

ORIGINAL

KCC

5-06-91
5-6-91

*AMENDED 06/07/91

SIDE ONE

MAY 06

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

KCC

API NO. 15- 033-20,814

CONFIDENTIAL

County Comanche

MAY 6 1993

App. S/2 SW Sec. 17 Twp. 31S Rge. 20 X East West

CONFIDENTIAL

645 Ft. North from Southeast Corner of Section

3780 Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

Lease Name Huck Well # 1-17

Field Name Unnamed

*Producing Formation Viola

Elevation: Ground 2171 KB 2184

Total Depth 6400 PBD 6080

Operator: License # 30444

Name: Charter Production Company

Address 224 E. Douglas - Suite 400

City/State/Zip Wichita KS 67202

Purchaser: Koch

Operator Contact Person: Robert C. Spurlock

Phone (316) 264-2808

Contractor: Name: Eagle Drilling, Inc.

License: 5380

Wellsite Geologist: Lou Bird

Designate Type of Completion

X New Well Re-Entry Workover

X Oil SWD Temp. Abd.

Gas Inj Delayed Comp.

Dry Other (Core, Water Supply, etc.)

RELEASED

If OMO: old well info as follows:

Operator:

Well Name:

Comp. Date Old Total Depth

Drilling Method:

X Mud Rotary Air Rotary Cable

03/09/91 03/22/91 04/18/91

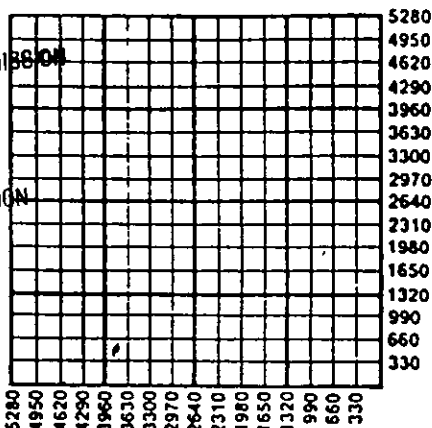
Spud Date Date Reached TD Completion Date

RECEIVED

STATE CORPORATION COMMISSION

JUN 10 1991

CONSERVATION DIVISION
Wichita, Kansas



Amount of Surface Pipe Set and Cemented at 611 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cmt.

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.

CHARTER PRODUCTION COMPANY

Signature Robert Spurlock

Title President Date 05/06/91

Subscribed and sworn to before me this 06th day of May

19 91.

Notary Public Debra Raggio

Date Commission Expires My Appt. Exp.



K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached

C Wireline Log Received

C Drillers Timelog Received

Distribution

X KCC SWD/Rep NGPA

KGS Plug Other (Specify)

P1

SIDE TWO

Operator Name Charter Production Company Lease Name Huck Well # 1-17

Sec. 17 Twp. 31S Rge. 20 East West
 County Comanche

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.)

Formation Description

Log Sample

Name Top Bottom

SEE ATTACHED SHEET. PLEASE KEEP ALL INFORMATION CONFIDENTIAL.

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#	611	lite	275	3% cc
					class "A"	100	3% cc, 2% gel
Production	7 7/8	5 1/2	15 1/2#	6399	pozmix	250	10% salt, 3/4% haled, 322 10#

PERFORATION RECORD

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	6100-20	2000 gals 15% FE & 100 ball sealers	6200-20
2	5932-82	5000 gals 15% FE & 125 ball sealers; 70,000 gals 95° FHT My-T-Gel LT & 125,000# 20/40 sand	5932-82

TUBING RECORD

Size	Set At	Packer At	Liner Run
2 3/8	5900	No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First Production 04/19/91 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	51		68		

Disposition of Gas: too small to measure **METHOD OF COMPLETION** Production Interval

Vented Sold Used on Lease Open Hole Perforation Dually Completed Commingled
 (If vented, submit ACO-18.) Other (Specify) _____

ORIGINAL

KCC

CHARTER PRODUCTION COMPANY

HUCK #1-17

COMANCHE COUNTY, KANSAS

ATTACHED TO AMENDED ACO-1

RELEASED

MAY 0 6

JUN 8 1993

CONFIDENTIAL

FROM CONFIDENTIAL

DST #1 from 5145'-94' (Inola 5188-91 drilled 2" per foot); 30-30-30-30. IHP 2544; IFP 50-50; ISIP 60; FFP 50-50; FSIP 50; FHP 2493. BHP 107°. Rec. 10 drlg mud. Blow weak on first opening; no blow on second opening. 172 units total gas over 78 units background gas.

DST #2 from 6254'-67'; 30-30-30-30. IHP 3078; IFP 20-20; ISIP 2024; FFP 30-30; FSIP 1933; FHSP 3026; BHT 125°. Rec. 10' drlg mud. Blow very weak during first opening; no blow on second opening.

