

SIDE ONE

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

Operator: License # 04782
Name Ensign Operating Co.
Address 621 17th St., Suite 1800
City/State/Zip Denver, CO 80293

Purchaser Northern Natural

Operator Contact Person Larry Hartnett
Phone 303-293-9999

Contractor: License # 5107
Name H-30 Drilling, Inc.

Wellsite Geologist Wesley W. Lilley
Phone (303) 771-9626

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD Temp Abd
 Gas Inj Delayed Comp
 Dry Other (Core, Water Supply etc.)

If OWNO: old well info as follows:
Operator
Well Name
Comp. Date
Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
4-24-89 5-3-89 7/20/89
Spud Date Date Reached TD Completion Date
5,700' 5655'
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 1722 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set...feet
If alternate 2 completion, cement circulated from...feet depth to...w/...SX cmt
Cement Company Name
Invoice #

API NO. 15-175-21,090-0000
County Seward FROM CONFIDENTIAL
SE...NW...NW Sec. 26 Twp. 31 Rge. 32 East West
4290 Ft North from Southeast Corner of Section
4290 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Feiertag Well # 2-26

Field Name

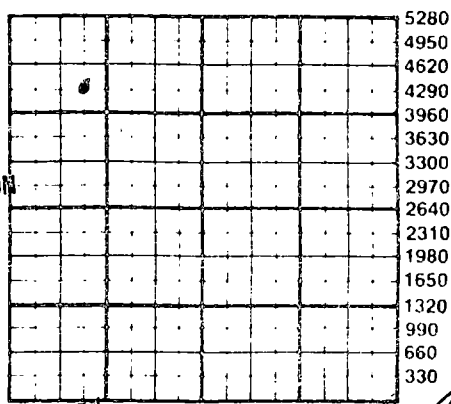
Producing Formation Morrow

Elevation: Ground 2842' KB 2853'

Section Plat

OCT 30 1989

RECEIVED
STATE CORPORATION COMMISSION
OCT 27 1989
10-27-89
CONSERVATION DIVISION
Wichita, Kansas



KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

WATER SUPPLY INFORMATION
Disposition of Produced Water: Disposal
Docket # Repressuring

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717
Source of Water:
Division of Water Resources Permit # None required
 Groundwater...Ft North from Southeast Corner (Well) ...Ft West from Southeast Corner of Sec Twp Rge East West
 Surface Water...Ft North from Southeast Corner (Stream, pond etc)...Ft West from Southeast Corner Sec Twp Rge East West
 Other (explain) Purchased water from farmer's small pond (purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log shall be attached with this form. 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 Penelope J. Stiers
Title Manager, Operations Date 10/24/89

Subscribed and sworn to before me this 24 day of October 1989
Notary Public Penelope J. Stiers

Date Commission Expires My Commission expires October 21, 1991
621 17th St. Suite 1800
Denver, Colorado 80293

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Time Log Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

Operator Name **Ensign Operating** Lease Name **Feiertag** Well # **2-26**

Sec. **26** Twp. **31S** Rge. **32** East West County **Seward** **RELEASED**

JUN 14 1961

WELL LOG

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.

FROM CONFIDENTIAL

Drill Stem Tests Taken Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

DST #1: 5452-5550', Morrow. 30, 60, 60, 120 min. Initial Blow - btm of bucket in 2 min, no gas to surf. Final Blow - strong blow, gas to surf in 45 min @ 1.39 MCFD. Recovery: 140 GCM, 20% gas, 80% mud Pressures: HP 2770-2650 FP 74-85, 85-96 SIP 202-672, still bldg slowly

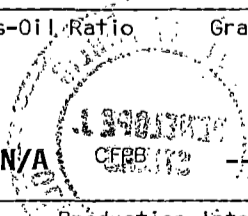
Name	Top	Bottom
Sand and Red Bed	0	1,130'
Sand, Shale and Red Bed	1,130'	1,725'
Shale and Lime	1,725'	5,700'
Rotary Total Depth		5,700'

DST #2: 5520-5577', Basal Morrow. 30, 60, 60, 120 min. Initial Opn - GTS in 12 min. 61.9 MCFPD after 30 min. Final Opn - flwd 89.8 MCFD stabilized. Recovery: GTS and 120' mud Pressures: FP 88-111, 88-77 SIP 1656-1634 HP 2739-2510 Sampler: 2000 cc gas @ 140#

Log Tops:

Basal Atoka Porosity	5426'
Morrow	5442'
Morrow "C" SS	5506'
Basal Morrow SS	5554'
Chester	5573'

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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"	24#	1722'	Lite Wt.	500	3% cc
Production	7-7/8"	4-1/2"	10.5#	5699'	Class H	175	2% cc
					Class H	225	3% KCL
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			Amount and Kind of Material Used			Depth
4	5549-5562'			1000 gal. 15% HCl. Fe			
2	5517-5522'			89,000 gal CO2 Foam & 180,611# 20/40 Mesh Sand			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Size	Set At	Packer at					
2-3/8"	5485'	--					
Date of First Production		Producing Method					
When hooked up to gas sales line		<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	0 Bbls	400 MCF	0 Bbls	N/A	-		



METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Sold Used on Lease Open Hole Perforation Other (Specify) **Morrow**..... **5517-5562'**..... Dually Completed Commingled

THIS IS A COPY OF THE ORIGINAL RECORD AND IS NOT TO BE USED FOR ANY OTHER PURPOSE

5 SIDE ONE

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

Operator: License # 04782
Name Ensign Operating Co.
Address 621 17th St., Suite 1800
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Purchaser Northern Natural

Operator Contact Person Larry Hartnett
Phone 303-293-9999

Contractor: License # 5107
Name H-30 Drilling, Inc.

