

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

API NO. 15- 151-21,987-00-00

County Pratt
Approx. SW East
SW NE NW Sec. 18 Twp. 28S Rge. 11 X West

Operator: License # 5278

4250 Ft. North from Southeast Corner of Section

Name: Enron Gas Pipeline Oper. Co.

3640 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Address P. O. Box 178

Lease Name Lunt Well # 18-12

City/State/Zip Cunningham, KS 67035

Field Name Cairo

Producing Formation _____

Purchaser: _____

Elevation: Ground 1799' KB 1811'

Operator Contact Person: Ben Horsch

Total Depth 4330' PBDT _____

Phone (316) 257-5146

Contractor: Name: Abercrombie Drilling, Inc.

License: 5422

Wellsite Geologist: Guy Bruner

Designate Type of Completion
 New Well Re-Entry Workover

Stor Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

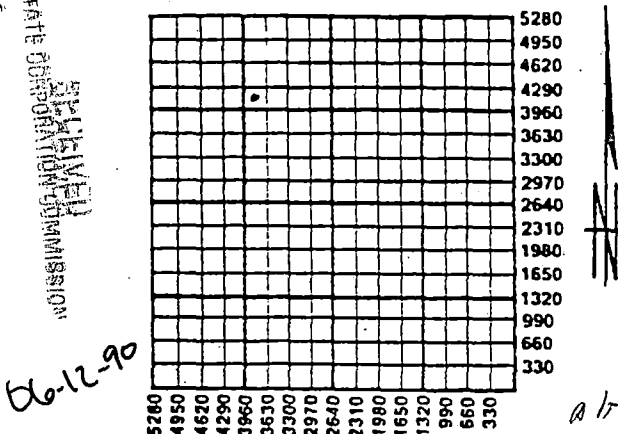
If OWWO: old well info as follows:
Operator: N/A

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable

04-10-90 04-17-90 05-09-90
Spud Date Date Reached TD Completion Date



Amount of Surface Pipe Set and Cemented at 1573.96 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 2086' Feet

If Alternate II completion, cement circulated from 4330'

feet depth to Surface w/ 875 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 Guy L Bruner

Title Reservoir Engineer Date 6-05-90

Subscribed and sworn to before me this 5 day of June, 19 90.

Notary Public Karen Elliot

Date Commission Expires January 20, 1991



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

ORIGINAL

SIDE TWO

Operator Name Enron Gas Pipeline Oper. Co. Lease Name Lunt Well # 18-12
 Sec. 18 Twp. 28S Rge. 11 East West
 County Pratt

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 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	Formation Description <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample Name: <u>Viola</u> Top: <u>4266'</u> Bottom: <u>4317'</u>
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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
Conductor	17 1/2"	13 3/8"	48#	193.48'	Standard	200	3% cc, 1/2# Floce1
Surface	12 1/4"	8 5/8"	24#	1573.96'	50/50 poz	800	3% cc, 2% qe1, 1/2# Floce1
Production		5 1/2"	15 1/2#	4330.06'	Enron Spec (poz)	900	

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4 Shots P/Ft.	4296' to 4266'	1000 Gal 15% HCL	4296 to 4266

TUBING RECORD
 Size 2 7/8" Set At 4249.89 Packer At 4256.79 Liner Run Yes No

Date of First Production _____ Producing Method Flowing Pumping Gas Lift Other (Explain) _____ Storage Observation _____
 Estimated Production Per 24 Hours Oil N/A 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 _____

