

ORIGINAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
October 2008  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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 Company  
Wellsite Geologist: Gerald D. Honas  
Purchaser: Coffeyville Resources  
Designate Type of Completion:  
 New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover \_\_\_\_\_  
 Oil \_\_\_\_\_ SWD \_\_\_\_\_ SIOW \_\_\_\_\_  
\_\_\_\_\_ Gas \_\_\_\_\_ ENHR \_\_\_\_\_ SIGW \_\_\_\_\_  
\_\_\_\_\_ CM (Coal Bed Methane) \_\_\_\_\_ Temp. Abd. \_\_\_\_\_  
\_\_\_\_\_ Dry \_\_\_\_\_ Other \_\_\_\_\_  
(Core, WSW, Expl., Cathodic, 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 \_\_\_\_\_  
\_\_\_\_\_ Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
\_\_\_\_\_ Commingled \_\_\_\_\_ Docket No.: \_\_\_\_\_  
\_\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No.: \_\_\_\_\_  
\_\_\_\_\_ Other (SWD or Enhr.?) \_\_\_\_\_ Docket No.: \_\_\_\_\_  
November 9, 2009 November 12, 2009 November 21, 2009  
Spud Date or \_\_\_\_\_ Date Reached TD \_\_\_\_\_ Completion Date or \_\_\_\_\_  
Recompletion Date \_\_\_\_\_ Recompletion Date \_\_\_\_\_

API No. 15 - 15-015-23,835-0000  
Spot Description: \_\_\_\_\_  
NW SW SE NE Sec. 27 Twp. 24 S. R. 4  East  West  
3262 Feet from  North /  South Line of Section  
1240 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Butler  
Lease Name: Klaassen Well #: 4  
Field Name: Plum Grove South  
Producing Formation: Mississippi  
Elevation: Ground: 1371 Kelly Bushing: 1380  
Total Depth: 2635 Plug Back Total Depth: 2611  
Amount of Surface Pipe Set and Cemented at: 215 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 Alt I ncr 1-25-10  
(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: [Signature]  
Title: President Date: 1/15/2010  
Subscribed and sworn to before me this 15<sup>th</sup> day of January,  
2010.  
Notary Public: [Signature]  
Date Commission Expires: November 16, 2011



**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
\_\_\_\_\_ UIC Distribution

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Operator Name: Noble Petroleum, Inc. Lease Name: Klaassen Well #: 4  
 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 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: Dual Induction Log Dual Compensated Porosity Log Sonic Cement Bond 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:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>latan</td> <td>1740</td> <td>-360</td> </tr> <tr> <td>Lansing</td> <td>1840</td> <td>-460</td> </tr> <tr> <td>Kansas City</td> <td>2120</td> <td>-740</td> </tr> <tr> <td>Base Kansas City</td> <td>2273</td> <td>-893</td> </tr> <tr> <td>Marmaton</td> <td>2348</td> <td>-968</td> </tr> <tr> <td>Mississippian</td> <td>2538</td> <td>-1158</td> </tr> <tr> <td>LTD</td> <td>2635</td> <td>-1255</td> </tr> </table>	Name	Top	Datum	latan	1740	-360	Lansing	1840	-460	Kansas City	2120	-740	Base Kansas City	2273	-893	Marmaton	2348	-968	Mississippian	2538	-1158	LTD	2635	-1255
Name	Top	Datum																							
latan	1740	-360																							
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Base Kansas City	2273	-893																							
Marmaton	2348	-968																							
Mississippian	2538	-1158																							
LTD	2635	-1255																							

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	215	Class A	130 sx	Cacl <sub>2</sub> 3%/Gel 2%
Production	7 7/8	5 1/2	14	2632	Thick Set	100 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 spf	2542-2558	500 gallons 15% MCA	
		1500 gallons 15% NEFE	

TUBING RECORD: Size: <u>2.375</u> Set At: <u>2604</u>		Packer At: <u> </u>	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. <u>November 28, 2009</u>		Producing Method: <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. <u>70</u>	Gas Mcf <u> </u>	Water Bbls. <u>10</u> Gas-Oil Ratio <u> </u> Gravity <u> </u>

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 <input type="checkbox"/> Other (Specify) <u> </u>	PRODUCTION INTERVAL: <u>2542-2558</u>
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Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

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**CONSOLIDATED**  
Oil Well Services, LLC



TICKET NUMBER 23723  
LOCATION Eureka  
FOREMAN Kevin McCoy

PO Box 884, Chanute, KS 66720  
620-431-8210 or 800-467-8676

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

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-9-09	5631	KLAASSEN #4	27	24S	4E	Butler
CUSTOMER Noble Petroleum, INC.			C & G DR19.			
MAILING ADDRESS 3101 N. Rock Rd Ste 125						
CITY Wichita	STATE Ks	ZIP CODE 67226	TRUCK #	DRIVER	TRUCK #	DRIVER
			445	Justin		
			543	DAVE		

