ARCO Crude Oil
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MIDCONTINENT AREA - CRUDE OIL PRICE BULLETIN SUMMARY – March, 1998

This bulletin shows prices and gravity adjustments posted by Atlantic Richfield Company ("ARCO") for purchases of crude oil and condensate.

Effective 7:00 A.M. on the effective dates shown below, and subject to change without notice, Atlantic Richfield Company will pay the following prices per barrel of 42 U.S. Gallons for crude oil or condensate purchased and delivered for its account into the facilities of its authorized receiving agency, and produced in the fields located in the regions listed. Prices are shown for 40 gravity and above, except as noted. All prices may be subject to deductions for trucking and other charges where applicable.

The below prices will be paid only for crude oil and condensate which is of merchantable quality and fit for normal refinery processing, and which is so warranted by the seller. Merchantable crude and condensate is defined as virgin crude and/or condensate, produced from wells, which is free of both injected or other contamination (whether manmade or naturally occurring) or added chemicals containing but not limited to halogenated organic compounds and/or oxygenated compounds.

If any statute or government regulation (whether currently existing or not) limits the price Atlantic Richfield Company can pay, affects the effective dates of these prices, or requires adjustments, including retroactive adjustments, or if any changes are made to entitlement regulations affecting the costs of oil, Atlantic Richfield Company may amend these prices and recover any excess payments or any entitlement adjustments through withholding from payments or by directly invoicing the seller.

Bulletin No. / Effective:	1266 02/26 Price $/Bbl	1267 03/06 Price $/Bbl	1268 03/09 Price $/Bbl	1269 03/13 Price $/Bbl	1270 03/16 Price $/Bbl	1271 03/18 Price $/Bbl	1272 03/23 Price $/Bbl	1273 03/24 Price $/Bbl	1274 03/25 Price $/Bbl	Grav Adj Col
West Texas - New Mexico Intermediate	13.00	12.75	12.00	11.75	11.00	12.00	14.25	13.50	14.00	1
West Texas - New Mexico Sour	11.00	10.75	10.00	9.75	9.00	10.00	12.25	*11.25	11.75	5
South Louisiana (Onshore)	12.75	12.50	11.75	11.50	10.75	*11.50	*13.50	12.75	13.25	4
Texas Gulf Coast (Onshore) (including Brookeland Field)	12.50	12.25	11.50	11.25	10.50	11.50	*13.25	12.50	13.00	1
East Texas	12.75	12.50	11.75	11.50	10.75	11.75	14.00	13.25	13.75	1
South Texas	12.25	12.00	11.25	11.00	10.25	*11.00	*13.00	12.25	12.75	1
North Texas Sour	12.50	12.25	11.50	11.25	10.50	11.50	13.75	13.00	13.50	3
North Texas Sweet	13.00	12.75	12.00	11.75	11.00	12.00	14.25	13.50	14.00	1
Oklahoma Sweet & Northwest Oklahoma	13.00	12.75	12.00	11.75	11.00	12.00	14.25	13.50	14.00	4
Oklahoma Sour	11.15	10.90	10.15	9.90	9.15	10.15	12.40	11.65	12.15	3

	1275 03/26 Price $/Bbl	1276 03/30 Price $/Bbl	1277 03/31 Price $/Bbl	Grav Adj Col	March Average Prices
West Texas - New Mexico Intermediate	14.50	14.00	13.25	1	12.758065
West Texas - New Mexico Sour	12.25	11.75	11.00	5	10.693548
South Louisiana (Onshore)	13.75	13.25	*12.75	4	12.330645
Texas Gulf Coast (Onshore) (including Brookeland Field)	13.50	13.00	*12.50	1	12.120968
East Texas	14.25	13.75	13.00	1	12.508065
South Texas	13.25	12.75	*12.25	1	11.830645
North Texas Sour	14.00	13.50	12.75	3	12.258065
North Texas Sweet	14.50	14.00	13.25	1	12.758065
Oklahoma Sweet & Northwest Oklahoma	14.50	14.00	13.25	4	12.758065
Oklahoma Sour	12.65	12.15	11.40	3	10.908065

* Denotes Exceptions

For a taped summary of ARCO's current crude pricing information, please call (972) 509-6262. If you should have any questions, please call (972) 509-3310.

