

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

September 1999

CONFIDENTIAL

WELL COMPLETION FORM  
HISTORY - DESCRIPTION OF WELL & LEASE

Form Must Be Typed

ORIGINAL

Operator: License # 5447  
 Name: OXY USA Inc.  
 Address: P.O. Box 2528  
 City/State/Zip: Liberal, KS 67905  
 Purchaser: Williams  
 Operator Contact Person: Vicki Carder  
 Phone: (620) 629-4200  
 Contractor: Name: Cheyenne Drilling, Inc.  
 License: 5382  
 Wellsite Geologist: NA  
 Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl, Cathodic, etc)  
 If Workover/Re-entry: Old Well Info as follows:  
 Operator: \_\_\_\_\_  
 Well Name: \_\_\_\_\_

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API No. 15 - 067-21552-0000  
 County: Grant  
 W/2 - SW - NE - NE Sec 23 Twp. 28 S. R. 36W  
1320 feet from S (N) (circle one) Line of Section  
1250 feet from (E) W (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) (NE) SE NW SW  
 Lease Name: Gano B Well #: 4  
 Field Name: Panoma Council Grove  
 Producing Formation: Council Grove  
 Elevation: Ground: 3073 Kelly Bushing: 3078  
 Total Depth: 3060 Plug Back Total Depth: 2992  
 Amount of Surface Pipe Set and Cemented at 860 feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set \_\_\_\_\_  
 If Alternate II completion, cement circulated from \_\_\_\_\_  
 feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

ACT I WHM 12-19-06

Drilling Fluid Management Plan  
 (Data must be collected from the Reserve Pit)  
 Chloride content 12500 mg/l ppm Fluid volume 800 bbls  
 Dewatering method used Evaporation  
 Location of fluid disposal if hauled offsite:  
 Operator Name: \_\_\_\_\_  
 Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
 Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp, \_\_\_\_\_ S. R.  East  West  
 County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

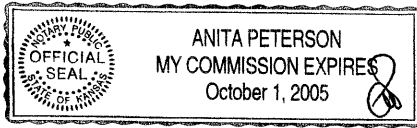
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening  Re-perf.  Conv. To Enhr./SWD  
 Plug Back  Plug Back Total Depth  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?)  Docket No. \_\_\_\_\_  
12/04/03 12/07/03 12/22/03  
 Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 6702, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of 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 geologist well report 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.

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: Vicki Carder  
 Title: Capital Project Date March 26, 2004  
 Subscribed and sworn to before me this 26<sup>th</sup> day of Mar  
20 04  
 Notary Public: Anita Peterson  
 Date Commission Expires: Oct 1, 2005

KCC Office Use Only  
 Letter of Confidentiality Attached  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution



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Side Three

Operator Name: OXY USA Inc. Lease Name: Gano B Well #: 4  
Sec. 23 Twp. 28 S. R. 36W  East  West County: Grant

Name	Top	Datum
Gage	2626	452
Towanda	2652	426
Base Towanda	2683	395
Ft. Riley	2708	370
Base Ft Riley	2766	312
Matfield	2783	295
Wreford	2799	279
Council Grove Grp	2824	254

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Date	12/6/2003
Company	OXY USA
Job Number	2205544374
Well Name	GANO
Well Number	B-4
County	GRANT
State	KS

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Schlumberger

Pipe Size	4 1/2	
Pipe Weight	11.6	11.6
Pipe Depth	3020	0
Shoe Length	46	
Insert Depth	2974	
Hole Size	7 7/8	
Hole Depth	7050	

1st System	
195 sacks	CLASS C
3.3 yield	D29,D79,D46
11 weight	
20.3 water	94.3
cubic ft	644
height	2825
bbls	115

169	Pipe Volume	47
	Annular Volume	123
	Total Cement	186
	Total Water	184

Pipe Factor	0.0155	0.0155
Annular Factor	0.0406	
Height Factor	4.3898	

2nd System	
260 sacks	50/50 Poz CLASS H
1.55 yield	D112,D065,M117,D020,D053,D42,D46
13.8 weight	
7.1 water	44
cubic ft.	403
height	1769
bbls	71.8

