

CONTINENTAL OIL COMPANY
CENTRAL ENGINEERING DEPARTMENT
ESTIMATE SUMMARY

W. O. No. _____

Sheet No. _____ Of _____

Project Title EDC FIXED POINT MONITORSLocation VCM Estimator LNW Class of Estimate DEF Capacity _____For _____ Checked By _____ Estimating Hours _____ Original Date 4-25-80Date Requested _____ Approved By _____ % Quoted _____ Rev. No. 1 Date 5-22-

DESCRIPTION	LABOR		MATERIAL \$	SUBCONTRACTS		TOTAL	%
	MH	\$		LABOR	MATERIAL		
EQUIPMENT							
Pressure Vessels							
Towers & Internals							
Exchangers							
Pumps & Compressors							
Furnaces							
ANALYZER			32700				
Total Equipment			32700			32700	
OTHER MATERIALS							
Piping		749	319			1068	
Instruments		4130	6906			11036	
Electrical		4768	1894			6662	
Structural							
Concrete & Site		1319	275			1594	
Insulation							
Painting							
Fireproofing							
Buildings & Equipment							
Total Other Mat.		10966	7394			20360	
Total Direct Cost		10966	42094			53060	
FIELD COST						8663	
HOME OFFICE COST						8557	
ARI SALES TAX						11767	
SUBTOTAL						72047	
CONTINGENCY 8%						5764	
ESCALATION 12%						9189	
TOTAL						87000	

CWH 000010970

44175
270

CENTRAL ENGINEERING DEPARTMENT
INDIRECT COSTS
ESTIMATE SHEET

Sheet No. _____ Of _____

W. O. No. _____

Date 4-25-80

Rev. 1 5-22-80

Project Title EDC FIXED POINT MONITOR

Location _____ By LNW

Class DEF

DESCRIPTION	LABOR		MATERIAL S	SUBCONTRACTS		TOTAL
	AMT	S		LABOR	MATERIAL	
TOTAL DIRECT COSTS			10966	42094		53060
TYPE IV						
Field Costs:						
Supervision & Field Off.	.21	X .6 = .13				
Equipment Rental	.21	X .8 = .17				
Temp. Fac. & Utilities	.12	X .5 = .06				
Small Tools & Consumable	.10	X .3 = .03				
Misc. Testing, Clean-Up	.07	X .75 = .05				
FEE	.15	X 1.0 = .15				
LABOR BURDEN	.15	X 1.0 = .15				
		.79				
Total Field Cost						8663
TYPE IV						
HOME OFFICE COSTS:						
Engineering (EQ & SC)	(.10)(.50)	(32700) = 1635				
(OM)	(.25)(.50)	(20360) = 2545				
Procurement & Expedite	(.03)(.50)	(53060) = 796				
Overheads & Staff	(.08)(.50)	(53060) = 2122				
FEE	(.11)(.25)	(53060) = 1459				
Total Home Office						8557
FEE						
SUBTOTAL						70280
ARI SALESTAX						1767
SUB TOTAL						72047
CONTINGENCY 8%						5764
						77811
SCALATION 12%						9189
						87000

CWH 000010971

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HMJ 000010972

SUMMARY SHEET

Date:

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W.O. N.

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ITEM AND DESCRIPTION		Quantity	UNIT	M.H.	LABOR	MATERIAL	TOTAL COST
					TOTAL	UNIT COST	
ANALYZER (APPLIED AUTOMATION)		1					
OPTICHRON 2100 ANALYZER NO.2 AIR							
MONITOR							
SAMPLE PROBES		1	LOT			11,970	
OPTICHRON 2100 PROGRAMMER		1				11,360	
PRINTER						3,440	
SAMPLE CONDITIONING SYSTEM		1				4,930	
SUB TOTAL							32,700

ITEM AND DESCRIPTION	Quantity	UNIT	LABOR		MATERIAL	TOTAL COST			
			M.H.	TOTAL		LASOR	MATERIAL	TOTAL	
INSTRUMENTATION									
1/4" STAINLESS STEEL TUBING	2686				.45			1209	
1/4" END OF LINE FILTER	10				16.00			160	
FIBER GLASS CHANNELWAY 2X2	1600				1.98			3168	
6 BOTTLE REGULATORS	6				83			498	
TYRAPS	300				14.26/cwt			43	
INSTALL CHANNELWAY.	1600		128		16.52		2115		
INSTALL TUBING (SS)	2686	FT	.02/FT		16.52		888		
6 BOTTLE CONNECTIONS	6		4		16.52		396		
INSTALL END OF LINE FILTER	10		4				66		
INSTALL TUBING AT ANALYZER BUILDING.			16		16.52		265		
SUB TOTAL							3730	5078	
MAT'L X 110%							373	1828	
TOTAL							4103	6906	
PIPING									
4" PIPE COATED & WRAPPED H/S	60'		.26		16.52		258	290	
5 BW	5		2.85		16.52		235		
DOPE & WRAP	60		.65				39		
MAN X 128							681		
MAT'L X 111 LAB X 111							749	319	

0010000 F33

0000109

CWH 000010973

SUMMARY SHEET

Date

Location

W.O. No.

