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KANSAS CORPORATION COMMISSION
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CONSERVATION DIVISION

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

COPY

Operator: License # 32798
Name: Hart Energies, L.L.C.
Address: 11051 So. Memorial, #200
City/State/Zip: Tulsa, OK 74133
Purchaser: EnergyOne
Operator Contact Person: William G. Hart
Phone: (918) 369-3315
Contractor: Name: Pratt Well Service
License: 5893
Wellsite Geologist: William G. Hart

Designate Type of Completion:
____ New Well XXX Re-Entry ____ Workover
____ Oil ____ SWD ____ SIOW ____ Temp. Abd.
____ Gas ____ ENHR XXX SIGW
____ Dry ____ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:
Operator: Aylward Drilling
Well Name: #1 Rankin
Original Comp. Date: 9-22-61 Original Total Depth: 4641
____ Deepening ____ Re-perf. ____ Conv. to Enhr./SWD
____ Plug Back ____ Plug Back Total Depth
____ Commingled Docket No. ____
____ Dual Completion Docket No. ____
____ Other (SWD or Enhr.?) Docket No. ____

7/21/2001 Date of REENTRY | 7/23/01 Date Reached TD | 10/26/2001 Completion Date or Recompletion Date

API No. 15 - 007-00049-00-01
County: Barber
E2 NE SW Sec. 1 Twp. 31 S. R. 10 ☐ East ☒ West
1980 feet from (S) / N (circle one) Line of Section
2310 feet from E / (W) (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW (SW)
(FORMERLY RANKIN #1)
Lease Name: Lauterbach (OWWO) Well #: 1
Field Name: Wildcat
Producing Formation: Cherokee / Miss
Elevation: Ground: unk Kelly Bushing: 1719KB
Total Depth: 4641' Plug Back Total Depth: 4610'
Amount of Surface Pipe Set and Cemented at 206' Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☒ No
If yes, show depth set na Feet
If Alternate II completion, cement circulated from na
feet depth to ____ w/ ____ sx cmt.

Drilling Fluid Management Plan REENTRY gh 3/14/02
(Data must be collected from the Reserve Pit)
Chloride content unknown ppm Fluid volume 480 bbls
Dewatering method used ____
Location of fluid disposal if hauled offsite:
Operator Name: Nicholas Service Inc
Lease Name: Nicholas SWDW License No.: 4706
Quarter ____ Sec. 20 Twp. 30 S. R. 8 ☐ East ☒ West
County: Kingman Docket No.: D 25073

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: William G Hart
Title: member, HART Energies LLC Date: 1/8/02

Subscribed and sworn to before me this 8th day of January, 2002.

Notary Public: Helen Casey
Date Commission Expires: 11-01-2004

HELEN CASEY
NOTARY PUBLIC
IN AND FOR
STATE OF
OKLAHOMA
TULSA COUNTY

KCC Office Use ONLY
✓ Letter of Confidentiality Attached
If Denied, Yes ☐ Date: ____
✓ Wireline Log Received
____ Geologist Report Received
____ UIC Distribution
IOG

Side Two

Operator Name: Hart Energies, L.L.C. Lease Name: Lauterbach(OWWO) Well #: 1

Sec. 1 Twp. 31 S. R. 10 ☐ East ☒ West County: Barber

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 (Attach Additional Sheets) ☐ Yes ☒ No

Samples Sent to Geological Survey ☐ Yes ☒ No

Cores Taken ☐ Yes ☒ No

Electric Log Run (Submit Copy) ☒ Yes ☐ No

List All E. Logs Run:

Casing Collar Locator;
Cement Bond Log

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

Name	Top	Datum
Cherokee Sandstone	4444'	-2725
Miss	4455	-2736

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
Production		4 1/2"	9.5	4610'	60/40POZ	25	57# FLA-322
					AA-2	120	643 # Salt 12#Defoamer
							599#Gilsonit 500gl Md Fish

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: none
___ Perforate
___ Protect Casing
___ Plug Back TD
___ Plug Off Zone

Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives

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
1 / ft	4444-4452; 4455-4458 11 shots	1000 gal 7½% HCl	4444-4458
		19500 lb sand	

TUBING RECORD Size: 2 3/8" Set At: 4468. Packer At: none Liner Run ☐ Yes ☒ No

Date of First, Resumerd Production, SWD or Enhr.: project Jan, 2002

Producing Method ☒ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	1	90	45	90,000	unk

Disposition of Gas: ☐ Vented ☒ Sold ☐ Used on Lease (If vented, Sumit ACO-18.)

METHOD OF COMPLETION: ☐ Open Hole ☒ Perf. ☐ Dually Comp. ☒ Commingled ☐ Other (Specify)

Production Interval: Cher Ss 4444-4452
Miss 4455-4458