Casing lift	2203
Cement lift	914

3rd System	
0 sacks	
0 yield	
0 weight	
0 water	0
cubic ft.	0
height	0
bbls	0

Test 2000 psi

20 ccw

10 Spacer

115 Lead 11

72 Tail 13.8

46.1 Displacement

4th System	
sacks	
yield	
weight	
water	0
cubic ft.	0
height	0
bbls	0

2000 Maximum Pressure

Pump time @ 4 BPM

58 MIN

Customer <b>OXY USA, INC.</b>	Job Number <b>2205544374</b>
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Well <b>GANO B-4</b>		Location (legal) <b>SEC 23-T28S-R36W</b>		Schlumberger Location <b>Perryton, TX</b>		Job Start <b>2003-Dec-06</b>	
Field		Formation Name/Type <b>KCC</b>		Deviation <b>0</b>		Well TVD <b>3,100 ft</b>	
County <b>GRANT CO</b>		State/Province <b>KANSAS</b>		BHP <b>120 °F</b>		Well MD <b>3,100 ft</b>	
Well Master: <b>0630543318</b>		API / UWI:		Casing/Liner		Pore Press. Gradient <b>psi/ft</b>	
Rig Name		Drilled For <b>Oil &amp; Gas</b>		Service Via <b>CONFIDENTIAL</b>		Depth, ft <b>3020</b>	
Offshore Zone		Well Class <b>New</b>		Well Type <b>Development</b>		Size, in <b>4.5</b>	
Drilling Fluid Type		Max. Density <b>lb/gal</b>		Plastic Viscosity <b>cp</b>		Weight, lb/ft <b>11.6</b>	
Service Line <b>Cementing</b>		Job Type <b>Cem Prod Casing</b>		Perforations/Open Hole		Grade <b>psi</b>	
Max. Allowed Tubing Pressure <b>2000 psi</b>		Max. Allowed Ann. Pressure <b>psi</b>		Wellhead Connection <b>4 1/2 HS&amp;M</b>		Thread	
Service Instructions <b>CEMENT 4 1/2 PRODUCTION CASING WITH: 20 BBL CW100 195 SKS CLASS C + 3%D79 + 0.2%D46 + 0.25 PPS D29 260 SKS 50/50 POZ CLASS H + 2%D20 + 3%M117 + 5 PPS D42 + 5 PPS D53 + 0.25% D112 + 0.25% D65 + 0.25% D46 DISPLACE WITH 4 GAL L64 + 1 LB OF B69</b>		Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/>		Total Interval <b>ft</b>	
Lift Pressure: <b>600 psi</b>		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input checked="" type="checkbox"/>		Diameter <b>in</b>	
No. Centralizers:		Top Plugs: <b>1</b>		Bottom Plugs: <b>1</b>		Treat Down <b>Casing</b>	
Cement Head Type: <b>Single</b>		Job Scheduled For: <b>2003-Dec-06 16:30</b>		Arrived on Location: <b>2003-Dec-06 16:30</b>		Displacement <b>46.1 bbl</b>	
Job Scheduled For:		Arrived on Location:		Leave Location:		Packer Type <b>123 bbl</b>	
Casing Tools		Squeeze Job		Shoe Type: <b>Guide</b>		Packer Depth <b>ft</b>	
Shoe Depth: <b>3020 ft</b>		Tool Type:		Stage Tool Type:		Tool Depth: <b>ft</b>	
Collar Type: <b>Auto-Fill</b>		Collar Depth: <b>2974 ft</b>		Squeeze Type:		Tail Pipe Size: <b>in</b>	
Sqz Total Vol: <b>bbl</b>		Stage Tool Depth: <b>ft</b>		Tail Pipe Depth: <b>ft</b>		OpenHole Vol <b>169 bbl</b>	

Date	Time	Treating Pressure psi	Flow Rate bbl/min	CMT STG VOL bbl	CMT VOL bbl	CMT AVG RATE bbl/min	CMT AVG TREAT PRES psi	0	0	Message
2003-Dec-06	21:40	0	0.0	0.0	0.0	0.0	0	0	0	
2003-Dec-06	21:41	5	0.0	0.0	0.0	0.0	0	0	0	
2003-Dec-06	21:41	0	0.0	0.0	0.0	0.0	0	0	0	
2003-Dec-06	21:42	0	0.0	0.0	0.0	0.0	0	0	0	
2003-Dec-06	21:42	5	0.0	0.0	0.0	0.0	0	0	0	
2003-Dec-06	21:43	5	0.0	0.0	0.0	0.0	0	0	0	
2003-Dec-06	21:43	5	0.0	0.0	0.0	0.0	0	0	0	
2003-Dec-06	21:44	5	0.0	0.0	0.0	0.0	0	0	0	
2003-Dec-06	21:44	5	0.0	0.0	0.0	0.0	0	0	0	
2003-Dec-06	21:45	5	0.0	0.0	0.0	0.0	0	0	0	
2003-Dec-06	21:45	398	7.7	0.0	0.0	6.6	271	0	0	
2003-Dec-06	21:46	18	0.0	0.0	0.0	6.5	287	0	0	
2003-Dec-06	21:46	9	0.0	0.0	0.0	6.5	287	0	0	
2003-Dec-06	21:47	9	0.0	0.0	0.0	6.5	287	0	0	
2003-Dec-06	21:47	9	0.0	0.0	0.0	6.5	287	0	0	
2003-Dec-06	21:48	5	0.0	0.0	0.0	6.5	287	0	0	
2003-Dec-06	21:48	5	0.0	0.0	0.0	6.5	287	0	0	
2003-Dec-06	21:49	5	0.0	0.0	0.0	6.5	287	0	0	
2003-Dec-06	21:49	5	0.0	0.0	0.0	6.5	287	0	0	
2003-Dec-06	21:50	5	0.0	0.0	0.0	6.5	287	0	0	
2003-Dec-06	21:50	5	0.0	0.0	0.0	6.5	287	0	0	
2003-Dec-06	21:50	5	0.0	0.0	0.0	6.5	287	0	0	