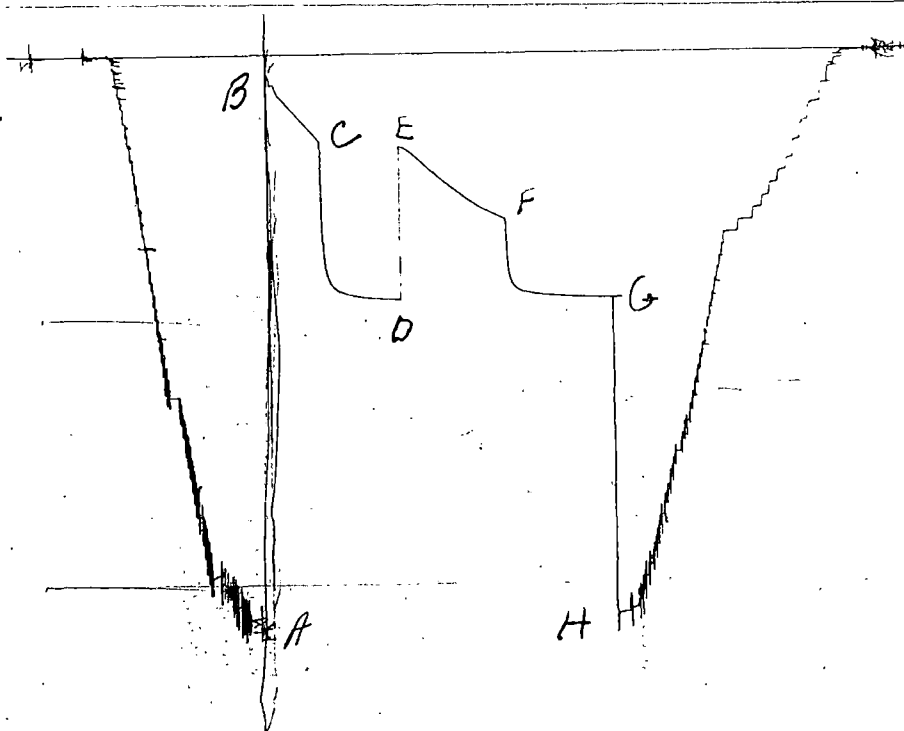
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<p>ENRON GAS PIPELINE OPERATING COMPANY</p> <p>LEASE : LUNT</p> <p>WELL NO. : 18-12</p> <p>TEST NO. : 1</p>

TICKET NO : 00880900
 23-APR-90
 PRATT.

KCC

LEGAL LOCATION SEC. - TWP. - RANG.	LEASE NAME	WELL NO.	TEST NO.	FIELD AREA	COUNTY	STATE
18-28S-11W	LUNT	18-12	1	CUNNINGHAM STORAGE	PRATT	KANSAS DR
				TESTED INTERVAL		
				4245.0 - 4330.0		
				ENRON GAS PIPELINE OPERATING COMPANY		
				LEASE OWNER/COMPANY NAME		



