

CONFIDENTIAL

KCC
MAR 17 2005

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

RECEIVED
KANSAS CORPORATION COMMISSION

MAR 17 2005

Form ACO-1
September 1999

CONFIDENTIAL

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

CONSERVATION DIVISION
WICHITA, KS

Form Must Be Typed

ORIGINAL

Operator: License # 5447
 Name: OXY USA Inc.
 Address: P.O. Box 2528
 City/State/Zip: Liberal, KS 67905
 Purchaser: NA - Well PA
 Operator Contact Person: Vicki Carder
 Phone: (620) 629-4200
 Contractor: Name: Murfin Drilling Co., Inc.
 License: 30606
 Wellsite Geologist: Marvin T. Harvey, Jr.
 Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl, Cathodic, etc)
 If Workover/Re-entry: Old Well Info as follows:
 Operator: _____
 Well Name: _____

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. _____
12/08/04 12/18/04 01/07/05
 Spud Date or _____ Date Reached TD _____ Completion Date or
 Recompletion Date _____ Recompletion Date _____

API No. 15 - 067-21590-0000
 County: Grant
1 of NE - NE - SE Sec 2 Twp. 28 S. R. 35W
2320 ~~2310~~ feet from (S) N (circle one) Line of Section
458 ~~380~~ feet from (E) W (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE (SE) NW SW
 Lease Name: McMorran B Well #: 1
 Field Name: _____
 Producing Formation: NA
 Elevation: Ground: 3085 Kelly Bushing: 3096
 Total Depth: 5773 Plug Back Total Depth: 4713
 Amount of Surface Pipe Set and Cemented at 1939 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.

Drilling Fluid Management Plan ALT I P&A with
 (Data must be collected from the Reserve Pit) 4-6-07
 Chloride content 1100 mg/l ppm Fluid volume 1650 bbbls
 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.: _____

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.

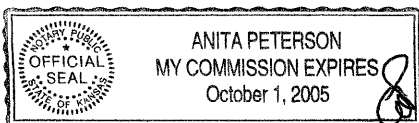
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Vicki Carder
 Title: Capital Project Date March 17, 2005
 Subscribed and sworn to before me this 17th day of March
 20 05
 Notary Public: Anita Peterson
 Date Commission Expires: Oct. 1, 2005

KCC Office Use Only

YES Letter of Confidentiality Attached
 If Denied, Yes Date: _____

_____ Wireline Log Received
 _____ Geologist Report Received
 _____ UIC Distribution



X

Side Two

Operator Name: OXY USA Inc. Lease Name: McMorran B Well #: 1
 Sec. 2 Twp. 28 S. R. 35W East West County: Grant

Instructions: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum	
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Cherokee	4865	-1769	
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Marmaton	4708	-1612	
List All E. Logs Run:	Sonic	Neutron	Lansing	4063	-967
Induction	Microlog	Geological Report	Morrow	5204	-2108
			Heebner	4017	-921
			Chester	5372	-2276
			St. Genevieve	5503	-2407
			St. Louis	5634	-2538

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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					C		
Surface	12 1/4	8 5/8	24	1939	C	620	35/65 POZ + Additives
					C	195	Class C + Additives
Production	7 7/8	4 1/2	11.6	4943	H	240	50/50 POZ + Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing	-			
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug off Zone	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
4	4554-62	Acidize - 19 bbls 15% HCL-FE Acid	
	RDMO Completion Rig 01/08/05 - Pending Plug & Abd		

TUBING RECORD	Size Set At	Packer At	Liner Run
None			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. NA	Producing Method		
	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain) <u>Well to be P&A</u>		
Estimated Production Per 24 Hours	Oil 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 Perf. Dually Comp. Commingled _____

Other (Specify) Well to be P&A

Production Interval: _____



CONFIDENTIAL KCC
Cementing Service Report
 MAR 17 2005

ORIGINAL

Customer OXY USA, INC.	Job Number 2205547355
---------------------------	--------------------------

