

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. (formerly Elysium Energy, LLC)  
 Address: 1625 Broadway, Suite 2200  
 City/State/Zip: Denver, CO 80202  
 Purchaser: \_\_\_\_\_  
 Operator Contact Person: Jennifer Barnett  
 Phone: (303) 228-4235  
 Contractor: Name: Beredco Inc., Wichita, KS  
 License: 5147  
 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. \_\_\_\_\_  

<u>2/16/2007</u>	<u>2/25/2007</u>	<u>5/18/2007</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 185-23419-0000  
 County: Stafford  
 SE NW NW Sec. 27 Twp. 25 S. R. 13  East  West  
1000' feet from S / (N) (circle one) Line of Section  
1150' feet from E / (W) (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE SE (NW) SW  
 Lease Name: Russell Well #: 2-27  
 Field Name: Gobin East  
 Producing Formation: Arbuckle  
 Elevation: Ground: 1929' Kelly Bushing: 1939'  
 Total Depth: 4503' Plug Back Total Depth: 4300'  
 Amount of Surface Pipe Set and Cemented at 811' cmt w/ 450 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 API - Dlg 5/23/08 w/ \_\_\_\_\_ sx cmt.

**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: Permit Representative Date: 3/24/08  
 Subscribed and sworn to before me this 24th day of March  
 20 08  
 Notary Public: Paulette K. Miller  
 Date Commission Expires: August 6, 2011

**KCC Office Use ONLY**

N Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

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**MAR 25 2008**

Operator Name: Noble Energy, Inc. (formerly Elysium Energy, LLC) Lease Name: Russell Well #: 2-27  
 Sec. 27 Twp. 25 S. R. 13  East  West County: Stafford

**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:

Log Formation (Top), Depth and Datum  Sample

Name Top Datum  
 Arbuckle 4148'

CBL/GR/CCL/Neu/SL/Induction

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	12 1/4"	8 5/8"	23 Lbs./Ft.	811'	50/50 POZ	450	3% CaCl, .2% Gel
Production	7 7/8"	5 1/2"	15.5 Lbs./Ft.	4476'	Lead, Class A	410	3% CaCl, .2% Gel
					Tail, TXI Lite	220	3% CaCl, .2% Gel

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 (Amount and Kind of Material Used)	Depth
4 spf	Perf. Arbuckle interval from 4426' to 4428'	Frac'd with 6300 gals of pad, 8000 gal 16/30 sand	
4 spf	Perf. Arbuckle interval from 4393' to 4394'	3000 gal 12/20 sand	
4 spf	Perf. Arbuckle interval from 4370' to 4374'		
4 spf	Perf. Arbuckle interval from 4332' to 4340'		
4 spf	Perf. Viola interval from 4148' to 4174'		

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 7/8"	4251'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

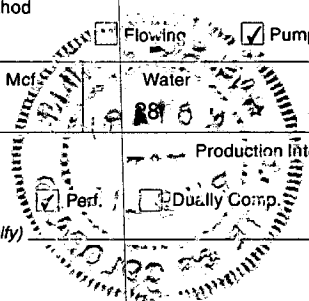
Date of First, Resumerd Production, SWD or Enhr.	Producing Method
5/22/2007	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	58			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



### Casing and Cementing Report

Well: RUSSELL 2-27 Event:1 - DRILLING  
 Well ID: 15-185-23419  
 Well TD: 818

Casing Run Date: 02/16/2007  
 Operator NOBLE ENERGY, INC.  
 Rig 10

**MUD DATA PRIOR TO JOB**

Circ time before job (hr/min) 0/15  
 Gas Present? No

BPM 6 PSI 100  
 Concentration (units)

Casing String Name :SURFACE

String Type:

CASING			
O.D.	Wt.	Grade	Thds
8.625	23	J-55	8 rnd

SETTING DEPTHS	
MD	TVD
811	811

LOG OF CASING RUN IN HOLE								
#Jts	Pipe Description	O.D.	Weight	Grade	Threads	Length	Bot Dpth	Top Dpth
19	8 5/8" Surface Casing	8.625	23.00	J-55	8 RND	798.83	810.83	12.00

Casing Set At 810.83                      Total Length                      798.83

Centralizers at:

B: 1,2,5,8,11,14,17,18

R:

T:

CEMENTING REPORT						
Cementing Company		Allied cementing Co.				
Lead	Class 1	Wt	14.80	Sacks	450	Yld 1.18      Vol 531.00
	Adds: 3% cc, 2% gel					
	Pump Time (h/m)					
Lead	Class	Wt		Sacks		Yld              Vol 0.00
	Adds:					
	Pump Time (h/m)					
Tail	Class	Wt		Sacks		Yld              Vol 0.00
	Adds:					
	Pump Time (h/m)					
Spacer	Ahead	Type		Vol		Wt
	Behind	Type		Vol		Wt
Mxd & pmpd Cmt		Vol		BPM 5		PSI 200
Dispaced Cmt with 50 BBLs of Type water		Vol		BPM 6		PSI 500
Returns During Job	Full					Recipd Pipe No
	# of Plugs 1			Plugs Bumped Yes		Floats Held Yes
	Est TOC 0					
Remarks						
Shoe Test PJT		Actual 0.00		Target		
Suc Cmt Job		Sqz Shoe		# of Sqzs		Final Shoe Tst

CASING LEFT ON BOARD		
Description	# Jts	Tally (Ft)
Casing Received	19	799
Casing Used	19	
Returned New		
Returned Used		
Cut Pieces		

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MAR 25 2008

CONSERVATION DIVISION  
 WICHITA, KS

## Casing and Cementing Report

Well: RUSSELL 2-27 Event:1 - DRILLING  
 Well ID: 15-185-23419  
 Well TD: 4,503

Casing Run Date: 02/25/2007  
 Operator: NOBLE ENERGY, INC.  
 Rig: 10

**MUD DATA PRIOR TO JOB**

Circ time before job (hr/min) 1/15  
 Gas Present? No

BPM 6                                  PSI 400  
 Concentration (units)

Casing String Name :PRODUCTION

String Type: Full

CASING			
O.D.	Wt.	Grade	Thds
5.5	15.5	J-55	8 rd

SETTING DEPTHS	
MD	TVD
4,476	4,476

LOG OF CASING RUN IN HOLE								
#Jts	Pipe Description	O.D.	Weight	Grade	Threads	Length	Bot Dpth	Top Dpth
1	GUIDE SHOE	5.500	15.50	J-55	8 RD	1.50	4476.38	4474.88
1	Shoe Joint, & CENT.	5.500	15.50	J-55	8 RD	20.95	4474.88	4453.93
1	Float Collar	5.500	15.50	J-55	8 RD	1.50	4453.93	4452.43
18	5.5" CSG.	5.500	15.50	J-55	8 RD	764.76	4452.43	3687.67
1	Marker Joint	5.500	15.50	J-55	8 RD	19.45	3687.67	3668.22
39	5.5" CSG.	5.500	15.50	J-55	8 RD	1661.50	3668.22	2006.72
1	Port Collar	5.500	15.50	J-55	8 RD	2.00	2006.72	2004.72
45	5.5" CSG.	5.500	15.50	J-55	8 RD	1993.72	2004.72	11.00
1	LANDING JOINT	5.500	15.50	J-55	8 RD	11.00	11.00	0.00

Casing Set At 4,476.38                                  Total Length 4,476.38

Centralizers at:                                  Total # Run: Ran 106 jts  
 B: Joint #1,2,4,6,8,10,12,14,16,18,20,22,24,26,28,30

R:  
 T:

CEMENTING REPORT						
Cementing Company Schlumberger						
Lead	Class CLASS A	Wt 12.00	Sacks 410	Yld 3.03	Vol 1242.30	
Adds: 10 % D44+16%D20=0.1% D65+0.2% D46+0.2%D13+3pps D42+0.25 pps D29+2 pps D974						
Pump Time (h/m)						
Lead	Class	Wt	Sacks	Yld	Vol 0.00	
Adds:						
Pump Time (h/m)						
Tail	Class TXI Lite	Wt 13.00	Sacks 220	Yld 1.41	Vol 310.20	
Adds: 0.2% D46+0.25pps D29+0.1%D167+2%D20+3pps D42+2ppbD974						
Pump Time (h/m)						
Spacer	Ahead	Type CW-100	Vol 30 sx	Wt		
	Behind	Type SCAVPUSH	Vol 30 sx	Wt		
Mxd & pmpd Cmt		Vol	BPM 4	PSI 150		
Dispaced Cmt with 104.5 BBLs of Type Water		Vol	BPM 4	PSI 1250		
Returns During Job	Full			Recipd Pipe No		
# of Plugs		Plugs Bumped Yes		Floats Held Yes		
Est TOC	25					
Remarks Pumped 10 sx each down rodent holes/ Could not recip pipe, bales on rig to short						
Shoe Test PIT	Actual	0.00	Target			
Suc Cmt Job	Sqz Shoe		# of Sqzs	Final Shoe Tst		

CASING LEFT ON BOARD		
Description	# Jts	Tally (Ft)
Casing Received	107	4505
Casing Used	107	4460
Returned New		
Returned Used		
Cut Pieces		

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 WICHITA, KS