

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

Operator: License # 04782

Name: Ensign Operating Co.

Address P. O. Box 2161

City/State/Zip Liberal, KS. 67905-2161

Purchaser: Duke Energy

Operator Contact Person: Wes Willimon

Phone (316) 626-8131

Contractor: Name: Cheyenne Drlg., Inc.

License: 5382

Wellsite Geologist: NONE

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover

☒ Oil ☐ SWD ☐ SIOW ☐ Temp. Abd.

☒ Gas ☐ ENHR ☐ SIGW

☐ Dry ☐ Other (Core, WSV, Expl., Cathodic, etc.)

If Workover/Re-Entry: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

☐ Deepening ☐ Re-perf. ☐ Conv. to Inj/SWD

☐ Plug Back ☐ PBTD

☐ Commingled ☐ Docket No. _____

☐ Dual Completion ☐ Docket No. _____

☐ Other (SWD or Inj?) ☐ Docket No. _____

05/22/2000 05/25/2000 06/13/2000

Spud Date Date Reached TD Completion Date

API NO. 15- 175-21796-0000

County Seward

NE SW NE Sec. 13 Twp. 33S Rge. 32 E

1700 Feet from S (circle one) Line of Section

1440 Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(NE, SE, NW or SW (circle one))

Lease Name Kane Well # 2-13

Field Name Kismet

Producing Formation Chase

Elevation: Ground 2749' KB 2759'

Total Depth 2850' PBTD 2814'

Amount of Surface Pipe Set and Cemented at 630 Feet

Multiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show Depth (ft) _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cnt.

Drilling Fluid Management Plan ALT 1 JH 01-16-01
(Data must be collected from the Reserve Pit)

Chloride content 20,000 ppm Fluid volume 2875 bbls

Dewatering method used Hauled To Disposal.

Location of fluid disposal if hauled offsite: _____

Operator Name West Sun Set Disposal

Lease Name Roeher #2 License No. 32462

Quarter Sec. 36 Twp. 34 S Rng. 36 E

County Stevens Docket No. E-25-363

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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.

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 Wes Willimon

Title Production Supt. Date 09/15/2000

Subscribed and sworn to before me this 15th day of Sept. 2000.

Notary Public William L. Waldorf

Date Commission Expires Sept. 19th, 2002

NOTARY PUBLIC - State of Kansas
WILLIAM L. WALDORF
My Appl. Exp. 09-19-2002

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) <u>IOG</u>		

Drill Stem Tests Taken ☐ Yes ☒ No
(Attach Additional Sheets.)

Samples Sent to Geological Survey ☐ Yes ☒ No

Cores Taken ☐ Yes ☒ No

Electric Log Run ☒ Yes ☐ No
(Submit Copy.)

See attached

Name	Top	Datum
Herrington	2536'	
Winfield	2666'	

☐ New ☐ Used

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
1) Surface	12 $\frac{1}{4}$ "	8-5/8"	25#	630'	Lite Class C	190 125	2% CC; $\frac{1}{4}$ #/Sx Folcele
2) Production	7-7/8"	4 $\frac{1}{2}$ "	10.5#	2856'	50/50 Poz Class C	240 150	$\frac{1}{4}$ #/Sx Flocele

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
☐ 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
1 JSPF	2544, 2546, 2548, 2550, & 2552'		Az w/1125 Gal. of 7.5% MCA Acid containing		
1 JSPF	2576, 2578, 2580, 2582, 2584, 2586, 2588, 2590, 2592, & 2594'		30 Gal. Morflo III, 2 Gal. HG-2, & 2 Gal. HAI-81.		
			(SEE ATTACHED FRAC DATA INFO)		
TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-3/8"	2550'	NA	☐ Yes ☒ No
Date of First, Resumed Production, SWD or Inj.			Producing Method		
06/13/2000			☒ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)		
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water
		0		351	
					Bbls.
					16
					Gas-Oil Ratio
					NA
					Gravity

Production Interval

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled

☐ Other (Specify) _____

2544 - 2594'