Sheet 2 of 4

By

Project Title

ITEM AND DESCRIPTION		Quantity	UNIT	M.H.	TOTAL	RATE	UNIT COST	LABOR	MATERIAL	TOTAL COST
ELECTRICAL										
1" COATED CONDUIT		286'		.08		17.58	1.77/ft	402	506	
3/4" " "		196		.07		17.58	1.04/ft	241	204	
EXP. PROOF CIRCUIT BREAKER		1					366%		366	
TIE-IN TO ANNUNCIATOR PANEL				4	200			200		
LOCAL EXP. PR. SWITCH w/2 TRIP						100		70	100	
#14 TWISTED PR. SHIELDED		300'		32		17.58	161	563	161	
INSTALL ANALYZERS, CHECK OUT				112		17.58		1969		
SERVICE REP. APPLIED AUTO.							250/PAV	750		
#12 WIRES		1200		.007			1.047	146	56	
SUB-TOTAL								4335	1393	
MATX 10%								433	501	
LABX 1.1										
TOTAL								4768	1894	

CWH 000010974

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SUMMARY SHEET

Date

Location

W.O. No.

Sheet 3 of 4

Project Title

[illegible]

SUMMARY SHEET

2:2

070503

W. O. No.

223.75

404

2

Page 112

16,148	per Phoncon
1175	with Foucox
	6-6-79
9734	add costs
	below to
	estimate.
27,057	
25,885	
1172	add analysis

994322
adding 3,343⁰⁰

Total 4515

6254986

CONTINENTAL OIL COMPANY
CENTRAL ENGINEERING DEPARTMENT
ESTIMATE SUMMARYW. O. No. _____
Sheet No. _____ Of _____
Capacity _____
Original Date 6-2-79
Rev. No. _____ Date _____Project Title EDC FIXED POINT MONITORS
Location VCM Estimator LNW Class of Estimate BUD
For _____ Checked By _____ Estimating Hours _____
Date Requested 6-4-79 Approved By _____ % Oupled _____ Rev. No. _____ Date _____

DESCRIPTION	LABOR		MATERIAL \$	SUBCONTRACTS		TOTAL
	MH	\$		LABOR	MATERIAL	
EQUIPMENT						
Pressure Vessels						
Towers & Internals						
Exchangers						
Pumps & Compressors						
Furnaces			25885			25885
ANALYZER						
Total Equipment			25885			25885
OTHER MATERIALS						
Piping						
Instruments		2120	5275			7395
Electrical		1789	1423			3212
Structural						
Concrete & Site		511	101			612
Insulation						
Painting					250	250
Fireproofing						
Buildings & Equipment		298	6600			6898
Total Other Mat.		4718	13399		250	18367
Total Direct Cost		4718	39284		250	44252
FIELD COST						3020
BOND						546
HOME OFFICE COST						7364
ARI						98
SALES TAX						1571
CONTINGENCY 15%						8528
ESCALATION 8.5%						5621
TOTAL						71000

CWH 000010984

CENTRAL ENGINEERING DEPARTMENT
INDIRECT COSTS
ESTIMATE SHEET

Shoot No. _____ Of _____

W. O. No. _____

Date _____

Rev. _____

Project Title: EDC FIXED POINT MONITORS

Location _____ By _____ Class B4D

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Ameyor 11.6.61 (FIRM QUOTE)

Consequent Chromatograph and program

1152

Handwritten 11.6.61

117522

Deal 11.6.61 (Ameyor)

117522

25,885

Installation

2233'	1/4" Polyethylene tubing	.033/ft	75 ⁰⁰
10	1/4" end of line fitting	13,000 ea	130 ⁰⁰
2300'	Fiberglass channelway 2" x 2" punched type	20/ft	4140 ⁰⁰
-	6 bottle regulators	75 ⁰⁰	450 ⁰⁰

4795

X1.1

5275

Inst. Labor

2300'	Install channelway and tubing	(3)(24)(15.05) =	1084 ⁰⁰
6	Bottle hookup	2(2) 15.05	361 ⁰⁰
-	Install recorder in C.R. Panel	2(8)(15.05)	241
-	Install tubing at analyzer building	2(8) 15.05	241

1927

X1.1

2120

CWH 000010987

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Electrical work

246'	1 1/2" coated conduit	1.27	= 313.8	302
299'	3/4" coated conduit	.70/ft	= 210.8	206
4	#12 wires 100'			43
10	#10 wires 299'	.055/ft		11.5
1	exp. main circuit breaker	300		366 ⁰⁰
75'	3/4" conduit to computer	.70	1.22	67
4	#12' 100'	.036		14

tie in to communications panel

for 5' air conditioning

200' 1/2" conduit

1293

XI.1 1423

200' 1/2" conduit

installed 200' 1/2" conduit

2 x 7' 1/2" conduit

installed in 200' 1/2" conduit

Electrical labor

10	#10 wires 246'	.009/ft	22	15.46 = 345
10	#10 wires 299'	.007/ft	1	7.2
246'	3/4" conduit	.07 MH/ft	21	3.2
246	1 1/2" conduit	.13 MH/ft	17	26.3
-	wire tie-ins analyzer 2 (8MH)		15.46	248
75'	3/4" conduit	(.07 MH/ft)		15.46 = 81
4	#12 wires 100'	(.007 MH/ft)		15.46 = 44

