

6370

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SIDE ONE

RELEASED

*gnd*

SEP 09 1992

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 Street  
Suite #1800

City/State/Zip Denver, CO 80293

Purchaser: \_\_\_\_\_

Operator Contact Person: J. C. SIMMONS

Phone (303) 293-9999

Contractor: Name: Cheyenne Drllg #4

License: 5382

Wellsite Geologist: Edwin H. Grieves

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SLD  Temp. Abd.

Gas  Inj  Delayed Comp.

Dry  Other (Core, Water Supply, etc.)

If OASD: old well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:

Mud Rotary  Air Rotary  Cable

7/25/91 8/4/91 D&A 8/5/91

Spud Date Date Reached TD Completion Date

API NO. 15- 189-21,509 FROM CONFIDENTIAL

County Stevens

NW SE SE Sec. 23 Twp. 31S Rge. 36  East West

990 Ft. North from Southeast Corner of Section

990 Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

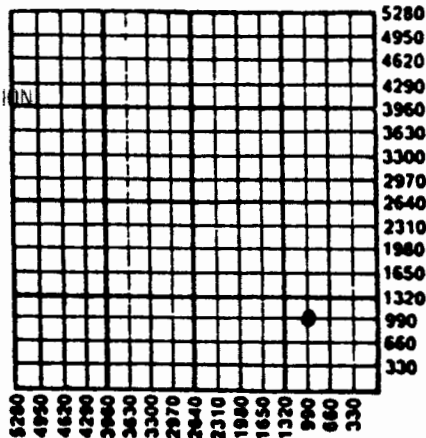
Lease Name Grandstaff Well # 1-23

Field Name Wildcat

Producing Formation \_\_\_\_\_

Elevation: Ground 3052 KB 3063

Total Depth 6300 P8TD \_\_\_\_\_



*A12 D&A*

Amount of Surface Pipe Set and Cemented at 1796 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 wt.

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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-111 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 Conni Smith

Title Sr. Engineering Technician Date 8/19/91

Subscribed and sworn to before me this 19<sup>th</sup> day of August 19 91.

Notary Public Pamela F. Campbell

Date Commission Expires 9/30/94

K.C.C. OFFICE USE ONLY

F  Letter of Confidentiality Attached

C  Wireline Log Received

C  Drillers Timelog Received

Distribution

KCC  SLD/Rep  NGPA

KGS  Plug  Other *F.S.*

(Specify)

SIDE TWO

Operator Name Ensign Operating Co. Lease Name Grandstaff Well # 1-23

Sec. 23 Twp. 31S Rge. 36  East  West County Stevens

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.)

See attached

Formation Description

Log  Sample

Name Top Bottom

See attached

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	24	1796	HLC C1 "C"	650	2% CaCl <sub>2</sub> + #/sk
						150	Floccle 2% CaCl <sub>2</sub>

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

TUBING RECORD Size Set At Packer At Liner Run  Yes  No

Date of First Production D&A 8/5/91 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  Perforation  Dually Completed  Commingled  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_

# TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

22 RELEASED 36W

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SEP 09 1992

APZ #15-187-21509

## Drill-Stem Test Data

FROM CONFIDENTIAL

Well Name GRAND STAFF 123 Test No. 1 Date 8-2-91  
 Company ENSGN OPERATING COMPANY Zone Tested LOWER MORROW  
 Address 17TH STREET #1800 DENVER COLO Elevation 3063 KB  
 Co. Rep./Geo. ED GRIEVES Cont. CHEYENNE #4 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 23 Twp. 31S Rge. 36W Co. STEVENS State KS

Interval Tested 5805-5870 Drill Pipe Size 4.5 XH  
 Anchor Length 65 Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
 Top Packer Depth 5800 Drill Collar - 2.25 Ft. Run 481  
 Bottom Packer Depth 5805  
 Tail Depth 5870

Mud Wt. 9.0 lb / gal. Viscosity 65 Filtrate 6.0

Tool Open @ 3:38 PM Initial Blow GOOD BLOW OFF BOTTOM IN 1 MINUTE 30 SECONDS  
NO GAS TO SURFACE

Final Blow GOOD BLOW OFF BOTTOM IN 30 SECONDS  
NO GAS

Recovery - Total Feet 110 Flush Tool? NO

Rec. 4644 Feet of GAS IN PIPE

Rec. 20 Feet of OIL SPECKED MUD

Rec. 90 Feet of MUD

Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 HT 134 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

W \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 2200 ppm System

(A) Initial Hydrostatic Mud 2968 PSI Ak1 Recorder No. 13308 Range 4700

(B) First Initial Flow Pressure 43.9 PSI @ (depth) 5807 w/Clock No. 27573

(C) First Final Flow Pressure 48.8 PSI AK1 Recorder No. 2023 Range 4000

(D) Initial Shut-In Pressure 1488.3 PSI @ (depth) 5865 w/Clock No. 14380

(E) Second Initial Flow Pressure 58.4 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

(F) Second Final Flow Pressure 60.8 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_

(G) Final Shut-In Pressure 1874.2 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 2720.9 PSI Initial Shut-In 60 Final Shut-In 120

Our Representative MARK HERSKOWITZ TOTAL PRICE \$ 1100

RECEIVED  
 STATE CORPORATION COMMISSION  
 AUG 22 1991  
 CORPORATION DIVISION  
 Wichita, Kansas