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	2# hr clock	psi	bbl/min	bbl	bbl	bbl/min	psi	0	
2003-Dec-06	21:50								Reset Total, Vol = 0.00 bbl
2003-Dec-06	21:51	5	0.0	0.0	0.0	6.5	287	0	<b>ORIGINAL</b> <b>KCC</b> <b>MAR 25 2004</b>
2003-Dec-06	21:51	5	0.0	0.0	0.0	6.5	287	0	
2003-Dec-06	21:52	211	5.1	1.2	1.2	5.5	226	0	
2003-Dec-06	21:52	224	5.3	3.8	3.8	5.4	226	0	
2003-Dec-06	21:53	243	5.4	6.5	6.5	5.4	228	0	
2003-Dec-06	21:53	252	5.5	9.2	9.2	5.4	233	0	
2003-Dec-06	21:54	247	5.5	11.9	11.9	5.4	238	0	
2003-Dec-06	21:54	270	5.5	14.7	14.7	5.4	240	0	
2003-Dec-06	21:55	279	5.6	17.5	17.5	5.4	245	0	
2003-Dec-06	21:55								
2003-Dec-06	21:55	288	5.6	19.9	19.9	5.5	249	0	
2003-Dec-06	21:55	288	5.6	0.5	20.3	5.5	250	0	
2003-Dec-06	21:56	298	5.7	2.3	22.1	5.5	253	0	
2003-Dec-06	21:56								Start Pumping Spacer
2003-Dec-06	21:56	298	5.7	3.4	23.3	5.5	255	0	
2003-Dec-06	21:56	325	5.8	6.3	26.1	5.5	260	0	
2003-Dec-06	21:57	311	5.8	9.2	29.0	5.5	265	0	
2003-Dec-06	21:57	320	5.8	12.1	31.9	5.6	269	0	
2003-Dec-06	21:58	339	5.9	13.4	33.2	5.6	271	0	
2003-Dec-06	21:58								Reset Total, Vol = 13.36 bbl
2003-Dec-06	21:58	330	5.9	0.7	0.7	5.6	273	0	
2003-Dec-06	21:58								End Spacer
2003-Dec-06	21:58	325	5.9	0.8	0.8	5.6	273	0	
2003-Dec-06	21:58								Start Cement Slurry
2003-Dec-06	21:58								Start Mixing Lead Slurry
2003-Dec-06	21:58	334	5.9	1.0	1.0	5.6	273	0	
2003-Dec-06	21:58	339	5.9	1.7	1.7	5.6	274	0	
2003-Dec-06	21:58	334	5.9	4.6	4.6	5.6	279	0	
2003-Dec-06	21:59	325	6.0	7.6	7.6	5.6	283	0	
2003-Dec-06	21:59	316	6.0	10.6	10.6	5.6	285	0	
2003-Dec-06	22:00	302	6.0	13.6	13.6	5.7	286	0	
2003-Dec-06	22:00	362	6.1	16.6	16.6	5.7	289	0	
2003-Dec-06	22:01	330	6.1	19.6	19.6	5.7	291	0	
2003-Dec-06	22:01	302	6.1	22.7	22.7	5.7	292	0	
2003-Dec-06	22:02	284	6.1	25.7	25.7	5.7	293	0	
2003-Dec-06	22:02	256	6.1	28.8	28.8	5.8	292	0	
2003-Dec-06	22:03	247	6.1	31.8	31.8	5.8	290	0	
2003-Dec-06	22:03	229	6.1	34.9	34.9	5.8	287	0	
2003-Dec-06	22:04	188	6.1	38.0	38.0	5.8	284	0	
2003-Dec-06	22:04	174	6.1	41.0	41.0	5.8	281	0	
2003-Dec-06	22:05	151	6.1	44.2	44.2	5.8	277	0	
2003-Dec-06	22:05	142	6.1	47.2	47.2	5.8	272	0	
2003-Dec-06	22:06	142	6.2	50.3	50.3	5.8	268	0	
2003-Dec-06	22:06	151	6.1	53.4	53.4	5.9	264	0	
2003-Dec-06	22:07	156	6.1	56.4	56.4	5.9	260	0	
2003-Dec-06	22:07	179	6.2	59.5	59.5	5.9	258	0	
2003-Dec-06	22:08	192	6.1	62.6	62.6	5.9	256	0	
2003-Dec-06	22:08	211	6.2	65.7	65.7	5.9	255	0	
2003-Dec-06	22:09	229	6.2	68.7	68.7	5.9	254	0	
2003-Dec-06	22:09	238	6.2	71.8	71.8	5.9	253	0	
2003-Dec-06	22:10	252	6.2	74.9	74.9	5.9	253	0	
2003-Dec-06	22:10	252	6.2	78.0	78.0	5.9	253	0	
2003-Dec-06	22:11	256	6.2	81.2	81.2	5.9	253	0	

