

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

CONFIDENTIAL

ORIGINAL

Operator: License # 04782
Name: Ensign Operating Co.
Address: P.O. Box 2161
City/State/Zip Liberal, Kansas 67905
Purchaser: _____
Operator Contact Person: Reed Wacker
Phone (316) 626-8131
Contractor: Name: Duke Drilling Co., Inc.
License: 5929

Wellsite Geologist: Duane Moredock
Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD SIDW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, MSV, 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 _____ PBD
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Inj?) _____ Docket No. _____
5/27/94 6/4/94 P & A
Spud Date Date Reached TD Completion Date

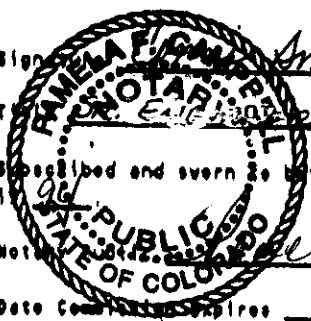
API NO. 15- 101-21672-0000
County Lane
C. SE . SE . SW Sec. 5 Twp. 19 Rge. 29
330' Feet from NW (circle one) Line of Section
2970' Feet from NW (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, NW or SW (circle one)
Lease Name Ehmke Well # 1-5
Field Name Wildcat
Producing Formation D & A
Elevation: Ground 2837' KB 2846'
Total Depth 4665' PBD GI
Amount of Surface Pipe Set and Cemented at 218' 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/ _____ ex cat.

Drilling Fluid Management Plan D&A JW 11-23-94
(Date must be collected from the Reserve Pit)
Chloride content 11,000 ppm Fluid volume 1000 bbls
Dewatering method used Evaporation
Location of fluid disposal if hauled offsite:
RELEASED
Operator Name _____
Lease Name AUG 1 8 1995 License No. _____
FROM CONFIDENTIAL
County _____ Docket No. _____

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: F. Smith
Title: OPERATING TECHNICIAN Date: 7/15/94
Subscribed and sworn to before me this 15th day of July
Notary: Ch Campbell
Date Commission Expires: 9-30-94



RECEIVED
7-18-94
K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Reviewed
 Geologist Report Reviewed
DISTRIBUTION
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

STATE CORPORATION COMMISSION

CONSERVATION DIVISION
Wichita, Kansas

Operator Name Ensign Operating Co. Lessee Name Ehmke Well # 1-5

Sec. 5 19S 29 East West
 County Lane

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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top, Depth and Datum)	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
List All E.Logs Run:				
See attached		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"	20	218'	Cl A/Poz A	160	2% Gel 3% 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 TO				
<input type="checkbox"/> Plug Off Zone				

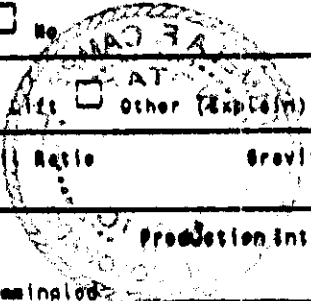
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth

TUBING RECORD	Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First, Resumed Production, BWD or Inj.	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> 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

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Cemented

Production Interval:



DAILY DRILLING REPORT
TIGHT HOLE STATUS

ORIGINAL

EHMKE #1-5

ENSIGN OPERATING CO.
330 FSL, 2143 FWL Sec. 5-T19S-R29W
Lane County, KS
4650' Mississippian Oil Well

CONFIDENTIAL

DHC: \$68,000/AFE: \$150,000
API#: 15-101-21672
PROSPECT: Paris
WI: 1.0

06/05/94 (con't)

Circ'd to spot 10 sx of cmt 7/40' back to GL; and
Circ'd 15 sx of cmt in rathole.

