

ORIGINAL

SIDE ONE

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

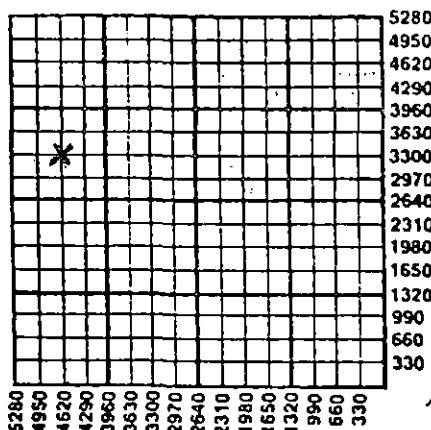
Operator: License # 04782
Name: Ensign Operating Co.
Address 621 17th Street
Suite 1800
City/State/Zip Denver, Colorado 80293
Purchaser: N/A
Operator Contact Person: Jerry Simmons
Phone (303) 293-9999
Contractor: Name: H-30 Drilling Inc.
License: 5107
Wellsite Geologist: Duane E. Moredock

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

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

Drilling Method:
 Mud Rotary Air Rotary Cable
10/21/89 10/31/89 12/1/89
Spud Date Date Reached TD Completion Date

API NO. 15- 119-20,796 - 00-00
County Meade
C SW NW Sec. 35 Twp. 33 Rge. 28 East West
3300' Ft. North from Southeast Corner of Section
4620' Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)
Lease Name Wiens Well # 1-23 35
Field Name Unknown
Producing Formation Council Grove
Elevation: Ground 2480' KB 2491'
Total Depth 6093' PBSD 3321'



Amount of Surface Pipe Set and Cemented at 1541' 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-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 Connie Smith
Title Senior Engineering Technician Date 10/19/90
Subscribed and sworn to before me this 19 day of October
19 90
Notary Public Develope J. Stress
Date Commission Expires October 21, 1991

STATE CORPORATION COMMISSION
10-25-90
K.C.C. OFFICE USE ONLY
Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Timelog Received
CONSERVATION DIVISION
Wichita, Kansas
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

SIDE TWO

Operator Name Ensign Operating Co. Lease Name Wiens Well # 1-23
 Sec. 35 Twp. 33 Rge. 28 East West
 County Meade

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 DST Report

Formation Description
 Log Sample
 Name Top Bottom
See Attached
 * Surface: 175 sx Cl "A" w/2% CaCl2
 ** Production: 10 bbls 2% KCl wtr, 18 bbls Superflush + 10 bbls 2% KCl

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	1541'	Lite	575	2% CaCl2 + 1/4#/sx Celoflake *above
Production	7-7/8"	4-1/2"	10.5	3363'	**above Cl "H"	225	25% CBL, .7% Halad
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth			
Shots Per Foot	Specify Footage of Each Interval Perforated						
4 JSPF	3119-26'; 3147-50'			N/A			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size		Set At		Packer At			
2-3/8"		3078'					
Date of First Production	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)						
1/12/90							
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity		
	0	12	34	N/A	===		

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: Council Grove

ORIGINAL

GENERAL WELL INFORMATION

Operator: Ensign Operating Co.
Well Name: No. 1-35 Wiens API No. 15-119-20796
Location: SW NW Sec. 35, T33S, R28W, 4620' FEL, 3300' FSL
County: Meade
State: Kansas
Field: Wildcat
Elevation: G.L. 2480' K.B. 2491'
Date Spudded: October 21, 1989 @ 3:45 P.M.
Date Drilling Completed: October 31, 1989 @ 2:00 A.M.
Total Depth: Driller 6093' Logger 6084'
Status: Ran Production Casing 4 1/2" @ 3363'
Drill Stem Tests: DST No. 1 3109'- 3151' Council Grove Misrun
DST No. 2 3107' - 3151' Council Grove
30-60-30-120
I.O. Strong blow, GTS 2 Min, 1539 MCF/D in 30 Min
F.O. Gauged 1980 MCF/D in 30 Min..
Recovery: 545' Gassy Muddy Salt Water.
Gauges: Initial Open
2 Min Gas to Surface
10 Min 1104 MCF/D
20 Min 1539 MCF/D
30 Min 1539 MCF/D
Second Open
40 Min 1690 MCF/D
50 Min 2056 MCF/D
60 Min 1980 MCF/D
H.P. 1451-1351 psi
F.P. 292-439:472-461 psi
S.I.P. 895-895 psi
B.H.T. NR

RECEIVED
STATE CORPORATION COMMISSION

OCT 25 1989

CONSERVATION DIVISION
Wichita, Kansas

Trilobite Testing Company - Tom Horacek, Testor.

ORIGINAL

Drill Stem Tests:

DST No. 3 5896' - 5944' Fincham Tidal Bar
Straddle Test After Logging
Log Depths 5888' - 5936'
30-60-30-120

I.O. Weak blow building to 10" in 30 Min.
F.O. Good blow, bottom of bucket.

Recovery: 60' Drilling Mud.

H.P. 2916-2983 psi
F.P. 86-86:107-1071 psi
S.I.P. 268-484 psi
B.H.T. 135° F

Western Testing Company - Rod Tritt, Testor

RECEIVED
STATE OF KANSAS COMMISSION

OCT 25 1993

CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

FORMATION TOPS

	G.L. 2480' K.B. 2491'	Comparison Well SW NW 27-33S-28W K.B. 2492' Surface +2481'	Drill Time and Samples Surface +2480'	Wire Line Geophysical Logs Surface +2480'
Tertiary				
Permian				
Guadalupian				
Taloga	NL			184' +2307'
Day Creek	NL		304' +2187'	306' +2185'
Whitehorse	NL			342' +2149'
Leonardian				
Nippewalla Gr.				
Blaine	NL		497' +1994'	500' +1991'
Cedar Hill	NL		574' +1917'	586' +1905'
Salt Plain	NL			880' +1611'
Sumner Gr.				
Stone Corral	NL		1409' +1082'	1404' +1087'
Ninnescah	NL		1474' +1017'	1472' +1019'
Wellington	1878' +614'		1884' +607'	1884' +607'
Hutchinson	2040' +451'		2054' +437'	2058' +433'
Wolfcampian				
Chase Gr.				
Herington	2672' -180'		2698' -207'	2694' -203'
Krider	2702' -210'		2732' -241'	2730' -239'
Winfield	2745' -253'		2776' -285'	2777' -286'
Towanda	2815' -323'		2831' -340'	2839' -348'
Wreford	2984' -492'		3017' -526'	3010' -519'
Council Grove Gr.	3098' -606'		3123' -632'	3118' -627'
Admire Gr.				
Pennsylvanian				
Virgilian				
Wabaunsee Gr.	3618' -1126'		3650' -1158'	3642' -1151'
Shawnee Gr.	3810' -1318'		3836' -1345'	3838' -1347'
Douglas Gr.				
Heebner	4448' -1956'		4480' -1989'	4574' -1983'
Toronto	4476' -1984'		4499' -2008'	4494' -2003'
Missourian				
Lansing Gr.	4564' -2072'		4594' -2103'	4584' -2093'
Desmoinesian				
Marmaton Gr.	5243' -2751'		5286' -2795'	5280' -2789'
Cherokee Gr.	5426' -2934'		5477' -2986'	5468' -2977'
Atokian	5558' -3066'		5612' -3121'	5600' -3109'
Morrowian	5744' -3252'		5798' -3307'	5794' -3303'
Sandstone	5774' -3282'		5818' -3327'	5808' -3317'
Fincham Tidal Bar	5838' -3346'		5899' -3408'	5866' -3375'
Shale Marker	5946' -3454'		6004' -3513'	5994' -3503'
Total Depth	6024' -3532'		6093' -3602'	6084' -3593'

OCT 25 1929

HALLIBURTON SERVICES ORIGINAL

A Halliburton Company

NOV 20 1989
 P.O. BOX 951046
 DALLAS, TX 75395-1046

INVOICE NO.	DATE
844347	11/01/1989

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
WIENS 1-35		MEADE		KS	SAME	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE
LIBERAL		H-30 DRLG #11		CEMENT PRODUCTION CASING		11/01/1989
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.	
273943	REED WACKER			COMPANY TRUCK	85540	

ENSIGN OPERATING COMPANY
 P O BOX 937
 GARDEN CITY, KS 67846

DIRECT CORRESPONDENCE TO:
 SUITE 600
 COLORADO DERBY BUILDING
 WICHITA, KS 67202-0000

RECEIVED

NOV 20 1989

PRICE REF. NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE	37	MI	2.20	81.40
		1	UNT		
001-016	CEMENTING CASING	3364	FT	979.00	979.00
		1	UNT		
80	FORM PKR SHOE FLAP VLV 4 1/2"	1	EA	2,300.00	2,300.00
855.128					
50	FLUIDMASTER CENTRALIZER 4 1/2"	5	EA	42.00	210.00
807.93504					
66	FASGRIP LIMIT CLAMP 4 1/2"	1	EA	9.60	9.60
807.64021					
82	FILL-UP UNIT	1	EA	45.00	45.00
855.02545					
018-317	SUPER FLUSH	MN 18	SK	72.00	1,296.00
314-163	CLAYFIX II	2	GAL	17.00	34.00
504-043	PREMIUM CEMENT	225	SK	6.85	1,541.25
507-775	HALAD-322	148	LB	5.50	814.00
500-959	SUPER CBL	53	LB	20.75	1,099.75
508-002	POTASSIUM CHLORIDE	250	LB	.22	55.00
500-207	BULK SERVICE CHARGE	225	CFT	.95	213.75
500-306	MILEAGE CMTG MAT DEL OR RETURN	745.269	TMI	.70	521.69
INVOICE SUBTOTAL					9,200.44
DISCOUNT - (BID)					1,380.05-
INVOICE BID AMOUNT					7,820.39
*- KANSAS STATE SALES TAX					246.04
*- SEWARD COUNTY SALES TAX					57.89
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$8,124.32

ACCOUNTING

LTH
 12/1/89
 7070

STATE
 RECEIVED
 NOV 20 1989
 CREDIT ADV. DIVISION
 Wichita, Kansas
[Signature]

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 THE UNPAID ACCOUNT.