION <u>60</u>			
TIME ARRIVED ON LOCATION <u>9:00</u>			TIME LEFT LOCATION			

WELL DATA

PRESSURE LIMITATIONS

HOLE SIZE <u>6 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>1497</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
<u>P/B 1439, 201</u>	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE <u>2 1/2</u>	TUBING CONDITION		TUBING	
CASING DEPTH <u>1474.13</u>	TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>9.5</u>	PACKER DEPTH	<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM	
CASING CONDITION <u>Good</u>		<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	2SIP	psi	
ANNULUS	psi	5 MIN SIP	psi	
MAXIMUM	psi	15 MIN SIP	psi	
MINIMUM	psi			

INSTRUCTIONS PRIOR TO JOB H/RU, safety meeting, Est. circ. 30⁰⁰ H/Flush, H/P 30 SKS lead cement yield 21.4 Density 13, H/P 56 SKS tail cement yield 1.83 Density 13.8 Drop plug, Displace 23.3 BBLS KCL water, set plug Between 1300 & 1500 PSI wash up to pit. rig down

JOB SUMMARY

DESCRIPTION OF JOB EVENTS (9:00) H/RU (9:15) safety (9:20) est. circ. 30 BBLS Hud/Flush (9:30) H/P 30 SKS lead, (9:35) H/P 56 SKS tail, (9:40) Drop plug, (9:42) Displace 23.3 BBLS KCL water, (9:44) 10 away 200 PSI (9:46) 20 away 400 PSI (10:50) set Plug @ 1500 PSI

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Rose Mat Perry

9/27/08