



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1089167  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       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
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx)      (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ 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: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

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.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1089167

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input 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

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				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

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

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Noble Petroleum, Inc.
Well Name	KOEHN 1
Doc ID	1089167

Tops

Name	Top	Datum
Oread	1396	-18
Heebner	1431	-53
Douglas	1460	-82
Brown	1631	-253
Lansing	1694	-316
Stark	1994	-616
Hushpuckney	2022	-644
BKC	2049	-671
Marmaton	2110	-732
Mississippian	2198	-820
Kinderhook	2222	-844
Hunton	2350	-972







**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: \_\_\_\_\_

TIME ON: \_\_\_\_\_  
TIME OFF: \_\_\_\_\_

Company \_\_\_\_\_ Lease & Well No. \_\_\_\_\_  
Contractor \_\_\_\_\_ Charge to \_\_\_\_\_  
Elevation \_\_\_\_\_ Formation \_\_\_\_\_ Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Range \_\_\_\_\_ W County \_\_\_\_\_ State **KANSAS**  
Test Approved By \_\_\_\_\_ Diamond Representative \_\_\_\_\_

Formation Test No. \_\_\_\_\_ Interval Tested from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Total Depth \_\_\_\_\_ ft.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Bottom Recorder Depth (Outside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type \_\_\_\_\_ Viscosity \_\_\_\_\_ Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight \_\_\_\_\_ Water Loss \_\_\_\_\_ cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides \_\_\_\_\_ P.P.M. Drill Pipe Length \_\_\_\_\_ ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number \_\_\_\_\_ Test Tool Length \_\_\_\_\_ ft. Tool Size 3 1/2-IF in.  
Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length \_\_\_\_\_ ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: \_\_\_\_\_  
2nd Open: \_\_\_\_\_

Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
	Total

Time Set Packer(s) \_\_\_\_\_ A.M. P.M. Time Started Off Bottom \_\_\_\_\_ A.M. P.M. Maximum Temperature \_\_\_\_\_  
Initial Hydrostatic Pressure..... (A) \_\_\_\_\_ P.S.I.  
Initial Flow Period..... Minutes \_\_\_\_\_ (B) \_\_\_\_\_ P.S.I. to (C) \_\_\_\_\_ P.S.I.  
Initial Closed In Period..... Minutes \_\_\_\_\_ (D) \_\_\_\_\_ P.S.I.  
Final Flow Period..... Minutes \_\_\_\_\_ (E) \_\_\_\_\_ P.S.I. to (F) \_\_\_\_\_ P.S.I.  
Final Closed In Period..... Minutes \_\_\_\_\_ (G) \_\_\_\_\_ P.S.I.  
Final Hydrostatic Pressure..... (H) \_\_\_\_\_ P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



**CONSOLIDATED**  
Oil Well Services, LLC

**ENTERED**

TICKET NUMBER 34889

LOCATION Eureka, KS

FOREMAN Shannon Feck

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

**FIELD TICKET & TREATMENT REPORT**

**CEMENT** API # 15-115-21433

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-14-12	5031	Koehn #1	19	21S	5E	Marion
CUSTOMER <u>Noble Petroleum Inc</u>			C+6 DRL6			
MAILING ADDRESS <u>3101 N Rock Rd Ste 125</u>			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY <u>Wichita</u>			<u>520</u>	<u>Allen B</u>		
STATE <u>KS</u>			<u>611</u>	<u>Joey K</u>		
ZIP CODE <u>67226</u>						

JOB TYPE Surface HOLE SIZE 12 1/4" HOLE DEPTH 230' CASING SIZE & WEIGHT 8 5/8"  
 CASING DEPTH 217.96' DRILL PIPE KB TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.5-15# SLURRY VOL \_\_\_\_\_ WATER gal/sk 6.5 CEMENT LEFT in CASING 20'  
 DISPLACEMENT 13.4 Bbl DISPLACEMENT PSI 100 MIX PSI 100 RATE 5BPM

REMARKS: Safety Meeting, Rig up to 8 5/8" casing, Break circulation with 7 Bbl water. Mixed 130 SKS Class "A" Cement with 3% calcium 2% gel & 1/2# phenoseal/sk @ 14.5-15#/gal. Displace with 13.4 Bbl water & shut well in. Good circulation @ all times, 10-12 Bbl slurry to pit. Job complete.