DST #3 from 5940'-6040'; 30-60-90-90. Strong blow immediately on first opening, off bottom of bucket in 3"; strong blow with gas to surface in 7" on second opening. Recovered 180' heavy oil & gas cut mud, 260' very heavy oil and gas cut mud; and 120' free gassy oil; no water. IHP 3057; IFP 90-159; ISIP 2075; FFP 100-219; FSIP 1953; FHSP 3057.

FORMATION

SAMPLE TOPS

- Heebner 4305' (-2121)
- Toronto 4318' (-2134)
- Brown Lime 4482' (-2298)
- Lansing 4489' (-2305)
- Stark Shale 4842' (-2658)
- Base/KC 4964' (-2780)
- Marmaton 4985' (-2801)
- Cherokee 5102' (-2918)
- Miss/St. Louis 5195' (-3011)
- Kinderhook Lime 5919' (-3735)
- Viola 5934' (-3750)
- Simpson Dolo 6157' (-3973)
- Simpson Shale 6164' (-3980)
- Simpson Sand 6252' (-4868)
- Arbuckle 6274' (-4090)
- TD 6400'

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STATE CORPORATION COMMISSION

JUN 10 1991

CONSERVATION DIVISION
Wichita, Kansas

MAY 06

HALLIBURTON SERVICES

INVOICE

A Halliburton Company

CONFIDENTIAL

INVOICE NO.	DATE
097469	03/22/1991

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER		
CK 1-17	COMANCHE	KS	SAME		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
ATT	EAGLE DRILLING	CEMENT PRODUCTION CASING	03/22/1991		
LT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
5739	ROBERT MOOREHEAD			COMPANY TRUCK	12507

RELEASED

CHARTER PRODUCTION
224 E. DOUGLAS, SUITE 400
WICHITA, KS 67202

JUN 8 1991

DIRECT CORRESPONDENCE TO:
FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050

FROM CONFIDENTIAL OKLAHOMA CITY, OK 73102-5601

ICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
	CING AREA - MID CONTINENT				
0-117	MILEAGE	60	MI	2.35	141.00
		1	UNT		
0-118	MILEAGE SURCHARGE-CEMENT-LAND	60	MI	.40	24.00
		1	UNT		
1-016	CEMENTING CASING	6406	FT	1.475.00	9,475.00
		1	UNT		
8-317	SUPER FLUSH	10	SK	74.00	740.00
0-016	CEMENTING PLUG SW ALUM TOP	5.5	IN	50.00	50.00
		1	EA		
A	GUIDE SHOE 5 1/2" 8RD THD	1	EA	105.00	105.00
25-205					
A	INSERT FLOAT VALVE - 5 1/2" 8RD	1	EA	83.00	83.00
15-19251					
	FILL-UP UNIT 5 1/2"-6 5/8"	1	EA	30.00	30.00
15-19311					
	CENTRALIZER 5-1/2" MODEL 5-4	8	EA	44.00	352.00
07-43022					
4-308	STANDARD CEMENT	125	SK	5.35	668.75
6-105	POZMIX A	125	SK	2.79	348.75
6-121	HALLIBURTON-GEL 2X	4	SK	00	N/A
9-988	SALT	1250	LB	10	12500
8-292	GILSONITE, SACKED	2500	LB	47	1,175.00
7-775	HALAD-322	158	LB	5.95	940.10
0-307	MILEAGE SURCHARGE-CEMENT MAT	759.84	TMI	.10	75.98
0-207	BULK SERVICE CHARGE	318	CPT	1.10	349.80
0-306	MILEAGE ONTO MAT DEL OR RETURN	759.84	TMI	.25	569.88
	INVOICE SUBTOTAL				17,253.26
	DISCOUNT-(BID)				1,087.97
	INVOICE GROSS AMOUNT				16,165.29

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STATE CORPORATION COMMISSION

JUN 10 1991

CONSERVATION DIVISION
Wichita, Kansas

***** CONTINUED ON NEXT PAGE *****

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 16% 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



INVOICE

HALLIBURTON SERVICES

ORIGINAL

INVOICE NO. **CONFIDENTIAL**
 097469 DATE 03/22/1991

A Halliburton Company

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
OK 1-17		COMANCHE		KS	SAME	
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE			TICKET DATE	
ATT	EAGLE DRILLING	CEMENT PRODUCTION CASING			03/22/1991	
LT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.	
5799	ROBERT MOOREHEAD			COMPANY TRUCK	12507	

RELEASED

CHARTER PRODUCTION
 224 E. BOUGLAS, SUITE 400
 WICHITA, KS 67202

JUN 8 1991

FROM CONFIDENTIAL

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

ICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
	*-KANSAS STATE SALES TAX				168 80
	*-PRATT COUNTY SALES TAX				39 71
	INVOICE TOTAL PLEASE PAY THIS AMOUNT				208,373 00

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 STATE CORPORATION COMMISSION

JUN 10 1991

CONSERVATION DIVISION
 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 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 SAID ACCOUNT.