

RELEASED

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

MAY 21 1993

FROM CONFIDENTIAL 4782

CONFIDENTIAL

Name: Ensign Operating Co.
Address: 621 17th St.
Suite 1800
City/State/Zip: Denver, CO 80293

Purchaser: _____

Operator Contact Person: J. C. Simmons

Phone (303) 293-9999

Contractor: Name: Allen Drilling

License: 5418

Wellsite Geologist: Duane Moredock

Designate Type of Completion
 New Well Re-Entry Workover

Oil SUD 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/SUD
 Plug Back PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SUD or Inj?) Docket No. _____

4/20/92 4/26/92 D&A 4/28/92
Spud Date Date Reached TD Completion Date

API NO. 15- 083-21,381-0000

County HODGEMAN

NE NE NW Sec. 28 Twp. 21S Rge. 22 X E

4950 Feet from S (circle one) Line of Section

8970 Feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE NW or SW (circle one)

Lease Name Powers Well # 1-28

Field Name Wildcat

Producing Formation _____

Elevation: Ground 2265' KB 2277'

Total Depth 4600' PBTB _____

Amount of Surface Pipe Set and Cemented at 572 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 8-17-2 DPA
(Data must be collected from the Reserve Pit)

Chloride content 9000 ppm Fluid volume 2160 bbls

De-watering method used Evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

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 Connie Smith

Title Sr. Engineering Technician Date 5/21/92

Subscribed and sworn to before me this 21st day of May 19 92

Notary Public Janeta L. Campbell

Date Commission Expires 9.30-94

5-20-92

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"/> Geologist Report Received
Distribution	
<input checked="" type="checkbox"/> KCC	<input type="checkbox"/> SUD/Rep
<input type="checkbox"/> KGS	<input type="checkbox"/> Plug
	<input type="checkbox"/> Other
WICHITA, KANSAS	

SIDE TWO

Operator Name Ensign Operating Co.

Lease Name Powers

Well # 1-28

Sec. 28 Twp. 21S Rgs. 22

East
 West

County Hodgeman

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.)

List All E.Logs Run:

See attached

Log Formation (Top), Depth and Datum Sample
Name Top Datum

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	572'	60/40 Poz	300	2% Gel, 3% CaCl2

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 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 <input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. D & A 4/28/92 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:

METHOD OF COMPLETION

Production Interval

Vented Sold Used on Lease
(If vented, submit ACO-18.)

Open Hole Perf. Dually Comp. Commingled
 Other (Specify)

RELEASED ^{KCC}

ORIGINAL

MAY 21 1993

MAY 5 1993

FORMATION TOPS No. 1-28 POWERS

CONFIDENTIAL
FROM CONFIDENTIAL
K.B. 2277

	Comparison Well SE SE 20-21S-22W K.B. 2300'	Drill Time and Samples	Wire Line Geophysical Logs
Tertiary	Surface +2298'	Surface +2265'	Surface +2265'
Cretaceous			
Cenomanian			
Greenhorn-Graneros	NL	18 +2259'	18' +2259'
Albian			
Dakota Gr.	NL	142' +2135'	142' +2135'
Permian			
Guadalupian			
White Horse	623' + 1677'	620' +1697'	620' +1697'
Leonardian			
Nippewalla Gr.			
Blaine	802' +1498'	776' +1501'	763' +1514'
Cedar Hills	940' +1360'	903' +1374'	913' +1364'
Sumner Gr.			
Stone Corral	1477' +823'	1453' +824'	1450' +827'
Ninnescah	1510' +790'	1497' +780'	1498' +779'
Wellington	1690' +610'	1663' +614'	1665' +612'
Wolfcampian			
Chase Gr.			
Herington	2388' -88'	2381' -104'	2378' -101'
Krider	2412' -112'	2407' -130'	2406' -129'
Winfield	2460' -160'	2445' -168'	2442' -165'
Towanda	2531' -231'	2508' -231'	2510' -233'
Wreford	2720' -420'	2698' -421'	2692' -415'
Council Grove Gr.	2743' -443'	2724' -447'	2718' -441'
Pennsylvanian			
Virgilian			
Wabaunsee Gr.	3152' -853'	3133' -856'	3132' -855'
Shawnee Gr.			
Topeka	3470' -1170'	3443' -1166'	3447' -1170'
Douglas Gr.			
Heebner	3812' -1512'	3794' -1517'	3791' -1514'
Toronto	3830' -1530'	3813' -1536'	3806' -1529'
Missourian			
Lansing-Kansas City	3864' -1564'	3845' -1568'	3842' -1565'
Stark Shale	4117' -1817'	4097' -1820'	4094' -1817'
Base Kansas City	4194' -1894'	4172' -1895'	4172' -1895'
Desmoinesian			
Marmaton Gr.	4232' -1932'	4210' -1933'	4206' -1929'
Labette Shale	4376' -2076'	4362' -2085'	4362' -2085'
Cherokee Gr.	4408' -2108'	4393' -2116'	4390' -2113'
Mississippian			
Osagian	4480' -2180	4461' -2184'	4462' -2185'
Kinderhookian			
Gilmore City	ND	4578' -2301'	4578' -2301'
Total Depth	4522' -2222'	4600' -2323'	4600' -2323'

