

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

Operator: License # 04782Name: Ensign Operating Co.Address P. O. Box 2161City/State/Zip Liberal, KS. 67905-2161Purchaser: Duke EnergyOperator Contact Person: Wes WillimonPhone (316) 626-8131Contractor: Name: Cheyenne Drlg., Inc.License: 5382Wellsite Geologist: NA

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover☐ Oil ☐ SUD ☐ SIOW ☐ Temp Abd.☒ Gas ☐ ENHR ☐ SIGW☐ Dry ☐ Other (Core, WSW, 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/SUD☐ Plug Back ☐ PSTD☐ Commingled ☐ Docket No. _____☐ Dual Completion ☐ Docket No. _____☐ Other (SUD or Inj?) ☐ Docket No. _____

<u>05/26/2000</u>	<u>05/29/2000</u>	<u>06/23/2000</u>
Spud Date	Date Reached TD	Completion Date

API NO. 15- 175-21797-0000County SewardSW SE NW Sec. 18 Twp. 33S Rge. 31 ☒ E ☒ W2495 Feet from S ☒ (circle one) Line of Section1658 Feet from E ☒ (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, SE, ☒ NW or SW (circle one)Lease Name Dudrey Well # 2-18Field Name KismetProducing Formation ChaseElevation: Ground 2734' KB 2744'Total Depth 2850' PSTD 2802'Amount of Surface Pipe Set and Cemented at 639 FeetMultiple Stage Cementing Collar Used? ☐ Yes ☒ No☒ Yes, show depth set _____ Feet☒ Alternate II completion, cement circulated from _____

Set depth to _____ w/ _____ sx cat.

Drilling Fluid Management Plan Act 1 4/15/01 JB
(Date must be collected from the Reserve Pit)Chloride content 15,000 ppm Fluid volume 0 bblsDewatering method used Hauled To Disposal per KCC
Instructions.

Location of fluid disposal if hauled offsite:

Operator Name West Sun Set DisposalLease Name Roeher #2 License No. 32462Quarter Sec. 36 Twp. 34 S Rng. 36 ☒ E ☒ WCounty 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 WillimonTitle Production Supt. Date 09/19/2000Subscribed and sworn to before me this 19th day of Sept. 2000.Notary Public William L. WaldorfDate Commission Expires Sept. 19th, 2002

NOTARY PUBLIC - State of Kansas
WILLIAM L. WALDORF
My Comm. 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	☐ SUD/Rep.	☒ NGPA
☐ KGS	☐ Plug	☒ Other (Specify)
<u>IDG</u>		

Operator Name Ensign Operating Co.Lease Name DudreyWell # 2-18Sec. 18 Twp. 33S Rge. 31☐ EastCounty Seward☒ West

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
(Attach Additional Sheets.)☐ Yes ☒ No

Samples Sent to Geological Survey

☐ Yes ☒ No

Cores Taken

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

List All E.Logs Run:

See attached CBL, GR Next Log☒ Log Formation (Top), Depth and Datum ☐ SampleName
Herrington
WinfieldTop
2528'
2656'

Datum

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"	25#	639'	50/50 Lite Class H	180 125	2% CC & 1/4# / Sx. Flocele
Production	7-7/8"	4 1/2"	10.5#	2850'	Prem + Lite Class H	240 160	2% CC, 1/4# / Sx. Flocele
						18 KCC	

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
1 JSPF	2536, 2538, 2540, 2542, & 2544'	Az w/ 1125 Gal. of 7.5% MCA Acid containing 30 Gal. Morflo III, 2 Gal. HC2, & 2 Gal. HAI81.	
1 JSPF	2570, 2572, 2574, 2576, 2578, 2580, 2582, 2584, 2586, & 2588'	(SEE ATTACHED FRAC DATA)	

TUBING RECORD		Size 2-3/8"	Set At 2535.49'	Packer At NA	Liner Run ☐ Yes ☒ No			
Date of First, Resumed Production, SWD or Inj. 06/23/2000			Producing Method ☒ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)					
Estimated Production Per 24 Hours	Oil	Bbls. 0	Gas	Mcf 379	Water	Bbls. 2	Gas-Oil Ratio NA	Gravity

Disposition of Gas:

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

METHOD OF COMPLETION

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

Production Interval

2536 - 2588'