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MIDCONTINENT AREA - CRUDE OIL PRICE BULLETIN SUMMARY – February, 1998

This bulletin shows prices and gravity adjustments posted by Atlantic Richfield Company ("ARCO") for purchases of crude oil an condensate.

Effective 7:00 A.M. on the effective dates shown below, and subject to change without notice, Atlantic Richfield Company will pay th following prices per barrel of 42 U.S. Gallons for crude oil or condensate purchased and delivered for its account into the facilities of it authorized receiving agency, and produced in the fields located in the regions listed. Prices are shown for 40 gravity and above, except a noted. All prices may be subject to deductions for trucking and other charges where applicable.

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Bulletin No. / Effective	1255 01/30 Price $/Bbl	1256 02/03 Price $/Bbl	1257 02/05 Price $/Bbl	1258 02/10 Price $/Bbl	1259 02/11 Price $/Bbl	1260 02/12 Price $/Bbl	1261 02/17 Price $/Bbl	1262 02/18 Price $/Bbl	Grav Adj Col
West Texas - New Mexico Intermediate	15.00	14.25	14.50	14.25	14.00	13.75	13.50	14.00	1
West Texas - New Mexico Sour	13.00	12.25	12.50	12.25	12.00	11.75	11.50	12.00	5
South Louisiana (Onshore)	14.75	14.00	14.25	14.00	13.75	13.50	13.25	13.75	4
Texas Gulf Coast (Onshore) (including Brookeland Field)	14.50	13.75	14.00	13.75	13.50	13.25	13.00	13.50	1
East Texas	14.75	14.00	14.25	14.00	13.75	13.50	13.25	13.75	1
South Texas	14.25	13.50	13.75	13.50	13.25	13.00	12.75	13.25	1
North Texas Sour	14.50	13.75	14.00	13.75	13.50	13.25	13.00	13.50	3
North Texas Sweet	15.00	14.25	14.50	14.25	14.00	13.75	13.50	14.00	1
Oklahoma Sweet & Northwest Oklahoma	15.00	14.25	14.50	14.25	14.00	13.75	13.50	14.00	4
Oklahoma Sour	13.15	12.40	12.65	12.40	12.15	11.90	11.65	12.15	3

Bulletin No. / Effective	1263 02/19 Price $/Bbl	1264 02/23 Price $/Bbl	1265 02/25 Price $/Bbl	1266 02/26 Price $/Bbl	Grav Adj Col	February Average Prices
West Texas - New Mexico Intermediate	13.75	13.00	13.25	13.00	1	13.883929
West Texas - New Mexico Sour	11.75	11.00	11.25	11.00	5	11.883929
South Louisiana (Onshore)	13.50	12.75	13.00	12.75	4	13.633929
Texas Gulf Coast (Onshore) (including Brookeland Field)	13.25	12.50	12.75	12.50	1	13.383929
East Texas	13.50	12.75	13.00	12.75	1	13.633929
South Texas	13.00	12.25	12.50	12.25	1	13.133929
North Texas Sour	13.25	12.50	12.75	12.50	3	13.383929
North Texas Sweet	13.75	13.00	13.25	13.00	1	13.883929
Oklahoma Sweet & Northwest Oklahoma	13.75	13.00	13.25	13.00	4	13.883929
Oklahoma Sour	11.90	11.15	11.40	11.15	3	12.033929

* Denotes Exceptions

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MIDCONTINENT AREA - CRUDE OIL PRICE BULLETIN SUMMARY – January, 1998

This bulletin shows prices and gravity adjustments posted by Atlantic Richfield Company ("ARCO") for purchases of crude oil and condensate.

