

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
APPLICATION FOR SURFACE PIT**

Form CDP-1
April 2004
Form must be Typed

Submit in Duplicate

Operator Name: Noble Energy, Inc		License Number: 33190
Operator Address: 1625 Broadway, Suite 2200		
Contact Person: Erin K Joseph		Phone Number: 303-228-4089
Lease Name & Well No.: Hederhorst #1		Pit Location (QQQQ): NE - NE - NW -
Type of Pit: <input type="checkbox"/> Emergency Pit <input type="checkbox"/> Burn Pit <input type="checkbox"/> Settling Pit <input type="checkbox"/> Drilling Pit <input checked="" type="checkbox"/> Workover Pit <input type="checkbox"/> Haul-Off Pit <small>(If WP Supply API No. or Year Drilled)</small>	Pit is: <input checked="" type="checkbox"/> Proposed <input type="checkbox"/> Existing If Existing, date constructed: _____ Pit capacity: 100 (bbls)	Sec. 11 Twp. 9 R. 19 <input type="checkbox"/> East <input checked="" type="checkbox"/> West 2,970 Feet from <input type="checkbox"/> North / <input checked="" type="checkbox"/> South Line of Section 4,950 Feet from <input checked="" type="checkbox"/> East / <input type="checkbox"/> West Line of Section Rooks _____ County
Is the pit located in a Sensitive Ground Water Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Chloride concentration: _____ mg/l <small>(For Emergency Pits and Settling Pits only)</small>
Is the bottom below ground level? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Artificial Liner? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	How is the pit lined if a plastic liner is not used?
Pit dimensions (all but working pits): <u>8</u> Length (feet) <u>12</u> Width (feet) <input type="checkbox"/> N/A: Steel Pits Depth from ground level to deepest point: <u>5</u> (feet) <input type="checkbox"/> No Pit		
If the pit is lined give a brief description of the liner material, thickness and installation procedure. 6 mil poly, installed in bottom of pit, up all sides and held in place w/ soil around edges		Describe procedures for periodic maintenance and determining liner integrity, including any special monitoring. Monitor fluid Level to assure no fluid loss
Distance to nearest water well within one-mile of pit _____ feet Depth of water well _____ feet		Depth to shallowest fresh water _____ feet. Source of information: <input type="checkbox"/> measured <input type="checkbox"/> well owner <input type="checkbox"/> electric log <input type="checkbox"/> KDWR
Emergency, Settling and Burn Pits ONLY: Producing Formation: _____ Number of producing wells on lease: _____ Barrels of fluid produced daily: _____ Does the slope from the tank battery allow all spilled fluids to flow into the pit? <input type="checkbox"/> Yes <input type="checkbox"/> No		Drilling, Workover and Haul-Off Pits ONLY: Type of material utilized in drilling/workover: <u>salt water / mud</u> Number of working pits to be utilized: <u>1</u> Abandonment procedure: <u>All loose fluid will be picked up by a vacuum truck and pit will be backfilled</u> Drill pits must be closed within 365 days of spud date.
I hereby certify that the above statements are true and correct to the best of my knowledge and belief. <u>5/6/2010</u> _____ Date Signature of Applicant or Agent		

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KANSAS CORPORATION COMMISSION
MAY 12 2010
CONSERVATION DIVISION
WICHITA, KS

KCC OFFICE USE ONLY		Steel Pit <input type="checkbox"/>	RFAC <input type="checkbox"/>	RFAS <input type="checkbox"/>
Date Received: <u>5-6-10</u>	Permit Number: <u>15-163-01627-00-01</u>	Permit Date: _____	Lease Inspection: <input type="checkbox"/> Yes <input type="checkbox"/> No	

Operator & Address: Noble Energy, Inc. 1016 Highway 40 Bypass Hays, KS. 67601

Lic.# 33190 Contact Person: JAMES POMMEREN Phone # 785-631-0830

Lease Name & Well # Hederhorst #1 API # or Spud Date: _____

Location: NE-NE-NW /4 Sec: 11 Twp: 9S Rge: 19 E W County: Rooks

4950 feet from the North ~~South~~ Line, 2970 feet from the ~~East~~ / West Line of SE /4 section.

Purpose of Pit: Cement Linder Depth to Ground Water: _____

Nature of Fluids: Bride, cement, Fresh water

Construction: Earth, Width: 10, Length: 10, Depth: 8 bbl capacity: 100

Liner Specifications: Plastic

This lease produces from the following formation(s): LKC-ARB.

Date of Verbal Permit: 5-6-2010, KCC Agent: Richard Witter

To save paperwork, copy this form after completion of the first 11 lines. Use copy for closure form.

Dates Pit Used: From 5-10-10 To 6-10-10 Date Water Hauled: _____

Proposed Closing Procedure / Actual Closure information: _____

Pit must be closed in _____ days. _____ (signature) _____ (date)

***** KCC USE ONLY *****

Groundwater Sensitive Area YES () NO (); Field Inspection Date: _____, Agent: _____

Chloride of Water in Pit: _____, Date Collected: _____

_____ feet to nearest Water Well. Depth of Water Well: _____, Application Tabulated

ELYSIUM ENERGY LLC
DENVER CO 80202

11-09S-19W
NE NE NW

#1 HENDERHORST, F. F. OWWO

site: 3-3/4 N & 1 E OF ZURICH KS	city: ROOKS	API 15-163-01627
contr: EXPRESS WELL SVC	field: BARRY	
geol: NONE		
fr date 08/18/2003	spd date 12/13/2002	drig comp 12/13/2002
	card issued 08/18/2003	last revised 08/18/2003

ELV: 2016 GL LOG	
tops.....depth/datum	
* ANH.....1395 +621	
* B/ANH.....1445 +571	
LANS.....3186 -1170	
ARB LM.....3431 -1415	
TD OLD.....3433 -1417	
LTD OLD.....3450 -1434	
DDTD OLD.....3451 -1435	
* SAMPLE TOP	

IP status
OIL, P 7 BO & 198 BWP, LKC 3430-3434 , ARB 3434-3450 , 12/18/2002
OLD INFO: OPERATOR WAS CONTINENTAL OIL CO, 1 HEDERHORST, F. F., SPD 11/06/1943, 11/22/1943 10-3/4" 239 / 240 SX, 6" 3434 / 200 SX, OIL, P 3,000 BOPD, NW, ARB 3434-3450 , 01/29/1944(CARD ISSUED 09/01/1947)
CONTR: PARKER DRILLING
COMMENT: WAS TEMP API IOG-25758
DRLR SD ZNS: 45-110 (W/SHELLS), 490-790 (W/SH), 810-1100 (W/SH)

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INDEPENDENT OIL & GAS SERVICE, INC.
WICHITA, KANSAS

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MAY 07 2010

CONSERVATION DIVISION
WICHITA, KS