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Well		Field		Service Date		Customer		Job Number	
GANO #B-4				03340-Dec-06		OXY USA, INC.		2205044374	
Date	Time	Treating Pressure	Flow Rate	CMT STG VOL	CMT VOL	CMT AVG RATE	CMT AVG TREAT PRES	0	Message
	24 hr clock	psi	bbl/min	bbl	bbl	bbl/min	psi	0	
2003-Dec-06	22:11	261	6.2	84.3	84.3	5.9	254	0	KCC
2003-Dec-06	22:12	284	6.2	87.4	87.4	5.9	254	0	MAR 23 2004
2003-Dec-06	22:12	284	6.2	90.5	90.5	5.9	255	0	
2003-Dec-06	22:13	275	6.3	93.6	93.6	6.0	256	0	CONFIDENTIAL
2003-Dec-06	22:13	293	6.3	96.8	96.8	6.0	256	0	
2003-Dec-06	22:14	284	6.3	99.9	99.9	6.0	257	0	
2003-Dec-06	22:14	288	6.2	103.0	103.0	6.0	257	0	
2003-Dec-06	22:15	288	6.3	106.2	106.2	6.0	258	0	
2003-Dec-06	22:15	284	6.3	109.3	109.3	6.0	258	0	
2003-Dec-06	22:16	279	6.3	112.4	112.4	6.0	258	0	
2003-Dec-06	22:16	279	6.3	115.7	115.7	6.0	259	0	
2003-Dec-06	22:17	288	6.3	118.8	118.8	6.0	259	0	
2003-Dec-06	22:17	288	6.3	121.9	121.9	6.0	260	0	
2003-Dec-06	22:18	302	6.3	125.1	125.1	6.0	261	0	
2003-Dec-06	22:18	316	6.3	128.2	128.2	6.0	261	0	
2003-Dec-06	22:19	316	6.3	131.4	131.4	6.0	262	0	
2003-Dec-06	22:19	316	6.3	134.5	134.5	6.0	263	0	
2003-Dec-06	22:20	316	6.3	137.7	137.7	6.0	264	0	
2003-Dec-06	22:20	316	6.3	140.8	140.8	6.0	265	0	
2003-Dec-06	22:21	311	6.3	144.0	144.0	6.0	266	0	
2003-Dec-06	22:21	316	6.3	147.1	147.1	6.0	267	0	
2003-Dec-06	22:22	316	6.3	150.3	150.3	6.0	268	0	
2003-Dec-06	22:22	320	6.3	153.5	153.5	6.1	268	0	
2003-Dec-06	22:23	330	6.3	156.6	156.6	6.1	269	0	
2003-Dec-06	22:23	320	6.3	159.8	159.8	6.1	270	0	
2003-Dec-06	22:24	316	6.3	162.9	162.9	6.1	271	0	end lead cement
2003-Dec-06	22:24	316	6.3	166.1	166.1	6.1	271	0	start tail
2003-Dec-06	22:25	311	6.3	169.2	169.2	6.1	272	0	
2003-Dec-06	22:25	325	6.3	172.4	172.4	6.1	273	0	
2003-Dec-06	22:26	311	6.3	175.5	175.5	6.1	273	0	
2003-Dec-06	22:26	316	6.3	178.7	178.7	6.1	274	0	
2003-Dec-06	22:27	334	6.3	181.9	181.9	6.1	275	0	
2003-Dec-06	22:27	334	6.3	185.1	185.1	6.1	276	0	
2003-Dec-06	22:28	298	6.3	188.3	188.3	6.1	276	0	
2003-Dec-06	22:28	252	6.3	191.4	191.4	6.1	276	0	
2003-Dec-06	22:29	229	6.3	194.6	194.6	6.1	275	0	
2003-Dec-06	22:29	224	6.3	197.7	197.7	6.1	275	0	
2003-Dec-06	22:30	229	6.3	200.9	200.9	6.1	274	0	
2003-Dec-06	22:30	233	6.3	204.0	204.0	6.1	274	0	
2003-Dec-06	22:31	238	6.3	207.2	207.2	6.1	273	0	
2003-Dec-06	22:31	229	6.3	210.3	210.3	6.1	273	0	
2003-Dec-06	22:32	215	6.3	212.3	212.3	6.1	272	0	
2003-Dec-06	22:32								Reset Total, Vol = 212.29 bbl
2003-Dec-06	22:32	215	6.3	1.1	213.4	6.1	272	0	
2003-Dec-06	22:32	192	6.3	4.3	216.6	6.1	271	0	
2003-Dec-06	22:33	215	6.3	7.4	219.7	6.1	270	0	
2003-Dec-06	22:33	233	6.3	10.5	222.8	6.1	270	0	
2003-Dec-06	22:34	229	6.3	13.7	226.0	6.1	269	0	
2003-Dec-06	22:34	215	6.3	16.8	229.1	6.1	269	0	
2003-Dec-06	22:35	224	6.3	20.0	232.2	6.1	268	0	
2003-Dec-06	22:35	229	6.3	23.1	235.4	6.1	268	0	
2003-Dec-06	22:36	233	6.3	26.2	238.5	6.1	267	0	
2003-Dec-06	22:36	224	6.3	29.4	241.6	6.1	267	0	
2003-Dec-06	22:37	233	6.3	32.5	244.8	6.1	266	0	

