

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORICAL
DESCRIPTION OF WELL AND LEASE

COPY

Operator: License # 31389Name: Noble Petroleum, Inc.Address 3101 North Rock Road - Suite 125City/State/Zip Wichita, Kansas 67226

Purchaser: _____

Operator Contact Person: Jay AblahPhone (316) 636-2222Contractor: Name: Duke Drilling Co., Inc.License: 5929Wellsite Geologist: Gerald Honas

Designate Type of Completion

☐ New Well ☐ Re-Entry ☐ Workover

☐ Oil ☒ SWD ☐ SLOW ☐ Temp. Abandon
☐ Gas ☐ ENHR ☐ SIGW
☐ Dry ☐ Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

☐ Deepening ☐ Re-perf. ☐ Conv. to Inj/SWD
☐ Plug Back ☐ PBDT
☐ Commingled ☐ Docket No. _____
☐ Dual Completion ☐ Docket No. _____
☐ Other (SWD or Inj?) ☐ Docket No. _____

12-03-98 12-17-98 1/20/99
 Spud Date Date Reached TD Completion Date

API NO. 15- 191-22330 0000County Sumner County, KansasC. NW -SW Sec. 23 Twp. 34S Rge. 1 XX E2055 Feet from S/W (circle one) Line of Section735 Feet from E/W (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)Lease Name Carthers Well # 1Field Name Wildcat

Producing Formation _____

Elevation: Ground 1151' KB 1160'Total Depth 4500' PBDT 3300'Amount of Surface Pipe Set and Cemented at 250' FeetMultiple 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 RELEASED

Location of fluid disposal if hauled offsite:

MAY 10 1999

Operator Name _____

Lease Name _____ License No. CONFIDENTIAL

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

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 on 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.

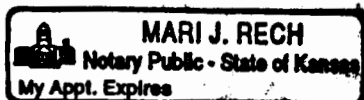
requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Mari J. RechTitle President Date 1/11/99Subscribed and sworn to before me this 11th day of January, 1999.Notary Public Mari J. RechDate Commission Expires November 16, 1999

K.C.C. OFFICE USE ONLY
 F ☐ Letter of Confidentiality Attached
 C ☐ Wireline Log Received
 C ☐ Geologist Report Received

Distribution
☒ KCC ☐ SWD/Rep ☒ NGPA
☐ KGS ☐ Plug ☐ Other
 (Specify) 13

Form ACO-1 (7-91)



Operator Name Noble Petroleum, Inc.Lease Name Carthers *CAROTHERS*Well # 1Sec. 23 Twp. 34S Rge. 1☐ East☒ WestCounty Sumner County, Kansas

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken ☒ Yes ☐ No
(Attach Additional Sheets.)Samples Sent to Geological Survey ☒ Yes ☐ NoCores Taken ☐ Yes ☒ NoElectric Log Run ☒ Yes ☐ No
(Submit Copy.)

List All E.Logs Run:

☒ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Stalnaker	2830	-1670
Layton	3218	-2058
K.C.	3382	-2222
Base K.C.	3479	-2319
Marmaton	3570	-2410
Miss.	3934	-2774
Kinderhook	4268	-3108
Simpson	4336	-3176
Arbuckle	4444	-3284
T.D.	4503	-3343

CASING RECORD

☐ New ☐ 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#	250'	60/40 Poz	200	3%cc 2%gel
Production	7-7/8"	5-1/2"	14#	3111'	MidConII	120	

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
☐ Perforate				
☐ Protect Casing				
☐ Plug Back TD				
☐ 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
	2867-2917		

TUBING RECORD	Size	Set At	Packer At	Liner Run	☐ Yes ☐ No
		2837'			
Date of First, Resumed Production, SWD or Inj.	Producing Method ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas: METHOD OF COMPLETION

Production Interval

☐ Vented ☐ Sold ☐ Used on Lease
(If vented, submit ACO-18.)

☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other (Specify) _____