

RELEASED

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KCC

JUN 2 5

SIDE ONE

JUN 0 1 1992

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

API NO. 15- 189-21,502-60-00

CONFIDENTIAL

Operator: License # 04782

Name: Ensign Operating Co.

Address 621 17th St., #1800

City/State/Zip Denver, CO 80293

Purchaser:

Operator Contact Person: J. C. Simmons

Phone (303) 293-9999

Contractor: Name: Cheyenne Drilling Rig #4

License: 5382

Wellsite Geologist: Edwin H. Grieves

Designate Type of Completion  
 New Well  Re-Entry  Workover

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

If OWM: old well info as follows:  
Operator:

Well Name:

Comp. Date Old Total Depth

Drilling Method:  
 Mud Rotary  Air Rotary  Cable

5/31/91 6/14/91 D & A  
Spud Date Date Reached TD Completion Date

County Stevens

NE NE SW Sec. 10 Twp. 34S Rge. 36 East West

2310 Ft. North from Southeast Corner of Section

2970 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

Lease Name Wheeler Well # 1-10

Field Name Walkemeyer SE

Producing Formation Dry

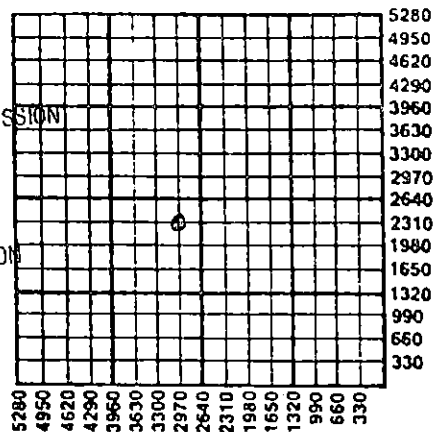
Elevation: Ground 3059 KB 3070

Total Depth 6725 PBTD

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JUN 26 1991

CONSERVATION DIVISION  
Wichita, Kansas



AIT-DPA

Amount of Surface Pipe Set and Cemented at 1754 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 amt.

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 4 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 6/24/91

Subscribed and sworn to before me this 24th day of June 1991

Notary Public Pamela J. Campbell

Date Commission Expires 9/30/94

K.C.C. OFFICE USE ONLY		
F	<input checked="" type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Drillers Timelog Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug
<input type="checkbox"/>		<input type="checkbox"/> NGPA
<input type="checkbox"/>		<input type="checkbox"/> Other
(Specify)		

JAN 1960

SIDE TWO

Operator Name Ensign Operating Co. Lease Name Wheeler Well # 1-10

Sec. 10 Twp. 34S 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	1754	Lite	550	2%CaCl <sub>2</sub> & 1/2#/sk celloseal
				Tailed 7N	Class "C"	150	2% CaCl <sub>2</sub>

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

TUBING RECORD	Size	Set At	Packer At	Liner Run
				<input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First Production D & A 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

2/10

JUL 0 1 1991

FROM CONFIDENTIAL

# GEOLOGIST'S REPORT ORIGINAL

## DRILLING TIME & SAMPLE LOG

COMPANY Ensign Operating Co.  
 LEASE Wheeler NO. 1-10  
 LOCATION NENE SW  
 SEC. 10 TWP. 34S RNG. 36W  
 COUNTY Stevens, STATE Kansas  
 FIELD Walkemeyer SE

ELEVATIONS  
 KB 3070'  
 DF 3067'  
 GL 3059'

MEASUREMENTS ARE ALL FROM KB

CONTRACTOR Cheyenne Drilg. Co Rig #4  
 COMM. 6-1-91 COMP. 6-15-91  
 RTD 6725' LTD 6720'  
 No. of DST'S Two No. of CORES None

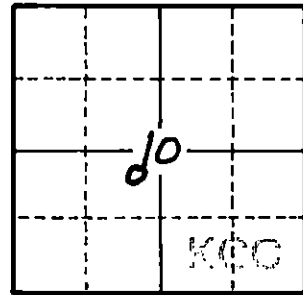
CASING RECORD  
8 5/8" at 1754' w/ 800 SX.  
 \_\_\_\_\_ at \_\_\_\_\_ w/ \_\_\_\_\_ SX.  
 \_\_\_\_\_ at \_\_\_\_\_ w/ \_\_\_\_\_ SX.  
 \_\_\_\_\_ at \_\_\_\_\_ w/ \_\_\_\_\_ SX.

EL. LOG DIL w/SP+GR  
Neut-LTD w/PE+GR  
Microlog w/GR

SAMPLES SAVED FROM 1754' TO TD  
 DRILLING TIME KEPT FROM 1754' TO TD  
 SAMPLES EXAMINED FROM 1754' TO TD  
 GEOLOGICAL SUPERVISION FROM 1754' TO TD  
 GEOLOGIST ON WELL Edwin H. Grieves

### FORMATION TOPS

	SAMPLE	LOG	SUBSEA
<u>Heebner</u>	<u>4268</u>	<u>4256</u>	<u>-1186</u>
<u>Toronto</u>	<u>4294</u>	<u>4287</u>	<u>-1217</u>
<u>Lausing/KC</u>	<u>4338</u>	<u>4318</u>	<u>-1248</u>
<u>Marmaton</u>	<u>5132</u>	<u>5126</u>	<u>-2056</u>
<u>Cherokee</u>	<u>5358</u>	<u>5372</u>	<u>-2302</u>
<u>Atoka</u>	<u>5427</u>	<u>5424</u>	<u>-2354</u>
<u>Morrow Fm.</u>	<u>5854</u>	<u>5850</u>	<u>-2780</u>
<u>Upper Mor. Sdst.</u>	<u>5905</u>	<u>5900</u>	<u>-2830</u>
<u>Lower Mor. Sd. Zn.</u>	<u>6181</u>	<u>6178</u>	<u>-3108</u>
<u>Chester</u>	<u>6285</u>	<u>6282</u>	<u>-3212</u>
<u>St. Genevieve</u>	<u>6481</u>	<u>6467</u>	<u>-3397</u>
<u>St. Louis</u>	<u>6546</u>	<u>6536</u>	<u>-3466</u>
<u>TD</u>	<u>6725</u>	<u>6720</u>	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____



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CONFIDENTIAL  
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 STATE CORPORATION COMMISSION

JUN 26 1991

CONSERVATION DIVISION  
 Wichita, Kansas

# TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

## ORIGINAL

JUL 0 1 1992

JUN 2 4

### FROM CONFIDENTIAL... Drill-Stem Test Data FROM CONFIDENTIAL

Well Name WHEELER #1-10 Test No. 1 Date \_\_\_\_\_  
 Company ENSIGN OPERATING COMPANY Zone Tested MORROW  
 Address 621 17th #1800 DENVER CO 80293 Elevation [ KB  
 Co. Rep./Geo. MR ED GRIEVES Cont. CHEYENNE #4 Est. Ft. of Pay 20  
 Location: Sec. 32 Twp. 34S Rge. 36W Co. STEVENS State KS

Interval Tested 5850-6020 Drill Pipe Size 4.5 XH  
 Anchor Length 170 Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
 Top Packer Depth 5845 Drill Collar - 2.25 Ft. Run 371  
 Bottom Packer Depth 5850  
 Total Depth 6020

Mud Wt. 9 lb / gal. Viscosity 45 Filtrate 8.8

Tool Open @ 2:01 AM Initial Blow SURFACE BLOW SLOWLY BUILT TO BOTTOM IN 8 MINUTES  
ISI: BLED OFF BLOW-NO RETURN  
 Final Blow GOOD RETURN BUILT TO BOTTOM IN 4 MINUTES  
FSI: BLED OFF BLOW-NO RETURN

Recovery - Total Feet 200 Flush Tool? NO

Rec. 200 Feet of DRILLING MUD

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

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

CONSERVATION DIVISION  
Wichita, Kansas

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

Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 BHT 133 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

RW 2.57 @ 80 °F Chlorides 1800 ppm Recovery Chlorides 1000 ppm System

(A) Initial Hydrostatic Mud 2836.5 PSI Ak1 Recorder No. 13309 Range 4700

(B) First Initial Flow Pressure 118.9 PSI @ (depth) 5853 w/Clock No. 27566

(C) First Final Flow Pressure 171.2 PSI AK1 Recorder No. 13339 Range 4025

(D) Initial Shut-In Pressure 590.2 PSI @ (depth) 6015 w/Clock No. 30418

(E) Second Initial Flow Pressure 191.2 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

(F) Second Final Flow Pressure 201.3 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_

(G) Final Shut-In Pressure 822.4 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 2822.4 PSI Initial Shut-In 60 Final Shut-In 120

Our Representative MR ROD STEINBRINK TOTAL PRICE \$ 1200

# TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

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JUN 2 4

## Drill-Stem Test Data

JUL 0 1 1992

Well Name WHEELER #1-10 Test No. 2 Date 6/11/91  
 Company ENSIGN OPERATING COMPANY Zone Tested FLYER-MORROW  
 Address 621 17th ST #1800 DENVER CO 80293 Elevation 3070 KB  
 Co. Rep./Geo. MR ED GRIEVES Cont. CHEYENNE #4 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 10 Twp. 34S Rge. 36W Co. STEVENS State KS

Interval Tested 6195-6290 Drill Pipe Size 4.5 XH  
 Anchor Length 95 Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
 Top Packer Depth 6190 Drill Collar - 2.25 Ft. Run 485  
 Bottom Packer Depth 6195  
 Total Depth 6290

Mud Wt. 9 lb / gal. Viscosity 45 Filtrate 8

Tool Open @ 2:00 PM Initial Blow WEAK SURFACE BLOW-FLUSHED TOOL-GOOD SURGE  
BLOW DIED IN 5 MINUTES

Final Blow WEAK SURFACE BLOW GRADUALLY BUILT TO BOTTOM IN 12  
MINUTES

Recovery - Total Feet 60 Flush Tool? YES-1st OPEN

Rec. 60 Feet of DRILLING MUD

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

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

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

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

BHT 137 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

RW 2.57 @ 80 °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 1100 ppm System

(A) Initial Hydrostatic Mud 3078 PSI AK1 Recorder No. 13309 Range 4700

(B) First Initial Flow Pressure \_\_\_\_\_ PSI @ (depth) 6197 w/Clock No. 27566

(C) First Final Flow Pressure \_\_\_\_\_ PSI AK1 Recorder No. 13339 Range 4025

(D) Initial Shut-In Pressure \_\_\_\_\_ PSI @ (depth) 6285 w/Clock No. 30418

(E) Second Initial Flow Pressure 72 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

(F) Second Final Flow Pressure 83 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_

(G) Final Shut-In Pressure 819 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 3018 PSI Initial Shut-In 60 Final Shut-In 120

Our Representative MR ROD STEINBRINK TOTAL PRICE \$ 850

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Wichita, Kansas

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P.O. BOX 951046  
DALLAS, TX 75395-1046

INVOICE

JUL 0 1 1991 HALLIBURTON SERVICES

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JUN 24 1991

FROM CONFIDENTIAL

A Halliburton Company

INVOICE NO. 142053  
DATE 06/15/1991

WELL LEASE NO./PLANT NAME WHEELER 1-10		WELL/PLANT LOCATION STEVENS		STATE KS	WELL/PLANT OWNER & GAS INC SAME
SERVICE LOCATION LIBERAL	CONTRACTOR N	JOB PURPOSE PLUG TO ABANDON		TICKET DATE 06/15/1991	
ACCT. NO. 273943	CUSTOMER AGENT B. J. MCGRIFF	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA COMPANY TRUCK	FILE NO. 17153

ENSIGN OPERATING COMPANY  
1515 AIR PARK AVENUE  
P.O. BOX 2161  
LIBERAL, KS 67905-2161

JUN 2 1991

DIRECT CORRESPONDENCE TO:  
FIRST OKLAHOMA TOWER  
210 WEST PARK AVENUE  
SUITE 2050  
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
<b>PRICING AREA - MID CONTINENT</b>					
000-117	MILEAGE	13	MI	2.60	33.80 *
		1	UNT		
009-019	PLUGGING BK SPOT CEMENT OR MUD	3100	FT	1,160.00	1,160.00 *
		1	UNT		
504-043	PREMIUM CEMENT	141	SK	6.85	965.85 *
506-105	POZMIX A	94	SK	3.91	367.54 *
506-121	HALLIBURTON-GEL 2%	4	SK	.00	N/C *
507-277	HALLIBURTON-GEL BENTONITE	8	SK	14.75	118.00 *
500-207	BULK SERVICE CHARGE	251	CFT	1.15	288.65 *
500-306	MILEAGE CMTG MAT DEL OR RETURN	139.2495	TMI	.80	111.40 *
<b>INVOICE SUBTOTAL</b>					<b>3,045.24</b>
<b>DISCOUNT-(BID)</b>					<b>609.04-</b>
<b>INVOICE BID AMOUNT</b>					<b>2,436.20</b>
<b>*-KANSAS STATE SALES TAX</b>					<b>103.54</b>
<b>*-SEWARD COUNTY SALES TAX</b>					<b>24.36</b>
<b>INVOICE TOTAL - PLEASE PAY THIS AMOUNT</b>					<b>\$2,564.10</b>

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JUN 26 1991  
CONSERVATION DIVISION  
Wichita, Kansas

*Wheeler 1-10  
Revised*

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED, CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF SAID ACCOUNT.