Effective 7:00 A.M. on the effective dates shown below, and subject to change without notice, Atlantic Richfield Company will pay the following prices per barrel of 42 U.S. Gallons for crude oil or condensate purchased and delivered for its account into the facilities of its authorized receiving agency, and produced in the fields located in the regions listed. Prices are shown for 40 gravity and above, except as noted. All prices may be subject to deductions for trucking and other charges where applicable.

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Bulletin No.	1245	1246	1247	1248	1249	1250	1251	1252	
Effective	12/29	01/02	01/05	01/09	01/12	01/22	01/23	01/26	Grav
	Price	Price	Price	Price	Price	Price	Price	Price	Adj
	$/Bbl	$/Bbl	$/Bbl	$/Bbl	$/Bbl	$/Bbl	$/Bbl	$/Bbl	Col
West Texas - New Mexico Intermediate	15.50	15.25	14.75	14.50	14.25	13.75	13.50	14.75	1
West Texas - New Mexico Sour	14.00	13.75	13.25	13.00	*12.25	11.75	11.50	12.75	5
South Louisiana (Onshore)	15.25	15.00	14.50	14.25	14.00	13.50	13.25	14.50	4
Texas Gulf Coast (Onshore) (including Brookeland Field)	15.00	14.75	14.25	14.00	13.75	13.25	13.00	14.25	1
East Texas	15.25	15.00	14.50	14.25	14.00	13.50	13.25	14.50	1
South Texas	14.75	14.50	14.00	13.75	13.50	13.00	12.75	14.00	1
North Texas Sour	15.00	14.75	14.25	14.00	13.75	13.25	13.00	14.25	3
North Texas Sweet	15.50	15.25	14.75	14.50	14.25	13.75	13.50	14.75	1
Oklahoma Sweet & Northwest Oklahoma	15.60	15.25	14.75	14.50	14.25	13.75	13.60	14.75	4
Oklahoma Sour	13.65	13.40	12.90	12.65	12.40	11.90	11.65	12.90	3

Bulletin No.	1253	1254	1255		
Effective:	01/28	01/29	01/30	Grav	JAN
	Price	Price	Price	Adj	Average
	$/Bbl	$/Bbl	$/Bbl	Col	Prices
West Texas - New Mexico Intermediate	15.25	15.75	15.00	1	14.548387
West Texas - New Mexico Sour	13.25	13.75	13.00	5	12.725806
South Louisiana (Onshore)	15.00	15.50	14.75	4	14.298387
Texas Gulf Coast (Onshore) (including Brookeland Field)	14.75	15.25	14.50	1	14.048387
East Texas	15.00	15.50	14.75	1	14.298387
South Texas	14.50	15.00	14.25	1	13.798387
North Texas Sour	14.75	15.25	14.50	3	14.048387
North Texas Sweet	15.25	15.75	15.00	1	14.548387
Oklahoma Sweet & Northwest Oklahoma	15.25	15.75	15.00	4	14.548387
Oklahoma Sour	13.40	13.90	13.15	3	12.698387

* Denotes Exceptions
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MIDCONTINENT AREA - CRUDE OIL PRICE BULLETIN SUMMARY - DECEMBER, 1997

This bulletin shows prices and gravity adjustments posted by Atlantic Richfield Company ("ARCO") for purchases of crude oil and condensate

