

3473-17W
COPY

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

APT NO. 15- 033-20,894
County Comanche
SW SW NE Sec. 34 Twp. 33 Rge. 17 E

CONFIDENTIAL

Operator: License # 04782
Name: Ensign Operating Co.
Address: P.O. Box 2161
City/State/Zip: Liberal, KS 67905
Purchaser: N/A
Operator Contact Person: Reed Wacker
Phone (316) 626-8131
Drill Contractor: Duke Drilling Co., Inc.
License: 5929
Wellsite Geologist: Duane Moredock

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD 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/SWD _____
Plug Back _____ PSTD _____
Commingled _____ Docket No. _____
Dual Completion _____ Docket No. _____
Other (SWD or Inj?) _____ Docket No. _____
d Date 09-06-94 Date Reached TD 09-25-94 Completion Date 09-25-94

2310 Feet from SW (circle one) Line of Section
2310 Feet from EW (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
 SE, NW or SW (circle one)
Lease Name Carlisle Well # 1-34
Field Name Wildcat
Producing Formation P & A
Elevation: Ground 1817' KB 1824'
Total Depth 6024 PSTD _____
Amount of Surface Pipe Set and Cemented at 820 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 cat.

Drilling Fluid Management Plan D&A JH 6-7-95
(Data must be collected from the Reserve Pit)
Chloride content 1000 ppm Fluid volume 2400 bbls
Dewatering method used Evaporation
Location of fluid disposal if hauled offsite:
Operator RELEASED KCC
Lease Name OCT 13 License No. _____
Quarter 1 1996 Sec. _____ E/W
County _____ Docket No. _____
FROM CONFIDENTIAL

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 60 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: [Signature]
Title: Prod. Supt. Date: 10/13/94
Subscribed and sworn to before me this 13th day of October 1994.
Notary Public: William L. Waldorf
Date Commission Expires: Sept. 19, 1998

E.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
KCC _____ SWD/Rep _____ NEPA _____
KGS _____ Plug _____ Other _____
RECEIVED
STATE CORPORATION COMMISSION

NOTARY PUBLIC - State of Kansas
WILLIAM L. WALDORF
My Appt. Exp. Sept. 19, 1998

Form ACG-1 OCT 1 1994

CONSERVATION DIVISION
WICHITA, KANSAS

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 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: **DUAL INDUCTION
 COMPENSATED NEUTRON
 MICRO-RESISTIVITY**
 - SEE ATTACHED -

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
- SEE ATTACHED -		

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#	820'	Lite Class A	250 150	1/2# SX Floccel 2% CC

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

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. D&A Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil <u>N/A</u> Bbls.	Gas <u>N/A</u> Mcf	Water <u>N/A</u> Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas: Vented Sold Used on Lease (if vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify) P & A

Production Interval _____

34-33-17W
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FORMATION TOPS

JAN 11 1996

Ensign Operating Co.
No. 1-34 Carlisle
SW SW NE Sec. 34, T33S, R17W
Comanche County, Kansas

COPY

FROM CONFIDENTIAL

API #15-033-20894

	G.L. 1817' K.B. 1824'	Comparison Well NW NE 3-33S-17W K.B. 1828'	Drill Time And Samples	Wire Line Logs
Tertiary	Surface +1816'	Surface +1816'	Surface +1816'	
Permian				
Glaudalupian				
White Horse	NL	___' + ___'	___' + ___'	___' + ___'
Leonardian				
Nipewalla Gr.				
Blaine	NL	___' + ___'	___' + ___'	___' + ___'
Cedar Hills	NL	___' + ___'	___' + ___'	___' + ___'
Sumner Gr.				
Stone Corral	825' +1003'	___' + ___'	___' + ___'	830' +994'
Salt	870' +958'	___' + ___'	___' + ___'	875' +949'
Ninnescah	1070' +758'	___' + ___'	___' + ___'	1084' +740'
Wellington	1500' +328'	___' + ___'	___' + ___'	1498' +326'
Hutchinson	1640' +188'	___' + ___'	___' + ___'	1638' +186'
Wolfcampian				
Chase Gr.				
Herington	2356' -528' (9)	2361' -537'	2350' -526'	
Kridler	2368' -540' (5)	2369' -545'	2363' -539'	
Winfield	2433' -605' (6)	2435' -611'	2419' -595'	
Gage Shale	2482' -654' (12)	2490' -666'	2475' -651'	
Towanda	2500' -672' (15)	2511' -687'	2494' -670'	
Fort Riley	2552' -724' (13)	2561' -737'	2554' -730'	
Wreford	2701' -873' (13)	2710' -886'	2705' -881'	
Council Grove Gr.	2740' -912' (14)	2750' -926'	2744' -920'	
Cottonwood	2894' -1066' (14)	2904' -1080'	2888' -1004'	
Foraker	3000' -1172' (13)	3009' -1185'	3004' -1180'	
Admire	3070' -1242' (6)	3082' -1248'	3066' -1242'	
Onaga	3199' -1371' (15)	3210' -1386'	3204' -1380'	
Pennsylvanian				
Virgilian				
Wabaunsee Gr.	3246' -1418' (11)	___' - ___'	3246' -1422'	
Root Shale	3330' -1502' (9)	3335' -1511'	3334' -1510'	
Stotler	3388' -1560' (12)	3396' -1572'	3390' -1566'	
Emporia	3506' -1678' (20)	3522' -1698'	3520' -1696'	