008809-7348

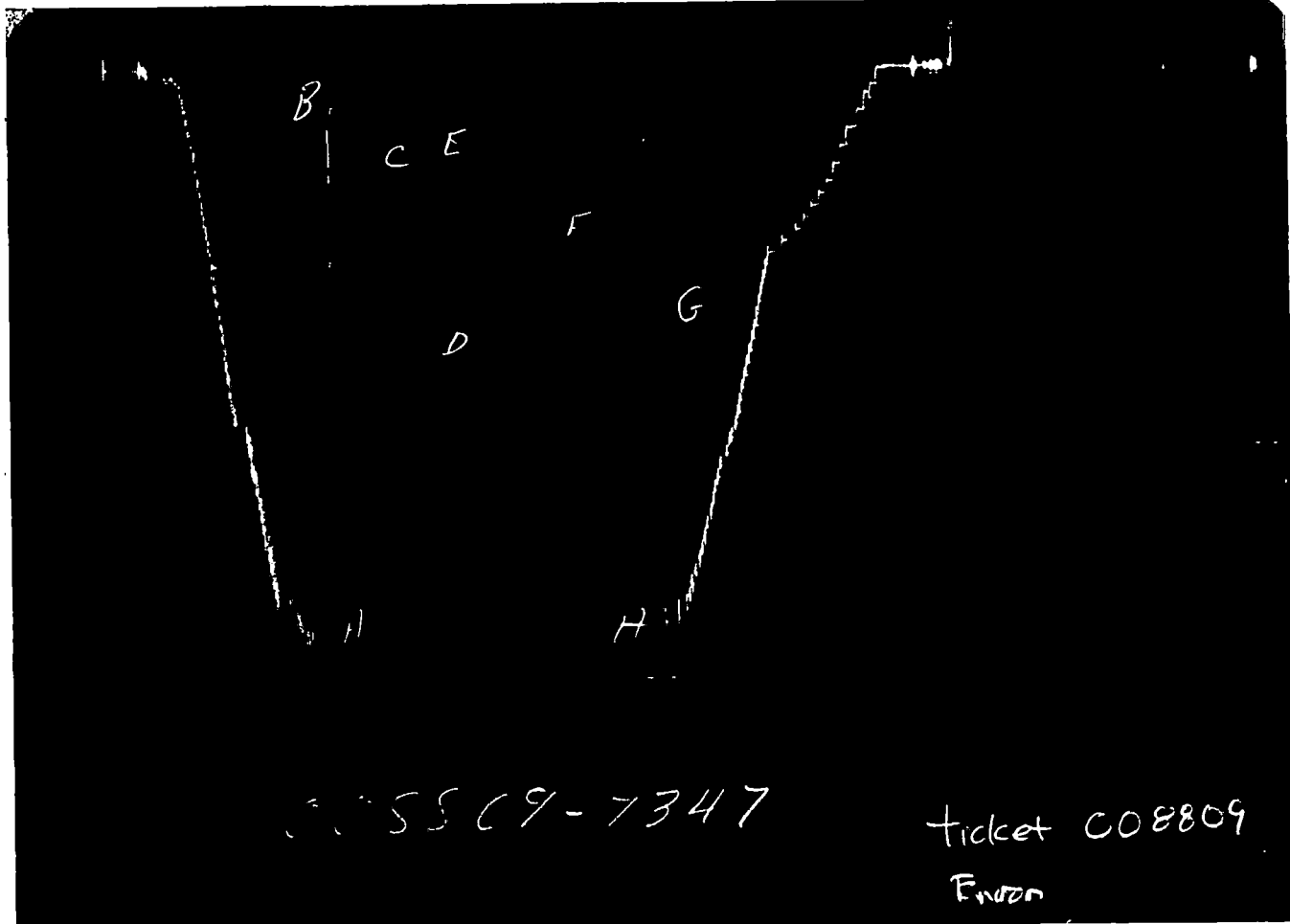
Ticket # 008809

Enron
1 unit 18-12

GAUGE NO: 7348 DEPTH: 4224.0 BLANKED OFF: NO HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2116	2134.4			
B	INITIAL FIRST FLOW	80	123.6			
C	FINAL FIRST FLOW	338	335.6	30.0	29.7	F
C	INITIAL FIRST CLOSED-IN	338	335.6			
D	FINAL FIRST CLOSED-IN	926	941.1	45.0	45.3	C
E	INITIAL SECOND FLOW	368	355.2			
F	FINAL SECOND FLOW	634	637.2	60.0	59.3	F
F	INITIAL SECOND CLOSED-IN	634	637.2			
G	FINAL SECOND CLOSED-IN	926	936.1	60.0	60.7	C
H	FINAL HYDROSTATIC	2106	2115.7			

7348



GAUGE NO: 7347 DEPTH: 4327.0 BLANKED OFF: YES HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2156	2168.5			
B	INITIAL FIRST FLOW	135	177.6			
C	FINAL FIRST FLOW	376	380.6	30.0	29.7	F
C	INITIAL FIRST CLOSED-IN	376	380.6			
D	FINAL FIRST CLOSED-IN	969	973.4	45.0	45.3	C
E	INITIAL SECOND FLOW	385	392.9			
F	FINAL SECOND FLOW	692	671.2	60.0	59.3	F
F	INITIAL SECOND CLOSED-IN	692	671.2			
G	FINAL SECOND CLOSED-IN	940	968.3	60.0	60.7	C
H	FINAL HYDROSTATIC	2118	2148.0			

X000

EQUIPMENT & HOLE DATA

FORMATION TESTED: VIOLA
 NET PAY (ft): 63.0
 GROSS TESTED FOOTAGE: 85.0
 ALL DEPTHS MEASURED FROM: KELLY BUSHING
 CASING PERFS. (ft): _____
 HOLE OR CASING SIZE (in): 7.875
 ELEVATION (ft): 1799.0
 TOTAL DEPTH (ft): 4330.0
 PACKER DEPTH(S) (ft): 4239.4245
 FINAL SURFACE CHOKE (in): 0.25000
 BOTTOM HOLE CHOKE (in): 0.750
 MUD WEIGHT (lb/gal): 9.60
 MUD VISCOSITY (sec): 46
 ESTIMATED HOLE TEMP. (°F): 110
 ACTUAL HOLE TEMP. (°F): _____ @ _____ ft