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Well		Field			Service Date		Customer		Job Number	
GANO #B-4					03340-Dec-06		OXY USA, INC.		2205544374	
Date	Time	Treating Pressure	Flow Rate	CMT STG VOL	CMT VOL	CMT AVG RATE	CMT AVG TREAT PRES	0	Message	
	24 hr clock	psi	bbl/min	bbl	bbl	bbl/min	psi	0		
2003-Dec-06	22:37	247	6.3	35.6	247.9	6.1	266	0	KCC MAR 2 8 2004	
2003-Dec-06	22:38	243	6.3	38.8	251.0	6.1	266	0		
2003-Dec-06	22:38	233	6.3	41.9	254.2	6.1	265	0	CONFIDENTIAL	
2003-Dec-06	22:39	165	6.0	45.1	257.4	6.1	265	0		
2003-Dec-06	22:39								Reset Total, Vol = 45.22 bbl	
2003-Dec-06	22:39	5	0.0	45.2	257.5	6.1	265	0		
2003-Dec-06	22:39								Reset Total, Vol = 0.00 bbl	
2003-Dec-06	22:39	5	0.0	0.0	0.0	6.1	265	0		
2003-Dec-06	22:39	5	0.0	0.0	0.0	6.1	265	0		
2003-Dec-06	22:40	5	0.0	0.0	0.0	6.1	265	0		
2003-Dec-06	22:40	9	0.0	0.0	0.0	6.1	265	0		
2003-Dec-06	22:41	5	0.0	0.0	0.0	6.1	265	0		
2003-Dec-06	22:41	9	0.0	0.0	0.0	6.1	265	0		
2003-Dec-06	22:42	9	0.0	0.0	0.0	6.1	265	0		
2003-Dec-06	22:42	9	0.0	0.0	0.0	6.1	265	0		
2003-Dec-06	22:43	174	5.2	0.0	0.0	6.1	264	0		
2003-Dec-06	22:43	206	6.8	0.0	0.0	6.1	265	0		
2003-Dec-06	22:44	330	6.8	0.0	0.0	6.1	265	0		
2003-Dec-06	22:44	307	6.3	0.0	0.0	6.1	266	0		
2003-Dec-06	22:45	275	6.3	0.0	0.0	6.1	266	0		
2003-Dec-06	22:45	261	6.3	0.0	0.0	6.1	266	0		
2003-Dec-06	22:46	14	0.0	0.0	0.0	6.1	266	0		
2003-Dec-06	22:46	9	0.0	0.0	0.0	6.1	266	0		
2003-Dec-06	22:47	9	0.0	0.0	0.0	6.1	266	0		
2003-Dec-06	22:47	5	0.0	0.0	0.0	6.1	266	0		
2003-Dec-06	22:48	5	0.0	0.0	0.0	6.1	266	0		
2003-Dec-06	22:48	114	3.0	0.4	0.4	6.1	265	0	end tail slurry	
2003-Dec-06	22:49								Reset Total, Vol = 1.31 bbl	
2003-Dec-06	22:49	110	4.7	1.3	1.3	6.1	264	0	start displacement	
2003-Dec-06	22:49	119	5.9	1.4	1.4	6.1	264	0		
2003-Dec-06	22:49	101	5.8	4.3	4.3	6.1	262	0		
2003-Dec-06	22:50	266	5.9	7.3	7.3	6.1	261	0		
2003-Dec-06	22:50	307	5.9	10.3	10.3	6.1	261	0		
2003-Dec-06	22:51	385	6.0	13.2	13.2	6.1	262	0		
2003-Dec-06	22:51	453	6.0	16.2	16.2	6.1	264	0		
2003-Dec-06	22:52	485	6.1	19.3	19.3	6.1	265	0		
2003-Dec-06	22:52	554	6.1	22.3	22.3	6.1	268	0		
2003-Dec-06	22:53	499	4.5	25.2	25.2	6.1	271	0		
2003-Dec-06	22:53	504	4.5	27.5	27.5	6.1	273	0		
2003-Dec-06	22:54	577	4.5	29.7	29.7	6.1	275	0		
2003-Dec-06	22:54	636	4.5	31.9	31.9	6.1	278	0		
2003-Dec-06	22:55	636	4.5	34.2	34.2	6.0	281	0		
2003-Dec-06	22:55	609	3.0	35.9	35.9	6.0	284	0		
2003-Dec-06	22:56	623	3.0	37.4	37.4	6.0	287	0		
2003-Dec-06	22:56	664	3.0	38.9	38.9	6.0	290	0		
2003-Dec-06	22:57	682	2.9	40.4	40.4	5.9	293	0		
2003-Dec-06	22:57	700	3.0	41.9	41.9	5.9	296	0		
2003-Dec-06	22:58	755	2.9	43.3	43.3	5.9	300	0		
2003-Dec-06	22:58	787	3.0	44.8	44.8	5.9	304	0		
2003-Dec-06	22:59	1666	0.0	45.4	45.4	5.9	306	0		
2003-Dec-06	22:59	1135	0.0	45.4	45.4	5.9	306	0		
2003-Dec-06	23:00	9	0.0	45.4	45.4	5.9	306	0		
2003-Dec-06	23:00	14	0.0	45.4	45.4	5.9	306	0		
2003-Dec-06	23:01	14	0.0	45.4	45.4	5.9	306	0		

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2003-Dec-06	23:01	490	0.0	45.4	45.4	5.9	306	0
2003-Dec-06	23:02	531	1.2	45.5	45.5	5.9	306	0
2003-Dec-06	23:02	691	1.7	46.3	46.3	5.8	309	0
2003-Dec-06	23:03	568	0.0	46.5	46.5	5.8	310	0
2003-Dec-06	23:03	1607	1.0	46.8	46.8	5.8	313	0
2003-Dec-06	23:04	1698	0.0	46.9	46.9	5.8	314	0
2003-Dec-06	23:04	623	0.0	46.9	46.9	5.8	314	0
2003-Dec-06	23:05	37	0.0	46.9	46.9	5.8	314	0
2003-Dec-06	23:05	490	0.0	46.9	46.9	5.8	314	0
2003-Dec-06	23:06	485	0.0	46.9	46.9	5.8	314	0
2003-Dec-06	23:06	481	0.0	46.9	46.9	5.8	314	0
2003-Dec-06	23:07	655	1.6	47.3	47.3	5.8	316	0
2003-Dec-06	23:07	664	1.3	48.1	48.1	5.7	318	0
2003-Dec-06	23:08	1808	0.0	48.6	48.6	5.7	322	0
2003-Dec-06	23:08	1694	0.0	48.6	48.6	5.7	322	0
2003-Dec-06	23:09	0	0.0	48.6	48.6	5.7	322	0
2003-Dec-06	23:09	9	0.0	48.6	48.6	5.7	322	0
2003-Dec-06	23:10	14	0.0	48.6	48.6	5.7	322	0