Well McMorran 'B' 1		Location (legal) Sec 2-T28S-R35W		Schlumberger Location Perryton, TX		Job Start 2004-Dec-09			
Field		Formation Name/Type		Deviation		Well TVD			
County Grant		State/Province Kansas		BHP psi		Well MD 1,941 ft			
Well Master: 0630649665		API / UWI:		BHST 99 °F		BHCT °F			
Rig Name MURFIN 20		Drilled For Oil & Gas		Service Via Land		Casing/Liner			
Offshore Zone		Well Class New		Well Type Development		Depth, ft 1944			
Drilling Fluid Type		Max. Density lb/gal		Plastic Vt: cp		Size, in 8.63			
Service Line Cementing		Job Type Cem Surface Casing		Weight, lb/ft 24		Grade Thread			
Max. Allowed Tubing Pressure psi		Max. Allowed Ann. Pressure psi		Well/Head Connection 8 5/8" H&SM		Perforations/Open Hole			
Service Instructions CEMENT 8 5/8" SURFACE CASING WITH: 10 BBL FRESH WATER 620 SK 35:65 POZ:CLASS C + 6% D020 + 2% S001 + 0.5 pps D029 195 SK CLASS C + 2% S001 + 0.25 pps D029 DISPLACE WITH FRESH WATER		Top, ft		Bottom, ft		Total Interval ft			
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/>		Treat Down Casing		Displacement 121 bbl			
Lift Pressure: 460 psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Packer Type			
No. Centralizers: 5		Top Plugs: 1		Bottom Plugs:		Packer Depth ft			
Cement Head Type: Single		Job Scheduled For: 2004-Dec-09 19:00		Arrived on Location: 2004-Dec-09 19:00		Leave Location: 2004-Dec-09 22:00			
Casing Tools		Shoe Type: Other		Shoe Depth: ft		Squeeze Job			
Stage Tool Type:		Stage Tool Depth: ft		Collar Type: Auto-Fill		Collar Depth: ft			
Tail Pipe Size: in		Tail Pipe Depth: ft		Sqz Total Vol: bbl		Open Hole Vol 283 bbl			
Date	Time	Annulus	Density	Rate	Volume	0	0	0	Message
	24-hr clock	psi	lb/gal	bbbl/min	bbbl	0	0	0	
2004-Dec-09	19:32	0	8.38	0.0	0.0	0	0	0	
2004-Dec-09	19:32								Start Job
2004-Dec-09	19:32	0	8.38	0.0	0.0	0	0	0	
2004-Dec-09	19:32	0	8.38	0.0	0.0	0	0	0	
2004-Dec-09	19:32								Pressure Test Lines
2004-Dec-09	19:32	-5	8.38	0.0	0.0	0	0	0	
2004-Dec-09	19:32								Start Pumping Spacer
2004-Dec-09	19:33	0	8.38	0.0	0.0	0	0	0	
2004-Dec-09	19:34	-5	8.38	0.0	0.0	0	0	0	
2004-Dec-09	19:35	0	8.39	0.0	0.0	0	0	0	
2004-Dec-09	19:36	-5	8.39	0.0	0.0	0	0	0	
2004-Dec-09	19:37	0	8.39	0.0	0.0	0	0	0	
2004-Dec-09	19:38	0	8.39	0.0	0.0	0	0	0	
2004-Dec-09	19:39	-5	8.39	0.0	0.0	0	0	0	
2004-Dec-09	19:40	-5	8.40	0.0	0.0	0	0	0	
2004-Dec-09	19:41	-5	8.40	0.0	0.0	0	0	0	
2004-Dec-09	19:42	0	8.40	0.0	0.0	0	0	0	
2004-Dec-09	19:43	0	8.40	0.0	0.0	0	0	0	
2004-Dec-09	19:44	0	8.40	0.0	0.0	0	0	0	
2004-Dec-09	19:45	-5	8.40	0.0	0.0	0	0	0	
2004-Dec-09	19:46	0	8.40	0.0	0.0	0	0	0	
2004-Dec-09	19:47	0	8.40	0.0	0.0	0	0	0	