Wellsite Geologist Wesley W. Lilley
Phone (303) 771-9626

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD Temp Abd
 Gas Inj Delayed Comp
 Dry Other (Core, Water Supply etc.)

If OWWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable

4-24-89 5-3-89 7/20/89
Spud Date Date Reached TD Completion Date

5,700' 5655'
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 1722 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated from feet depth to w/ SX cmt
Cement Company Name
Invoice #

API NO. 15-175-21,090-0000

County Seward

SE NW NW Sec. 26 Twp. 31 Rge. 32 East West

4290 Ft North from Southeast Corner of Section
4290 Ft West from Southeast Corner of Section

(Note: Locate well in section plat below)

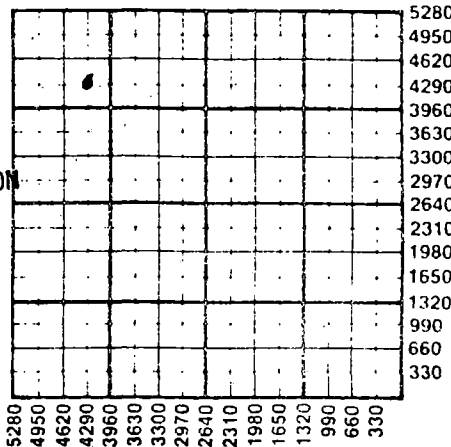
Lease Name Feiertag Well # 2-26

Field Name

Producing Formation Marrow

Elevation: Ground 2842' KB 2853'

Section Plat



RECEIVED
STATE CORPORATION COMMISSION
OCT 27 1989
CONSERVATION DIVISION
Wichita, Kansas

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit # None required

Groundwater Ft North from Southeast Corner
(Well) Ft West from Southeast Corner of
Sec Twp Rge East West

Surface Water Ft North from Southeast Corner
(Stream, pond, etc.) Ft West from Southeast Corner
Sec Twp Rge East West

Other (explain) Purchased water from farmer's small pond
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All elements 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 Penelope J. Steins
Title Manager Operations Date 10/24/89

Subscribed and sworn to before me this 24 day of October 1989
Notary Public Penelope J. Steins

Date Commission Expires My Commission expires October 21, 1991

621 17th St. Suite 1800
Denver, Colorado 80293

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

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 621 17th St.

Suite 1800

City/State/Zip Denver, CO 80293

Purchaser: Northern Natural

Operator Contact Person: J. C. Simmons

Phone (303) 293-9999

Contractor: Name: H-30 Drllg, Inc.

License: 5107

Wellsite Geologist: Wesley W. Lilley

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SLOW 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/SWD

Plug Back 5475' PBDT _____

Commingled _____ Docket No. _____

Dual Completion _____ Docket No. _____

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

4/24/89 5/3/89 7/20/89

Spud Date Date Reached TD Completion Date

Operations turned over to: First National Oil, Inc., 2340 Tampa Ave., Suite H, El Cajon, Ca.

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 Connie Smith

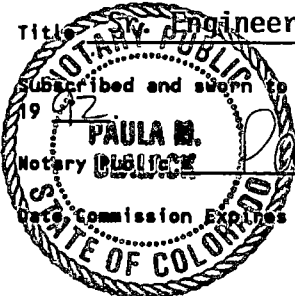
Title Engineering Technician Date 5/15/92

Subscribed and sworn to before me this 15th day of May

Paula M. Bralack

Notary Public Paula M. Bralack

Date Commission Expires 10-18-95



API NO. 15- 175-21,090 - ORIGINAL

County Seward

SE-NW-NW Sec. 26 Twp. 31S Rge. 32 X^E_U

4290 Feet from S/W (circle one) Line of Section

4290 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 Feiertag Well # 2-26

Field Name Thirty-One

Producing Formation Morrow - Abandoned - CIBP set
on wireline @ 5475'

Elevation: Ground 2842' KB 2853'

Total Depth 5700' PBDT 5475'

Amount of Surface Pipe Set and Cemented at 1722' Feet

Multiple 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 7-27-93
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume _____ bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

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

County _____ Docket No. _____

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep Other
 KGS Plug Other (Specify)
RECEIVED
KANSAS CORPORATION COMMISSION
CONSERVATION DIVISION
Wichita, Kansas

Operator Name Ensign Operating Co. Lease Name Feiertag Well # 2-26
 Sec. 26 Twp. 31S Rge. 32 East West
 County Seward

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 No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)
 List All E.Logs Run: Previously Submitted 10/24/89

Name	Top	Datum
Basal Atoka Porosity	5426'	
Morrow	5442'	
Morrow "C" SS	5506'	
Basal Morrow SS	5554'	
Chester	5573'	

5/14/92: RIH w/gauge ring & jk bskt to 5500'. Set CIBP on WL @ 5475'.

Operations Turned Over To: First National Oil, Inc., 2340 Tampa Ave., Suite H, El Cajon, Ca.

CASING RECORD New Used 92020 5/14/92
 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"	24	1722'	Lite Wt	500	3% CaCl2
					Cl "H"	175	2% CaCl2
Production	7-7/8"	4-1/2"	10.5	5699'	Cl "H"	225	3% KCl

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> 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
4	5549-5562'	1000 qals 15% HCl Fe
2	5506-5522'	
		89,000 Gals CO2 Foam &
		180,611# 20/40 Mesh Sd

TUBING RECORD Size 2-3/8" Set At 4.7# Packer At J-55 - 5475' Tbg
 Liner Run Yes No

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: Vented Sold Used on Lease (If vented, submit ACO-18.)
 METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Cemented Other (Specify) _____