*"Thanks Shannon & crew"*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	825.00	825.00
5406	40	MILEAGE	4.00	160.00
11045	130 SKS	Class "A" Cement	14.95	1943.50
1102	370 #	Calcium @ 3%	.74	273.80
1118B	250 #	Gel @ 2%	.21	52.50
1107A	65 #	Phenoseal @ 1/2#/sk	1.29	83.85
5407	6.00 Tons	Ton mileage bulk Truck	M/C	350.00
			Sub Total	3688.65
			7.8% SALES TAX	183.59
			ESTIMATED TOTAL	3872.24

Ravin 3737

051412

AUTHORIZATION Cotton

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

I warrant that the payment terms, unless specifically amended in writing on the front of the form or in the customer's

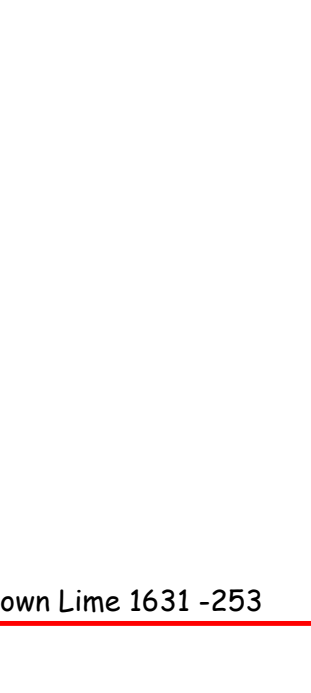




# Noble Petroleum, Inc.

**GEOLOGICAL REPORT**  
 DRILLING TIME & SAMPLE LOG

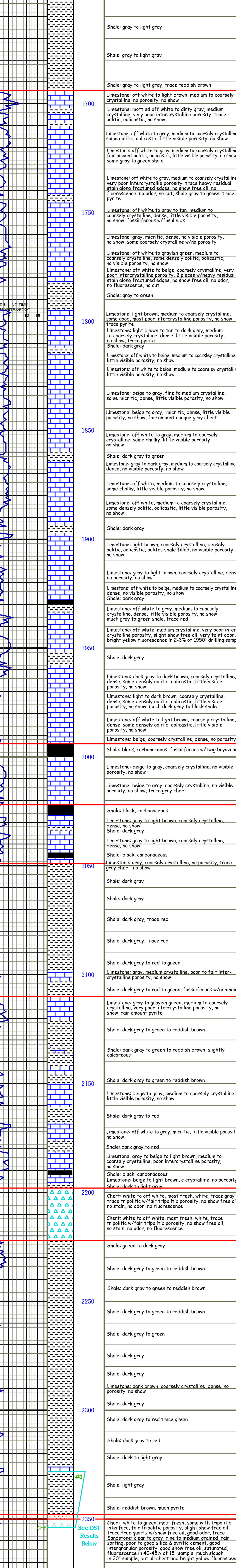
REPORT PREPARED BY FRANK S. WATZGEOLOGIST  
 AF#15-115-21-433



COMPANY	Noble Petroleum, Inc.	ELEVATION	
LEASE	Koehn #1	K.B.	1378
FIELD	W/C	D.F.	
LOCATION	2.068 FSL & 1.875 FEL	G.L.	1372
SEC	19 T1S R2E SE	DEPTH MEASURED FROM KB	
COUNTY	Marion STATE Kansas	Log	Drilling <input checked="" type="checkbox"/>
CONTRACTOR	C&G Drilling, Rig #1	Surface	8.83 @ 296
SPUD	7-14-12 COMP 7-18-12	Production	NONE
SAMPLES SAVED FROM	1600 TO RTD	Electric Logs	NONE