RECEIVED
STATE DEPARTMENT OF CONSERVATION COMMISSION
MAY 26 1992
4578
4600
CONSERVATION DIVISION
Wichita, Kansas



INVOICE

ORIGINAL HALLIBURTON SERVICES

A Halliburton Company

MAY 21 1993

INVOICE NO.	DATE
194668	04/20/1992

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION - STATE		WELL/PLANT OWNER	
POWERS 1-28		HODGEMAN KS		SAME	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE	
NESS CITY		ALLEN DR LG.		CEMENT SURFACE CASING	
TICKET DATE		04/20/1992			
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
273943	VINCENT SCHREPEL			COMPANY TRUCK	32888

ENSIGN OPERATING COMPANY
621 17TH ST.
DENVER, CO 80293

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
000-117	PRICING AREA - EASTERN AREA 1 MILEAGE	26	MI	2.60	67.60
001-016	CEMENTING CASING	575	FT	680.00	680.00
030-503	CMTG PLUG LA-11, CP-1, CP-3, TOP	8	5/8 IN	90.00	90.00
16A	CASING SHOE - 8 5/8" 8RD THD.	1	EA	161.00	161.00
830.2171					
24A	INSERT FLOAT VALVE - 8 5/8" 8RD	1	EA	171.00	171.00
815.19502					
27	FILL-UP UNIT 9 5/8" - 13 3/8"	1	EA	30.00	30.00
815.19413					
40	CENTRALIZER 8-5/8" X 12.25"	1	EA	62.00	62.00
807.93058					
350	HALLIBURTON WELD-A	1	LB	11.50	11.50
890.10802					
504-308	STANDARD CEMENT	180	SK	6.06	1,090.80
506-105	POZMIX A	120	SK	3.40	408.00
506-121	HALLIBURTON-GEL-2%	5	SK	.00	N/C
509-406	ANHYDROUS CALCIUM CHLORIDE	8	SK	26.50	212.00
500-207	BULK SERVICE CHARGE	316	CFT	1.15	363.40
500-306	MILEAGE CMTG MAT DEL OR RETURN	350.220	TMI	.80	280.18

INVOICE SUBTOTAL

3,627.48

DISCOUNT - (BID)
INVOICE BID AMOUNT

*-KANSAS STATE SALES TAX

FROM CONFIDENTIAL

INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>

RECEIVED
STATE CORPORATION COMMISSION
MAY 26 1992
CONSERVATION DIVISION
Wichita, Kansas
83,184.17

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



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

ORIGINAL HALLIBURTON SERVICES RECEIVED MAY 21 1992

INVOICE

INVOICE NO.	DATE
174837	04/23/1992

CONFIDENTIAL

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
POWERS 1-28		HOUSEMAN		KS	SAME	
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE	
DESS CITY		ALLEN	PLUG TO ABANDON		04/23/1992	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.	
173943	VINCENT SCHREPEL			COMPANY TRUCK	33187	

ENSIGN OPERATING COMPANY
621 17TH ST.
DENVER, CO 80293

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

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
600-117	TRICING AREA - EASTERN AREA MILEAGE	26	MI	2.60	67.60
090-910	MISCELLANEOUS PUMPING JOB	1	TRK	395.00	395.00
030-503	DMTS PLUG LA-11, CP-1, CP-3, TOP	3	5/8 IN	30.00	90.00
504-308	STANDARD CEMENT	1	EA		
504-105	POZMIX A	75	SK	6.06	454.50
504-121	HALLIBURTON-BEL 2%	50	SK	3.40	170.00
507-277	HALLIBURTON-BEL BENTONITE	2	SK	.00	N/D
500-207	BULK SERVICE CHARGE	4	SK	14.75	59.00
500-306	BULK SERVICE CHARGE	123	CFT	1.15	142.15
	MILEAGE DMTS NAT DEL OR RETURN	147.850	TMT	.80	118.04
INVOICE SUBTOTAL					1,507.09
DISCOUNT - (BIG)					226.05
INVOICE BID AMOUNT					1,281.04

RELEASED

MAY 5 1992

FROM CONFIDENTIAL

Post-It™ brand fax transmittal memo 7671 # of pages **2**

To <i>Cornie Smith</i>	From <i>Jim Searle</i>
Co. <i>Ensign Oper.</i>	Co. <i>Halliburton</i>
Dept.	Phone <i>913-625-3431</i>
Fax # <i>303-295-6118</i>	Fax # <i>913-625-2536</i>

RECEIVED
STATE CORPORATION COMMISSION

MAY 26 1992

INVOICE TOTAL - PLEASE PAY THIS AMOUNT

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CONSERVATION DIVISION
Topeka, Kansas

COPY

CONFIDENTIAL

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

MAY 21 1993

Operator: License # 04782
Name: Ensign Operating Co.
Address 621 17th St.
Suite 1800
City/State/Zip Denver, CO 80293

Purchaser: _____
Operator Contact Person: J. C. Simmons
Phone (303) 293-9999

Contractor: Name: Allen Drilling
License: 5418

Wellsite Geologist: Duane Moredock

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, MSW, 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 PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____
4/20/92 4/26/92 D&A 4/28/92
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County HODGEMAN
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NE, SE, NW or SW (circle one)

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Field Name Wildcat

Producing Formation _____
Elevation: Ground 2265' KB 2277'

Total Depth 4600' PBTB _____

Amount of Surface Pipe Set and Cemented at 572 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 cmt.

Brilling Fluid Management Plan 1172 EPA
(Data must be collected from the Reserve Pit)

Chloride content 9000 ppm Fluid volume 2160 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter Sec. Twp. S Rng. E/W

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.

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Signature Connie Smith

Title Sr. Engineering Technician Date 5/21/92

Subscribed and sworn to before me this 21st day of May

Notary Public: Janet L. Campbell

Date Commission Expires 9-30-94

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution May 20 1992
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)