1626

XI.1

1789

Structural (BLDG)

Matl

6X6X3 metal building (Aluminum) 111 - 6600

Faber

Set building 5 (4MH) 13.55 271

Building Foundation

total Structural 298

Matl 6X8X1 = 43/27 = 1.8 yd³ 51.10 - 92

X 1.1 101

Labr 1.8 yd³ x 17MH/6 12.17

- 3373

X 1.1 410

Concrete Total 511

PAINTING

250⁰⁰

CONTINENTAL OIL COMPANY
CENTRAL ENGINEERING DEPARTMENT
ESTIMATE SUMMARY

W. O. No. _____
Sheet No. _____ of _____
Capacity _____
Original Date 4-25-80
Rev. No. 1 Date 5-22-80
2 5-27-80
ALT. 1

Project Title EDC FIXED POINT MONITORS
Location VCM Estimator LNW Class of Estimate DEF
For _____ Checked By _____ Estimating Hours _____
Date Requested _____ Approved By _____ % Quoted _____

DESCRIPTION	LABOR		MATERIAL \$	SUBCONTRACTS		TOTAL	%
	MH	\$		LABOR	MATERIAL		
EQUIPMENT							
Pressure Vessels							
Towers & Internals							
Exchangers							
Pumps & Compressors							
Furnaces							
<u>ANALYZER</u>			<u>32700</u>				
Total Equipment			<u>32700</u>			<u>32700</u>	
OTHER MATERIALS							
Piping							
Instruments		<u>1651</u>	<u>1486</u>			<u>3137</u>	
Electrical		<u>5567</u>	<u>1533</u>			<u>7100</u>	
Structural							
Concrete & Site		<u>844</u>	<u>118</u>			<u>962</u>	
Insulation							
Painting							
Fireproofing							
Buildings & Equipment							
Total Other Mat.		<u>8062</u>	<u>3137</u>			<u>11199</u>	
Total Direct Cost		<u>8062</u>	<u>35837</u>			<u>43899</u>	
FIELD COST						<u>6369</u>	
HOME OFFICE COST						<u>6550</u>	
<u>ARI</u>						<u>77</u>	
<u>SALES TAX</u>						<u>1434</u>	
<u>CONTINGENCY 3%</u>						<u>4667</u>	
<u>ESCALATION 12%</u>						<u>3004</u>	
TOTAL						<u>71000</u>	

CWH 000010992

CENTRAL ENGINEERING DEPARTMENT
INDIRECT COSTS
ESTIMATE SHEET

Sheet No. _____ Of _____

W. O. No. _____

Project Title: EDC FIXED POINT MONITOR

Date 4-25-80

Location _____ By _____ Class _____ Rev. 1 5-22-09

Rev. 1 5-22-59

2 5-27-80,

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SUMMARY SHEET

By _____

Project Title _____

Date _____

Location _____

W.O. No. _____

Sheet 1 Of 4

566010000 HMD

SUMMARY SHEET

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W.O. No. 100

Sheet 2 of 4

ITEM AND DESCRIPTION	Quantity	UNIT	LABOR			MATERIAL	TOTAL COST
			M.H.	TOTAL	RATE		
INSTALLMENTATION							
1/4" POLYETHYLENE TUBING	2686	FT				.09	
1/4" END OF LINE FILTER	10	EA				16.00	
FIBERGLASS CHANNELWAY 2X2	250	FT				1.98	
6 BOTTLE REGULATORS	6					83	
TYRAPS	700	EA				14.26	
INSTALL CHANNELWAY	250	FT				16.52	
INSTALL TUBING POLYETHYLENE	2680	FT				16.52	
6 BOTTLE CONNECTIONS	6					4	
INSTALL END OF LINE FILTER	10					4	
INSTALL TUBING AT ANALYZER BUILDING						16.52	
SUBTOTAL						1501	1351
MAT'L X 110%. LABOR X 11						150	135
TOTAL							1486