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Post Job Summary

Average Pump Rates, bpm				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
6		0	6	186		20	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to Breakdown	Volume	Density		
		1600			lb/gal		
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface?	Volume	25 bbl	
0 %	bbl	46.1 bbl	°F	<input type="checkbox"/> Washed Thru Perfs	To	ft	
Customer or Authorized Representative		Schlumberger Supervisor		<input type="checkbox"/> CirculationLost		<input checked="" type="checkbox"/> Job Completed	
Rep, Company		Torres, Octavio					

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**Cementing Service Report**

**KCC ORIGINAL**  
MAR 23 2004

Customer: OXY USA, INC.						Job Number: 2205544373				
Well: GANO B-4			Location (legal): SEC 23-T28S-R36W			Schlumberger Location: Perryton, TX		Job Start: 2003-Dec-05		
Field: GANO B-4		Formation Name/Type: SEC 23-T28S-R36W		Deviation: -	Bit Size: 12.3 in	Well MD: 552 ft	Well TVD: 562 ft			
County: GRANT CO		State/Province: KANSAS		BHP: 1000 psi	BHST: 90 °F	BHCT: 90 °F	Pore Press. Gradient: psi/ft			
Well Master: 0630543318		API / UWI:		Casing/Liner						
Rig Name: CHEYENNE 8	Drilled For: Oil & Gas		Service Via: Land		Depth, ft: 869	Size, in: 8.625	Weight, lb/ft: 24	Grade: K55	Thread: 8RD	
Offshore Zone:		Well Class: New	Well Type: Development		Tubing/Drill Pipe					
Drilling Fluid Type:		Max. Density: lb/gal	Plastic Viscosity: cp		Depth, ft:	Size, in:	Weight, lb/ft:	Grade:	Thread:	
Service Line: Cementing		Job Type: Cem Surface Casing			Perforations/Open Hole					
Max. Allowed Tubing Pressure: 1000 psi		Max. Allowed Ann. Pressure: psi		Wellhead Connection: 8 5/8 HS&M	Top, ft:	Bottom, ft:	spf:	No. of Shots:	Total Interval: ft	
Service Instructions: CEMENT 9 5/8 IN SURFACE CASING WITH: 200 SKS (PANHANDLE LITE CLASS C) + 0.2% D46 + 0.05 PPS D29 150 SKS CLASS C + 2% S001 + 0.25 PPS D29					Treat Down Casing:	Displacement: 52.6 bbl	Packer Type: None	Packer Depth: 0 ft		
					Tubing Vol.:	Casing Vol.:	Annular Vol.:	Open Hole Vol.:		
					bbl:	55 bbl	64 bbl	119 bbl		
Casing/Tubing Secured <input checked="" type="checkbox"/>				1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/>		Casing Tools			Squeeze Job	
Lift Pressure: 200 psi				Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type:	Squeeze Type:	
No. Centralizers: Top Plugs: 1 Bottom Plugs: 0				Cement Head Type: Single		Shoe Depth: 869 ft	Stage Tool Type:		Tool Type:	
Job Scheduled For: Arrived on Location: 2003-Dec-05 0:30 Leave Location: 2003-Dec-05 6:30				Casing Tools		Stage Tool Depth: ft	Collar Type:		Tail Pipe Size: in	
				Casing Tools		Collar Depth: 826 ft	Tail Pipe Depth: ft		Sqz Total Vol: bbl	
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message	
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0		
2003-Dec-05	4:22	5	0.0	6.58	0.0	0	0	0		
2003-Dec-05	4:22								Start Job	
2003-Dec-05	4:22	5	0.0	6.58	0.0	0	0	0		
2003-Dec-05	4:22	787	0.1	6.43	0.3	0	0	0		
2003-Dec-05	4:23	2197	0.0	6.84	0.3	0	0	0		
2003-Dec-05	4:23								Pressure Test Lines	
2003-Dec-05	4:23	2161	0.0	6.84	0.3	0	0	0		
2003-Dec-05	4:23	2110	0.0	6.85	0.3	0	0	0		
2003-Dec-05	4:24	32	0.0	3.27	0.3	0	0	0		
2003-Dec-05	4:24	32	0.0	8.28	0.3	0	0	0		
2003-Dec-05	4:25	82	1.0	8.17	0.4	0	0	0		
2003-Dec-05	4:25								Start Pumping Spacer	
2003-Dec-05	4:25	124	3.1	7.99	0.8	0	0	0		
2003-Dec-05	4:25	206	5.5	8.12	2.9	0	0	0		
2003-Dec-05	4:26	201	5.5	8.06	5.6	0	0	0		
2003-Dec-05	4:26	197	5.5	8.18	8.4	0	0	0		
2003-Dec-05	4:27	192	5.5	8.15	11.1	0	0	0		
2003-Dec-05	4:27	192	5.5	9.53	13.8	0	0	0		
2003-Dec-05	4:28								End Spacer	
2003-Dec-05	4:28	197	5.5	9.73	14.1	0	0	0		
2003-Dec-05	4:28								Reset Total, Vol = 14.31 bbl	
2003-Dec-05	4:28	201	5.5	9.87	14.3	0	0	0		