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 WICHITA, KS

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Well		Field		Service Date		Customer			Job Number	
McMoran 'B' #1				04344-Dec-09		OXY USA, INC.			2205547355	
Date	Time	Annulus	Density	Rate	Volume	0	0	0	Message	
	24 hr clock	psi	lb/gal	bbl/min	bbl	0	0	0		
2004-Dec-09	19:48	0	8.40	0.0	0.0	0	0	0	KCC MAR 17 2005 CONFIDENTIAL	
2004-Dec-09	19:49	0	8.40	0.0	0.0	0	0	0		
2004-Dec-09	19:50	0	8.32	0.0	0.0	0	0	0		
2004-Dec-09	19:51	0	8.35	0.0	0.2	0	0	0		
2004-Dec-09	19:52	0	8.35	0.0	0.2	0	0	0		
2004-Dec-09	19:53	0	8.35	6.0	3.5	0	0	0		
2004-Dec-09	19:54	0	9.21	6.3	9.7	0	0	0		
2004-Dec-09	19:54	0	9.28	6.3	9.8	0	0	0		
2004-Dec-09	19:54									Reset Total, Vol = 9.78 bbl
2004-Dec-09	19:54	-5	9.40	6.3	0.2	0	0	0		
2004-Dec-09	19:54								End Spacer	
2004-Dec-09	19:54								Start Mixing Lead Slurry	
2004-Dec-09	19:54	0	9.65	6.3	0.7	0	0	0		
2004-Dec-09	19:55	0	11.43	6.5	6.3	0	0	0		
2004-Dec-09	19:56	0	11.66	6.6	13.0	0	0	0		
2004-Dec-09	19:57	0	12.36	6.7	19.7	0	0	0		
2004-Dec-09	19:58	0	12.66	6.9	26.5	0	0	0		
2004-Dec-09	19:59	0	12.25	7.0	33.4	0	0	0		
2004-Dec-09	20:00	0	12.43	7.1	40.4	0	0	0		
2004-Dec-09	20:01	0	12.33	7.1	47.5	0	0	0		
2004-Dec-09	20:02	0	12.24	7.1	54.6	0	0	0		
2004-Dec-09	20:03	0	12.07	6.7	61.5	0	0	0		
2004-Dec-09	20:04	0	11.95	6.7	68.1	0	0	0		
2004-Dec-09	20:05	0	11.61	6.2	74.4	0	0	0		
2004-Dec-09	20:06	0	11.66	6.2	80.6	0	0	0		
2004-Dec-09	20:07	-5	12.11	6.2	86.8	0	0	0		
2004-Dec-09	20:08	0	12.36	6.2	93.1	0	0	0		
2004-Dec-09	20:09	0	12.50	6.2	99.3	0	0	0		
2004-Dec-09	20:10	0	12.57	6.2	105.5	0	0	0		
2004-Dec-09	20:11	0	11.96	6.2	111.7	0	0	0		
2004-Dec-09	20:12	0	12.31	6.2	117.9	0	0	0		
2004-Dec-09	20:13	0	12.17	6.2	124.1	0	0	0		
2004-Dec-09	20:14	0	12.17	6.2	130.4	0	0	0		
2004-Dec-09	20:15	0	12.05	6.3	136.6	0	0	0		
2004-Dec-09	20:16	-5	11.98	6.3	142.9	0	0	0		
2004-Dec-09	20:17	0	12.14	6.2	149.2	0	0	0		
2004-Dec-09	20:18	0	12.37	6.2	155.4	0	0	0		
2004-Dec-09	20:19	-5	12.13	6.3	160.7	0	0	0		
2004-Dec-09	20:20	0	11.94	6.3	167.0	0	0	0		
2004-Dec-09	20:21	0	12.09	6.3	173.3	0	0	0		
2004-Dec-09	20:22	0	12.19	6.2	179.5	0	0	0		
2004-Dec-09	20:23	0	12.26	6.3	185.8	0	0	0		
2004-Dec-09	20:24	0	12.27	6.3	192.1	0	0	0		
2004-Dec-09	20:25	0	12.24	6.2	198.3	0	0	0		
2004-Dec-09	20:26	0	12.19	6.3	204.6	0	0	0		
2004-Dec-09	20:27	0	12.19	6.2	210.8	0	0	0		
2004-Dec-09	20:28	0	12.27	6.2	217.1	0	0	0		
2004-Dec-09	20:29	0	12.32	6.2	223.3	0	0	0		
2004-Dec-09	20:30	0	11.95	6.3	229.5	0	0	0		
2004-Dec-09	20:31	0	12.84	3.0	233.7	0	0	0		
2004-Dec-09	20:32								End Lead Slurry	
2004-Dec-09	20:32	0	14.32	6.8	236.3	0	0	0		
2004-Dec-09	20:32	0	14.36	4.4	236.5	0	0	0		
2004-Dec-09	20:32								Start Mixing Tail Slurry	