KCC

JUL 13

LOG TOPS

CONFIDENTIAL

<u>Formation</u>	<u>Depth</u>	<u>Elev.</u>	<u>To #1 Townsend "G"</u>	<u>To Prognosis</u>
Heebner	3924	-1079	- 1	- 7
Lansing	3938	-1121	+ 1	- 5
Muncie Creek	4148	-1303	- 5	-11
"I" Zone	4226	-1381	- 9	-16
Stark Sh	4253	-1408		-10
Hushpuckney Sh	4288	-1443	+ 3	- 4
Base KS City	4334	-1489		- 8
Fort Scott	4496	-1651	+ 1	- 8
Cherokee	4522	-1677		- 9
Johnson Zone	4559	-1714	- 2	- 7
Mississippian	4584	-1739	+ 2	- 6
TD	4664			

RELEASED

AUG 18 1994

FROM CONFIDENTIAL

Dril'g brk 4639-47': 2½-3/1-½ min/ft, Miss, dolomite, fin xln, some vis por, no show of oil.
Based on the analysis of samples, logs and lack of shows, the well was P&A'd.

Job compl @ 1:30 AM, 6/5/94. Plug'g supervisor Mr. Steve Durrant w/KCC @ Dodge City, KS. RR Cut off & capped surf csg 3' below GL. Reserve pit fluids: vol 1000 bbls; CL 11,000 ppm & CA 560 ppm.

DMC: \$ 40 CMC: \$ 3,040
DWC: \$11,485 CWC: \$47,375

FINAL REPORT - WELL PLUGGED & ABANDONED

RECEIVED
STATE CORPORATION COMMISSION
JUL 18 1994
CONSERVATION DIVISION
Wichita, Kansas

CONFIDENTIAL

Phone 913-483-2627, Russell, KS

Phone 913-625-5516, Hays, KS

Phone 316-886-5926, Medicine Lodge, KS

Phone 316-793-5861, Great Bend, KS

Phone 913-672-3471, Oakley, KS

Phone 913-798-3843, Ness City, KS

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

6178

ORIGINAL

New

Date	6-4-94	Sec.	5	Twp.	19	Range	29	Called Out	7:30 P.M.	On Location	10:30 P.M.	Job Start	11:15 P.M.	Finish	1:30 A.M.
Lease	Chmke	Well No.	1-5	Location	Dighton SW, 45, 1/2 N/S			County	Lane	State	KS				

Contractor	Duke Duly 4#	Owner	Same
Type Job	Rotary Plug	To Allied Cementing Co., Inc.	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Hole Size	7 3/8	T.D.	RELEASED
Csg.		Depth	AUG 1 8 1995
Tbg. Size		Depth	FROM CONFIDENTIAL
Drill Pipe	4 1/2	Depth	
Tool		Shoe Joint	
Cement Left in Csg.		Minimum	
Press Max.		Displace	
Meas Line			
Perf.			

Charge To Ensign Operating Co.
 Street 621-17th Suite 1800
 City Denver State Co. 80293
 The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. x Rich Wheeler

EQUIPMENT

No.	Cementer	<u>Mike</u>
umptrk 224	Helper	<u>Bill</u>
No.	Cementer	
umptrk	Helper	
	Driver	<u>Rek</u>
ulktrk 199	Driver	

CEMENT

Amount Ordered	<u>235 60/40 67 gal 1/4" Flo Seal</u>	
Consisting of		
Common	<u>141</u>	<u>5.75 810.75</u>
Poz. Mix	<u>94</u>	<u>3.00 282.00</u>
Gel.	<u>12</u>	<u>9.00 108.00</u>
Chloride		
Quickset		
<u>Flo Seal - 59"</u>	<u>1.10</u>	<u>64.90</u>
Handling	<u>235</u>	<u>1.00 235.00</u>
Mileage	<u>40</u>	<u>9.26 376.00</u>

DEPTH of Job

Reference:	<u>Pmp Job Chg</u>	<u>525.00</u>
<u>40</u>	<u>Mileage</u>	<u>90.00</u>
	<u>8 3/8" O.H.P.</u>	<u>21.00</u>
	<u>Dry Hole Plug</u>	
	Total	636.00

JUL 13, 1995
CONFIDENTIAL
 Floating Equipment Total 1876.65

Remarks: 50 SKa at 2160
80 SKa at 1350
40 SKa at 870
40 SKa at 240
10 SKa at 40
15 SKa Pat Cole

Total # 2512.65
 Disc - 502.53
 \$ 2010.12