Effective 7:00 A.M. on the effective dates shown below, and subject to change without notice, Atlantic Richfield Company will pay the following prices per barrel of 42 U.S. Gallons for crude oil or condensate purchased and delivered for its account into the facilities of its authorized receiving agency, and produced in the fields located in the regions listed. Prices are shown for 40 gravity and above, except as noted. All prices may be subject to deductions for trucking and other charges where applicable.
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Bulletin No. / Effective	1237 12/01 Price $/Bbl	1238 12/03 Price $/Bbl	1239 12/04 Price $/Bbl	1240 12/08 Price $/Bbl	1241 12/09 Price $/Bbl	1242 12/10 Price $/Bbl	1243 12/18 Price $/Bbl	Grav Adj Col
West Texas - New Mexico Intermediate	16.50	16.75	16.50	16.75	16.50	16.00	16.25	1
West Texas - New Mexico Sour	*14.75	15.00	14.75	15.00	*15.00	14.50	*14.50	5
South Louisiana (Onshore)	16.25	16.50	16.25	16.50	16.25	15.75	16.00	4
Texas Gulf Coast (Onshore) (including Brookeland Field)	16.00	16.25	16.00	16.25	16.00	15.50	15.75	1
East Texas	16.25	16.50	16.25	16.50	16.25	15.75	16.00	1
South Texas	15.75	16.00	15.75	16.00	15.75	15.25	15.50	1
North Texas Sour	16.00	15.25	16.00	16.25	16.00	15.50	15.75	3
North Texas Sweet	16.50	16.75	16.50	16.75	16.50	16.00	16.25	1
Oklahoma Sweet & Northwest Oklahoma	16.50	16.75	16.50	16.75	16.50	16.00	16.25	4
Oklahoma Sour	14.65	14.90	14.65	14.90	14.65	14.15	14.40	3
Four Corners	****	****	****	****	****	****	****	
Colorado - Nebraska	****	****	****	****	****	****	****	
Wyoming Sweet	****	****	****	****	****	****	****	
Wyoming Sour	****	****	****	****	****	****	****	

Bulletin No. / Effective Date	1244 12/26 Price $/Bbl	1245 12/29 Price $/Bbl	Grav Adj Col	DEC Average Prices
West Texas - New Mexico Intermediate	16.00	15.50	1	16.177419
West Texas - New Mexico Sour	*14.50	14.00	5	14.548387
South Louisiana (Onshore)	15.75	15.25	4	15.927419
Texas Gulf Coast (Onshore) (including Brookeland Field)	15.50	15.00	1	15.677419
East Texas	15.75	15.25	1	15.927419
South Texas	15.25	14.75	1	15.427419
North Texas Sour	15.50	15.00	3	15.677419
North Texas Sweet	16.00	15.50	1	16.177419
Oklahoma Sweet & Northwest Oklahoma	16.00	15.50	4	16.177419
Oklahoma Sour	14.15	13.65	3	14.327419
Four Corners	****	****		
Colorado - Nebraska	****	****		
Wyoming Sweet	****	****		
Wyoming Sour	****	****		

* Denotes Exceptions
****Effective 12/01/97 ARCO has ceased posting the following grades. Four Corners, Colorado-Nebraska, Wyoming Sweet, and Wyoming Sour.

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MIDCONTINENT AREA - CRUDE OIL PRICE BULLETIN SUMMARY - NOVEMBER, 1997- Revised

This bulletin shows prices and gravity adjustments posted by Atlantic Richfield Company ("ARCO") for purchases of crude oil and condensate

Effective 7.00 A.M. on the effective dates shown below, and subject to change without notice, Atlantic Richfield Company will pay the following prices per barrel of 42 U.S. Gallons for crude oil or condensate purchased and delivered for its account into the facilities of its authorized receiving agency, and produced in the fields located in the regions listed. Prices are shown for 40 gravity and above, except as noted. All prices may be subject to deductions for trucking and other charges where applicable.