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WICHITA, KS

ORIGINAL

Well		Field		Service Date		Customer		Job Number	
McMorran 'B' #1				04344-Dec-09		OXY USA, INC.		2205547355	
Date	Time	Annulus	Density	Rate	Volume	0	0	0	Message
	24 hr clock	psi	lb/gal	bbt/min	bbt	0	0	0	
2004-Dec-09	20:32								Reset Total, Vol = 236.75 bbl
2004-Dec-09	20:32	0	14.43	4.1	236.8	0	0	0	<div style="font-size: 2em; font-weight: bold;">KCC</div> <div style="font-size: 1.5em; font-weight: bold;">MAR 17 2005</div> <div style="font-size: 1.5em; font-weight: bold;">CONFIDENTIAL</div>
2004-Dec-09	20:32	0	14.46	4.1	0.3	0	0	0	
2004-Dec-09	20:33	0	14.75	5.3	4.6	0	0	0	
2004-Dec-09	20:34	0	14.91	4.9	9.7	0	0	0	
2004-Dec-09	20:35	0	14.74	5.0	14.6	0	0	0	
2004-Dec-09	20:36	0	14.75	4.0	19.2	0	0	0	
2004-Dec-09	20:37	0	14.69	4.0	23.2	0	0	0	
2004-Dec-09	20:38	0	14.75	4.0	27.2	0	0	0	
2004-Dec-09	20:39	0	14.88	4.0	31.2	0	0	0	
2004-Dec-09	20:40	0	14.83	4.0	35.2	0	0	0	
2004-Dec-09	20:41	0	15.05	4.0	39.2	0	0	0	
2004-Dec-09	20:42	0	15.07	3.0	42.9	0	0	0	
2004-Dec-09	20:42								End Tail Slurry
2004-Dec-09	20:42	0	13.59	0.3	43.2	0	0	0	
2004-Dec-09	20:42	0	13.39	0.3	43.2	0	0	0	
2004-Dec-09	20:42								Drop Top Plug
2004-Dec-09	20:42								Start Displacement
2004-Dec-09	20:42	0	13.37	0.3	43.2	0	0	0	
2004-Dec-09	20:43	-5	14.27	0.3	43.5	0	0	0	
2004-Dec-09	20:43								Reset Total, Vol = 43.49 bbl
2004-Dec-09	20:43	0	14.27	0.3	0.0	0	0	0	
2004-Dec-09	20:44	0	11.34	0.4	0.4	0	0	0	
2004-Dec-09	20:45	0	8.80	5.5	1.2	0	0	0	
2004-Dec-09	20:46	0	8.41	5.4	6.6	0	0	0	
2004-Dec-09	20:47	0	8.46	5.4	12.0	0	0	0	
2004-Dec-09	20:48	0	8.38	5.4	17.4	0	0	0	
2004-Dec-09	20:49	0	8.39	5.8	22.9	0	0	0	
2004-Dec-09	20:50	0	8.38	5.9	28.8	0	0	0	
2004-Dec-09	20:51	0	8.38	5.9	34.6	0	0	0	
2004-Dec-09	20:52	0	8.37	5.9	40.5	0	0	0	
2004-Dec-09	20:53	-5	8.37	5.9	46.4	0	0	0	
2004-Dec-09	20:54	0	8.37	6.0	52.4	0	0	0	
2004-Dec-09	20:55	0	8.37	5.9	58.4	0	0	0	
2004-Dec-09	20:56	0	8.37	6.0	64.3	0	0	0	
2004-Dec-09	20:57	0	8.37	6.0	70.4	0	0	0	
2004-Dec-09	20:58	0	8.37	6.0	76.4	0	0	0	
2004-Dec-09	20:59	0	8.37	6.0	82.5	0	0	0	
2004-Dec-09	21:00	-5	8.37	6.1	88.5	0	0	0	
2004-Dec-09	21:01	0	8.37	6.1	94.6	0	0	0	
2004-Dec-09	21:02	0	8.37	6.1	100.8	0	0	0	
2004-Dec-09	21:03	0	8.37	6.2	106.9	0	0	0	
2004-Dec-09	21:04	-5	8.37	6.2	113.1	0	0	0	
2004-Dec-09	21:05	0	8.37	2.0	116.5	0	0	0	
2004-Dec-09	21:06	0	8.37	2.4	118.9	0	0	0	
2004-Dec-09	21:07	0	8.37	0.1	121.2	0	0	0	
2004-Dec-09	21:08	0	8.37	0.0	121.2	0	0	0	
2004-Dec-09	21:09	0	8.37	0.0	121.2	0	0	0	
2004-Dec-09	21:09	0	8.37	0.0	0.0	0	0	0	
2004-Dec-09	21:09								End Displacement = 121.2
2004-Dec-09	21:09	0	8.37	0.0	0.0	0	0	0	
2004-Dec-09	21:09								Bump Top Plug
2004-Dec-09	21:09								End Job
2004-Dec-09	21:09	0	8.37	0.0	0.0	0	0	0	

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Well McMorran 'B' #1		Field		Service Date 04344-Dec-09		Customer OXY USA, INC.		Job Number 2205547355	
Date	Time	Annulus	Density	Rate	Volume	0	0	0	Message
	24 hr clock	psi	lb/gal	bbbl/min	bbbl	0	0	0	
2004-Dec-09	21:10	0	8.37	0.0	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		
4	0	0	6	288	0	10			
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density			
500		200	500		bbbl	lb/gal			
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface? Volume 100 bbl <input type="checkbox"/> Washed Thru Perfs To ft					
%	288 bbl	121 bbl	°F						
Customer or Authorized Representative Fillpot, Greg			Schlumberger Supervisor Tan, Naveen			<input type="checkbox"/> CirculationLost		<input checked="" type="checkbox"/> Job Completed	

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ORIGINAL

Schlumberger

Date	12/9/2004
Company	Courson Oil & Gas
Job Number	2205547355
Well Name	McMorran 'B' 1
Well Number	B 1
County	Grant
State	Kansas

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Pipe Size	8 5/8	
Pipe Weight	24	24
Pipe Depth	1944	
Shoe Length	43.08	
Insert Depth	1900.92	
Hole Size	12 1/4	
Hole Depth	1941	

Lead	
620 sacks	36:65 Poz C
2.18 yield	D20,S1,D29
12.2 weight	
12.3 water	182
cubic ft.	1352
height	3275
bbls	241

267	Pipe Volume	124
	Annular Volume	143
	Total Cement	287
	Total Water	332

Hole Volume 283

Pipe Factor	0.0637	0.0637
Annular Factor	0.0735	
Height Factor	2.4231	

Tail	
195 sacks	Class C
1.34 yield	S1,D29
14.8 weight	
6.35 water	29
cubic ft.	261
height	633
bbls	46.5

Casing lift 799
Cement lift 462

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WICHITA, KS

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

Test 2000 psi

Mud

10 Spacer

241 Lead 12.2

47 Tail 14.8

121.1 Displacement

2000 Maximum Pressure

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

Pump time @ 4 BPM

102 MIN

KCG

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ORIGINAL

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Service Order



2004-Dec-19

Customer OXY USA, INC.	Person Taking Call Cusley, John	Down Location Perryton, TX	Order Date 2004-Dec-08	Job Number 2205547355
Well Name and Number McMorran 'E' 1	Legal Location Sec 2-T28S-R35W	County Grant	State/Province Kansas	
Well Master: 0630349365	API / UWI:			
Rig Name MURFIN 20	Well Age New	Sales Engineer Cambren, Charles	Job Type Cem Surface Casing	
Time Well Ready:	Deviation °	Bit Size 12.3 in	Well MD 1,930 ft	Well TVD 1,930 ft
			BHP psi	BHST 99 °F
			BHCT °F	
Treat Down Casing	Packer Type	Packer Depth ft	WellHead Connection 8 5/8" H&SM	HHP on Location
			Max Allowed Pressure	Max Allowed Ann Pressure
Casing				
Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
1930	8.63	24		
Tubing				
Depth,	Size, in	Weight, lb/ft	Grade	Thread
Perforated Intervals				
Top, ft	Bottom, ft	spf	No. of Shots	Total Interval ft
				Diameter in
Expected On Location:		Ready To Pump:		