Date _____
Location _____
W.O. No. _____
Sheet _____

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CENTRAL ENGINEERING DEPARTMENT
INDIRECT COSTS
ESTIMATE SHEET

Sheet No. _____ Of _____

W. O. No. _____

Date 4-25-80

Rev. 1 5-22-80

2 5-27-80

Project Title EDC FIXED POINT MONITOR

Location VCN

By 2NW

Class DEF

DESCRIPTION	LABOR		MATERIAL S	SUBCONTRACTS		TOTAL
	MH	S		LABOR	MATERIAL	
TOTAL DIRECT COSTS		8062	32397			40459
Field Costs:						
Supervision & Field Off.	.21 X .67 =	.13				
Equipment Rental	.21 X .8 =	.17				
Temp. Fac. & Utilities	.12 X .5 =	.06				
Small Tools & Consumable	.10 X .8 =	.08				
Misc. Testing, Clean-Up	.07 X .75 =	.05				
FEE	.15 X 1.0 =	.15				
LABOR BURDEN	.15 X 1.0 =	.15				
		.79				
Total Field Cost						63.69
HOME OFFICE COSTS:						
Engineering (EQ & SC)	(.09)(.50)(29260) =	1317				
COM	(.26)(.50)(11199) =	1456				
Procurement & Expedite	(.03)(.50)(40459) =	607				
Overheads & Staff	(.08)(.50)(40459) =	1618				
FEE	(.11)(.25)(40459) =	1113				
Total Home Office						6111
FEE						
SUBTOTAL						53939
ARI						73
SALES TAX						1296
SUBTOTAL						55308
CONTINGENCY 8%						4424
ESCALATION 12%						59732
						7268
						67000

CWH 000010998

CONTINENTAL OIL COMPANY
CENTRAL ENGINEERING DEPARTMENT
ESTIMATE SUMMARY

W. O. No. _____

Sheet No. 01

Project Title EDC FIXED POINT MONITORS

Location VC M

Estimator LNW

Class of Estimate DEF

Capacity _____

For _____

Checked By

Estimating Hours

Original Date 4-25-80

Date Requested _____

Approved By _____

2% Quoted

Rev No 1 Date 5-22-

7-27

DESCRIPTION	LABOR		MATERIAL \$	SUBCONTRACTS		TOTAL	%
	MH	\$		LABOR	MATERIAL		
EQUIPMENT							
Pressure Vessels							
Towers & Internals							
Exchangers							
Pumps & Compressors							
Furnaces			29260				
ANALYZER							
Total Equipment			29260			29260	
OTHER MATERIALS							
Piping							
Instruments		1651	1486			3137	
Electrical		5567	1533			7100	
Structural							
Concrete & Site		844	118			962	
Insulation							
Painting							
Fireproofing							
Buildings & Equipment							
Total Other Mat.		8062	3137			11199	
Total Direct Cost		8062	32397			40459	
FIELD COST						6369	
HOME OFFICE COST						6110	
ARI						73	
SALES TAX						1296	
CONTINGENCY 89%						4424	
ESCALATION 12%						7268	
TOTAL						67000	

CWH 000010999

ITEM AND DESCRIPTION		Quantity	UNIT	M.H.	TOTAL	RATE	UNIT COST	LABOR	MATERIAL	TOTAL COST
INSTRUMENTATION										
1/4" POLYETHYLENE TUBING		2686	FT			.09				242
1/4" END OF LINE FILTER		10	EA			16.00				160
FIBERGLASS CHANNELWAY 2X2		250	FT			1.98				495
6 BOTTLE REEVALATORS		6				83				498
TYRAPS		700	EA			14.24				100
INSTALL CHANNELWAY		250	FT	20		16.52		330		
INSTALL TUBING POLYETHYLENE		2680	FT	101/FT		16.52		444		
6 BOTTLE CONNECTIONS		6		4		16.52		396		
INSTALL END OF LINE FILTER		10		4		66		265		
BUILDING										
INSTALL TUBING AT ANALYZER				16		16.52				
SUBTOTAL								1501		1351
MAT'L XLID 90 LABOR X 11								150		135
TOTAL										1486

CNH 000011001

SUMMARY SHEET

SY _____
Project Title _____
Date _____
Location _____
W.O. No. _____
Sheet 2 of 4

CWH 000011002

SUMMARY SHEET

ITEM AND DESCRIPTION		Quantity	UNIT	M.H.	TOTAL	RATE	UNIT COST	LABOR	MATERIAL	TOTAL COST
ELECTRICAL										
1" COATED CONDUIT		286'	FT	02		1758	1.77/ft	402	506	
3/4" COATED CONDUIT		196		07		1752	1.84/ft	211	204	
EXP PROBE DIRECT READER		1							366	
TIE IN TO EXISTING 2" RIGID					200			200		
LOCAL EXP. READER W/OUT TIE IN		4						70	150	
#14 TWISTED P.R. CHAINED		300'		32		1258		563	161	
INSTALL MINIZERS, CHECK OUT				112		1758		1969		
SERVICE REP APPLIED AUTO						490/HR		1470		
#12 WIRES		1200		007				146	56	
SUBTOTAL								5061	1393	
MATERIAL L/O								5567	1533	

Date _____
 Location _____
 W.O. No. _____
 Sheet 3 of 7

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CWH 000011003

SUMMARY SHEET

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Project Title

Location

W.O. No.