NCC

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CONSERVATION DIVISION
WICHITA, KANSAS

471-88-418
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ORIGINAL

G.L. 1817'
K.B. 1824'

Comparison Well
NW NE 3-33S-17W
K.B. 1828'

Drill Time
And Samples

Wire Line
Logs

API # IS-033-20894

Shawnee Gr.

Topeka	3714' -1886'	(3)	3713'	-1889'	60013 #10-112	3705'	-1881'
Lecompton	3895' -2067'	(5)	3896'	-2072'		3886'	-2062'
Queen Hill	3896' -2158'	(3)	3985'	-2161'		3978'	-2154'
Oread	4149' -2321'	(15)	4160'	-2336'		4150'	-2326'

Douglas Gr.

Heebner	4179' -2351'	(18)	4193'	-2361'	-2361	4186'	-2362'
Toronto	4188' -2360'	(16)	4200'	-2376'		4200'	-2376'
Douglas Shale	4239' -2411'	(16)	4251'	-2427'	-2418	4254'	-2430'

Missourian

Lansing Gr.	4379' -2551'	(11)	4374'	-2560'	-2556	4378'	-2554'
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Kansas City Gr.

Bonner Spgs							
Cherryvale	4726' -2898'	(12)	4724'	-2910'		4724'	-2900'
Dennis	4729' -2901'	(11)	4726'	-2912'		4728'	-2904'
Stark	4786' -2958'	(11)	4772'	-2969'		4786'	-3052'
Swope	4793' -2965'	(7)	4792'	-2972'		4792'	-2968'
Hushpuckney	4822' -2994'	(12)	4820'	-3006'		4824'	-3000'
Hertha	4824' -2996'	(14)	4834'	-3010'		4827'	-3003'

Demoinesian

Marmaton Gr.	4938' -3110'	(9)	4943'	-3119'	-3119'	4938'	-3114'
Bandera	4970' -3142'	(12)	4974'	-3150'		4969'	-3143'
Pawnee	4976' -3148'	(5)	4977'	-3153'		4971'	-3147'
Labette	5001' -3173'	(10)	5007'	-3183'		5001'	-3177'
Fort Scott	5004' -3176'	(9)	5009'	-3185'		5004'	-3180'
Cherokee Gr.	5014' -3186'	(12)	5022'	-3198'	-3196	5014'	-3190'

Mississippian

Meramecian

Spergen	5080' -3252'	(12)	5088'	-3264'	-3262	5080'	-3256'
Warsaw	5136' -3308'	(18)	514'	-3320'	-3318'	5148'	-3324'

Osageian 5256-3428

Kinderhookian	5200' -3372'	(13)	5265'	-3441'	-3416'	5290'	-3466'
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Ordovician

Choteu	5579' -3751'	(11)	5602'	-3822'	3748(14) 15634	5603'	-3810'
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Champlainian

Viola	5600' -3772'	(11)	5667'	-3843'	3776 (13) 5666'	5666'	-3842'
Simpson Dolo	5782' -3954'	(15)	5823'	-4027'	3944 (13)	5836'	-4012'
Simpson Sh	5858' -4030'					5900'	-4076'

Canadian

Arkadele

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CONSERVATION DIVISION
WICHITA, KANSAS

34-33-176 ORIGINAL

Arbuckle

5918' -4091' 55) 5970' - 4146' 408 5972 - 4148'

Total Depth

5974' -4146' 6020' - ___' 6022 - 4198'

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