

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

**RECEIVED ORIGINAL**  
Form ACO-1  
June 2009  
Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

**KCC WICHITA**

OPERATOR: License # 31389  
Name: Noble Petroleum, Inc.  
Address 1: 3101 N. Rock Road, Suite 125  
Address 2: \_\_\_\_\_  
City: Wichita State: KS Zip: 67226 + \_\_\_\_\_  
Contact Person: Jay Ablah  
Phone: ( 316 ) 636-5155  
CONTRACTOR: License # 32701  
Name: C & G Drilling  
Wellsite Geologist: Gerald D. Honas

Purchaser: \_\_\_\_\_  
Designate Type of Completion:  
 New Well     Re-Entry     Workover  
 Oil     WSW     ~~GSWD~~     SIOW  
 Gas     D&A     ENHR     SIGW  
 OG     GSW     Temp. Abd.  
 CM (Coal Bed Methane)  
 Cathodic     Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening     Re-perf.     Conv. to ENHR     Conv. to SWD  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_  
11-13-09    11-19-09    6-25-10  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 015-23845-00-00  
Spot Description: \_\_\_\_\_  
SE SE NW Sec. 27 Twp. 24 S. R. 4  East  West  
2,310 2,970 Feet from  North /  South Line of Section  
2,310 2,970 Feet from  East /  West Line of Section  
*per GPS - KCC - Dept*  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: BUTLER  
Lease Name: SOMMERS Well #: 1  
Field Name: PLUG GROVE SOUTH  
Producing Formation: Mississippi  
Elevation: Ground: 1366 Kelly Bushing: 1375  
Total Depth: 2640 Plug Back Total Depth: 2619  
Amount of Surface Pipe Set and Cemented at: 201 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from: \_\_\_\_\_  
feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit)  
Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls  
Dewatering method used: evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**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.

**AFFIDAVIT**

I am the affiant and I hereby certify that 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: Jay Ablah  
Title: President Date: 7-19-2010

**KCC Office Use ONLY**

Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: DJg Date: 7/22/10

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KCC WICHITA

Operator Name: Noble Petroleum, Inc. Lease Name: SOMMERS Well #: 1  
 Sec. 27 Twp. 24 S. R. 4  East  West County: BUTLER

**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 complete copy of all Electric Wire-line 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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: Dual Induction Dual Compensated Porosity Log	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>latan</td> <td>1749</td> <td>-374</td> </tr> <tr> <td>Lansing</td> <td>1850</td> <td>-475</td> </tr> <tr> <td>Kansas City</td> <td>2127</td> <td>-752</td> </tr> <tr> <td>Marmaton</td> <td>2356</td> <td>-981</td> </tr> <tr> <td>Cherokee Shale</td> <td>2493</td> <td>-1118</td> </tr> <tr> <td>Mississippian</td> <td>2556</td> <td>-1181</td> </tr> <tr> <td>LTD</td> <td>2640</td> <td>-1265</td> </tr> </table>	Name	Top	Datum	latan	1749	-374	Lansing	1850	-475	Kansas City	2127	-752	Marmaton	2356	-981	Cherokee Shale	2493	-1118	Mississippian	2556	-1181	LTD	2640	-1265
Name	Top	Datum																							
latan	1749	-374																							
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Mississippian	2556	-1181																							
LTD	2640	-1265																							

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	24	201	Class A	130	3 % Cacl - 2% gel
Production	7 7/8	5 1/2	14	2639	Thick Set	100	kolseal - 5lb/sx

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
2	2557-2612	500 gallons 15% MCA	
		126 gallons 15% HCL	
		500 gallons 15% HCL w/14 perf balls	
		3000 gallons 15% HCL	

TUBING RECORD: Size: <u>2.375</u> Set At: <u>2511</u> Packer At: <u>2509</u>		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls. <u>NA</u>	Gas Mcf <u>NA</u>
	Water Bbls. <u>NA</u>	Gas-Oil Ratio _____ Gravity _____

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>Injection 2557-2612</u>
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**CONSOLIDATED**  
Oil Well Services, LLC

**ENTERED**

TICKET NUMBER 23799

LOCATION Eureka

FOREMAN Steve Mead

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT  
CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-16-09	5631	Summer #1				Butler
CUSTOMER Noble Petroleum, Inc.			C+G Drilling			
MAILING ADDRESS 3101 N. Rock Rd Ste 125						
CITY Wichita	STATE KS	ZIP CODE 67226				
TRUCK # DRIVER TRUCK # DRIVER						
			485	Alan		
			8479	John		

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 212' CASING SIZE & WEIGHT 8 5/8  
 CASING DEPTH 211' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.8\* SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT In CASING 20'  
 DISPLACEMENT 12.4 bbls DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Softy Meeting: Rig up to 8 5/8 casing. Break circulation with 10 bbls Fresh water. Mix 130 sks Class A Cement w/ 3% Cacl2, 2% Gel & 1/4" Flacels Per/sk At 14.8 ppgal Displace with 12.4 bbls Fresh water. Shut casing in. Good cement Returns To surface. 6 bbl slurry to pit. Job Complete Rig down

*Thank You*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCTS	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	680.00	680.00
5406	40	MILEAGE	3.45	138.00
11045	130 sks	Class A Cement	12.70	1651.00
1102	365 #	Cacl2 3%	.71	259.15
1118A	245 #	Gel 2%	.16	39.20
1107	32 #	Flacels 1/4" Per/sk	1.97	63.04
5407	6.11 Tons	Ton Mileage bulk Truck	m/c	296.00
			Sub Total	3126.39
			SALES TAX	106.10
			ESTIMATED TOTAL	3233.05