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Bulletin No Effective*	1221 10/30 Price $/Bbl	1222 11/03 Price $/Bbl	1223 11/04 Price $/Bbl	1224 11/05 Price $/Bbl	1225 11/07 Price $/Bbl	1226 11/10 Price $/Bbl	1227 11/13 Price $/Bbl	1228 11/14 Price $/Bbl	1229 11/17 Price $/Bbl	Grav Adj Col
West Texas - New Mexico Intermediate	19.00	18.75	18.50	18.25	18.50	18.25	18.50	18.75	18.00	1
West Texas - New Mexico Sour	16.25	*17.00	16.75	16.50	16.75	16.50	*16.50	16.75	16.00	5
South Louisiana (Onshore)	18.75	18.50	18.25	18.00	18.25	18.00	18.25	18.50	17.75	4
Texas Gulf Coast (Onshore) (including Brookeland Field)	18.50	18.25	18.00	17.75	18.00	17.75	18.00	18.25	17.50	1
East Texas	18.75	18.50	18.25	18.00	18.25	18.00	18.25	18.50	17.75	1
South Texas	18.25	18.00	17.75	17.50	17.75	17.50	17.75	18.00	17.25	1
North Texas Sour	18.50	18.25	18.00	17.75	18.00	17.75	18.00	18.25	17.50	3
North Texas Sweet	19.00	18.75	18.50	18.25	18.50	18.25	18.50	18.75	18.00	1
Oklahoma Sweet & Northwest Oklahoma	19.00	18.75	18.50	18.25	18.50	18.25	18.50	18.75	18.00	4
Oklahoma Sour	17.15	16.90	16.65	16.40	16.65	16.40	16.65	16.90	16.15	3
Four Corners	18.50	18.25	18.00	17.75	18.00	17.75	18.00	18.25	17.50	1
Colorado - Nebraska	18.50	18.25	18.00	17.75	18.00	17.75	18.00	18.25	17.50	4
Wyoming Sweet	18.50	18.25	18.00	17.75	18.00	17.75	18.00	18.25	17.50	4
Wyoming Sour	15.50	15.25	15.00	14.75	15.00	14.75	15.00	15.25	14.50	2

Bulletin No. Effective Date	1230 11/18 Price $/Bbl	1231 11/19 Price $/Bbl	1232 11/20 Price $/Bbl	1233 11/21 Price $/Bbl	1234 11/24 Price $/Bbl	1235 11/25 Price $/Bbl	1236 11/26 Price $/Bbl	Grav Adj Col	NOV Average Prices
West Texas - New Mexico Intermediate	17.75	17.50	17.00	17.50	17.75	17.50	17.00	1	17.991667
West Texas - New Mexico Sour	*16.00	15.75	15.25	*15.50	*16.00	15.75	*15.00	5	16.066667
South Louisiana (Onshore)	17.50	17.25	16.75	17.25	17.50	17.25	16.75	4	17.741667
Texas Gulf Coast (Onshore) (including Brookeland Field)	17.25	17.00	16.50	17.00	17.25	17.00	16.50	1	17.491667
East Texas	17.50	17.25	16.75	17.25	17.50	17.25	16.75	1	17.741667
South Texas	17.00	16.75	16.25	16.75	17.00	16.75	16.25	1	17.241667
North Texas Sour	17.25	17.00	16.50	17.00	17.25	17.00	16.50	3	17.491667
North Texas Sweet	17.75	17.50	17.00	17.50	17.75	17.50	17.00	1	17.991667
Oklahoma Sweet & Northwest Oklahoma	17.75	17.50	17.00	17.50	17.75	17.50	17.00	4	17.991667
Oklahoma Sour	15.90	15.65	15.15	15.65	15.90	15.65	15.15	3	16.141667
Four Corners	17.25	17.00	16.50	17.00	17.25	17.00	16.50	1	17.491667
Colorado - Nebraska	17.25	17.00	16.50	17.00	17.25	17.00	16.50	4	17.491667
Wyoming Sweet	17.25	17.00	16.50	17.00	17.25	17.00	16.50	4	17.491667
Wyoming Sour	14.25	14.00	13.50	14.00	14.25	14.00	13.50	2	14.491667

* Denotes Exceptions

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