Sheet 4 of 10

C
CONOCO VCM

PPCOPAR
F001TWXA01304015520418ME106
2-ROBERT DAHLGREN 312 E/A

LARRY WEST
CONOCO VCM PLANT
WEST LAKE LA TWX 510 971 7572

ITEM	QTY	DESCRIPTION	NET PRICE
1.1	1	OPTICHEOM 2100 ANALYZER NO.1 VENT GAS	15,195
1.1.1	1	SAMPLE SYSTEM	2,175
1.1.2	1	SAMPLE PROBE	355
1.2	1	OPTICHEOM 2100 ANALYZER NO.2 AIR MONITOR	11,970 ←
1.2.1	1	SAMPLE SYSTEM	4,000
1.2.2	10	SAMPLE PROBES	1,000 ←
1.3	1	OPTICHEOM 2100 PROGRAMMER	11,360 ← 1/2
		PRINTER	3,440 ← 1/2
		OPTIONS	
2.1	1	6 X 8 HOUSE WITH 2 OPTICHEOM 2100 ANALYZERS INSTALLED	11,605
2.1.1	LOT	STEAM HEAT IN HOUSE	1,000
2.2	1	L AND N SPEDOMAX H RECORDER	1,965
2.3	1	L AND N 2-PEN TREND RECORDER	1,745
2.4		SEISCORE VALVES IN LIEU OF MODEL 10 VALVE	
2.4.1	LOT	ANALYZER NO.1 - ADD	6,065
2.4.2	LOT	ANALYZER NO.2 - ADD	3,030
2.5	LOT	TEFLON SYSTEM IN AND ELECTRICALLY HEATED CABINET - ANALYZER NO.1	3,910
2.6	LOT	PUMPS TO REPLACE ASPIRATOR ANALYZER NO.2 - ADD	2,100 ←
2.7	1	SPECIAL CONOCO SAMPLE SYSTEM IN LIEU OF SAMPLE SYSTEM NO.2	9,505 ←

WRITTEN QUOTATION TO FOLLOW.

ROBERT W. DAHLGREN APPLIED AUTOMATION INC
TWX 910 841 2560 OR TELEX 492455
BARTLESVILLE OKLA APRIL 18 1980

NNNN

PPNN

CONOCO VCM

Sub. to 20 Jan 1980

9505

*11,970
1,000
11,360
3,440*

*9,505
57,275*

CWH 000011004

C
CONOCO VCM

PPCORAR
PUCITWXAA1104015590418ME100
2-POPERT DAHLGREN 312 E/A

LARRY WEST
CONOCO VCM PLANT
WEST LAKE LA TWX 510 971 7572

ITEM	QTY	DESCRIPTION	NET PRICE
1.1	1	OPTICHRON 2100 ANALYZER NO.1 VENT GAS	15,195
1.1.1	1	SAMPLE SYSTEM	2,175
1.1.2	1	SAMPLE PROPE	355
1.2	1	OPTICHRON 2100 ANALYZER NO.2 AIR MONITOR	11,970
1.2.1	1	SAMPLE SYSTEM	4,930
1.2.2	10	SAMPLE PROPS	1,000
1.3	1	OPTICHRON 2100 PROGRAMMER	11,360
		OPTIONS	
2.1	1	6 X 8 HOUSE WITH 2 OPTICHRON 2100 ANALYZERS INSTALLED	11,605 NO
2.1.1	LOT	STEAM HEAT IN HOUSE	1,060 NO
2.2	1	L AND N SPEDOMAX H RECORDER	1,965
2.3	1	L AND V 2-PEN TREND RECORDER	1,745
2.4		SEISCORE VALVES IN LIEU OF MODEL 10 VALVE	
2.4.1	LOT	ANALYZER NO.1 - ADD	6,065
2.4.2	LOT	ANALYZER NO.2 - ADD	2,030
2.5	LOT	TEFLON SYSTEM IN AND ELECTRICALLY HEATED CAPINENT - ANALYZER NO.1	3,910
2.6	LOT	PUMPS TO REPLACE ASPIRATOR ANALYZER NO.2 - ADD	3,100
2.7	1	SPECIAL CONOCO SAMPLE SYSTEM IN LIEU OF SAMPLE SYSTEM NO.2	9,505

WRITTEN QUOTATION TO FOLLOW.

ROBERT W. DAHLGREN APPLIED AUTOMATION INC
TWX 910 841 2560 OR TELEF 492455
PARTLESVILLE OKLA APRIL 18 1980

NNNN

PGXX

CONOCO VCM

44895
CWH 000011005

LEEDS & NO. 1UP
A UNIT OF GENERAL SIGNAL
Wales, PA 19454

CUSTOMER ORDER

CKING LIST AND
KNOWLEDGMENT COPY

ORDER NO. 3040	VENDOR NO.	CUSTOMER ORDER NO. A-928632-Y	CHK. NO.	CUSTOMER'S REQUISITION NO.	PAGE NO. 1
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ST. NO. 28136