TICKET NUMBER: 00880900DATE: 4-17-90 TEST NO: 1TYPE DST: OPEN HOLE

FIELD CAMP:

PRATT.TESTER: FRANK SNYDERWITNESS: BEN HORSCH

DRILLING CONTRACTOR:

ABERCROMBIE DRILLINGFLUID PROPERTIES FOR
RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
<u>PIT</u>	_____ @ _____ °F	<u>3400</u> ppm
<u>MUD-TOP</u>	_____ @ _____ °F	<u>4528</u> ppm
<u>OIL</u>	_____ @ _____ °F	<u>16400</u> ppm
<u>WATER-TOP</u>	<u>0.140</u> @ <u>68</u> °F	<u>59430</u> ppm
<u>WATER-BOTTOM</u>	<u>0.200</u> @ <u>70</u> °F	<u>76410</u> ppm
_____	_____ @ _____ °F	_____ ppm

SAMPLER DATA

Psig AT SURFACE: _____
 cu.ft. OF GAS: _____
 cc OF OIL: _____
 cc OF WATER: _____
 cc OF MUD: _____
 TOTAL LIQUID cc: _____

HYDROCARBON PROPERTIES

OIL GRAVITY (°API): _____ @ _____ °F
 GAS/OIL RATIO (cu.ft. per bbl): _____
 GAS GRAVITY: _____

CUSHION DATA

TYPE	AMOUNT	WEIGHT
_____	_____	_____
_____	_____	_____

RECOVERED :

75' OIL SPECKED MUD (9% SOLIDS, 90% MUD-OIL TRACE)
 270' MUDDY OIL (32% SOLIDS, 17% WATER, 20% HEAVY
 OIL, 30% GAS.)
 360' GASSY MUDDY WATER
 660' GASSY WATER

MEASURED FROM
TESTER VALVE

REMARKS :

	TOP WATER	BOTTOM WATER
SPECIFIC GRAVITY	1.075	1.10
IRON	20	50 MPL
PH	6.52	6.3
CHLORIDES	59,430	76,410 MPL
CALCIUM	6826	7205
MAGNESIUM	1538	2307 MPL
SULFATES	MODERATE	MODERATE

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33X

TICKET NO: 00880900
 CLOCK NO: 17485 HOUR: 12

GAUGE NO: 7348
 DEPTH: 4224.0

REF	MINUTES	PRESSURE	AP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B 1	0.0	123.6			
2	2.0	119.4	-4.2		
3	4.0	114.9	-4.4		
4	6.0	152.6	37.7		
5	8.0	168.8	16.2		
6	10.0	183.0	14.1		
7	12.0	198.8	15.8		
8	14.0	213.8	15.0		
9	16.0	231.1	17.3		
10	18.0	246.6	15.5		
11	20.0	261.5	14.8		
12	22.0	275.4	13.9		
13	24.0	290.7	15.3		
14	26.0	305.7	15.0		
15	28.0	321.3	15.6		
C 16	29.7	335.6	14.2		
FIRST CLOSED-IN					
C 1	0.0	335.6			
2	1.0	711.4	375.9	1.0	1.479
3	2.0	785.0	449.5	1.9	1.192
4	3.0	831.6	496.0	2.7	1.034
5	4.0	854.8	519.2	3.5	0.924
6	5.0	868.4	532.9	4.3	0.843
7	6.0	880.6	545.1	5.0	0.776
8	7.0	888.8	553.3	5.7	0.720
9	8.0	895.7	560.1	6.3	0.674
10	9.0	900.6	565.1	6.9	0.634
11	10.0	905.6	570.0	7.5	0.598
12	12.0	912.3	576.8	8.5	0.541
13	14.0	918.1	582.5	9.5	0.494
14	16.0	921.7	586.1	10.4	0.455
15	18.0	925.3	589.7	11.2	0.423
16	20.0	927.9	592.4	12.0	0.395
17	22.0	929.3	593.7	12.6	0.371
18	24.0	931.2	595.6	13.3	0.350
19	26.0	932.8	597.3	13.9	0.331
20	28.0	934.3	598.7	14.4	0.314
21	30.0	935.2	599.7	14.9	0.299
22	35.0	937.2	601.6	16.1	0.267
23	40.0	938.5	602.9	17.1	0.241
D 24	45.3	941.1	605.5	17.9	0.219
SECOND FLOW					
E 1	0.0	355.2			
2	3.0	361.1	5.9		
3	6.0	375.8	14.7		
4	9.0	393.4	17.5		