JOB TYPE SURFACE HOLE SIZE 12 1/4" HOLE DEPTH 218' KB CASING SIZE & WEIGHT 8 5/8 23" New  
 CASING DEPTH 215' K.B. DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 15" SLURRY VOL 31 BBL WATER gal/sk 6.5 CEMENT LEFT IN CASING 20'  
 DISPLACEMENT 12.5 BBL DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety Meeting: Rig up to 8 5/8 casing. Break Circulation w/ 10 BBL fresh water. Mixed 130 sks Class "A" Cement w/ 3% CACL2, 2% Gel, 1/4" Floccle @ 15" / gal, yield 1.35. Displace w/ 12.5 BBL fresh water. Shut casing in. Good Cement Returns to Surface = 6 BBL Slurry to Pit. Job Complete. Rig down.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	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
1118 A	245 *	Gel 2%	.16 *	39.20
1107	32 *	Floccle 1/4" / sk	1.97 *	63.04
5407	6.11 TONS	TON Mileage BULK TRUCK	MIC	296.00
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			Sub Total	3126.39
			SALES TAX 5.3%	106.66
			ESTIMATED TOTAL	3233.05

Ravin 3737

AUTHORIZATION Witnessed By Duke Coulter

TITLE Toolpusher

DATE \_\_\_\_\_



**CONSOLIDATED**  
Oil Well Services, LLC



**ENTERED**

TICKET NUMBER 23724

LOCATION EUREKA

FOREMAN KEVIN 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
11-13-09	5631	KLAASSEN #4	27	245	4E	Butler
CUSTOMER <u>Noble Petroleum, Inc.</u>			C & G Drlg. Co.			
MAILING ADDRESS <u>3101 N. Rock Rd. Ste 125</u>						
CITY <u>WICHITA</u>	STATE <u>Ks</u>	ZIP CODE <u>67226</u>				
TRUCK#						
			<u>445</u>	<u>Justin</u>		
			<u>515</u>	<u>Chris</u>		
			<u>437</u>	<u>Jim</u>		

JOB TYPE Longstring HOLE SIZE 7 7/8 HOLE DEPTH 2635' KB CASING SIZE & WEIGHT 5 1/2 14" New  
 CASING DEPTH 2632' G.L. DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER PBD 2619' G.L.  
 SLURRY WEIGHT 13.7" SLURRY VOL 31 BBL WATER gal/sk 9.0 CEMENT LEFT in CASING 11.78'  
 DISPLACEMENT 64.6 BBL DISPLACEMENT PSI 700 PSI 1200 Bump Plug RATE \_\_\_\_\_

REMARKS: Safety Meeting: Rig up to 5 1/2 Casing. Break Circulation w/ 5 BBL Fresh water. Pump 15 BBL Metasilicate Pre Flush, 5 BBL water Spacer. Mixed 100 sks Thick Set Cement w/ 5" Kol-Seal /sk @ 13.7" /gal yield 1.75. Shut down. Wash out Pump & Lines. Release Latch down Plug. Displace w/ 64.6 BBL Fresh water. Final Pumping Pressure 700 PSI. Bump Plug to 1200 PSI. wait 2 minutes. Release Pressure. Float & Plug Held. Good Circulation @ ALL times while Cementing. Job Complete. Rig down.

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
1110 A	500 "	KOL-SEAL 5" /SK	.39 "	195.00
1111 A	100 "	Metasilicate Pre Flush	1.70 "	170.00
5407	5.5 TONS	Ton Mileage BULK TRUCK	M/C	296.00
5502 c	4 Hrs	80 BBL VAC TRUCK	94.00	376.00
1123	3000 gals	City water	14.00/1000	42.00
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4454	1	5 1/2 Latch down Plug	228.00	228.00
4159	1	5 1/2 AFU Float shoe	309.00	309.00
4104	1	5 1/2 Cement BASKET	206.00	206.00
4130	4	5 1/2 x 7 7/8 Centralizers	44.00	176.00
			Sub Total	4606.00
			SALES TAX	155.09
			ESTIMATED TOTAL	4761.09

Form 3737

THANK YOU

5.3%

232017

AUTHORIZATION Witnessed By Duke Coulter

TITLE C & G Drlg Toolpusher

DATE 11-13-09



# GERALD D. HONAS

PETROLEUM GEOLOGIST

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

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

September 13, 2009

## Geological Report

At the operator's request, only an abbreviated summary of a geological report was prepared on the Klaassen No 4.