Services Instructions:
CEMENT 8 5/8" SURFACE CASING WITH:
10 BBL FRESH WATER
620 SK 35:65 POZ: CLASS C + 6% D020 + 2% S001 + 0.5 pps D029
195 SK CLASS C + 2% S001 + 0.25 pps D029
DISPLACE WITH FRESH WATER

Extra Equipment:
1 CemCAT
1 ABT
1 AIRSLIDE
1 PUMP

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MAR 21 2005
CONSERVATION DIVISION
WICHITA, KS

Contact	Voice	Mobile	FAX	Notes
Greg Fillpot		1 620 353 8669		
MURFIN RIG 20		1 785 694 3635		

Notes:
TAKE ONE 8 5/8" TOP PLUG

Directions:
PERRYTON, TX. 80 MI ON HWY 83 NORTH TO SUBLETTE KS, 6 MI HWY 83 NORTH TO HWY 160, T/L, 13 MI WEST HWY 160 TO HWY JCT 190, T/R, 5 1/2 MI NORTH ON CO RD, T/L, WEST INTO LOCATION

Other Notes:
FOLLOW ALL CONVOY POLICIES AND QHSE STANDARDS, REMEMBER THAT YOUR FAMILY WAITS FOR YOU COME BACK SAFE!!!

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Fluid Systems:

LEAD			
620 SK 35:65 POZ:CLASS C + 6% D020 + 2% S001 + 0.5 pps D029			
Density:	12.2	lb/gal	Thickening Time:
Yield:	2.18	ft ³ /sk	
H2O Mix:	12.3	gal/sk	
H2O:	7626	gal	Eq. Sack Weight: 88.9 lb
			Total Blend: 620 sacks
Dowell Code	Conc/ Amount	Total Quantity	
CLASS C	61.1 lbs/sk	37882	
D029	0.5 lbs/sk	310	
D132	27.8 lbs/sk	17236	
D020	5.334 lbs/sk	3307.08	
S001	1.778 lbs/sk	1102.36	

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TAIL			
195 SK CLASS C + 2% S001 + 0.25 pps D029			
Density:	14.8	lb/gal	Thickening Time:
Yield:	1.34	ft ³ /sk	
H2O Mix:	6.353	gal/sk	
H2O:	1238.84	gal	Eq. Sack Weight: 94 lb
			Total Blend: 195 sacks
Dowell Code	Conc/ Amount	Total Quantity	
CLASS C	94 lbs/sk	18330	
D029	0.25 lbs/sk	48.75	
S001	1.88 lbs/sk	366.6	