APPLIED AUTOMATION INC
IFG BLDG
AIRPORT ROAD
BARTLESVILLE OKLAHOMA

74004

B I L L T O	EST. NO.	INVOICE NO.
	Po # 011-1-111 827-2-64	

CEOR NO. TUL64231	SIC 2911	PROCESS 766	SALESMAN NO. 16046	EXPENSE ACCOUNT NO.						
PRICE CEOR NO.			2nd SALESMAN	FIELD OFFICE DATE. 40-1-80						
EA	TAX EX. R	TAX CODE B	SHIP FROM	CERT.	ALT. SELL	SEQUENCE NO. 0030	ENTRY MODE N	TRACE NO. 2742799	ORDER CLASS 51	ORDER ENTRY DATE 40-2-80
SEQ. NO.	DATE		WEIGHT		TRANSPORTATION CHARGES					

MMS RESCHEDUL (AT)

ARO

S/R NO.	LOCATION	L & N PART NO.	DESCRIPTION		QUANTITY ORDERED	* QUANTITY SHIPPED	* QUANTITY BACK ORDERED
			CUSTOMER ITEM NO.	CUSTOMER PART NO.	UNIT OF STOCK	UNIT OF STOCK	UNIT OF STOCK
04	1810C	002964	RECORDER SPDX M		1	1	—
			1		EA		
			ITEM COUNT	1			

CWH 000011006

RECEIVED
SUBJECT TO INSPECTION
COUNT AND CHECK
OCT 16 1980

CONTINENTAL VCM PLANT
WESTLAKE, LA

PACKING LIST

Items which do not show a quantity in either column are being processed separately for shipment

SK	SIZE OF SHIPPING CONTAINER	WEIGHT	PICKED BY & DATE DP-10-13
	408-5		SHIPPED BY & DATE
			SHIP TO ZONE 4

SPECIAL L & N INSTRUCTIONS

TERMS: NET 30 DAYS - NO CASH DISCOUNT
F.O.B. SHIPPING POINT - SUBJECT TO MINIMUM
BILLING

BLANKET ORDER NO 00549



Continental Oil Company
Purchasing Department

Requisition

111827



Subsidiary (if applicable)		Co.	Tax Rate	Tax Exempt	RSN
11-1-11111-2-64		11	7		5-280
P.O. Number (Vendor Ref.)		Vendor No.	Ven/Loc	L/R	OC
11-1-11111-2-64				0288	104
From:		Update	Book	Ship To Code	
1 APPLIED AUTOMATION, INC.				100	
2 C/S Mike McAdams		Company or Subsidiary			
3 10453 Jefferson Highway		UOM PLANT			
4 Baton Rouge LA		RECEIVING DEPARTMENT			
Attn. of:		705 BOX 605			
5		WESTLAKE, LA. 70669			
Requisitioner		Pty. Cd.	Date Required at Dest.	Charge	Buyer Appr.
Jensen Opler			42 9-15-80	3050-8-8278-58-002-00	LNW
Ship Via		FOB	MSR/Expedite		
		Prepaid	Origin	Dest.	
Remarks					
R-101 7 hours ability Control					
Purchasing Dept. Use Only					
Div.	Buyer	Rcvg. Rpt. Req.	Release No.	AFE	Contractor
10	11	12	13	14	15
16	17	18	19	20	21
22	23	24	25	26	27
28	29	30	31	32	33
34	35	36	37	38	39
40	41	42	43	44	45
46	47	48	49	50	51
52	53				
Item No.	Quantity	Unit Code-Abbr.	Price - \$	Per	Commodity Code
1	1	EA	15,195		52 710
					Complete Material Description
					APPLIED AUTOMATION, INC
					OPTICHRON 2100 MICROPRO
					LESCOR-BASED CHROMATOGRAPH
					OPTICHRON 2100 ANALYZER
					#1 VENT GAS
					SAMPLE CONDITIONING
					SYSTEM
					SAMPLE PROBE
					LN 2 PEN TREND RECORDER
					RD 45 TELETYPE WITH FEEDSTOCK
					INTERFERENCE AND SOFTWARE
					ALL ITEMS ABOVE ARE PER
					APPLIED AUTOMATION QUOTE #
					2441208 DATED 4-23-80.

Operating Department Approval(s)

Purchasing Dept. Approval

INDUSTRIAL Construction Company, Inc.

 PHONES { 439-3400
436-9468

• P. O. BOX 5456 •

LAKE CHARLES, LOUISIANA 70606

WE BUILD IT

★

WE CAN MAINTAIN IT
FOR LESS.
 To: Conoco, Inc. - 458313
Westlake,
Louisiana 70669

 DATE: September 29, 1980
Invoice No. 1788
Contract VCM-27
Ref: W. O. No. 00551
Charge No. 3050-8-8550-77-004-00

 Furnishing labor, material and equipment as directed to install EDC fixed point
monitor system for your account as per daily time sheet attached, dated Sept. 26, 1980:

1/2	hr. Timekeeper @\$9.75	\$	4.88
4	hrs. Fitter Fore. @\$14.48		57.92
8	hrs. Fitter & Fitter (W) @\$13.73		109.84
8	hrs. Fitter Appr. @\$8.24		65.92

