

ORIGINAL
SIDE ONE

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

API NO. 15- 185-22,806-0000
County STAFFORD
82° E
SW NW SW Sec. 4 Twp. 22S Rge. 14 East
 West

Operator: License # 9705

1650' Ft. North from Southeast Corner of Section

Name: Mid-American Hydrocarbon, Inc.

4868' Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Address 114 East Avenue North

Lease Name UNRUH Well # 3

City/State/Zip Lyons, KS. 67554

Field Name Radium-Townsite

Producing Formation Viola

Purchaser: _____

Elevation: Ground 1941' KB 1946'

Operator Contact Person: Kerry Davison

Total Depth 3900' PBD 3840'

Phone (316) 257-5111

Contractor: Name: L. D. Drilling, Inc.

License: 6039

Wellsite Geologist: Daniel DeBoer

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp. Abd.

Gas Inj Delayed Comp.

Dry Other (Core, Water Supply, etc.)

If OWD: old well info as follows:

Operator: _____

Well Name: _____

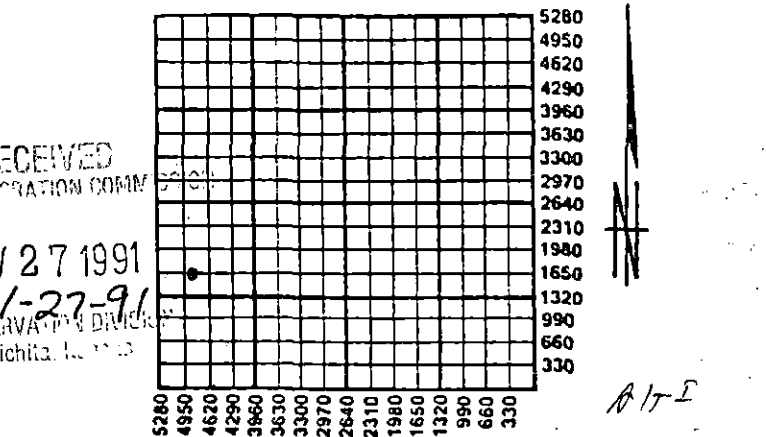
Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

10-15-91 10-21-91 11-15-91

Spud Date Date Reached TD Completion Date



Amount of Surface Pipe Set and Cemented at 251' 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.

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 [Handwritten Signature]

Title President Date 12-20-91

Subscribed and sworn to before me this 20 day of December, 19 91.

Notary Public Michelle Taylor

Date Commission Expires 2/12/95

MICHELLE TAYLOR
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 2/12/95

K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input checked="" type="checkbox"/>	Drillers Timelog Received
Distribution		
	<input type="checkbox"/>	SWD/Rep
	<input type="checkbox"/>	Plug
	<input type="checkbox"/>	NGPA
	<input type="checkbox"/>	Other (Specify)

RECEIVED KCC
STATE CORPORATION COMMISSION
DEC 23 1991

Operator Name MID-AMERICAN HYDROCARBON, INC. Lease Name UNRUH Well # 3

Sec. 4 Twp. 22S Rge. 14 East West County STAFFORD

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 TOPS		
Name	Top	Bottom
Anhydrite		266, (+1080)
Heebner	3332, (-1386)	3328, (-1382)
Brown Lime	3454, (-1508)	3450, (-1504)
Lansing	3465, (-1519)	3457, (-1513)
Base/K.C.	3645, (-1749)	3691, (-1745)
Viola	3764, (-1818)	3762, (1816)
Simpson	3800, (-1854)	3793, (-1847)
Arbuckle	3884, (-1939)	3880, (-1934)

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"	28#	251'	60/40 Poz	180	2% Gel, 3% CC
Production	7 7/8"	5 1/2"	14#	3882'	40/60 Poz	50	10% salt, 75 Hal
					40/60 Poz	50	W5# GILSONI 322

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	3783 to 3797 Viola	Hal. acid 750 gal -15% DSFE	3783-3797
		Hal. acid 2250 gal -15% DSFE	3783-3797
		Hal. frac. w/25,000 lbs. sand	3783-3797

TUBING RECORD Size 2 3/8 Set At 3790 Packer At none Liner Run Yes No

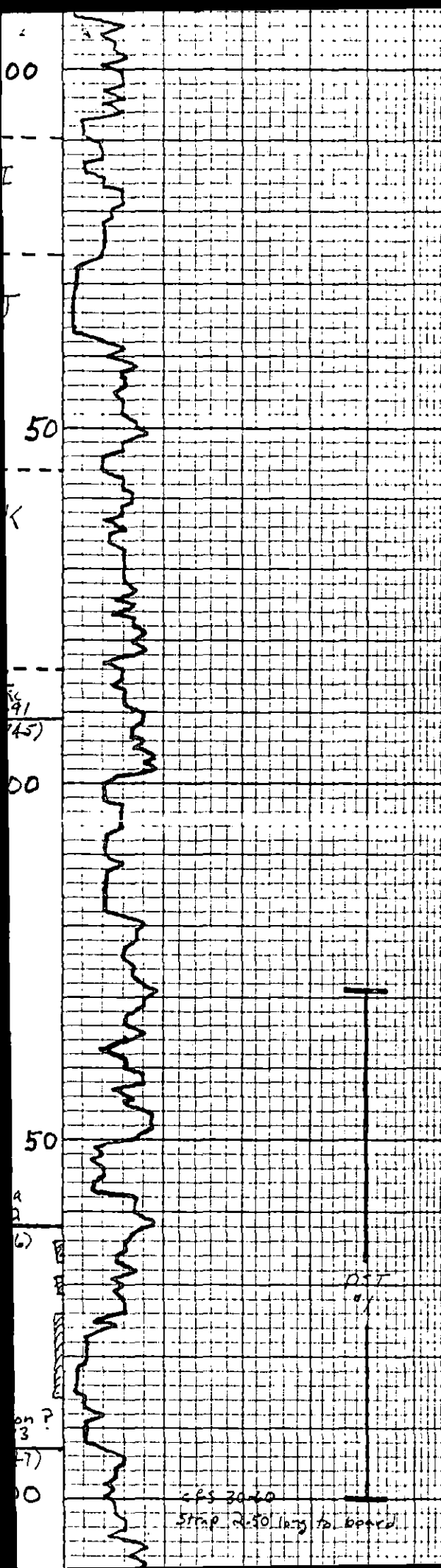
Date of First Production 11/15/91 Producing Method Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity ect.
	15	0	5		35

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

LS, 9/8 - p in Ext. Chng
N.S.

SH, gysm - mgy.

LS, Crm - 1/4 in mind, occ
mical, mical, Chng, Chng,
occ ool, p in Ext. ool. Sme
Fr oomldie & N.S.

SH, dky - mgy, occ gysm

LS, tan - crm, occ 1/4 in, m - wind,
about ool, p - in Ext. ool. Sme
Fr oomldie & No odor, N.S.F.O.
Rise spots, other str. no elev.
No cuts.

LS, tan - crm, m - wind, mical,
occ Chng, Chng, occ ool,
p - in Ext. ool. Sme N.S.

LS, 1/4 in - 1/4 in - Crm, mind
mical, Chng, p in Ext. ool.
N.S.

LS, 9/8, occ 1/4 in, Chng,
p in Ext. ool. Sme
N.S.

LS, 9/8, occ 1/4 in, Chng,
p in Ext. ool. Sme
N.S.

SH, gysm - mgy

LS, 1/4 in - Crm, mical, Chng,
occ ool, p in Ext. ool. Sme
N.S.

SH, mgy - dky, occ gysm,
occ red, sly

SH, 9/8, sly red, sly
(washed red)

LS, 9/8, m - wind, mical, Chng,
occ ool, p in Ext. ool. Sme
N.S.

SH, gysm - mgy, occ red

LS, 1/4 in - Crm, m - wind,
mical, Chng, Chng, p in Ext. ool.
N.S.

LS, 9/8, p in Ext. ool. Sme
N.S.

SH, gysm - mgy

LS, 1/4 in - Crm, mical, occ ool,
p in Ext. ool. Sme
N.S.

SH, gysm - mgy, occ red, sly

LS, 1/4 in - Crm, mical, occ ool,
p in Ext. ool. Sme
N.S.

LS, 9/8, wind, mical,
V. sly, p in Ext. ool. Sme
V. sly, odor, P.S.F.O. (blk).
Rise spots, other str. dull flat
med. vel. string cuts

LS, 9/8, Crm - ben, m - wind, mical,
Ext. V. sly, sly, p - in Ext. ool.
Fr. 6 - 8 - 1/4 in - V. sly, Fr odor,
G.S.F.O. (blk), about spots - sly, sly
dull flat, Fr. 1 - 1/4 in - sly, sly

LS, 9/8, Crm - ben, m - wind, mical,
Ext. V. sly, sly, p - in Ext. ool.
Fr. 6 - 8 - 1/4 in - V. sly, Fr odor,
G.S.F.O. (blk), about spots - sly, sly
dull flat, Fr. 1 - 1/4 in - sly, sly

SH, gysm - mgy - dky

SH, 9/8, occ ben, red, reddish,
occ Chng. (varicol.)

LS, Crm, mind, mical, occ

Vis 45
wt. 9.5
WL 12
chl 7,000

DST #1 3729-3800

30-60-45-90

1st Open: 1" blow

2nd Open: Fair 5" blow.

Rec - 80' Gas in pipe

5' Free oil

35' HOUM (30% o, 70% m)

Pressures: IH: 1870[#]

IFF: 48-52[#]/30

ISIP: 986[#]/60

FFP: 54-57[#]/45

FSIP: 1020[#]/90

FH: 1852[#]

BHT: 109^o

Vis 48
wt. 9.2

10/20/91

eps 30-40
Strip 2-30 long to board

CUSTOMER COPY



REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

HALLIBURTON SERVICES ORIGINAL

A Halliburton Company

INVOICE NO.	DATE
197162	10/15/1991

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
UNRUH 3		STAFFORD		KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE			TICKET DATE
GREAT BEND	L.D. DRILLING	CEMENT SURFACE CASING			10/15/1991
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
579469	R H RIEGEL			COMPANY TRUCK	24018

MID AMERICAN HYDROCARBON
114 EAST AVE. NORTH
LYONS, KS 67554

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	A - MID CONTINENT MILEAGE	20	MI	2.60	52.00
001-016	CEMENTING CASING	251	FT	475.00	475.00
030-503	WOODEN PLUG	8	S/8 IN	90.00	90.00
504-308	STANDARD CEMENT	108	SK	5.35	577.80
506-105	POZMIX A	72	SK	3.29	236.88
506-121	HALLIBURTON-GEL 2X	3	SK	.00	N/C
509-406	ANHYDROUS CALCIUM CHLORIDE	5	SK	26.25	131.25
500-207	BULK SERVICE CHARGE	190	CFT	1.15	218.50
500-306	MILEAGE CMTG MAT DEL OR RETURN	161.90	TMI	.80	129.52
INVOICE SUBTOTAL					1,910.95
DISCOUNT - (BID)					382.18
INVOICE BID AMOUNT					1,528.77
* - KANSAS STATE SALES TAX					43.99
* - BARTON COUNTY SALES TAX					10.36
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					1,563.12

RECEIVED
STATE CORPORATION COMMISSION

NOV 27 1991

STATE CORPORATION COMMISSION

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 UNPAID ACCOUNT.

CUSTOMER COPY



REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

ORIGINAL

INVOICE

HALLIBURTON SERVICES

A Halliburton Company

INVOICE NO.	DATE
197166	10/21/1991

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
UNRUH 3 <i>Completion</i>		STAFFORD		KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE		TICKET DATE	
GREAT BEND	L.D. DRILLING	CEMENT PRODUCTION CASING		10/21/1991	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
579469	DANIEL DEBOER			COMPANY TRUCK	24259

MID AMERICAN HYDROCARBON
114 EAST AVE. NORTH
LYONS, KS 67554

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
PRICING AREA	A - MID CONTINENT				
000-117	MILEAGE	20	MI	2.60	52.00
		1	UNT		
001-016	CEMENTING CASING	3885	FT	1,240.00	1,240.00
		1	UNT		
030-018	CEMENTING PLUG 5W, PLASTIC TOP	5	1/2" IN	60.00	60.00
		1	EA		
12A	GUIDE SHOE - 5 1/2" 8RD THD.	1	EA	105.00	105.00
825.205					
24A	INSERT FLOAT VALVE - 5 1/2" 8RD	1	EA	83.00	83.00
815.19251					
27	FILL-UP UNIT 5 1/2"-6 5/8"	1	EA	30.00	30.00
815.19311					
40	CENTRALIZER 5-1/2" MODEL S-4	6	EA	44.00	264.00
807.93022					
018-317	SUPER FLUSH	12	SK	87.00	1,044.00
019-241	CASING SWIVEL W/O WALL CLEANER	1	JOB	155.00	155.00
504-308	STANDARD CEMENT	69	SK	5.35	369.15
506-105	POZMIX A	46	SK	3.29	151.34
506-121	HALLIBURTON-GEL 2%	2	SK	.00	N/C
509-968	SALT	550	LB	.10	55.00
509-968	SALT NOT MIXED	400	LB	.10	40.00
508-292	GILSONITE, SACKED	250	LB	.47	117.50
507-775	HALAD-322	74	LB	6.15	455.10
500-207	BULK SERVICE CHARGE	134	CFT	1.15	154.10
500-306	MILEAGE CMTG MAT DEL OR RETURN	113.62	TMI	.80	90.90
INVOICE SUBTOTAL					4,466.09
DISCOUNT-(BID)					669.89-
INVOICE BID AMOUNT					3,796.20

RECEIVED
STATE COMMISSION

NOV 27 1991

***** 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 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 UNPAID ACCOUNT.

COPY



ORIGINAL

REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

VOICE

HALLIBURTON SERVICES

A Halliburton Company

INVOICE NO.	DATE
197166	10/21/1991

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER		
TRUH 3 <i>Completion</i>	STAFFORD	KS	SAME		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
GREAT BEND	L.D. DRILLING	CEMENT PRODUCTION CASING	10/21/1991		
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
579469	DANIEL DEBOER			COMPANY TRUCK	24259

MID AMERICAN HYDROCARBON
114 EAST AVE. NORTH
LYONS, KS 67554

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
	*-KANSAS STATE SALES TAX				67.92
	*-BARTON COUNTY SALES TAX				15.99
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$3,880.11

RECEIVED
STATE CORPORATION COMMISSION
NOV 27 1991
CONSERVATION DIVISION

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 UNPAID ACCOUNT.