Customer CONY USA, INC.						Job Number 2205547603					
Well MCMORRAN 'B' 1			Location (legal) Sec 2-T28S-R35W			Schlumberger Location Perryton, TX			Job Start 2004-Dec-19		
Field WILDCAT		Formation Name/Type			Deviation		Bit Size 7.88 in	Well MD 5,775 ft	Well TVD 5,775 ft		
County Grant		State/Province Kansas			BHP psi	BHST 112 °F	BHCT °F	Pore Press. Gradient psi/ft			
Well Master: 0630649665		API / UWI:			Casing/Liner						
Rig Name MURFIN 20		Drilled For Gas		Service Via Inland Waters		Depth, ft 4943	Size, in 4.5	Weight, lb/ft 11.6	Grade	Thread	
Offshore Zone		Well Class New		Well Type Development		Tubing/Drill Pipe					
Drilling Fluid Type		Max. Density lb/gal		Plastic Vi: cp		Depth,	Size, in	Weight, lb/ft	Grade	Thread	
Service Line Cementing		Job Type Cem Prod Casing				Perforations/Open Hole					
Max. Allowed Tubing Pressure psi		Max. Allowed Ann. Pressure psi		Well/Head Connection 4 1/2" H&M		Top, ft	Bottom, ft	spf	No. of Shots	Total Interval ft	
Service Instructions CEMENT PROD 4 1/2" CASING: 20 BBLs CW100 265 sks 50/50 Poz:H + 2%D20 +3%M117 (BWOW)+5 pps D42+5 pps D53+ 0.25% D112 + 0.25%D65 +0.25%D46 L064 & B69 (CHECK WITH GREG BEFORE USING IT)						Diameter in	Treat Down Casing	Displacement 73.1 bbl	Packer Type	Packer Depth ft	
						Tubing Vol. bbl	Casing Vol. 77 bbl	Annular Vol. 201 bbl	Open Hole Vol 277 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: 650 psi		Pipe Rotated <input checked="" type="checkbox"/>				Pipe Reciprocated <input type="checkbox"/>		Shoe Type:		Squeeze Type	
No. Centralizers: Top Plugs: 1 Bottom Plugs: 1		Cement Head Type: Single				Job Scheduled For: 2004-Dec-18 22:00 2004-Dec-19 2:30		Shoe Depth: 4943 ft		Tool Type:	
Stage Tool Type:		Stage Tool Depth: ft				Collar Type:		Tail Pipe Size: in		Tail Pipe Depth: ft	
Collar Depth: 4713 ft		Sqz Total Vol: bbl									
Date	Time	Treating Pressure psi	Flow Rate bbl/min	Volume bbl	CMT DENS lb/gal	Flowmeter Rate bbl/min	Flowmeter Tot bbl	0	0	Message	
2004-Dec-19	0:04	5	0.0	0.0	8.35	0.0	0.0	0	0		
2004-Dec-19	0:04	5	0.0	0.0	8.35	0.0	0.0	0	0		
2004-Dec-19	0:04										
2004-Dec-19	0:04	0	0.0	0.0	8.35	0.0	0.0	0	0	Start Job	
2004-Dec-19	0:05	5	0.0	0.0	8.35	0.0	0.0	0	0	RECEIVED KANSAS CORPORATION COMMISSION MAR 21 2005	
2004-Dec-19	0:05	1053	0.0	0.0	8.35	0.0	0.0	0	0		
2004-Dec-19	0:06	3007	0.0	0.0	8.35	0.0	0.0	0	0	CONSERVATION DIVISION WICHITA, KS	
2004-Dec-19	0:06	2824	0.0	0.0	8.35	0.0	0.0	0	0		
2004-Dec-19	0:07	87	0.0	0.0	8.35	0.0	0.0	0	0		
2004-Dec-19	0:07	298	0.0	0.0	8.35	0.0	0.0	0	0		
2004-Dec-19	0:08	476	0.0	0.0	8.35	0.0	0.0	0	0		
2004-Dec-19	0:08	430	0.0	0.0	8.35	0.0	0.0	0	0		
2004-Dec-19	0:08										
2004-Dec-19	0:08	471	5.7	1.2	8.35	0.0	0.0	0	0	Start Pumping Wash	
2004-Dec-19	0:09	449	5.7	4.1	8.35	0.0	0.0	0	0		
2004-Dec-19	0:09	430	5.7	6.9	8.35	0.0	0.0	0	0		
2004-Dec-19	0:10	444	5.7	9.8	8.35	0.0	0.0	0	0		
2004-Dec-19	0:10	449	5.7	12.6	8.35	0.0	0.0	0	0		
2004-Dec-19	0:11	449	5.7	15.5	8.35	0.0	0.0	0	0		
2004-Dec-19	0:11	73	0.0	16.0	8.35	0.0	0.0	0	0		
2004-Dec-19	0:11									End Wash	
2004-Dec-19	0:11									Reset Total, Vol = 16.04 bbl	