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Well		Field		Service Date		Customer			Job Number
GANO #B-4				03339-Dec-05		OXY USA, INC.			2205544375
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message
	24 hr clock	psi	bbl/min	lb/gal	bbt	0	0	0	
2003-Dec-05	4:28								Start Mixing Lead Slurry
2003-Dec-05	4:28	206	5.5	10.12	0.3	0	0	0	KCC
2003-Dec-05	4:28	229	5.5	11.63	2.3	0	0	0	
2003-Dec-05	4:28	243	5.5	12.09	5.0	0	0	0	MAR 26 2004
2003-Dec-05	4:29	233	5.5	11.98	7.8	0	0	0	
2003-Dec-05	4:29	224	5.5	11.80	10.5	0	0	0	CONFIDENTIAL
2003-Dec-05	4:30	215	5.5	11.95	13.3	0	0	0	
2003-Dec-05	4:30	211	5.5	12.34	16.0	0	0	0	
2003-Dec-05	4:31	201	5.5	11.80	18.7	0	0	0	
2003-Dec-05	4:31	192	5.5	12.19	21.5	0	0	0	
2003-Dec-05	4:32	188	5.5	12.01	24.2	0	0	0	
2003-Dec-05	4:32	183	5.5	12.03	27.0	0	0	0	
2003-Dec-05	4:33	165	5.5	11.89	29.7	0	0	0	
2003-Dec-05	4:33	169	5.5	11.99	32.5	0	0	0	
2003-Dec-05	4:34	165	5.5	12.07	35.2	0	0	0	
2003-Dec-05	4:34	160	5.5	11.82	38.0	0	0	0	
2003-Dec-05	4:35	151	5.5	11.85	40.7	0	0	0	
2003-Dec-05	4:35	179	5.5	12.53	43.5	0	0	0	
2003-Dec-05	4:36	160	5.5	12.21	46.3	0	0	0	
2003-Dec-05	4:36	169	5.5	12.33	49.0	0	0	0	
2003-Dec-05	4:37	151	5.5	11.76	51.8	0	0	0	
2003-Dec-05	4:37	174	5.5	12.21	54.5	0	0	0	
2003-Dec-05	4:38	146	5.5	11.50	57.2	0	0	0	
2003-Dec-05	4:38	151	5.5	11.89	60.0	0	0	0	
2003-Dec-05	4:39	165	5.5	12.01	62.7	0	0	0	
2003-Dec-05	4:39	151	5.5	11.97	65.5	0	0	0	
2003-Dec-05	4:40	156	5.5	12.03	68.2	0	0	0	
2003-Dec-05	4:40	156	5.5	12.27	71.0	0	0	0	
2003-Dec-05	4:41	165	5.5	12.06	73.7	0	0	0	
2003-Dec-05	4:41	151	5.5	11.94	76.5	0	0	0	
2003-Dec-05	4:42	156	5.5	12.13	79.2	0	0	0	
2003-Dec-05	4:42	156	5.5	12.17	81.9	0	0	0	
2003-Dec-05	4:43	165	5.5	12.19	84.7	0	0	0	
2003-Dec-05	4:43	151	5.5	11.94	87.4	0	0	0	
2003-Dec-05	4:44	137	5.5	11.91	90.2	0	0	0	
2003-Dec-05	4:44	128	5.5	11.51	92.9	0	0	0	
2003-Dec-05	4:45								End Lead Slurry
2003-Dec-05	4:45	60	5.5	21.10	95.5	0	0	0	
2003-Dec-05	4:45	78	5.5	21.06	95.7	0	0	0	
2003-Dec-05	4:45								Reset Total, Vol = 95.66 bbt
2003-Dec-05	4:45								Start Mixing Tail Slurry
2003-Dec-05	4:45	137	5.5	20.26	0.4	0	0	0	
2003-Dec-05	4:45	96	5.5	9.03	2.7	0	0	0	
2003-Dec-05	4:46	119	5.5	10.69	5.5	0	0	0	
2003-Dec-05	4:46	50	1.5	11.89	7.5	0	0	0	
2003-Dec-05	4:47	165	5.5	14.04	9.0	0	0	0	
2003-Dec-05	4:47	224	5.5	15.27	11.8	0	0	0	
2003-Dec-05	4:48	238	5.5	15.55	14.6	0	0	0	
2003-Dec-05	4:48	233	5.5	15.27	17.3	0	0	0	
2003-Dec-05	4:49	197	5.5	14.49	20.1	0	0	0	
2003-Dec-05	4:49	192	5.5	14.07	22.8	0	0	0	
2003-Dec-05	4:50	124	3.8	14.02	24.9	0	0	0	
2003-Dec-05	4:50	206	5.5	15.35	27.2	0	0	0	
2003-Dec-05	4:51	233	5.5	15.51	29.9	0	0	0	

