

ORIGINAL

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
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 SIOW 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. _____

9/22/2008 9/22/2008 11/21/2008
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 023-21061-00-00
County: Cheyenne
SE NE NW SE Sec. 18 Twp. 2 S. R. 38 East West
2,225' feet from S N (circle one) Line of Section
1,433' 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 #: 33-18
Field Name: Cherry Creek Niobrara Gas Area

Producing Formation: Niobrara
Elevation: Ground: 3296' Kelly Bushing: 3302'
Total Depth: 1403' Plug Back Total Depth: 1351'
Amount of Surface Pipe Set and Cemented at 153' cmt w/ 70 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 AIT I NGR 3-25-09
(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.: _____

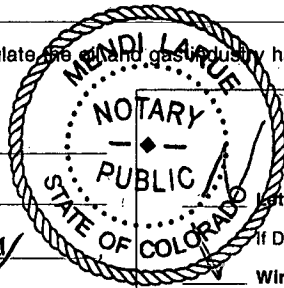
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side 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
CONSERVATION DIVISION
WICHITA, KS

Operator Name: Noble Energy, Inc. Lease Name: Keller Farms Well #: 33-18
 Sec. 18 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 (Attach Additional Sheets) 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 (Submit Copy) 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>1200'</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.	153'	50/50 POZ	70 sx	3% CaCl, .25% Flo-cele
Production	6-1/4"	4-1/2"	9.5 Lbs/Ft.	1396'	Lead Type III	26 sx	12% gel, 2% CaCl, .25% Polyflake
					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	Acid, Fracture, Shot, Cement Squeeze Record	Depth
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	
3 SPF	Perf Niobrara interval from 1200'-1238'	Niobrara frac'd with 500 gals 7.5% HCL acid, 12,000 gals of	
	(38', 3spf, 114 holes) .41" EHD, 120 degree phase	25% CO2 foamed gel pad; 31,790 gals 25% CO2 foamed	
		gel carrying 100,040 lbs 16/30 sand. ATP-542 psi; ATR-13.8 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.		Producing Method				
1/19/2009		<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	78	0	0		

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

VOICE # 7971
 LOCATION C.R. 24th Ks.
 FOREMAN Eric, Tony, Matt

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
9-22-08	Keller Farms 23-18	18	2 ^S	38 ^W	Chevyenne	
CHARGE TO			OWNER			
MAILING ADDRESS			OPERATOR			
CITY			CONTRACTOR			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION			TIME LEFT LOCATION			
Excell Service			Mark			
			Rig 2			
			60 miles			
1:00						

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
9 7/8					
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
set @ 153					
CASING SIZE	TUBING WEIGHT	OPEN HOLE	STRING		
7"			TUBING		
CASING DEPTH	TUBING CONDITION	TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
147			[X] SURFACE PIPE		BREAKDOWN BPM
CASING WEIGHT	PACKER DEPTH		[] PRODUCTION CASING		INITIAL BPM
17*			[] SQUEEZE CEMENT		FINAL BPM
CASING CONDITION			[] ACID BREAKDOWN		MINIMUM BPM
good			[] ACID STIMULATION		MAXIMUM BPM
PRESSURE SUMMARY			[] ACID SPOTTING		AVERAGE BPM
BREAKDOWN or CIRCULATING	psi	AVERAGE	psi	[] MISC PUMP	
FINAL DISPLACEMENT	psi	5 MIN SIP	psi	[] OTHER	
ANNULUS	psi	15 MIN SIP	psi	HYD NHP = RATE X PRESSURE X 40.8	
MAXIMUM	psi				
MINIMUM	psi				

INSTRUCTIONS PRIOR TO JOB: marce safety meeting, est. circ, m^o P 70 sks cmt (8 bbl mix water)
yield 1.63 Density 45.2, Displace 5.601x H₂O, Shut in well wash up to pit.

JOB SUMMARY
 DESCRIPTION OF JOB EVENTS: m^o RP (1:40) - safety meeting (1:30) - Est. circ (1:38) - m^o P 70 sks cmt (1:39) - Displace 5 bbls H₂O (1:43) - Shut in well wash up to pit (1:45)

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 KANSAS CORPORATION COMMISSION

JAN 26 2009

CONSERVATION DIVISION
 WICHITA, KS

Mark AUTHORIZATION TO PROCEED Push TITLE 9-22-08 DATE

BISON OIL WELL CEMENTING, INC.



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

INVOICE # 7939
 LOCATION Keller Farms 33-18
 FOREMAN Jose Justin

TREATMENT REPORT

DATE 9/24/08	WELL NAME Keller Farms 33-18	SECTION	TWP	RGE	COUNTY Cheyenne	FORMATION
CHARGE TO Excel Services			OWNER Noble			
MAILING ADDRESS			OPERATOR			
CITY			CONTRACTOR Excel Rig #2			
STATE ZIP CODE			DISTANCE TO LOCATION 60 miles			
TIME ARRIVED ON LOCATION 5:00 AM Request 6:00-6:30			TIME LEFT LOCATION 8:30			

WELL DATA			PRESSURE LIMITATIONS			
HOLE SIZE 6 7/8	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED	
TOTAL DEPTH 1403	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG			
P/B 1350	TUBING WEIGHT	OPEN HOLE	STRING			
CASING SIZE 4 1/2	TUBING CONDITION		TUBING			
CASING DEPTH 1395		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE	
CASING WEIGHT 9.5	PACKER DEPTH		<input type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM		
CASING CONDITION Good			<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"/> ANSC PUMP			
			<input type="checkbox"/> OTHER	HYD HHP = RATE X PRESSURE X 40.8		

INSTRUCTIONS PRIOR TO JOB HIRU, Safety Est. circ, 20 BBLs Mud Flush N/P 216 SKS Lead Cement yield 2.64 Density 12, N/P 516 SKS Tail Cement yield 1.83 Density 13.8 Drop Plug, Displace 21.9 BBLs H₂O ^{KCL} Set plug Between 1200-1500 PSZ wash up to pit rig down

JOB SUMMARY
 DESCRIPTION OF JOB EVENTS (7:00) HIRU, (7:30) Safety, (7:30) Est. circ, 20 BBLs Mud/Flux (7:40) N/P 216 SKS Lead, (7:47) N/P 516 SKS Tail, (7:52) Drop plug (7:54) Displace 21.9 BBLs KCL water, (7:56) - 12 away 300 PSZ (7:58) 20 away 1000 PSZ (8:00) Set Plug @ 1200 PSZ

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 WICHITA, KS

AUTHORIZATION TO PROCEED

TITLE

9/24/08

DATE