Rev'n 3737

232034

AUTHORIZATION Witness by Duke Coulter

TITLE Toolpusher

DATE \_\_\_\_\_



**CONSOLIDATED**  
Oil Well Services, LLC

**ENTERED**

TICKET NUMBER 23811  
LOCATION Eureka  
FOREMAN Russell McCoy

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-19-09	5631	Sommer # 1				Butter
CUSTOMER Nolbe Petroleum Inc.			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS 3101 N. ROCK RD. STE 125			520	CLIFF		
CITY STATE ZIP CODE Wichita KS 67226			515	CHRIS		
			437	JIM		

JOB TYPE Longstring HOLE SIZE 7 7/8 HOLE DEPTH 2640 CASING SIZE & WEIGHT 5 1/2 14# New  
CASING DEPTH 2652 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
SLURRY WEIGHT 13.1 SLURRY VOL 31 Bbl WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 11.9  
DISPLACEMENT 64.7 DISPLACEMENT PSI 725# ~~MIN PSI~~ Bump Plug 1250# RATE \_\_\_\_\_

REMARKS: Safety meeting, Rig up to 5 1/2 casing, Break Circulation w/ 5 Bbl Fresh water, Pump 15 Bbl Metasilicate Flush, Pump 5 Bbl Fresh water spacer, mix 100 SKs T.S. cement w/ 5" Kalscal @ 13.7# gal yield 1.75 shut Down, wash out Pump & liners Release 5 1/2 hatch Down Plug Displace w/ 64.7 Bbl Fresh water Final Pump PSI 725# Bump Plug to 1250# wait 2 minutes Release PSI. Float Held. Job Complete, Tear Down. Good Circulation During cementing procedure

Thank you  
Russell McCoy

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	870.00	870.00
5406	40	MILEAGE	3.45	138.00
1126 A	100 SKs	Thick set cement	16.00	1600.00
110 A	500#	Kalscal 5#/SK	.39	195.00
1111 A	100#	Metasilicate Pic Flush	1.70	170.00
5407	5.5 Tons	Ton mileage Bulk Truck	mlc	296.00
5502 C	4 hrs	80 Bbl UAC Truck	94.00	376.00
1123	3,000 gals	city water	14.00/1000	42.00
4454	1	5 1/2 hatch Down Plug	228.00	228.00
4159	1	5 1/2 AEU Float Shoe	309.00	309.00
4104	1	5 1/2 cement Baskets	206.00	206.00
4130	4	5 1/2 x 7 7/8 Centralizers	44.00	176.00
				4606.00
		5.3 %	SALES TAX	155.09
			ESTIMATED TOTAL	4,761.09

Ravin 3737

032071

AUTHORIZATION Witnessed by Duke Coulter TITLE CTG Doly Rig Pusher DATE 11-19-09



# GERALD D. HONAS

PETROLEUM GEOLOGIST

212 N. Market - Suite 270  
Wichita, Kansas 67202 - 2021

Bus: (316) 263-2093  
Res: (316) 722-7963

November 20, 2009

## Geological Report

At the operator's request, only an abbreviated summary of a geological report was prepared on the Sommers No 1.

Noble Petroleum, Inc.  
Sommers No. 1  
2310' FNL & 2310' FWL  
Section 27-T24S-R4E  
Butler County, Kansas  
API #15-015-23,845

Contractor: C&G Drilling Company  
Spud Date: November 16, 2009  
Completed: November 19, 2009  
Elevation: 1366 GL and 1375 KB  
Surface Casing: 8 5/8" at 201' with 130 sacks of cement.  
Production Casing: 5 1/2" at 2639' with 100 sacks of cement.

This hole was drilled to a total depth of 2640 feet. At this point a suite of Log Tech open hole logs were run.

### Log Tops:

Iatan	1749	-374	Marmaton	2356	-981
Lansing	1850	-475	Cherokee Shale	2493	-1118
Kansas City	2127	-752	Mississippian	2556	-1181
Base Kansas City	2290	-915	LTD	2640	-1265

Geological supervision on this test was limited to 2520 to 2640, 10 dry samples were saved from 1600 to RTD and were deposited at the Kansas Geological Survey.

### Mississippian sample description:

2556 to 2562 Cherty Limestone, white, med xln. appears slightly weathered, firm and compact crystalline. No visible porosity, no shows.

2562 to 2572 Chert, gray, mostly fresh & sharp. Some pieces with edge weathering, with poor tripolitic porosity, weak increasing to fair odor with depth. Trace free oil and fluorescence in 10% of sample.

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2572 to 2578 Chert white to cream, fresh to slightly weathered, 3% with poor spotty fluorescence, weak to fair odor, trace of free oil.

2578 to 2583 Chert cream to gray, weathered with fair to some scattered good tripolitic and solution vug porosity, 15% with spotty fluorescence and light spotty stain, slightly pyritic, slight show of free oil and fair odor.


2583 to 2588 Chert cream, weathered with fair to good tripolitic and solution vug porosity, 20% of sample with fluorescence and light stain, fair to good odor, trace of free oil, all porosity carries show. Best show in Mississippi section.

2588 to 2626 Chert blue-gray and some white, mostly fresh and sharp, no visible porosity, no shows.

2626 to 2640 Limestone, white, medium compact crystalline, cherty, no visible porosity, no shows.

It is recommended that the Mississippian Chert be perforated and treated from 2556 to 2570. Should this zone be tight as samples indicate, it is recommended that 5 to 6 foot intervals be perforated and treated until fluid is found. Note that the best shows found in this hole is start at 2578 and increase with depth to 2588. Structurally, this hole is 25 to 30 low to the Klaassen wells to the east.

Respectfully submitted,

  
Jerry Honas  
Geologist

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