STR. TIME FIELD LABOR \$ 238.56

Pipefitters Health & Welfare Fund-20 hrs. @67¢	\$	13.40
Pipefitters Pension Plan-20 hrs. @72¢		14.40
Pipefitters ETF-16 hrs. @8¢		1.28

Total Fringe Benefits Straight Time	\$	29.08
Insurance - 9.835% of \$238.56		23.46
Payroll Taxes - 10.160% of \$238.56		24.24
Straight Time Overhead - 15.000% of \$315.34		47.30

Equipment Rental

1 Pickup Truck - 4 hrs. @\$2.50	\$	10.00	\$	10.00
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Profit - 9.000% of \$285.86		25.73
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TOTAL AMOUNT THIS INVOICE	\$	398.37
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CWH 000011008

INDUSTRIAL Construction Company, Inc.

 PHONES { 439-3400
436-9468

• P. O. BOX 5456 •

LAKE CHARLES, LOUISIANA 70606

WE BUILD IT

★

WE CAN MAINTAIN IT

FOR LESS.

 To: Conoco, Inc. - 458313
Westlake,
Louisiana 70669

DATE: September 22, 1980

Invoice No. 1748

Contract No. VCM-27

Ref: W. O. No. 00551

Charge No. 3050-8-8550-77-004-00

Furnishing labor, material and equipment as directed to install EDC Fixed Point Monitor System for your account as per daily time sheets attached, dated Sept. 15, 16, 17, 1980:

6	hrs. Fitter Fore. @\$14.48	\$	86.88	
12	hrs. Fitter & Fitter (W) @\$13.73		164.76	
12	hrs. Fitter Appr. @\$8.24		98.88	
1	hr. Carp. Fore. @\$13.08		13.08	
8	hrs. Laborers @\$8.63		69.04	
3	hrs. Cement Fin. Fore. @\$12.45		37.35	
	STR. TIME FIELD LABOR			\$ 469.99
	Carp. Health & Welfare Fund-1 hr. @70¢	\$	.70	
	Carp. Pension Trust Fund-1 hr. @33¢		.33	
	Carp. ETF-1 hr. @7¢		.07	
	Lab. Health & Welfare Fund-8 hrs. @25¢		2.00	
	Lab. Pension Plan-8 hrs. @27¢		2.16	
	Lab. Training Fund-8 hrs. @5¢		.40	
	Pipefitters Health & Welfare Fund-30 hrs. @67¢		20.10	
	Pipefitters Pension Plan-30 hrs. @72¢		21.60	
	Pipefitters ETF-24 hrs. @8¢		1.92	
	Total Fringe Benefits Straight Time			\$ 49.28
	Insurance - 9.835% of \$469.99			46.22
	Payroll Taxes - 10.160% of \$469.99			47.75
	Straight Time Overhead - 15.000% of \$613.24			91.99
	Equipment Rental			
2	Pickup Trucks - 7 hrs. @\$2.50	\$	17.50	\$ 17.50
	Material - as per attached invoice			77.53
	Profit - 9.000% of \$561.98			50.58
	TOTAL AMOUNT THIS INVOICE			\$ 850.84



Conoco Inc.
Purchasing Department

Requisition

158039

CD A

Subsidiary (if applicable) 0388-P 172 Z		Co.	☐ Tax Rate	☐ Tax Exempt	RSN	
O. Number (Vendor Ref.) 0388-P 172 Z		Vendor No.	Ven/Loc	L/R	OC	Date 9-2-80
From: 1	Update	Book	Ship To Code		Order Type Opt.	
2	Company or Subsidiary					
3	Attn. of					
4	Street					
5	City-State-Zip					
Requisitioner LNW	Ppty. Cd.	Date Required at Dest. CL3 9-5-80	Charge 3050-8-8550-58-002-00	Buyer Appr.		
Ship Via	☐ Prepaid	FOB ☐ Origin	☐ Dest.	☐ MSR/ Expedite		
Remarks EDC Fixed Point Monitor						

Purchasing Dept. Use Only					Provision Codes (Circle)																																																
Div.	Buyer	☐ Rcvg. Rpt. Reqd.	Release No.	AFE	Contractor	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53				
Yard	Prog. Pmt.	Trace Key	Emb. Date	P	FF																																																
☐	☐	☐ Ack	☐ Fol																																																		

Item No.	Quantity	Unit Code-Abbr.	Price -- \$	Per	Commodity Code	Mfr.	Complete Material Description
1	2	20FT JT	9.10	1.5			4" SCH. 80 A-53 GR.B
	1	40FT JT					SMALLS PIPE COATED AND WRAPPED
432							
Rick							
Comp 9-2-80 WRH To Laurel							
CWH 000011010							

Operating Department Approval(s) 	Purchasing Dept. Approval
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INDUSTRIAL Construction Company, Inc.

WE BUILD IT
★
WE CAN MAINTAIN IT
FOR LESS.