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Well		Field			Service Date		Customer		Job Number
GANO #B-4					03339-Dec-05		OXY USA, INC.		2205544373
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message
	24 hr clock	psi	bbf/min	lb/gal	bbf	0	0	0	
2003-Dec-05	4:51	224	5.5	15.52	32.6	0	0	0	KCC
2003-Dec-05	4:52	197	5.5	14.94	35.4	0	0	0	MAR 25 2004
2003-Dec-05	4:52	201	5.5	14.96	38.1	0	0	0	CONFIDENTIAL
2003-Dec-05	4:53	197	5.5	14.94	40.9	0	0	0	
2003-Dec-05	4:53	188	5.5	14.72	43.6	0	0	0	
2003-Dec-05	4:54	27	0.0	15.39	45.6	0	0	0	
2003-Dec-05	4:54								End Tail Slurry
2003-Dec-05	4:54								Reset Total, Vol = 45.56 bbl
2003-Dec-05	4:54	23	0.0	15.22	45.6	0	0	0	
2003-Dec-05	4:54	23	0.0	15.08	0.0	0	0	0	
2003-Dec-05	4:54	23	0.0	0.56	0.0	0	0	0	
2003-Dec-05	4:55	18	0.0	0.29	0.0	0	0	0	
2003-Dec-05	4:55	23	0.0	0.27	0.0	0	0	0	
2003-Dec-05	4:56	23	0.0	0.27	0.0	0	0	0	
2003-Dec-05	4:56	23	0.0	0.27	0.0	0	0	0	
2003-Dec-05	4:57	18	0.0	0.27	0.0	0	0	0	
2003-Dec-05	4:57	23	0.0	9.33	0.0	0	0	0	
2003-Dec-05	4:58	23	0.0	9.15	0.0	0	0	0	
2003-Dec-05	4:58	23	0.0	9.22	0.0	0	0	0	
2003-Dec-05	4:59	23	0.0	9.20	0.0	0	0	0	
2003-Dec-05	5:00	23	0.0	6.22	0.0	0	0	0	
2003-Dec-05	5:00	23	0.0	4.02	0.0	0	0	0	
2003-Dec-05	5:00	23	0.0	7.62	0.0	0	0	0	
2003-Dec-05	5:00								Drop Top Plug
2003-Dec-05	5:00								Start Displacement
2003-Dec-05	5:00	23	0.0	7.68	0.0	0	0	0	
2003-Dec-05	5:01	46	2.4	9.06	0.0	0	0	0	
2003-Dec-05	5:01	55	6.1	6.86	2.7	0	0	0	
2003-Dec-05	5:02	128	6.6	8.13	6.0	0	0	0	
2003-Dec-05	5:02	128	6.7	8.19	9.3	0	0	0	
2003-Dec-05	5:03	156	6.6	8.02	12.6	0	0	0	
2003-Dec-05	5:03	188	6.6	8.42	15.9	0	0	0	
2003-Dec-05	5:04	128	6.6	8.39	19.2	0	0	0	
2003-Dec-05	5:04	188	6.6	8.39	22.5	0	0	0	
2003-Dec-05	5:05	211	6.6	8.39	25.8	0	0	0	
2003-Dec-05	5:05	215	6.6	8.35	29.2	0	0	0	
2003-Dec-05	5:06	243	6.6	8.23	32.5	0	0	0	
2003-Dec-05	5:06	266	6.6	8.25	35.8	0	0	0	
2003-Dec-05	5:07	293	6.6	8.25	39.1	0	0	0	
2003-Dec-05	5:07	316	6.6	8.27	42.4	0	0	0	
2003-Dec-05	5:08	339	6.6	8.09	45.7	0	0	0	
2003-Dec-05	5:08	188	2.0	8.37	47.3	0	0	0	
2003-Dec-05	5:09	174	2.0	8.38	48.3	0	0	0	
2003-Dec-05	5:09	224	2.0	8.39	49.3	0	0	0	
2003-Dec-05	5:10	252	2.0	8.39	50.3	0	0	0	
2003-Dec-05	5:10	247	2.0	8.39	51.3	0	0	0	
2003-Dec-05	5:11	229	2.0	8.39	52.3	0	0	0	
2003-Dec-05	5:11	256	1.9	8.38	53.3	0	0	0	
2003-Dec-05	5:12	247	1.9	8.39	54.2	0	0	0	
2003-Dec-05	5:12	362	0.0	8.39	54.8	0	0	0	
2003-Dec-05	5:13	233	0.0	8.39	54.8	0	0	0	
2003-Dec-05	5:13	224	0.0	8.39	54.8	0	0	0	
2003-Dec-05	5:14	220	0.0	8.39	54.8	0	0	0	
2003-Dec-05	5:14	27	0.0	8.39	54.8	0	0	0	

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Well		Field		Service Date		Customer		Job Number	
GANO #B-4				03339-Dec-05		OXY USA, INC.		2205544373	
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message
	24 hr clock	psi	bbbl/min	lb/gal	bbbl	0	0	0	KCC
2003-Dec-05	5:15	23	0.0	8.39	54.8	0	0	0	
2003-Dec-05	5:15	23	0.0	8.39	54.8	0	0	0	MAR 26 2004
2003-Dec-05	5:16	23	0.0	8.39	54.8	0	0	0	
2003-Dec-05	5:16	27	0.0	8.04	54.8	0	0	0	CONFIDENTIAL
2003-Dec-05	5:16								End Job
2003-Dec-05	5:16	27	0.0	7.51	54.8	0	0	0	
2003-Dec-05	5:17								Reset Total, Vol = 54.79 bbl
2003-Dec-05	5:17	32	0.0	7.48	54.8	0	0	0	
2003-Dec-05	5:17	27	0.0	7.47	0.0	0	0	0	
Post Job Summary									
Average Pump Rates, bpm					Volume of Fluid Injected, bbl				
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2		
5	0	0	6	129	0	10			
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density			
			500		bbbl	lb/gal			
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface?	Volume	52	bbbl		
%	52.6 bbl	52.6 bbl	°F	<input type="checkbox"/> Washed Thru Perfs	To	ft			
Customer or Authorized Representative			Schlumberger Supervisor						
Rep, Company			Ahrends, Timothy			<input type="checkbox"/> Circulation Lost		<input checked="" type="checkbox"/> Job Completed	

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