REF	MINUTES	PRESSURE	AP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND FLOW - CONTINUED					
5	12.0	411.5	18.1		
6	15.0	432.3	20.8		
7	18.0	452.0	19.7		
8	21.0	469.3	17.2		
9	24.0	486.2	16.9		
10	27.0	503.1	16.8		
11	30.0	519.6	16.5		
12	33.0	535.0	15.4		
13	36.0	550.4	15.4		
14	39.0	564.2	13.8		
15	42.0	577.3	13.1		
16	45.0	590.5	13.2		
17	48.0	600.5	10.1		
18	51.0	609.4	8.9		
19	54.0	618.9	9.5		
F 20	59.3	637.2	18.3		
SECOND CLOSED-IN					
F 1	0.0	637.2			
2	1.0	825.8	188.6	1.0	1.949
3	2.1	859.8	222.7	2.0	1.647
4	3.0	873.8	236.7	2.9	1.488
5	4.0	885.9	248.8	3.8	1.364
6	5.0	893.8	256.7	4.7	1.274
7	6.0	898.7	261.6	5.6	1.201
8	7.0	903.6	266.4	6.5	1.136
9	8.0	907.3	270.2	7.4	1.082
10	9.0	910.8	273.7	8.2	1.037
11	10.0	913.2	276.0	9.0	0.996
12	12.0	916.7	279.5	10.6	0.925
13	14.0	919.6	282.5	12.1	0.866
14	16.0	922.2	285.0	13.6	0.817
15	18.0	923.7	286.6	15.0	0.774
16	20.0	925.7	288.5	16.3	0.736
17	22.0	927.2	290.1	17.6	0.703
18	24.0	927.9	290.8	18.9	0.673
19	26.0	928.9	291.7	20.1	0.645
20	28.0	930.2	293.0	21.3	0.621
21	30.0	930.5	293.3	22.4	0.598
22	35.0	932.4	295.3	25.1	0.549
23	40.0	934.8	297.6	27.6	0.509
24	45.0	935.2	298.1	29.9	0.474
25	50.0	936.5	299.4	32.0	0.444
26	55.0	936.6	299.5	34.0	0.418
G 27	60.7	936.1	299.0	36.1	0.392

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REMARKS:

TICKET NO: 00880900
 CLOCK NO: 17482 HOUR: 12

GAUGE NO: 7347
 DEPTH: 4327.0



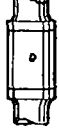















REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B 1	0.0	177.6			
2	2.0	172.4	-5.2		
3	4.0	166.4	-6.0		
4	6.0	204.6	38.3		
5	8.0	215.9	11.3		
6	10.0	231.1	15.1		
7	12.0	246.0	14.9		
8	14.0	261.1	15.1		
9	16.0	276.2	15.0		
10	18.0	291.4	15.2		
11	20.0	308.8	17.4		
12	22.0	325.7	17.0		
13	24.0	340.7	14.9		
14	26.0	356.6	15.9		
15	28.0	370.1	13.5		
C 16	29.7	380.6	10.5		
FIRST CLOSED-IN					
C 1	0.0	380.6			
2	1.0	706.9	326.3	0.9	1.497
3	2.0	831.0	450.4	1.9	1.204
4	3.0	873.0	492.4	2.7	1.035
5	4.0	897.7	517.1	3.5	0.926
6	5.0	910.9	530.3	4.3	0.841
7	6.0	921.6	541.0	5.0	0.774
8	7.0	928.5	547.9	5.6	0.722
9	8.0	934.6	554.0	6.3	0.674
10	9.0	939.5	558.8	6.9	0.634
11	10.0	943.9	563.3	7.5	0.600
12	12.0	949.9	569.3	8.6	0.541
13	14.0	954.3	573.7	9.5	0.495
14	16.0	957.8	577.2	10.4	0.456
15	18.0	960.6	580.0	11.2	0.423
16	20.0	963.1	582.5	12.0	0.395
17	22.0	964.5	583.9	12.6	0.371
18	24.0	966.2	585.6	13.3	0.350
19	26.0	967.9	587.3	13.9	0.331
20	28.0	969.1	588.5	14.4	0.314
21	30.0	969.9	589.3	14.9	0.299
22	35.0	971.5	590.9	16.1	0.267
23	40.0	973.0	592.4	17.0	0.241
D 24	45.3	973.4	592.8	17.9	0.219
SECOND FLOW					
E 1	0.0	392.9			
2	3.0	407.2	14.3		
3	6.0	422.1	14.9		