PHONES { 439-3400
436-9468

• P. O. BOX 5456 •

LAKE CHARLES, LOUISIANA 70606

To: Conoco, Inc. - 458313
Westlake,
Louisiana 70669

DATE: September 8, 1980
Invoice No. 1650
Contract No. VCM-27
Ref: W. O. No. 00551
Charge No. 3050-8-8550-77-004-00

Furnishing labor, material and equipment as directed to install EDC Fixed Point Monitor System for your account as per daily time sheets attached, dated Sept. 2, 3, 4, 5, 1980:

1	hr. Superintendent @\$15.00	\$	15.00	
1½	hrs. Timekeeper @\$9.75		14.63	
17	hrs. Fitter Fore. @\$14.48		246.16	
32	hrs. Fitter & Fitter (W) @\$13.73		439.36	
32	hrs. Fitter Appr. @\$8.24		263.68	
2	hrs. Laborers @\$8.63		17.26	
1	hr. Flat. Dump Dr. @\$10.18		10.18	
	STR. TIME FIELD LABOR			\$ 1006.27
	Lab. Health & Welfare Fund-2 hrs. @25¢	\$	.50	
	Lab. Pension Plan-2 hrs. @27¢		.54	
	Lab. Training Fund-2 hrs. @5¢		.10	
	Pipefitters Health & Welfare Fund-81 hrs. @67¢		54.27	
	Pipefitters Pension Plan-81 hrs. @72¢		58.32	
	Pipefitters ETF-64 hrs. @8¢		5.12	
	Teamsters Health & Welfare Plan-1 hr. @70¢		.70	
	Total Fringe Benefits Straight Time			\$ 119.55
	Insurance - 9.835% of \$1006.27			98.97
	Payroll Taxes - 10.160% of \$1006.27			102.24
	Straight Time Overhead - 15.000% of \$1327.03			199.05
	<u>Equipment Rental</u>			
1	Flat. Dump Truck - 1 hr. @\$4.50	\$	4.50	
1	Pickup Truck - 17 hrs. @\$2.50		42.50	\$ 47.00
	Profit - 9.000% of \$1205.32			108.48
	TOTAL AMOUNT THIS INVOICE			\$ 1681.56

CWH 000011011

INDUSTRIAL Construction Company, Inc.

WE BUILD IT

WE CAN MAINTAIN IT
FOR LESS.PHONES { 439-3400
436-9468

• P. O. BOX 5456 •

LAKE CHARLES, LOUISIANA 70606

DATE: September 15, 1980

Invoice No. 1696

Contract No. LCC-78

Ref: W. O. No. 00551

Charge No. 3052-8-8552-77-004-00

To: Conoco, Inc. - 458313
Westlake,
Louisiana 70669

Furnishing labor, material and equipment as directed to install Monitor System for your account as per daily time sheet 9, 10, 11, 12, 1980:

1/2	hr. Superintendent @\$15.00		
2	hrs. Timekeeper @\$9.75		
18	hrs. Fitter Fore. @\$14.48	260.64	
44	hrs. Fitter & Fitter (W) @\$13.73	604.12	
28	hrs. Fitter Appr. @\$8.24	230.72	
2	hrs. Heavy Duty Oper. @\$12.43	24.86	
1	hr. Laborer @\$8.63	8.63	
1/2	hr. Flat. Dump Dr. @\$10.18	5.09	
STR. TIME FIELD LABOR			\$ 1161.06
Lab. Health & Welfare Fund-1 hr. @25¢	\$	.25	
Lab. Pension Plan-1 hr. @27¢		.27	
Lab. Training Fund-1 hr. @5¢		.05	
Oper. Health & Welfare Fund-2 hrs. @65¢		1.30	
Oper. Pension Plan-2 hrs. @\$1.00		2.00	
Oper. Appr. Fund-2 hrs. @10¢		.20	
Pipefitters Health & Welfare Fund-90 hrs. @67¢		60.30	
Pipefitters Pension Plan-90 hrs. @72¢		64.80	
Pipefitters ETF-72 hrs. @8¢		5.76	
Teamsters Health & Welfare Plan-1/2 hr. @70¢		.35	
Total Fringe Benefits Straight Time			\$ 135.28
Insurance - 9.835% of \$1161.06			114.19
Payroll Taxes - 10.160% of \$1161.06			117.96
Straight Time Overhead - 15.000% of \$1528.49			229.27
Equipment Rental			
1	Cutting Rig - 8 hrs. @45¢	\$ 3.60	
1	Flat. Dump Truck - 1/2 hr. @\$4.50	2.25	
1	Pickup Truck - 18 hrs. @\$2.50	45.00	
1	Welding Mach. - 8 hrs. @\$3.00	24.00	
1	Grinder - 8 hrs. @\$1.25	10.00	
			\$ 84.85
Profit - 9.000% of \$1390.33			125.13
TOTAL AMOUNT THIS INVOICE			\$ 1967.74

CWH 000011012