FORMATION	SAMPLE	ELOG	DATUM	A. Elog	B. Flg	C.
Oread	1396		-18			
Hebner	1431		-53			
Douglas	1460		-83			
Brown	1631		-253			
Lansing	1694		-316			
Stark	1994		-611			
Hushpuckney	2022		-644			
BKC	2049		-671			
Marmaton	2110		-723			
Mississippian	2198		-820			
Kinderhook	2222		-842			
Ludlow	2350		-972			
RTD	2354		-983			

REFERENCE WELLS  
 A. C.W.N.E.S.E. 19.21S.5E. Thunderbird, Graham #1  
 B. C.N.2.S.2E. 19.21S.5E. Pendleton, Greeley #2



1600  
 1650  
 1700  
 1750  
 1800  
 1850  
 1900  
 1950  
 2000  
 2050  
 2100  
 2150  
 2200  
 2250  
 2300  
 2350  
 2354

Oread, Hebner & Douglas tops picked from Geograph

Brown Lime 1631 -253

Lansing 1694 -316  
 vis 36 wt 9.3

Stark 1994 -616

Hushpuckney 2022 -644

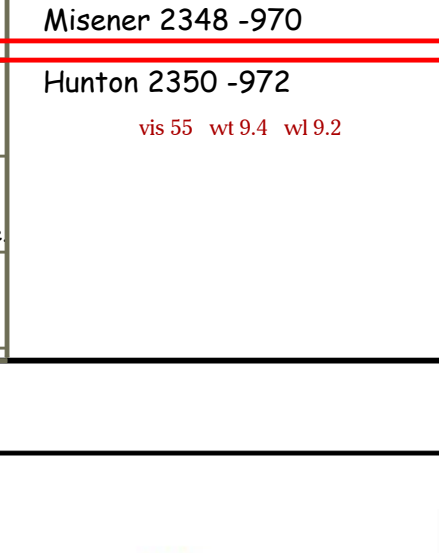
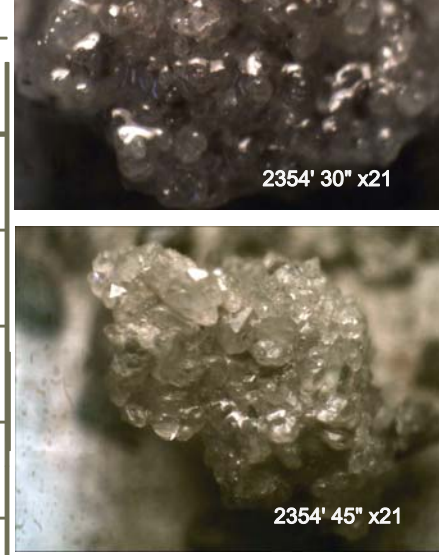
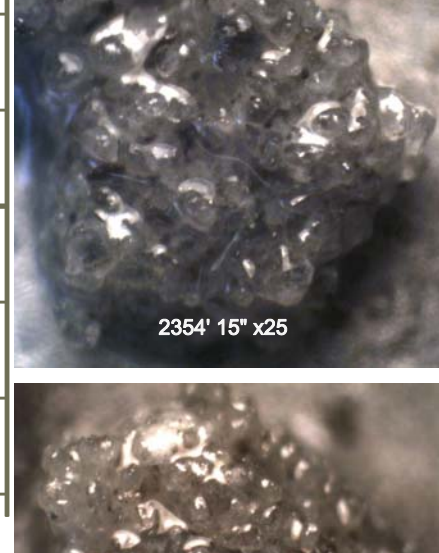
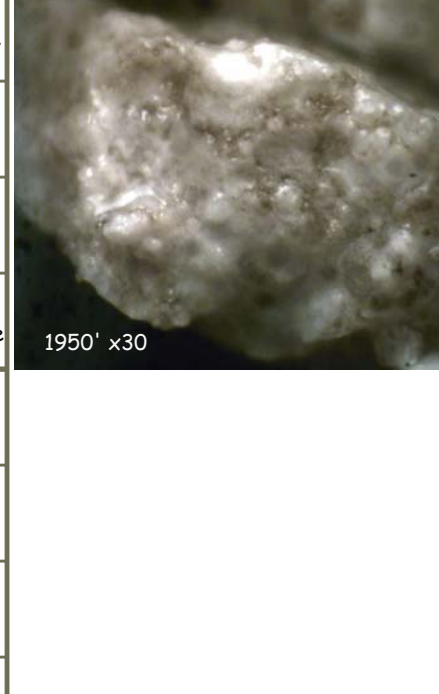
BKC 2049 -671

Marmaton 2110 -732

Mississippian 2198 -820

Kinderhook 2222 -894

Misener 2348 -972  
 vis 55 wt 9.4 wt 9.2



**Comments:**

**DIAMOND TESTING**  
 P.O. Box 157  
 HOISINGTON, KANSAS 67544  
 (800) 542-7313  
**DRILL-STEM TEST TICKET**  
 FILE: KHN1DST1

Company: NOBLE PETROLEUM Lease & Well No. KOEHN #1  
 Contractor: C&G RIG 1 Charge to: NOBLE PETROLEUM  
 Elevation: 1378 KB HUNTON Effective Pay \_\_\_\_\_ Ft. Traction No. M354  
 Date: 7/17/2012 Sec. 19 Twp. 21 S Range 5 E W County MARION State KANSAS  
 Test Approved By: FRANK MICZ Diamond Representative MIKE COCHRAN

Formation Test No. 1 Interval Tested from 2328 ft. to 2354 ft. Total Depth 2354 ft.  
 Packer Depth 2323 ft. Size 8 3/4 in. Packer depth NA ft. Size 6 3/4 in.  
 Packer Depth 2328 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

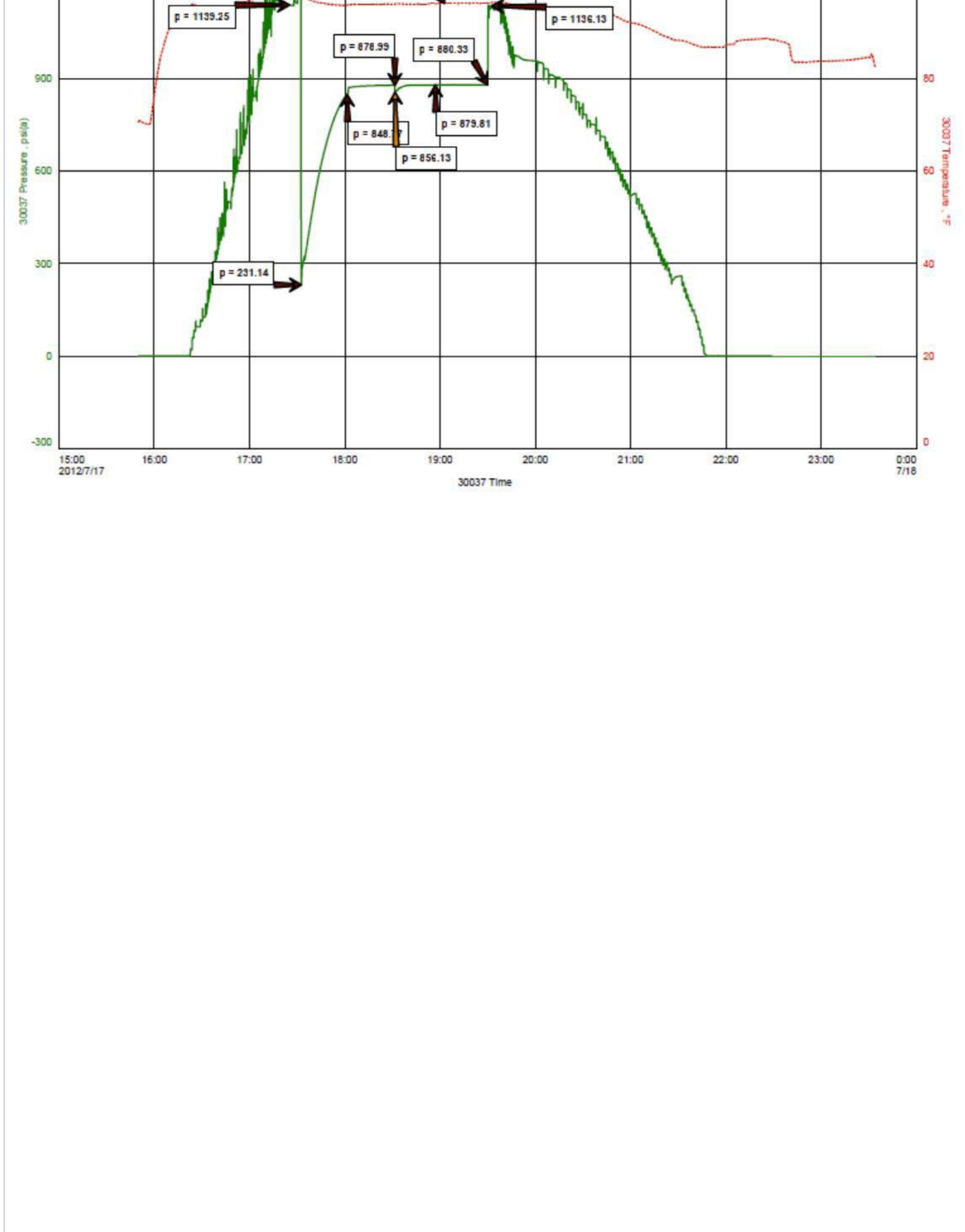
Blow: 1st Open: SSB, BOB 30 SEC (NO BB)  
 2nd Open: GSB, BOB 45 SEC AFTER 11 MIN QUIT BLOWING BOB AND DIMINISHED UNTIL DEAD @ 14 MIN (NO BB)

Recovered 532 ft. of GHOCWM 5% GAS, 37% OIL, 41% WTR, 17% MUD  