Noble Petroleum, Inc.  
Klaassen No. 4  
3262' FSL & 1240' FEL  
Section 27-T24S-R4E  
Butler County, Kansas  
API #15-015-23,835

Contractor: C&G Drilling Company  
Spud Date: November 9, 2009  
Completed: November 12, 2009  
Elevation: 1371 GL and 1380 KB  
Surface Casing: 8 5/8" at 215' with 130 sacks of cement.  
Production Casing: 5 1/2" at 2632' with 100 sacks of cement.

This hole was drilled to a total depth of 2635 feet. At this point a suite of Log Tech open hole logs were run.

### Log Tops:

Iatan	1740	-360	Marmaton	2348	-968
Lansing	1840	-460	Cherokee Shale	2485	-1105
Kansas City	2120	-740	Mississippian	2538	-1158
Base Kansas City	2273	-893	LTD	2635	-1255

Geological supervision on this test was limited to 2537 to 2635, 10 dry samples were saved from 1600 to RTD and were deposited at the Kansas Geological Survey.

### Mississippian sample description:

2538 to 2546 Chert white to gray fresh, 4% of sample with fluorescence. 7 to 8 pcs chert with weathered edges, mostly poor weathered porosity, good rich stain in porosity, show oil film and weak odor.

2546 to 2550 Chert cream to gray & increasingly white. Chert is partly weathered with poor to scat fair weathered and slightly tripolitic porosity, 15% with patchy bright

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fluorescence, fair odor. Scattered stain and saturation and scattered show of light amber show of free oil.

2550 to 2558 Chert 40% white & 60% gray. Most gray chert is fresh, but does carry some poor to fair edgy weathered porosity. Stain in white chert is much lighter than in gray chert. Chert white, nearly all pieces carry spotty to bright even fluorescence, 60% of sample has spotty-patchy to even fluorescence. Poor to fair and some scattered good weathered and solution vug porosity. Fair light spotty saturation, some free oil and gas bubbles, fair odor.

2558 to 2562 Chert white to gray, increasingly fresh gray chert, 20% of sample with patchy bright to dull fluorescence, generally white weathered chert has fluorescence and gray chert carries rare stain and fluorescence, except in some scattered edgy weathering, some gray chert carries some fair solution vug porosity, the small percent of white chert carries some fair to good weathered and solution porosity, some free oil and gas bubbles and weak to fair odor.

2562 to 2569 Chert 65% gray and fresh, mostly with no visible porosity and no shows. 35% of sample is white chert with fair to scattered good vugular and solution porosity. Fluorescence and saturation appears more even and bright compared to patchy and spotty fluorescence and stain above. Scattered show of free oil and gas bubbles, some eodol quartz also with free oil and staining, fair odor.

2569 to 2578 Chert, increasingly gray fresh chert, partly glauconitic and pyritic, not as homogenous as above, now mottled white gray and blue, still 25 to 30% of sample with spotty and patchy fluorescence. Only 10% of sample white weathered chert, still all porosity carries fluorescence and stain. Overall poor weathered porosity in both white and gray chert, white chert better, show free oil and fair odor.

2578 to 2582 Chert blue gray and fresh. Still 5 to 8 % of sample is white chert with poor weathered porosity and spotty fluorescence. Chert is slightly pyritic, very weak odor.

2582 to 2589 Chert blue gray and white, mostly fresh, increase (now 12%) in fluorescence from above, all fluorescence associated with better porosity, but porosity is generally very poor weathered and 5 to 6 pieces with fair to good vugular and solution porosity, some poor scattered stain, slightly pyritic and weak odor.

2589 to 2594 Chert mostly as above, 13% with fluorescence, slight increase in odor and stain from above, all porosity carries fluorescence stain and slight shows of oil.

2594 to 2605 Chert mostly as above, 8% spotty dull fluorescence, chert is increasingly pyritic, still some free oil and stain in porosity, shows decreasing, weak odor.

2605 to 2617 Chert blue gray, fresh, sharp and pyritic, 2% with spotty dull fluorescence, no shows.

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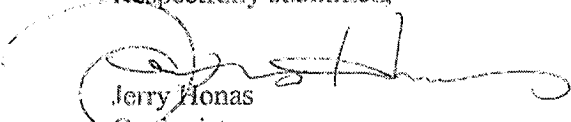
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2617 to 2635 Limestone, white, med crystalline, compact, cherty, no visible porosity, no shows.

It is recommended that the Mississippian Chert be perforated from 2546 to 2558. The zone from 2562 to 2569 should also be perforated before abandonment. If this zone proves commercial, consideration should be given to the lower porosity zones which also carried sample shows. Additional zones to consider before abandonment are 2572 to 2578 and 2583 to 2590.

Respectfully submitted,



Jerry Honas  
Geologist

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