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND FLOW - CONTINUED					
4	9.0	439.8	17.7		
5	12.0	456.3	16.5		
6	15.0	473.1	16.8		
7	18.0	489.5	16.4		
8	21.0	509.8	20.3		
9	24.0	526.0	16.3		
10	27.0	541.1	15.0		
<input type="checkbox"/> 11	28.8	549.6	8.5		
<input type="checkbox"/> 12	34.2	576.2	26.6		
<input type="checkbox"/> 13	39.9	606.5	30.3		
<input type="checkbox"/> 14	52.2	647.7	41.2		
F 15	59.3	671.2	23.5		
SECOND CLOSED-IN					
F 1	0.0	671.2			
<input type="checkbox"/> 2	4.4	922.1	250.9	4.2	1.327
3	5.0	927.3	256.2	4.7	1.275
4	6.0	934.1	262.9	5.6	1.198
5	7.0	938.4	267.2	6.5	1.136
6	8.0	941.7	270.5	7.4	1.083
7	9.0	944.4	273.2	8.2	1.038
8	10.0	946.6	275.4	9.0	0.994
9	12.0	949.9	278.7	10.6	0.925
10	14.0	952.8	281.7	12.1	0.867
11	16.0	954.8	283.7	13.6	0.817
12	18.0	956.8	285.6	15.0	0.774
13	20.0	957.3	286.2	16.3	0.737
14	22.0	959.0	287.8	17.7	0.702
15	24.0	960.5	289.3	18.9	0.673
16	26.0	961.4	290.2	20.1	0.645
17	28.0	961.9	290.8	21.3	0.621
18	30.0	962.8	291.6	22.4	0.599
19	35.0	963.7	292.6	25.1	0.550
20	40.0	965.2	294.0	27.6	0.509
21	45.0	966.1	295.0	29.9	0.474
22	50.0	967.1	295.9	32.0	0.444
23	55.0	967.8	296.6	34.0	0.418
G 24	60.7	968.3	297.2	36.1	0.392

KCC

LEGEND:
 STAIR-STEP

REMARKS:
 GAUGE WAS "STAIR-STEPPING" DURING THE LAST HALF OF THE SECOND FLOW AND EARLY PORTION OF FINAL CIP.

		O.D.	I.D.	LENGTH	DEPTH	
1		DRILL PIPE.....	4.500	3.826	3563.0	
4		FLEX WEIGHT.....	4.500	2.764	527.0	
50		IMPACT REVERSING SUB.....	5.750	2.750	1.0	4090.5
4		FLEX WEIGHT.....	4.500	2.764	120.0	
5		CROSSOVER.....	4.800	2.760	1.0	
12		DUAL CIP VALVE.....	5.750	0.870	6.0	
60		HYDROSPRING TESTER.....	5.000	0.750	5.0	4222.0
80		AP RUNNING CASE.....	5.000	2.250	4.0	4224.0
15		JAR.....	5.000	1.000	5.0	
16		VR SAFETY JOINT.....	5.000	1.000	3.0	
70		OPEN HOLE PACKER.....	6.750	1.530	6.0	4239.0
70		OPEN HOLE PACKER.....	6.750	1.530	6.0	4245.0
20		FLUSH JOINT ANCHOR.....	5.000	2.440	3.0	
5		CROSSOVER.....	4.800	2.760	1.0	
4		FLEX WEIGHT.....	4.500	2.760	64.0	
5		CROSSOVER.....	4.800	2.760	1.0	
20		FLUSH JOINT ANCHOR.....	5.000	2.440	10.0	
81		BLANKED-OFF RUNNING CASE.....	5.000		4.0	4327.0
TOTAL DEPTH					4330.0	

EQUIPMENT DATA

15-151-21987-00-00

REMIT TO:

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

ORIGINAL



HALLIBURTON SERVICES

INVOICE

A Halliburton Company.