 Recovered 1376 ft. of GHOCWM 1% GAS, 30% OIL, 66% WTR, 3% MUD  
 Recovered 178 ft. of OSM 4% OIL, 93% WTR 3% MUD  
 Recovered 2086 ft. of TOTAL FLUID  
 Recovered \_\_\_\_\_ ft. of PH: 7.0  
 Recovered \_\_\_\_\_ ft. of RW: .65 @ 85°  
 Remarks: CHLOR: 7,000 PPM

TOOL SAMPLE: 4% OIL, 93% WTR, 3% MUD

Time Set Packer(s) 5:30 P.M. A.M. P.M. Time Started Off Bottom 7:25 P.M. A.M. P.M. Maximum Temperature 96

Initial Hydrostatic Pressure: (A) 1139 P.S.I.  
 Initial Flow Period: Minutes 30 (B) 231 P.S.I. to (C) 849 P.S.I.  
 Initial Closed In Period: Minutes (D) 879 P.S.I.  
 Final Flow Period: Minutes 25 (E) 856 P.S.I. to (F) 880 P.S.I.  
 Final Closed In Period: Minutes 30 (G) 880 P.S.I.  
 Final Hydrostatic Pressure: (H) 1136 P.S.I.



Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

July 31, 2012

Jay Ablah  
Noble Petroleum, Inc.  
3101 N ROCK RD STE 125  
WICHITA, KS 67226-1300

Re: ACO1  
API 15-115-21433-00-00  
KOEHN 1  
SE/4 Sec.19-21S-05E  
Marion County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Jay Ablah