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Well		Field			Service Date		Customer			Job Number
MCMORRAN 'B' #1		WILDCAT			04354-Dec-19		OXY USA, INC.			2205547603
Date	Time	Treating Pressure	Flow Rate	Volume	CMT DENS	Flowmeter Rate	Flowmeter Tot	0	Message	
	24 hr. clock	psi	bbf/min	bbf	lb/gal	bbf/min	bbf	0		
2004-Dec-19	0:37	288	5.5	49.0	14.28	5.1	58.0	0		
2004-Dec-19	0:37	275	5.4	51.7	14.01	5.1	60.5	0		
2004-Dec-19	0:38	256	5.4	54.4	13.88	5.1	63.1	0		
2004-Dec-19	0:38	270	5.4	57.1	13.89	5.0	65.6	0		
2004-Dec-19	0:39	266	5.4	59.9	13.85	5.3	68.2	0		
2004-Dec-19	0:39	266	5.4	62.6	13.85	5.2	70.8	0		
2004-Dec-19	0:40	261	5.4	65.3	13.79	5.2	73.3	0		
2004-Dec-19	0:40	266	5.4	68.0	13.83	5.1	75.9	0		
2004-Dec-19	0:41	256	5.4	70.7	13.81	5.0	78.4	0		
2004-Dec-19	0:41	266	5.4	73.5	13.95	5.1	81.0	0		
2004-Dec-19	0:42	247	5.4	76.2	13.62	5.2	83.5	0		
2004-Dec-19	0:42	41	0.0	78.3	13.91	0.0	85.6	0		
2004-Dec-19	0:43	32	0.0	78.3	13.95	0.0	85.6	0		
2004-Dec-19	0:43								End Cement Slurry	
2004-Dec-19	0:43	32	0.0	78.3	13.95	0.0	85.6	0		
2004-Dec-19	0:43								Reset Total, Vol = 78.31 bbl	
2004-Dec-19	0:43	32	0.0	0.0	13.97	0.0	0.0	0		
2004-Dec-19	0:44	32	0.0	0.0	9.80	3.3	0.3	0		
2004-Dec-19	0:44	32	0.0	0.0	8.60	0.0	0.5	0		
2004-Dec-19	0:45	105	0.0	0.0	9.33	2.0	0.7	0		
2004-Dec-19	0:45	64	0.0	0.0	8.79	5.0	2.9	0		
2004-Dec-19	0:46	243	0.0	0.0	8.47	5.1	4.7	0		
2004-Dec-19	0:46	252	0.0	0.0	8.38	9.4	7.5	0		
2004-Dec-19	0:47	233	0.0	0.0	8.34	0.0	9.7	0		
2004-Dec-19	0:47	247	0.0	0.0	8.35	0.0	11.4	0		
2004-Dec-19	0:48	32	0.0	0.0	8.35	0.0	11.4	0		
2004-Dec-19	0:48	55	1.4	0.1	8.35	0.2	11.4	0		
2004-Dec-19	0:49	211	6.6	1.9	8.35	6.4	13.0	0		
2004-Dec-19	0:49	192	6.6	5.2	8.34	6.5	16.3	0		
2004-Dec-19	0:50	146	6.6	8.5	8.34	6.5	19.5	0		
2004-Dec-19	0:50	128	6.6	11.8	8.33	6.7	22.8	0		
2004-Dec-19	0:51	128	6.6	15.2	8.33	6.5	26.0	0		
2004-Dec-19	0:51	160	6.6	18.5	8.34	6.7	29.3	0		
2004-Dec-19	0:52	156	6.6	21.8	8.34	6.7	32.7	0		
2004-Dec-19	0:52	156	6.6	25.1	8.34	6.8	36.0	0		
2004-Dec-19	0:52	151	6.6	27.4	8.34	6.7	38.4	0		
2004-Dec-19	0:52								Drop Top Plug	
2004-Dec-19	0:52	156	6.6	27.5	8.34	6.7	38.5	0		
2004-Dec-19	0:52								Start Displacement	
2004-Dec-19	0:53	160	6.6	28.4	8.34	6.8	39.4	0		
2004-Dec-19	0:53	156	6.6	31.7	8.34	6.7	31.0	0		
2004-Dec-19	0:54	151	6.6	35.0	8.33	6.7	34.4	0		
2004-Dec-19	0:54	165	6.6	38.3	8.33	6.6	37.7	0		
2004-Dec-19	0:55	156	6.6	41.6	8.33	6.9	41.1	0		
2004-Dec-19	0:55	902	6.5	44.9	8.33	6.5	44.4	0		
2004-Dec-19	0:56	82	3.4	46.7	8.34	3.9	46.4	0		
2004-Dec-19	0:56	174	3.4	48.4	8.34	3.5	48.2	0		
2004-Dec-19	0:57	188	3.4	50.1	8.34	3.5	50.0	0		
2004-Dec-19	0:57	316	3.9	51.8	8.34	4.0	51.8	0		
2004-Dec-19	0:58	330	3.9	53.8	8.33	3.9	53.8	0		
2004-Dec-19	0:58	375	3.9	55.8	8.34	3.8	55.7	0		
2004-Dec-19	0:59	444	3.9	57.7	8.33	3.9	57.7	0		
2004-Dec-19	0:59	476	3.9	59.7	8.33	4.0	59.7	0		
2004-Dec-19	1:00	513	3.9	61.7	8.34	3.9	61.7	0		

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End Cement Slurry

Reset Total, Vol = 78.31 bbl

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WICHITA, KS

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Well		Field			Service Date		Customer		Job Number
MCMORRAN 'B' #1		WILDCAT			04354-Dec-19		OXY USA, INC.		2205547603
Date	Time	Treating Pressure	Flow Rate	Volume	CMT DENS	Flowmeter Rate	Flowmeter Tot	0	Message
	24 hr clock	psi	bbbl/min	bbbl	lb/gal	bbbl/min	bbbl	0	
2004-Dec-19	1:00	398	2.0	62.8	8.34	1.9	62.9	0	KCC MAR 17 2005 CONFIDENTIAL
2004-Dec-19	1:01	430	1.9	63.8	8.34	2.0	63.9	0	
2004-Dec-19	1:01	462	1.9	64.7	8.34	2.0	64.8	0	
2004-Dec-19	1:02	494	2.0	65.7	8.34	2.0	65.8	0	
2004-Dec-19	1:02	526	2.0	66.7	8.34	2.0	66.8	0	
2004-Dec-19	1:03	522	2.0	67.7	8.34	2.0	67.8	0	
2004-Dec-19	1:03	554	1.9	68.6	8.34	2.0	68.8	0	
2004-Dec-19	1:04	572	2.0	69.6	8.34	2.0	69.8	0	
2004-Dec-19	1:04	591	2.0	70.6	8.34	2.0	70.7	0	
2004-Dec-19	1:05	636	2.0	71.6	8.34	2.0	71.7	0	
2004-Dec-19	1:05	623	2.0	72.5	8.34	2.0	72.7	0	
2004-Dec-19	1:06	1254	0.0	73.3	8.34	0.0	73.5	0	
2004-Dec-19	1:06	1254	0.0	73.3	8.34	0.0	73.5	0	
2004-Dec-19	1:06								Bump Top Plug
2004-Dec-19	1:06	1241	0.0	73.3	8.34	0.0	73.5	0	End Displacement
2004-Dec-19	1:06								
2004-Dec-19	1:06	1254	0.0	73.3	8.34	0.0	73.5	0	Reset Total, Vol = 73.28 bbl
2004-Dec-19	1:06								
2004-Dec-19	1:06	1254	0.0	0.0	8.34	0.0	0.0	0	
2004-Dec-19	1:07	1222	0.0	0.0	8.34	0.0	0.0	0	
2004-Dec-19	1:07	476	0.0	0.0	8.34	0.0	0.0	0	
2004-Dec-19	1:08	476	0.0	0.0	8.34	0.0	0.0	0	
2004-Dec-19	1:08	586	1.4	0.6	8.34	0.0	0.0	0	
2004-Dec-19	1:09	1053	0.0	0.8	8.35	0.0	0.0	0	
2004-Dec-19	1:09	1057	0.0	0.8	8.34	0.0	0.0	0	
2004-Dec-19	1:10	1067	0.0	0.8	8.34	0.0	0.0	0	
2004-Dec-19	1:10	1067	0.0	0.8	8.34	0.0	0.0	0	RECEIVED KANSAS CORPORATION COMMISSION
2004-Dec-19	1:11	41	0.0	0.8	8.34	0.0	0.0	0	MAR 21 2005
2004-Dec-19	1:11	41	0.0	0.8	8.34	0.0	0.0	0	
2004-Dec-19	1:12	41	0.0	0.8	8.34	0.0	0.0	0	
2004-Dec-19	1:12	41	0.0	0.8	8.34	0.0	0.0	0	CONSERVATION DIVISION WICHITA, KS
2004-Dec-19	1:13	41	0.0	0.8	8.34	0.0	0.0	0	
2004-Dec-19	1:13	41	0.0	0.8	8.34	0.9	0.3	0	
2004-Dec-19	1:14	41	0.0	0.8	8.34	0.9	0.8	0	
2004-Dec-19	1:14	41	0.0	0.8	8.34	0.9	1.3	0	
2004-Dec-19	1:15	41	0.0	0.8	8.34	0.9	1.7	0	
2004-Dec-19	1:15	41	0.0	0.8	8.34	0.9	2.2	0	
2004-Dec-19	1:16	41	0.0	0.8	8.34	0.9	2.6	0	
2004-Dec-19	1:16	41	0.0	0.8	8.34	0.9	3.1	0	
2004-Dec-19	1:17	41	0.0	0.8	8.34	0.9	3.5	0	
2004-Dec-19	1:17	41	0.0	0.8	8.34	0.9	4.0	0	
2004-Dec-19	1:17	41	0.0	0.8	8.34	0.9	4.1	0	
2004-Dec-19	1:17								End Job
2004-Dec-19	1:17								Float did not hold
2004-Dec-19	1:17	41	0.0	0.8	8.34	0.9	4.1	0	

ORIGINAL

Well MCMORRAN 'B' #1		Field WILDCAT		Service Date 04354-Dec-19		Customer OXY USA, INC.		Job Number 2205547603	
Date	Time 24 hr clock	Treating Pressure psi	Flow Rate bbl/min	Volume bbl	CMT DENS lb/gal	Flowmeter Rate bbl/min	Flowmeter Tot bbl	0	Message
								0	
Post Job Summary									
Average Pump Rates, bpm					Volume of Fluid Injected, bbl				
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2		
5			6.5	66		20			
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density			
			1250			lb/gal			
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp		<input type="checkbox"/> Cement Circulated to Surface?	Volume			
%	73.1 bbl	73.1 bbl	°F		<input type="checkbox"/> Washed Thru Perfs	To	ft		
Customer or Authorized Representative Fillpot, Greg			Schlumberger Supervisor Ahrends, Timothy			<input type="checkbox"/> Circulation Lost		<input checked="" type="checkbox"/> Job Completed	

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Date	12/18/04
Company	OXY
Job Number	2205547603
Well Name	McMorran
Well Number	B 1
County	Grant
State	KS

Schlumberger

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Pipe Size	4 1/2	
Pipe Weight	11.6	17
Pipe Depth	4943	
Shoe Length	230	
Insert Depth	4713	
Hole Size	7 7/8	
Hole Depth	5773	

1st System	
240 sacks	H
1.55 yield	
13.8 weight	
7.1 water	40.6
cubic ft.	372
height	1633
bbls	66.3

277	Pipe Volume	77
	Annular Volume	201
	Total Cement	66
	Total Water	114

Pipe Factor	0.0155	0.0232
Annular Factor	0.0406	
Height Factor	4.3898	

2nd System	
sacks	
yield	
weight	
water	0
cubic ft.	0
height	0
bbls	0

Casing lift 3605
 Cement lift 802

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 WICHITA, KS

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

Test 4000

20 Chemical Wash

0 Water

66 Lead 13.8

0 Tail 0

73.1 Displacement

3000 Maximum Pressure

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

Pump Time @ 5 BPM 28 MIN