INVOICE NO.	DATE
904013	04/11/1990

WELL/LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
CUNNINGHAM 18-12	PRATT	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
PRATT	ABERCROMBIE #6	CEMENT SURFACE CASING	04/11/1990
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
275568	BEN HORSCE		PO JG6110-102
			SHIPPED VIA
			COMPANY TRUCK
			FILE NO.
			9338

W/O 540539
DIRECT CORRESPONDENCE TO:

ENRON PIPELINE OPERATIONS CO.
P. O. BOX 178
CUNNINGHAM, KS 67035

SUITE 600
COLORADO DERBY BUILDING
WICHITA, KS 67202-0000

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	PRICING AREA - MID CONTINENT MILEAGE	16	MI	2.20	35.20
		1	UNT		
001-016	CEMENTING CASING	193	FT	395.00	395.00
		1	UNT		
030-503	CMTG PLUG LA-11, CP-1, CP-3, TOP	13 3/8	IN	131.00	131.00
		1	EA		
40	CENTRALIZER 13-3/8" MODEL S-4	1	EA	83.00	83.00
807.93079					
504-308	STANDARD CEMENT	200	SK	5.35	1,070.00
509-406	ANHYDROUS CALCIUM CHLORIDE	6	SK	26.25	157.50
507-210	FLOCELE	50	LB	1.23	61.50
500-207	BULK SERVICE CHARGE	212	CFT	.95	201.40
500-306	MILEAGE CMTG MAT DEL OR RETURN	154.64	TMI	.70	108.25
	INVOICE SUBTOTAL				2,242.85
	DISCOUNT - (BID)				336.41
	INVOICE BID AMOUNT				1,906.44
	*-KANSAS STATE SALES TAX				76.29
	*-PRATT COUNTY SALES TAX				17.96
	APPROVAL FOR PAYMENT				
	Co 179 Acct 1070-100 Ctr. 0000				
	Co 179 W/O 540539 PU 34943 CC 07912				
	Desc (20) Cementing				
	Approval [Signature] Date 4-17-90				
	INVOICE TOTAL - PLEASE PAY THIS AMOUNT				\$2,000.69

RECEIVED
 STATE COMMISSION
 JUN 9 2 1990
 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

ORIGINAL



HALLIBURTON SERVICES

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

INVOICE

A Halliburton Company

INVOICE NO.	DATE
904137	04/11/1990

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
CUNNINGHAM 18-12	PRATT	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
PRATT	ABERCROMBIE #6	CEMENT INTERMEDIATE CASING	04/11/1990
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
275568	D R PROSSER		JG6110-103
			SHIPPED VIA
			COMPANY TRUCK
			FILE NO.
			93388

W/O 540539
DIRECT CORRESPONDENCE TO:

ENRON PIPELINE OPERATIONS CO.
P. O. BOX 178
CUNNINGHAM, KS 67035

SUITE 600
COLORADO DERBY BUILDING
WICHITA, KS 67202-0000

PRICE REF. NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
	PRICING AREA - MID CONTINENT				
000-117	MILEAGE	16	MI	2.20	35.20
		1	UNT		
001-016	CEMENTING CASING	1574	FT	879.00	879.00
		1	UNT		
030-016	CEMENTING PLUG 5W ALUM TOP	8 5/8	IN	92.00	92.00
		1	EA		
030-017	CEMENTING PLUG 5W, ALUM BOTTOM	8 5/8	IN	152.00	152.00
		1	EA		
40	CENTRALIZER 8-5/8" MODEL S-4	8	EA	53.00	424.00
807.93059					
320	CEMENT BASKET 8 5/8"	2	EA	122.00	244.00
800.8888					
350	HALLIBURTON WELD-A	1	LB	11.00	11.00
890.10802					
65	LIMIT CLAMP 8 5/8"	1	EA	12.50	12.50
807.6176					
504-308	STANDARD CEMENT	400	SK	5.35	2,140.00
506-105	POZMIX A	400	SK	2.79	1,116.00
506-121	HALLIBURTON-GEL 2%	13	SK	.00	N/C
509-406	ANHYDROUS CALCIUM CHLORIDE	20	SK	26.25	525.00
507-210	FLOCELE	200	LB	1.23	246.00
500-207	BULK SERVICE CHARGE	840	CFT	.95	798.00
500-306	MILEAGE CMTG MAT DEL OR RETURN	562.75	TMI	.70	393.93
APPROVAL FOR PAYMENT					
INVOICE SUBTOTAL	Co 179 Acct 1070 100 Ctr. 0000				7,068.63
DISCOUNT-(BID)	Co 179 WO 540539 PU 34943 CC OTR				1,060.28
INVOICE BID AMOUNT	Approval <i>S. Davis</i> Date 4-11-90				6,008.35
*-KANSAS STATE SALES TAX					214.64
*-PRATT COUNTY SALES TAX					22.34
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$6,282.99

RECEIVED
STATE CORPORATION COMMISSION
JUN 12 1990
WICHITA, KANSAS
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

Pg. 5.10 90

ORIGINAL



APR 23 RECD

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

INVOICE

HALLIBURTON SERVICES

A Halliburton Company

INVOICE NO.	DATE
903945	04/17/1990

WELL/LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
LUNT 18-12	PRATT	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
PRATT	ABERCROMBIE #6	CEMENT PRODUCTION CASING	04/17/1990
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
275568	D R PROSSER		JG 6110-104
SHIPPED VIA			FILE NO.
COMPANY TRUCK			93714

ENRON PIPELINE OPERATIONS CO.
P. O. BOX 178
CUNNINGHAM, KS 67035

W/O 540539
DIRECT CORRESPONDENCE TO:
SUITE 600
COLORADO DERBY BUILDING
WICHITA, KS 67202-0000

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
	PRICING AREA - MID CONTINENT				
000-117	MILEAGE	16	MI	2.20	35.20
		1	UNT		
007-013	MULT STAGE CEMENTING-1ST STAGE	4330	FT	1,089.00	1,089.00
001-016		1	UNT		
007-161	MULT STAGE CEMENTING-ADD STAGE	1	STG	865.00	865.00
		1	UNT		
40	CENTRALIZER 5-1/2" MODEL S-4.	17	EA	44.00	748.00
807.93022					
60	ROTO WALL CLEANER 2 1/8" SPIKE	13	EA	22.00	286.00
807.0007					
71	MULT STAGE CMTR-5-1/2 8RD	1	EA	2,450.00	2,450.00
813.80300					
75	PLUG SET 5 1/2"	1	EA	400.00	400.00
812.0162					
320	CEMENT BASKET 5 1/2"	4	EA	90.00	360.00
800.8883					
350	HALLIBURTON WELD-A	1	LB	11.00	11.00
890.10802					
018-317	SUPER FLUSH	18	SK	74.00	1,332.00
504-316	HALLIBURTON LIGHT W/STANDARD	725	SK	4.82	3,494.50
504-308	STANDARD CEMENT	75	SK	5.35	401.25
506-105	POZMIX A	75	SK	2.79	209.25
506-121	HALLIBURTON-GEL 2%	3	SK	.00	N/C
509-968	SALT	1300	LB	.052	67.60
508-291	GILSONITE	7250	LB	.35	2,537.50
507-665	HALAD-9	261	LB	6.25	1,631.25
507-153	CFR-3	97	LB	3.90	378.30
500-207	BULK SERVICE CHARGE	1039	CFT	.95	987.05
500-306	MILEAGE CMTG MAT DEL OR RETURN	708.84	TMI	.70	496.19
INVOICE SUBTOTAL					17,779.09

RECEIVED
STATE OPERATIONS COMMISSION
Wichita, Kansas
JUN 12 1990
CONSERVATION DIVISION

***** 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, THE ENTIRE AMOUNT DUE SHALL BE DUE BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DUE. CUSTOMER SHALL BE RESPONSIBLE TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST ANNUAL PERCENTAGE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO