

ORIGINAL

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CONFIDENTIAL

KCC
March 24, 1992
APR 22

APR 09 1992

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

FROM CONFIDENTIAL 189-21,461-00-00 CONFIDENTIAL

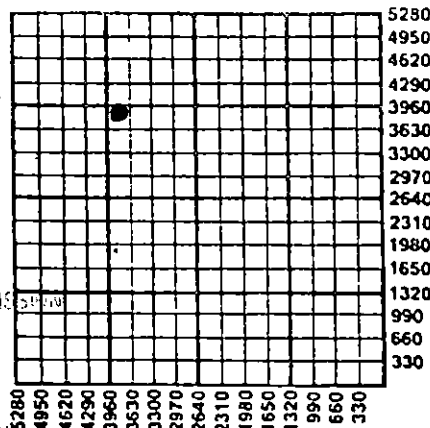
Operator: License # 04782
Name: Ensign Operating Co.
Address: 621 17th street
Suite 1800
City/State/Zip Denver, Colorado 80293
Purchaser: Spot Sales
Operator Contact Person: J. C. Simmons
Phone (303) 293-9999

County Stevens
NE 1/4 Sec. 36 Twp. 33S Rge. 37 East West
3890' Ft. North from Southeast Corner of Section
1390 ~~3890~~ Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)
Lease Name Carpenter Well # 1-36
Field Name Hugoton
Producing Formation Chase
Elevation: Ground 3081' KB 3091'
Total Depth 2811' PBTD

Contractor: Name: Cheyenne Drilling, Rig #2
License: _____
Wellsite Geologist: None
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 Methods:
 Mud Rotary _____ Air Rotary _____ Cable _____
11/15/90 11/17/90 2/20/91
Spud Date Date Reached TD Completion Date

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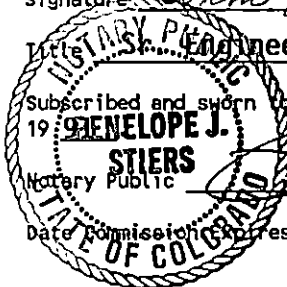


Amount of Surface Pipe Set and Cemented at 687' Feet:
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx amt.

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
Engineering Tech. Date 3/6/91
Subscribed and sworn to before me this 6 day of March,
1991
Renelope J. Stiers
Notary Public
My Commission expires October 21, 1991
621 17th St. Suite 1800
Denver, Colorado 80293



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C _____ Drillers Timelog Received
Distribution
 KCC _____ SWD/Rep _____ NGPA
_____ KGS _____ Plug _____ Other (Specify)

SIDE TWO

Operator Name Ensign Operating Co. Lease Name Carpenter Well # 1-36
 Sec. 36 Twp. 33S Rge. 37 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.)

Name	Formation Description	
	Top	Bottom
Top Glorietta	1885'	1206'
Base Stone Corral	1351'	1740'
Herrington	483'	2603'
U. Krider	449'	2642'
L. Krider	416'	2671'
Winfield	363'	2728'
Towanda	303'	2788'
TD	280'	2811'

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"	23	687'	Lite Class "C"	200	1/4#/sx Celloseal 2% CaCl2
Production	7-7/8"	5-1/2"	15.5	2811'	HLC Class "H"	355	1/4#/sx Flocele

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)
Shots Per Foot	Specify Footage of Each Interval Perforated	Depth
2 JSPF	2642-2714'; 2726-2714'; 2786-2803'	125,000 Gals Boragell G3190 425,000# 12/20 Mesh Sd

TUBING RECORD Size 2-3/8" Set At 2805' Packer At _____
 Liner Run Yes No

Date of First Production SI - WOPL 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 _____



ORIGINAL RELEASED

DUPLICATE INVOICE

CONFIDENTIAL

The Western Company of North America

APR 09 1992

FROM CONFIDENTIAL P.O. BOX 12480 TULSA, OKLAHOMA 74194 (817) 731-5100

KCC Mark 6, 92 APR 22

TO ENSIGN OPERATING COMPANY
321 17TH STREET, SUITE 1800
DENVER, CO 80293

TERMS **CONFIDENTIAL**
NET CASH DUE ON OR
BEFORE 30 DAYS
AFTER DATE OF INVOICE

FEDERAL I.D. NO. C 75-0763484

INVOICE NO.
361113

PLEASE DISREGARD THIS INFORMATION
28018 12 25 15 1 20 9

DATE MO. DAY YR. 11 18 90	OUR RECEIPT NO. 124096	SERVICES FROM OUR STATION AT PERRYTON CEMENTI ARRINGTON	OUR ENGINEER	SIGNED FOR YOU BY MCGRIFF
FOR SERVICING WELL NAME CARPENTER 1-36		COUNTY STEVENS	STATE KS	YOUR ORDER NO.

UNITS	CODE	DEPTH AND DESCRIPTION	UNIT PRICE	AMOUNT
1.0	P0035	CEMENT CSNG, 1ST 8 HRS, 501-1000	630.000	630.00
6.0	K1005	MILEAGE CHARGE, PER UNIT, PER MILE	2.350	14.10
6.0	K1025	MILEAGE AUTO/PICK-UP/TREATING VAN	.800	4.80
384.0	M1005	SERVICE CHARGE LAND JOBS PER CU FT	1.100	422.40
99.7	M2305	DELIVERY CHARGE PER TON MILE	.750	74.78
630.0	P0527	CALCIUM CHLORIDE-TEXAS PANHANDLE, LB	.322	202.86
87.0	P1715	CELLO-SEAL, PER LB	1.600	139.20
1.0	P3255	THREAD LOCKING COMPOUND, PER BOX	20.000	20.00
1.0	P3625	CEMNTNG PLG, RUBR, TOP, 8 5/8", EA	90.000	90.00
150.0	P392N	PREM PLUS CMT, SK, HUGOTON, KS	7.500	1,125.00
200.0	P452F	PACESSETTER LITE II, PERRYTON, TX	7.800	1,560.00
1.0	13365	8-5/8" G/S, NOTCHED, BRD	185.000	185.00
3.0	17068	8-5/8" CENTRALIZER, W/PIN	58.000	174.00
1.0	17135	8-5/8" STOP COLLARS	19.000	19.00
1.0	17180	8-5/8" INSERT, ALUM AUTO BRD STC	265.000	265.00
		SUB TOTAL		4,926.14
	90200	SALES CONCESSION ON SERVICES		1,133.01

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CONSERVATION DIVISION

PAY THIS AMOUNT →

3,793.13

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March 6, 92
APR 2 21

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

INVOICE ORIGINAL HALLIBURTON SERVICES

CONFIDENTIAL
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FROM CONFIDENTIAL Halliburton Company

INVOICE NO.	DATE
043012	11/18/1992

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
CARPENTER 1-36		STEVENS		KS	SAME	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE
LIBERAL		CHYENNE #2		CEMENT PRODUCTION CASING		11/18/1992
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA		FILE NO.
273943	B. J. MCGRIFF			COMPANY TRUCK		0582

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

DIRECT CORRESPONDENCE TO:
SUITE 1300
LIBERTY TOWER
100 BROADWAY AVENUE
OKLAHOMA CITY, OK 73102-0000

PRICE REF NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	MILEAGE	33	MI	2.35	77.55
000-118	MILEAGE SURCHARGE-CEMENT-LAND	33	MI	.40	13.20
001-016	CEMENTING CASING	2820	FT	1,045.00	1,045.00
80	FORM PKR SHOE FLAP VLV 5 1/2"	1	EA	2,400.00	2,400.00
855.137		1	EA		
40	CENTRALIZER 5-1/2" MODEL S-4	3	EA	44.00	132.00
807.93022					
12A	GUIDE SHOE - 5 1/2" 8RD THD.	1	EA	104.00	104.00
825.205					
350	HALLIBURTON WELD-A	1	LB	11.00	11.00
890.10802					
82	FILL-UP UNIT	1	EA	45.00	45.00
855.02545					
019-000	NIPPLE 5 1/2	1	EA	120.00	120.00
504-043	PREMIUM CEMENT	50	SK	6.85	342.50
504-120	HALL. LIGHT -PREMIUM PLUS	355	SK	6.29	2,232.95
507-210	FLOCELE	89	LB	1.30	115.70
500-307	MILEAGE SURCHARGE-CEMENT MAT.	93.8175	TMI	.10	9.38
500-207	BULK SERVICE CHARGE	411	CFT	1.10	452.10
500-306	MILEAGE CMTG MAT DEL OR RETURN	93.8175	TMI	.75	70.36
	INVOICE SUBTOTAL				7,170.74
	DISCOUNT-(BID)				1,434.14-
	INVOICE BID AMOUNT				5,736.60
	*-KANSAS STATE SALES TAX				200.79
	*-SEWARD COUNTY SALES TAX				47.25
	INVOICE TOTAL - PLEASE PAY THIS AMOUNT				\$5,984.64

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STATE CORPORATION COMMISSION

MAR - 8 1992

Wichita Kansas

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