

CONFIDENTIAL

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OCT 31 2005

KCC WICHITA

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

September 1999

WELL COMPLETION FORM
WELL 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: ONEOK
 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: _____

API No. 15 - 081-21601-0000
 County: Haskell
NE - NE - NW Sec 28 Twp. 30 S. R. 33W
465 feet from S (N) (circle one) Line of Section
2500 feet from E (W) (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE (NW) SW
 Lease Name: Hickman B Well #: 5
 Field Name: Victory
 Producing Formation: Morrow/Chester
 Elevation: Ground: 2947 Kelly Bushing: 2958
 Total Depth: 5670 Plug Back Total Depth: 5641
 Amount of Surface Pipe Set and Cemented at 1847 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.

Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. To Enhr./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. Pending
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____
07/04/05 07/13/05 08/01/05
 Spud Date or Date Reached TD Completion Date or Recompletion Date

Drilling Fluid Management Plan ALT I WITH 4-12-07
 (Data must be collected from the Reserve Pit)
 Chloride content 1600 mg/l ppm Fluid volume 1500 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.: _____

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 October 28, 2005
 Subscribed and sworn to before me this 28 day of Oct.
20 05
 Notary Public: Anita Peterson
 Date Commission Expires: Oct. 1, 2009

KCC Office Use Only

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

_____ Wireline Log Received
 _____ Geologist Report Received
 _____ UIC Distribution

ANITA PETERSON
 Notary Public - State of Kansas
 My Appt. Expires October 1, 2009

Side Two

Operator Name: OXY USA Inc. Lease Name: Hickman B Well #: 5

Sec. 28 Twp. 30 S. R. 33W East West County: Haskell

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	Heebner	4086	-1128
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Lansing	4154	-1196
List All E. Logs Run:	Induction Neutron	Marmaton	4786	-1828
Sonic Microlog TracerScan		Cherokee	4954	-1996
CBL Geological Report		Morrow	5250	-2292
		Chester	5354	-2396
		St. Genevieve	5428	-2470
		St. Louis	5467	-2509

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	1847	C	615	35/65 POZ + Additives
					C	195	Class C + Additives
Production	4 1/2	7 7/8	10.5	5670	H	310	50/50 Lit 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
3	5354-5357	Acidize - 87.5 bbls 17% HCL-FE	
4	5364-5375	Frac-570 bbls 30# liner gel & 70% N2,	
2	5332-5350	160,000# 20/40 Sand	

TUBING RECORD	Size	Set At	Packer At	Liner Run
				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Enhr. 08/20/05	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i>
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Estimated Production Per 24 Hours	Oil BBLs 13	Gas Mcf 1681	Water Bbls	Gas-Oil Ratio 129308	Gravity
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Disposition of Gas: Vented Sold Used on Lease *(If vented, Submit ACO-18)*

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Morrow 5332-5350

Other *(Specify)* _____ Chester 5354-5375

Production Interval

Well	Field		Service Date		Customer		Job Number			
HICKMAN B #5	VICTORY		05186-Jul-05		OXY USA, INC.		2205548215			
Date	Time	Treating	Pressure	Flow Rate	Density	Volume	0	0	0	Message
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0		
2005-Jul-05	19:1	316	3.9	11.16	7.6	0	0	0		
2005-Jul-05	19:1	307	3.9	11.44	8.9	0	0	0		
2005-Jul-05	19:1	279	3.9	11.59	10.2	0	0	0		
2005-Jul-05	19:1	302	3.9	11.65	11.5	0	0	0		
2005-Jul-05	19:1	156	0.0	11.85	12.6	0	0	0		
2005-Jul-05	19:1	183	0.0	12.15	12.6	0	0	0		
2005-Jul-05	19:1	174	0.0	12.34	12.6	0	0	0		
2005-Jul-05	19:1	179	0.0	12.39	12.6	0	0	0		
2005-Jul-05	19:1	160	0.0	12.40	12.6	0	0	0		
2005-Jul-05	19:1	142	0.0	12.66	12.6	0	0	0		
2005-Jul-05	19:1	142	0.0	12.80	12.6	0	0	0		
2005-Jul-05	19:1	137	0.0	11.87	12.6	0	0	0		
2005-Jul-05	19:2	119	0.0	11.39	12.6	0	0	0		
2005-Jul-05	19:2	124	0.0	11.58	12.6	0	0	0		
2005-Jul-05	19:2	133	0.0	11.39	12.6	0	0	0		
2005-Jul-05	19:2	110	0.0	11.22	12.6	0	0	0		
2005-Jul-05	19:2	101	0.0	10.95	12.6	0	0	0		
2005-Jul-05	19:2	188	0.0	11.70	12.6	0	0	0		
2005-Jul-05	19:2	142	0.0	12.33	12.6	0	0	0		
2005-Jul-05	19:2	146	0.0	12.45	12.6	0	0	0		
2005-Jul-05	19:2	82	0.0	11.82	12.6	0	0	0		
2005-Jul-05	19:2	142	0.0	12.38	12.6	0	0	0		
2005-Jul-05	19:2	146	0.0	12.46	12.6	0	0	0		
2005-Jul-05	19:2	137	0.0	12.17	12.6	0	0	0		
2005-Jul-05	19:2	105	0.0	12.08	12.6	0	0	0		
2005-Jul-05	19:2	114	0.0	12.46	12.6	0	0	0		
2005-Jul-05	19:2	128	0.0	11.99	12.6	0	0	0		
2005-Jul-05	19:2	114	0.0	12.36	12.6	0	0	0		
2005-Jul-05	19:2	119	0.0	11.84	12.6	0	0	0		
2005-Jul-05	19:2	105	0.0	11.82	12.6	0	0	0		
2005-Jul-05	19:2	105	0.0	12.28	12.6	0	0	0		
2005-Jul-05	19:2	110	0.0	12.62	12.6	0	0	0		
2005-Jul-05	19:2	119	0.0	12.79	12.6	0	0	0		
2005-Jul-05	19:2	119	0.0	12.72	12.6	0	0	0		
2005-Jul-05	19:2	92	0.0	12.43	12.6	0	0	0		
2005-Jul-05	19:2	105	0.0	12.11	12.6	0	0	0		
2005-Jul-05	19:2	101	0.0	11.89	12.6	0	0	0		
2005-Jul-05	19:2	96	0.0	11.77	12.6	0	0	0		
2005-Jul-05	19:2	96	0.0	11.98	12.6	0	0	0		
2005-Jul-05	19:2	82	0.0	12.34	12.6	0	0	0		
2005-Jul-05	19:2	92	0.0	12.54	12.6	0	0	0		
2005-Jul-05	19:2	96	0.0	12.66	12.6	0	0	0		
2005-Jul-05	19:3	101	0.0	12.59	12.6	0	0	0		
2005-Jul-05	19:3	92	0.0	12.27	12.6	0	0	0		
2005-Jul-05	19:3	96	0.0	12.16	12.6	0	0	0		
2005-Jul-05	19:3	96	0.0	12.09	12.6	0	0	0		
2005-Jul-05	19:3	96	0.0	12.04	12.6	0	0	0		
2005-Jul-05	19:3	92	0.0	11.95	12.6	0	0	0		
2005-Jul-05	19:3	82	0.0	11.90	12.6	0	0	0		
2005-Jul-05	19:3	64	0.0	11.92	12.6	0	0	0		
2005-Jul-05	19:3	87	0.0	11.85	12.6	0	0	0		
2005-Jul-05	19:3	82	0.0	11.64	12.6	0	0	0		
2005-Jul-05	19:3	73	0.0	11.78	12.6	0	0	0		
2005-Jul-05	19:3	73	0.0	12.00	12.6	0	0	0		

Well	HICKMAN B #5		Field	VICTORY		Service Date	Customer	Job Number	
Date	Time	Treating	Pressure	Flow Rate	Density	Volume	0	0	0
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0	Message
2005-Jul-05	19:3	78	0.0	11.96	12.6	0	0	0	
2005-Jul-05	19:3	82	0.0	11.89	12.6	0	0	0	
2005-Jul-05	19:3	92	0.0	11.85	12.6	0	0	0	
2005-Jul-05	19:3	96	0.0	12.34	12.6	0	0	0	
2005-Jul-05	19:3	101	0.0	12.95	12.6	0	0	0	
2005-Jul-05	19:3	128	0.0	13.11	12.6	0	0	0	
2005-Jul-05	19:3	124	0.0	12.20	12.6	0	0	0	
2005-Jul-05	19:3	101	0.0	12.12	12.6	0	0	0	
2005-Jul-05	19:3	69	0.0	11.77	12.6	0	0	0	
2005-Jul-05	19:3	64	0.0	11.78	12.6	0	0	0	
2005-Jul-05	19:3	64	0.0	12.16	12.6	0	0	0	
2005-Jul-05	19:3	110	0.0	12.44	12.6	0	0	0	
2005-Jul-05	19:3	105	0.0	12.36	12.6	0	0	0	
2005-Jul-05	19:3	87	0.0	12.05	12.6	0	0	0	
2005-Jul-05	19:3	105	0.0	12.38	12.6	0	0	0	
2005-Jul-05	19:3	105	0.0	12.33	12.6	0	0	0	
2005-Jul-05	19:3	105	0.0	12.20	12.6	0	0	0	
2005-Jul-05	19:3	96	0.0	12.08	12.6	0	0	0	
2005-Jul-05	19:4	87	0.0	12.07	12.6	0	0	0	
2005-Jul-05	19:4	96	0.0	12.14	12.6	0	0	0	
2005-Jul-05	19:4	92	0.0	12.17	12.6	0	0	0	
2005-Jul-05	19:4	92	0.0	12.08	12.6	0	0	0	
2005-Jul-05	19:4	87	0.0	12.16	12.6	0	0	0	
2005-Jul-05	19:4	78	0.0	12.08	12.6	0	0	0	
2005-Jul-05	19:4	96	0.0	12.23	12.6	0	0	0	
2005-Jul-05	19:4	105	0.0	12.18	12.6	0	0	0	
2005-Jul-05	19:4	105	0.0	12.22	12.6	0	0	0	
2005-Jul-05	19:4	105	0.0	12.26	12.6	0	0	0	
2005-Jul-05	19:4	110	0.0	12.19	12.6	0	0	0	
2005-Jul-05	19:4	105	0.0	12.14	12.6	0	0	0	
2005-Jul-05	19:4	105	0.0	12.14	12.6	0	0	0	
2005-Jul-05	19:4	105	0.0	12.16	12.6	0	0	0	
2005-Jul-05	19:4	73	0.0	12.16	12.6	0	0	0	
2005-Jul-05	19:4	105	0.0	12.14	12.6	0	0	0	
2005-Jul-05	19:4	105	0.0	12.09	12.6	0	0	0	
2005-Jul-05	19:4	105	0.0	12.11	12.6	0	0	0	
2005-Jul-05	19:4								Reset Total, Vol = 12.63
2005-Jul-05	19:4	105	0.0	12.00	12.6	0	0	0	
2005-Jul-05	19:4	101	0.0	11.84	0.0	0	0	0	
2005-Jul-05	19:4	92	0.0	11.85	0.0	0	0	0	
2005-Jul-05	19:4	87	0.0	11.85	0.0	0	0	0	
2005-Jul-05	19:4	78	0.0	11.75	0.0	0	0	0	
2005-Jul-05	19:4	69	0.0	11.95	0.0	0	0	0	
2005-Jul-05	19:4	78	0.0	12.08	0.0	0	0	0	
2005-Jul-05	19:4	78	0.0	12.11	0.0	0	0	0	
2005-Jul-05	19:4	82	0.0	11.91	0.0	0	0	0	
2005-Jul-05	19:4	87	0.0	12.08	0.0	0	0	0	
2005-Jul-05	19:4	87	0.0	12.50	0.0	0	0	0	
2005-Jul-05	19:4	119	0.0	12.72	0.0	0	0	0	
2005-Jul-05	19:5	119	0.0	12.43	0.0	0	0	0	
2005-Jul-05	19:5	110	0.0	12.08	0.0	0	0	0	
2005-Jul-05	19:5	78	0.0	11.78	0.0	0	0	0	
2005-Jul-05	19:5	82	0.0	11.80	0.0	0	0	0	
2005-Jul-05	19:5	110	0.0	12.24	0.0	0	0	0	

Well	HICKMAN B #5		Field	VICTORY		Service Date		Customer	Job Number	
Date	Time	Treating	Pressure	Flow Rate	Density	Volume	0	0	0	Message
	24 hr clock	psi	bbf/min	lb/gal	bbf	0	0	0		
2005-Jul-05	19:5	119	0.0	12.57	0.0	0	0	0		
2005-Jul-05	19:5	119	0.0	12.35	0.0	0	0	0		
2005-Jul-05	19:5	101	0.0	12.11	0.0	0	0	0		
2005-Jul-05	19:5	87	0.0	11.95	0.0	0	0	0		
2005-Jul-05	19:5	82	0.0	12.18	0.0	0	0	0		
2005-Jul-05	19:5	78	0.0	11.97	0.0	0	0	0		
2005-Jul-05	19:5	73	0.0	11.84	0.0	0	0	0		
2005-Jul-05	19:5	92	0.0	12.09	0.0	0	0	0		
2005-Jul-05	19:5	114	0.0	12.53	0.0	0	0	0		
2005-Jul-05	19:5	119	0.0	12.57	0.0	0	0	0		
2005-Jul-05	19:5	110	0.0	12.29	0.0	0	0	0		
2005-Jul-05	19:5	105	0.0	12.11	0.0	0	0	0		
2005-Jul-05	19:5	87	0.0	11.94	0.0	0	0	0		
2005-Jul-05	19:5	87	0.0	11.79	0.0	0	0	0		
2005-Jul-05	19:5	101	0.0	11.85	0.0	0	0	0		
2005-Jul-05	19:5	101	0.0	12.01	0.0	0	0	0		
2005-Jul-05	19:5	105	0.0	12.34	0.0	0	0	0		
2005-Jul-05	19:5	110	0.0	12.59	0.0	0	0	0		
2005-Jul-05	19:5	92	0.0	12.46	0.0	0	0	0		
2005-Jul-05	19:5	82	0.0	12.27	0.0	0	0	0		
2005-Jul-05	19:5	101	0.0	12.20	0.0	0	0	0		
2005-Jul-05	19:5	110	0.0	12.53	0.0	0	0	0		
2005-Jul-05	19:5	101	0.0	11.69	0.0	0	0	0		
2005-Jul-05	19:5	151	0.0	12.00	0.0	0	0	0		
2005-Jul-05	19:5	165	0.0	12.43	0.0	0	0	0		
2005-Jul-05	20:0	179	0.0	12.82	0.0	0	0	0		
2005-Jul-05	20:0	183	0.0	12.88	0.0	0	0	0		
2005-Jul-05	20:0	169	0.0	12.36	0.0	0	0	0		
2005-Jul-05	20:0	156	0.0	12.10	0.0	0	0	0		
2005-Jul-05	20:0	137	0.0	12.50	0.0	0	0	0		
2005-Jul-05	20:0	156	0.0	12.76	0.0	0	0	0		
2005-Jul-05	20:0	160	0.0	12.75	0.0	0	0	0		
2005-Jul-05	20:0	96	0.0	11.90	0.0	0	0	0		
2005-Jul-05	20:0	92	0.0	11.13	0.0	0	0	0		
2005-Jul-05	20:0	142	0.0	11.74	0.0	0	0	0		
2005-Jul-05	20:0	160	0.0	12.43	0.0	0	0	0		
2005-Jul-05	20:0	151	0.0	11.45	0.0	0	0	0		
2005-Jul-05	20:0	156	0.0	12.27	0.0	0	0	0		
2005-Jul-05	20:0	82	0.0	11.60	0.0	0	0	0		
2005-Jul-05	20:0	92	0.0	11.52	0.0	0	0	0		
2005-Jul-05	20:0	96	0.0	11.97	0.0	0	0	0		
2005-Jul-05	20:0	119	0.0	12.37	0.0	0	0	0		
2005-Jul-05	20:0	114	0.0	12.32	0.0	0	0	0		
2005-Jul-05	20:0	110	0.0	12.15	0.0	0	0	0		
2005-Jul-05	20:0	105	0.0	12.08	0.0	0	0	0		
2005-Jul-05	20:0	160	0.0	12.05	0.0	0	0	0		
2005-Jul-05	20:0	165	0.0	12.34	0.0	0	0	0		
2005-Jul-05	20:0	174	0.0	12.36	0.0	0	0	0		
2005-Jul-05	20:0	160	0.0	12.36	0.0	0	0	0		
2005-Jul-05	20:0	169	0.0	12.53	0.0	0	0	0		
2005-Jul-05	20:0	174	0.0	12.54	0.0	0	0	0		
2005-Jul-05	20:0	169	0.0	12.40	0.0	0	0	0		
2005-Jul-05	20:0	160	0.0	12.16	0.0	0	0	0		
2005-Jul-05	20:0	160	0.0	12.20	0.0	0	0	0		

Well	HICKMAN B #5		Field	VICTORY	Service Date		Customer	Job Number	
Date	Time	Treating	Pressure	Flow Rate	Density	Volume	0	0	0
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0	Message
2005-Jul-05	20:0	169	0.0	12.52	0.0	0	0	0	
2005-Jul-05	20:1	169	0.0	12.43	0.0	0	0	0	
2005-Jul-05	20:1	165	0.0	12.17	0.0	0	0	0	
2005-Jul-05	20:1	105	0.0	11.69	0.0	0	0	0	
2005-Jul-05	20:1								Start Mixing Tail Slurry
2005-Jul-05	20:1	96	0.0	12.05	0.0	0	0	0	
2005-Jul-05	20:1	96	0.0	12.09	0.0	0	0	0	
2005-Jul-05	20:1								End Lead Slurry
2005-Jul-05	20:1	101	0.0	12.14	0.0	0	0	0	
2005-Jul-05	20:1								Reset Total, Vol = 0.00
2005-Jul-05	20:1	105	0.0	12.30	0.0	0	0	0	
2005-Jul-05	20:1	124	0.0	13.10	0.0	0	0	0	
2005-Jul-05	20:1	146	0.0	13.99	0.0	0	0	0	
2005-Jul-05	20:1	165	0.0	14.38	0.0	0	0	0	
2005-Jul-05	20:1	169	0.0	14.42	0.0	0	0	0	
2005-Jul-05	20:1	151	0.0	14.47	0.0	0	0	0	
2005-Jul-05	20:1	179	0.0	14.70	0.0	0	0	0	
2005-Jul-05	20:1	179	0.0	14.91	0.0	0	0	0	
2005-Jul-05	20:1	183	0.0	15.04	0.0	0	0	0	
2005-Jul-05	20:1	183	0.0	14.97	0.0	0	0	0	
2005-Jul-05	20:1	179	0.0	14.54	0.0	0	0	0	
2005-Jul-05	20:1	174	0.0	14.39	0.0	0	0	0	
2005-Jul-05	20:1	165	0.0	14.36	0.0	0	0	0	
2005-Jul-05	20:1	165	0.0	14.39	0.0	0	0	0	
2005-Jul-05	20:1	160	0.0	14.44	0.0	0	0	0	
2005-Jul-05	20:1	165	0.0	14.65	0.0	0	0	0	
2005-Jul-05	20:1	160	0.0	14.72	0.0	0	0	0	
2005-Jul-05	20:1	160	0.0	15.04	0.0	0	0	0	
2005-Jul-05	20:1	165	0.0	15.17	0.0	0	0	0	
2005-Jul-05	20:1	160	0.0	15.14	0.0	0	0	0	
2005-Jul-05	20:1	156	0.0	14.94	0.0	0	0	0	
2005-Jul-05	20:1	151	0.0	14.77	0.0	0	0	0	
2005-Jul-05	20:1	142	0.0	14.55	0.0	0	0	0	
2005-Jul-05	20:1	156	0.0	14.47	0.0	0	0	0	
2005-Jul-05	20:1	165	0.0	14.43	0.0	0	0	0	
2005-Jul-05	20:1	165	0.0	14.40	0.0	0	0	0	
2005-Jul-05	20:1	146	0.0	14.60	0.0	0	0	0	
2005-Jul-05	20:2	156	0.0	14.81	0.0	0	0	0	
2005-Jul-05	20:2	156	0.0	14.88	0.0	0	0	0	
2005-Jul-05	20:2	151	0.0	14.86	0.0	0	0	0	
2005-Jul-05	20:2	151	0.0	14.83	0.0	0	0	0	
2005-Jul-05	20:2	151	0.0	14.90	0.0	0	0	0	
2005-Jul-05	20:2	146	0.0	14.95	0.0	0	0	0	
2005-Jul-05	20:2	146	0.0	14.90	0.0	0	0	0	
2005-Jul-05	20:2	128	0.0	14.88	0.0	0	0	0	
2005-Jul-05	20:2	124	0.0	14.84	0.0	0	0	0	
2005-Jul-05	20:2	50	0.0	12.98	0.0	0	0	0	
2005-Jul-05	20:2								End Tail Slurry
2005-Jul-05	20:2	18	0.0	10.87	0.0	0	0	0	
2005-Jul-05	20:2	23	0.0	11.98	0.0	0	0	0	
2005-Jul-05	20:2								Drop Top Plug
2005-Jul-05	20:2	18	0.0	12.04	0.0	0	0	0	
2005-Jul-05	20:2								Start Displacement
2005-Jul-05	20:2	18	0.0	12.35	0.0	0	0	0	

Well	HICKMAN B #5		Field	VICTORY		Service Date		Customer	Job Number	
Date	Time	Treating	Pressure	Flow Rate	Density	Volume	0	0	0	Message
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0		
2005-Jul-05	20:2									Reset Total, Vol = 0.00
2005-Jul-05	20:2	18	0.0	9.93	0.0	0	0	0		
2005-Jul-05	20:2	18	0.0	7.56	0.0	0	0	0		
2005-Jul-05	20:2	18	0.0	5.96	0.0	0	0	0		
2005-Jul-05	20:2	18	0.0	4.52	0.0	0	0	0		
2005-Jul-05	20:2	18	0.0	3.28	0.0	0	0	0		
2005-Jul-05	20:2	87	2.6	9.54	0.5	0	0	0		
2005-Jul-05	20:2	9	0.0	8.46	1.1	0	0	0		
2005-Jul-05	20:2	9	0.0	8.54	1.1	0	0	0		
2005-Jul-05	20:2	9	0.0	8.56	1.1	0	0	0		
2005-Jul-05	20:2	9	0.0	8.54	1.1	0	0	0		
2005-Jul-05	20:2	9	0.0	8.50	1.1	0	0	0		
2005-Jul-05	20:2	32	2.4	8.52	1.3	0	0	0		
2005-Jul-05	20:2	41	3.9	8.39	2.4	0	0	0		
2005-Jul-05	20:2	110	3.9	8.28	3.7	0	0	0		
2005-Jul-05	20:2	101	3.9	8.21	5.0	0	0	0		
2005-Jul-05	20:2	96	3.9	8.18	6.3	0	0	0		
2005-Jul-05	20:2	110	3.9	8.15	7.6	0	0	0		
2005-Jul-05	20:2	137	3.9	8.15	8.9	0	0	0		
2005-Jul-05	20:2	124	3.9	8.10	10.2	0	0	0		
2005-Jul-05	20:2	243	3.9	8.18	11.5	0	0	0		
2005-Jul-05	20:3	256	3.9	8.18	12.8	0	0	0		
2005-Jul-05	20:3	252	3.9	8.19	14.1	0	0	0		
2005-Jul-05	20:3	261	3.9	8.24	15.4	0	0	0		
2005-Jul-05	20:3	270	3.9	8.19	16.7	0	0	0		
2005-Jul-05	20:3	275	3.9	8.25	18.0	0	0	0		
2005-Jul-05	20:3	288	3.9	8.19	19.4	0	0	0		
2005-Jul-05	20:3	206	3.9	8.19	20.7	0	0	0		
2005-Jul-05	20:3	279	5.7	8.19	22.5	0	0	0		
2005-Jul-05	20:3	288	5.7	8.19	24.4	0	0	0		
2005-Jul-05	20:3	311	5.7	8.20	26.3	0	0	0		
2005-Jul-05	20:3	343	3.9	8.20	27.8	0	0	0		
2005-Jul-05	20:3	362	3.9	8.20	29.1	0	0	0		
2005-Jul-05	20:3	362	3.9	8.20	30.4	0	0	0		
2005-Jul-05	20:3	256	5.7	8.21	32.1	0	0	0		
2005-Jul-05	20:3	288	5.7	8.21	34.0	0	0	0		
2005-Jul-05	20:3	293	5.7	8.21	35.9	0	0	0		
2005-Jul-05	20:3	307	5.7	8.21	55.5	0	0	0		
2005-Jul-05	20:3	311	5.7	8.21	57.4	0	0	0		
2005-Jul-05	20:3	307	5.7	8.21	59.3	0	0	0		
2005-Jul-05	20:3	325	5.7	8.21	61.2	0	0	0		
2005-Jul-05	20:3	334	5.7	8.22	63.1	0	0	0		
2005-Jul-05	20:3	357	5.7	8.22	65.0	0	0	0		
2005-Jul-05	20:3	362	5.7	8.22	66.9	0	0	0		
2005-Jul-05	20:3	371	5.7	8.22	68.8	0	0	0		
2005-Jul-05	20:3	371	5.7	8.22	70.7	0	0	0		
2005-Jul-05	20:3	394	5.7	8.22	72.6	0	0	0		
2005-Jul-05	20:3	403	5.7	8.22	74.5	0	0	0		
2005-Jul-05	20:3	430	5.7	8.22	76.4	0	0	0		
2005-Jul-05	20:3	435	5.7	8.22	78.3	0	0	0		
2005-Jul-05	20:3	458	5.7	8.22	80.2	0	0	0		
2005-Jul-05	20:4	458	5.7	8.22	82.1	0	0	0		
2005-Jul-05	20:4	471	5.7	8.22	84.0	0	0	0		
2005-Jul-05	20:4	485	5.7	8.22	86.0	0	0	0		

Well	Field		Service Date		Customer		Job Number			
HICKMAN B #5	VICTORY		05186-Jul-05		OXY USA, INC.		2205548215			
Date	Time	Treating	Pressure	Flow Rate	Density	Volume	0	0	0	Message
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0		
2005-Jul-05	20:4	453	5.7	8.22	87.9	0	0	0		
2005-Jul-05	20:4	517	5.7	8.22	89.8	0	0	0		
2005-Jul-05	20:4	540	5.7	8.22	91.7	0	0	0		
2005-Jul-05	20:4	531	5.7	8.22	93.6	0	0	0		
2005-Jul-05	20:4	549	5.7	8.22	95.5	0	0	0		
2005-Jul-05	20:4	563	5.7	8.22	97.4	0	0	0		
2005-Jul-05	20:4	586	5.7	8.22	99.3	0	0	0		
2005-Jul-05	20:4	595	5.7	8.22	101.2	0	0	0		
2005-Jul-05	20:4	613	5.7	8.22	103.1	0	0	0		
2005-Jul-05	20:4	604	5.7	8.22	105.0	0	0	0		
2005-Jul-05	20:4	627	5.7	8.22	106.9	0	0	0		
2005-Jul-05	20:4	517	2.5	8.22	107.8	0	0	0		
2005-Jul-05	20:4	504	2.5	8.22	108.6	0	0	0		
2005-Jul-05	20:4	540	2.5	8.22	109.5	0	0	0		
2005-Jul-05	20:4	595	2.5	8.22	110.3	0	0	0		
2005-Jul-05	20:4	618	2.5	8.22	111.2	0	0	0		
2005-Jul-05	20:4	572	2.5	8.22	112.0	0	0	0		
2005-Jul-05	20:4	595	2.5	8.22	112.8	0	0	0		
2005-Jul-05	20:4	600	2.5	8.22	113.6	0	0	0		
2005-Jul-05	20:4	623	2.5	8.22	114.5	0	0	0		
2005-Jul-05	20:4	975	0.0	8.22	115.0	0	0	0		
2005-Jul-05	20:4	975	0.0	8.23	115.0	0	0	0		
2005-Jul-05	20:4									End Displacement
2005-Jul-05	20:4	984	0.0	8.23	115.0	0	0	0		
2005-Jul-05	20:4									Bump Top Plug
2005-Jul-05	20:4	975	0.0	8.23	115.0	0	0	0		
2005-Jul-05	20:4	975	0.0	8.23	115.0	0	0	0		
2005-Jul-05	20:4	645	0.0	8.23	115.0	0	0	0		
2005-Jul-05	20:4	9	0.0	8.23	115.0	0	0	0		
2005-Jul-05	20:4	5	0.0	8.23	115.0	0	0	0		
2005-Jul-05	20:5	5	0.0	8.23	115.0	0	0	0		

Post Job Summary

Average Pump Rates, bpm				Volume of Fluid		bbl	
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
4			8	286			10
Treating Pressure Summary, psi				Breakdown Fluid		Density	
Maximum	Final	Average	Bump Plug to	Breakdown	Volume		
2000			1000				
Avg. N2 Percent	Designed Slurry	Volume	Displacement	Mix Water Temp	bbl	Cement Circulated to Surface?	lb/gal
Volume	115	bbl					
%	286	bbl	115	bbl	°F	Washed Thru Perfs	To
Customer or Authorized Representative	Schlumberger Supervisor					ft	
Willimon, Wes			Hulsey, Jason	CirculationLost		Job Completed	

Comments:

Fluid Systems:

LEAD

615 SK 35:65 POZ:C+6% D020 + 2% S001 + 0.5 pps D029

Density: 12.2 lb/gal Thickening Time:
Yield: 2.18 ft³/sk
H2O Mix: 12.3 gal/sk
H2O: 7564.5 gal Eq. Sack Weight: 88.9 lb
Total Blend: 615 sacks

Dowell Code	Conc/ Amount	Total Quantity
D029	0.5 lbs/sk	307.5
S001	1.778 lbs/sk	1093.47
D020	5.334 lbs/sk	3280.41
D132	27.8 lbs/sk	17097
CLASS C	61.1 lbs/sk	37576.5

TAIL

195 SK CLASS C + 2% S001 + 0.25 pps D029

Density: 14.8 lb/gal Thickening Time:
Yield: 1.34 ft³/sk
H2O Mix: 6.353 gal/sk
H2O: 1238.835 gal Eq. Sack Weight: 94 lb
Total Blend: 195 sacks

Dowell Code	Conc/ Amount	Total Quantity
S001	1.88 lbs/sk	366.6
D029	0.25 lbs/sk	48.75
CLASS C	94 lbs/sk	18330

CONFIDENTIAL



Cementing Service Report

Customer OXY USA, INC.						Job Number 2205548882									
Well HICKMAN B 5			Location (legal) SEC 28-T30S-R34W			Schlumberger Location Perryton, TX			Job Start 2005-Jul-14						
Field VICTORY		Formation Name/Type			Deviation		Bit Size 7.88 in	Well MD 5,670 ft	Well TVD 5,670 ft						
County HASKELL		State/Province KANSAS			BHP psi	BHST 137 °F	BHCT °F	Pore Press. Gradient psi/ft							
Well Master: 0630706932		API / UWI: 15-081-21601			Casing/Liner										
Rig Name MURFIN 20		Drilled For Gas		Service Via Land		Depth, ft 5673	Size, in 4.5	Weight, lb/ft 10.5	Grade	Thread					
Offshore Zone		Well Class New		Well Type Development		Tubing/Drill Pipe									
Drilling Fluid Type			Max. Density lb/gal		Plastic Viscosity cp		Depth,	Size, in	Weight, lb/ft	Grade Thread					
Service Line Cementing		Job Type Cem Prod Casing				Perforations/Open Hole									
Max. Allowed Tubing Pressure 2500 psi		Max. Allowed Ann. Pressure psi		Wellhead Connection 4 1/2 HS&M		Top, ft	Bottom, ft	spf	No. of Shots	Total Interval ft					
Service Instructions CEMENT 4½ PRODUCTION CASING WITH: 20 BBLs CW100 310 SKS 50/50 Poz:H+2%D20+3%M117+ 5 PPS D42+5 PPS D53+0.25 %D112+ 0.25 %D65 + 0.25%D46 DISPLACE W/FRESH WATER						Diameter in	Treat Down Casing	Displacement 89.9 bbl	Packer Type	Packer Depth ft					
						Tubing Vol. bbl	Casing Vol. 90 bbl	Annular Vol. 230 bbl	Open Hole Vol. 321 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: 800 psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input checked="" type="checkbox"/>		Shoe Type:		Squeeze Type	
No. Centralizers:		Top Plugs: 1		Bottom Plugs: 1		Shoe Depth: 5673 ft		Tool Type:							
Cement Head Type: Single				Stage Tool Type:		Tool Depth: ft		Stage Tool Depth: ft							
Job Scheduled For: 7/13/2005		Arrived on Location: 2005-Jul-14 11:00		Leave Location: 2005-Jul-14 14:30		Collar Type:		Tail Pipe Size: in		Tail Pipe Depth: ft					
Collar Depth: 5641 ft		Sqz Total Vol: bbl													
Date	Time	Treating Pressure 24 hr clock psi	Flow Rate bbl/min	CMT DENS lb/gal	Volume bbl	Flowmeter Rate bbl/min	Flowmeter Tot bbl	0	0	Message					
2005-Jul-14	11:50	0	0.0	8.27	0.0	0.0	0.0	0	0						
2005-Jul-14	11:50									Start Job					
2005-Jul-14	11:50	0	0.0	8.27	0.0	0.1	0.0	0	0						
2005-Jul-14	11:51	0	0.0	8.27	0.0	0.0	0.0	0	0						
2005-Jul-14	11:52	5	0.0	8.27	0.0	0.0	0.0	0	0						
2005-Jul-14	11:53	0	0.0	8.27	0.0	0.0	0.0	0	0						
2005-Jul-14	11:54	0	0.0	8.27	0.0	0.0	0.1	0	0						
2005-Jul-14	11:57	0	0.0	8.27	0.0	0.1	0.2	0	0						
2005-Jul-14	11:58	0	0.0	8.27	0.0	0.0	0.2	0	0						
2005-Jul-14	11:58	0	0.0	8.27	0.0	0.1	0.2	0	0						
2005-Jul-14	11:59	18	0.0	8.26	0.0	0.1	0.6	0	0						
2005-Jul-14	11:59	3447	0.1	8.27	0.2	0.0	0.8	0	0						
2005-Jul-14	12:00	3548	0.0	8.27	0.2	1.7	0.9	0	0						
2005-Jul-14	12:00	3465	0.0	8.27	0.2	0.1	0.9	0	0						
2005-Jul-14	12:01	3415	0.0	8.27	0.2	0.1	1.0	0	0						
2005-Jul-14	12:01	3374	0.0	8.27	0.2	0.0	1.0	0	0						
2005-Jul-14	12:02	18	0.0	8.27	0.2	0.1	1.0	0	0						
2005-Jul-14	12:02	18	0.0	8.26	0.2	0.1	1.1	0	0						
2005-Jul-14	12:03	197	4.5	8.28	1.7	4.6	2.6	0	0						
2005-Jul-14	12:03	256	5.4	8.28	4.3	5.8	5.3	0	0						
2005-Jul-14	12:04	270	5.4	8.27	7.0	5.6	8.2	0	0						
2005-Jul-14	12:04	266	5.4	8.27	9.7	5.4	11.0	0	0						

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 KCC WICHITA

Well		Field			Service Date		Customer		Job Number
HICKMAN B #6		VICTORY			05195-Jul-14		OXY USA, INC.		2205548862
Date	Time	Treating Pressure	Flow Rate	CMT DENS	Volume	Flowmeter Rate	Flowmeter Tot	0	Message
	24 hr clock	psi	bbf/min	lb/gal	bbl	bbf/min	bbl	0	
2005-Jul-14	12:05	270	5.4	8.27	12.4	5.8	13.9	0	
2005-Jul-14	12:05	284	5.4	8.27	15.1	6.0	16.9	0	
2005-Jul-14	12:06	284	5.4	8.27	17.8	6.0	19.9	0	
2005-Jul-14	12:06	279	5.4	8.27	20.5	6.0	22.8	0	
2005-Jul-14	12:07	-5	0.0	8.27	21.7	0.6	24.5	0	
2005-Jul-14	12:07	0	0.0	8.27	21.7	0.6	24.9	0	
2005-Jul-14	12:08	5	0.0	8.27	21.7	0.9	25.4	0	
2005-Jul-14	12:08	5	0.0	8.27	21.7	0.7	26.0	0	
2005-Jul-14	12:09	5	0.0	8.27	21.7	1.2	26.5	0	
2005-Jul-14	12:09	9	0.0	8.27	21.7	1.2	27.1	0	
2005-Jul-14	12:10	5	0.0	8.20	21.7	0.7	27.6	0	
2005-Jul-14	12:10	9	0.0	8.20	21.7	4.6	28.9	0	
2005-Jul-14	12:11	9	0.0	9.92	21.7	4.3	31.1	0	
2005-Jul-14	12:11	9	0.0	13.01	21.7	4.4	33.3	0	
2005-Jul-14	12:12	96	0.0	13.69	21.7	3.2	35.4	0	
2005-Jul-14	12:12	110	0.0	13.68	21.7	2.9	36.9	0	
2005-Jul-14	12:13	14	0.0	13.70	21.7	1.2	38.2	0	
2005-Jul-14	12:13	5	0.0	13.72	21.7	0.7	38.8	0	
2005-Jul-14	12:14	5	0.0	10.32	21.7	3.3	40.0	0	
2005-Jul-14	12:14	0	0.0	13.71	21.7	3.6	41.8	0	
2005-Jul-14	12:15	0	0.0	14.09	21.7	3.3	43.4	0	
2005-Jul-14	12:15	0	0.0	14.08	21.7	3.3	45.1	0	
2005-Jul-14	12:16	0	0.0	13.99	21.7	3.3	46.7	0	
2005-Jul-14	12:16	110	0.0	14.01	21.7	3.1	48.1	0	
2005-Jul-14	12:17	114	0.0	14.02	21.7	3.0	49.6	0	
2005-Jul-14	12:17	14	0.0	14.02	21.7	1.2	50.9	0	
2005-Jul-14	12:18	9	0.0	14.01	21.7	1.2	51.4	0	
2005-Jul-14	12:18	5	0.0	14.03	21.7	0.6	52.0	0	
2005-Jul-14	12:19	5	0.0	14.07	21.7	0.6	52.4	0	
2005-Jul-14	12:19	5	0.0	14.07	21.7	1.2	52.9	0	
2005-Jul-14	12:20	5	0.0	14.07	21.7	0.7	53.4	0	
2005-Jul-14	12:20	9	0.0	14.05	21.7	0.8	53.8	0	
2005-Jul-14	12:21								Reset Total, Vol = 21.66 bbl
2005-Jul-14	12:21	9	0.0	13.97	21.7	0.8	54.3	0	
2005-Jul-14	12:21	9	0.0	13.95	0.0	0.7	0.2	0	
2005-Jul-14	12:21								Start Cement Slurry
2005-Jul-14	12:21	9	0.0	13.95	0.0	0.4	0.4	0	
2005-Jul-14	12:22	73	0.0	11.11	0.0	1.0	0.9	0	
2005-Jul-14	12:22	311	5.4	13.43	1.3	6.0	2.2	0	
2005-Jul-14	12:23	385	5.4	13.97	4.0	5.8	5.1	0	
2005-Jul-14	12:23	316	5.4	13.86	6.7	5.8	8.0	0	
2005-Jul-14	12:24	293	5.4	14.31	9.5	5.6	10.9	0	
2005-Jul-14	12:24	238	5.4	13.98	12.2	5.7	13.7	0	
2005-Jul-14	12:25	188	5.4	13.72	14.9	6.0	16.6	0	
2005-Jul-14	12:25	188	5.4	13.73	17.6	5.8	19.5	0	
2005-Jul-14	12:26	206	5.4	13.82	20.4	5.8	22.4	0	
2005-Jul-14	12:26	192	5.4	14.01	23.0	5.9	25.2	0	
2005-Jul-14	12:27	201	5.4	14.11	25.7	5.8	28.1	0	
2005-Jul-14	12:27	197	5.4	13.91	28.4	5.8	31.0	0	
2005-Jul-14	12:28	197	5.4	13.78	31.1	5.8	33.8	0	
2005-Jul-14	12:28	201	5.4	13.98	33.8	5.8	36.7	0	
2005-Jul-14	12:29	188	5.4	13.51	36.5	5.7	39.6	0	
2005-Jul-14	12:29	192	5.4	13.71	39.2	5.9	42.6	0	
2005-Jul-14	12:30	192	5.4	13.88	41.8	5.8	45.4	0	

Well		Field			Service Date		Customer		Job Number
HICKMAN B #5		VICTORY			05195-Jul-14		OXY USA, INC.		2205548882
Date	Time	Treating Pressure	Flow Rate	CMT DENS	Volume	Flowmeter Rate	Flowmeter Tot	0	Message
	24-hr clock	psi	bbl/min	lb/gal	bbl	bbl/min	bbl	0	
2005-Jul-14	12:30	211	5.4	14.14	44.6	5.2	48.2	0	
2005-Jul-14	12:31	197	5.4	14.03	47.3	5.2	50.8	0	
2005-Jul-14	12:31	179	5.4	14.08	50.0	5.2	53.4	0	
2005-Jul-14	12:32	197	5.4	13.94	52.7	5.2	56.0	0	
2005-Jul-14	12:32	183	5.4	13.86	55.4	5.2	58.6	0	
2005-Jul-14	12:33	192	5.4	13.98	58.3	5.4	61.3	0	
2005-Jul-14	12:33	197	5.4	14.05	61.0	5.2	64.0	0	
2005-Jul-14	12:34	201	5.4	14.08	63.7	5.3	66.6	0	
2005-Jul-14	12:34	197	5.4	13.91	66.4	5.2	69.2	0	
2005-Jul-14	12:35	197	5.4	13.65	69.1	5.2	71.8	0	
2005-Jul-14	12:35	192	5.4	14.15	71.9	5.2	74.4	0	
2005-Jul-14	12:36	206	5.4	14.14	74.6	5.2	77.0	0	
2005-Jul-14	12:36	192	5.4	13.77	77.3	5.2	79.6	0	
2005-Jul-14	12:37	188	5.4	13.89	80.0	5.2	82.2	0	
2005-Jul-14	12:37	206	5.4	13.87	82.7	5.1	84.9	0	
2005-Jul-14	12:38	73	1.3	13.96	84.5	3.2	87.0	0	
2005-Jul-14	12:38	-9	0.0	12.96	84.9	0.0	87.9	0	
2005-Jul-14	12:38								End Cement Slurry
2005-Jul-14	12:39	-9	0.0	13.96	84.9	0.0	87.9	0	
2005-Jul-14	12:39	-9	0.0	13.97	84.9	0.0	87.9	0	
2005-Jul-14	12:40	-5	0.0	13.96	84.9	0.0	87.9	0	
2005-Jul-14	12:40	-5	0.0	13.42	84.9	0.0	88.0	0	
2005-Jul-14	12:41	0	0.0	9.12	84.9	2.7	88.9	0	
2005-Jul-14	12:41	18	0.0	9.16	84.9	0.8	90.3	0	
2005-Jul-14	12:42	41	0.0	9.15	84.9	2.2	91.0	0	
2005-Jul-14	12:42	101	0.0	8.70	84.9	3.6	92.4	0	
2005-Jul-14	12:43	188	0.0	8.38	84.9	5.3	94.9	0	
2005-Jul-14	12:43	183	0.0	8.27	84.9	5.5	97.9	0	
2005-Jul-14	12:44	183	0.0	8.25	84.9	5.4	100.6	0	
2005-Jul-14	12:44	183	0.0	8.25	84.9	5.7	103.3	0	
2005-Jul-14	12:45	174	0.0	8.26	84.9	0.1	105.2	0	
2005-Jul-14	12:45	192	0.0	8.29	84.9	5.5	106.5	0	
2005-Jul-14	12:46	174	0.0	8.26	84.9	0.1	108.8	0	
2005-Jul-14	12:46	-14	0.0	8.26	84.9	0.0	108.8	0	
2005-Jul-14	12:47	-5	0.0	8.27	84.9	0.0	108.8	0	
2005-Jul-14	12:47	-14	0.0	8.26	84.9	0.0	108.8	0	
2005-Jul-14	12:48	23	0.0	8.25	84.9	0.0	108.9	0	
2005-Jul-14	12:48	105	6.6	8.26	87.0	6.6	111.0	0	
2005-Jul-14	12:49	110	6.6	8.26	90.3	6.7	114.4	0	
2005-Jul-14	12:49	124	6.6	8.26	93.7	6.7	117.7	0	
2005-Jul-14	12:50	101	6.6	8.26	97.0	6.7	121.1	0	
2005-Jul-14	12:50	101	6.6	8.25	100.3	6.8	124.5	0	
2005-Jul-14	12:51	92	6.6	8.26	103.6	6.7	127.9	0	
2005-Jul-14	12:51	96	6.6	8.26	106.9	6.7	131.2	0	
2005-Jul-14	12:52	96	6.6	8.25	110.2	6.7	134.6	0	
2005-Jul-14	12:52	92	6.6	8.25	113.5	6.9	138.0	0	
2005-Jul-14	12:53	101	6.6	8.25	116.8	6.8	141.4	0	
2005-Jul-14	12:53	105	6.6	8.26	119.4	6.9	144.1	0	
2005-Jul-14	12:53								Drop Top Plug
2005-Jul-14	12:53								Start Displacement
2005-Jul-14	12:53	96	6.6	8.25	119.5	6.7	144.2	0	
2005-Jul-14	12:53	96	6.6	8.26	120.1	6.7	144.8	0	
2005-Jul-14	12:54	105	6.6	8.27	38.6	6.7	148.3	0	
2005-Jul-14	12:54	96	6.6	8.26	41.9	6.8	42.0	0	

Well		Field			Service Date		Customer		Job Number
HICKMAN B #5		VICTORY			05195-Jul-14		OXY USA, INC.		2205548682
Date	Time	Treating Pressure	Flow Rate	CMT DENS	Volume	Flowmeter Rate	Flowmeter Tot	0	Message
	24 hr clock	psi	bbf/min	lb/gal	bbf	bbf/min	bbf	0	
2005-Jul-14	12:55	101	6.6	8.25	45.2	6.8	45.4	0	
2005-Jul-14	12:55	96	6.6	8.25	48.5	6.6	48.8	0	
2005-Jul-14	12:56	119	6.6	8.26	51.8	6.7	52.2	0	
2005-Jul-14	12:56	266	6.6	8.25	55.1	6.7	55.5	0	
2005-Jul-14	12:57	339	6.6	8.26	58.4	6.8	58.8	0	
2005-Jul-14	12:57	412	6.6	8.25	61.7	6.7	62.2	0	
2005-Jul-14	12:58	490	6.6	8.25	65.0	6.6	65.4	0	
2005-Jul-14	12:58	334	3.9	8.27	68.1	4.0	68.6	0	
2005-Jul-14	12:59	545	5.0	8.26	70.5	5.0	71.0	0	
2005-Jul-14	12:59	568	5.0	8.25	73.0	5.0	73.5	0	
2005-Jul-14	13:00	618	5.0	8.26	75.5	5.0	76.0	0	
2005-Jul-14	13:00	677	5.0	8.26	77.9	5.1	78.5	0	
2005-Jul-14	13:01	792	5.0	8.27	80.4	5.0	81.0	0	
2005-Jul-14	13:01	632	2.2	8.26	82.7	2.2	83.3	0	
2005-Jul-14	13:02	677	2.2	8.26	83.8	2.2	84.4	0	
2005-Jul-14	13:02	691	2.2	8.25	84.9	2.2	85.5	0	
2005-Jul-14	13:03	723	2.2	8.26	86.0	2.2	86.6	0	
2005-Jul-14	13:03	742	2.2	8.26	87.1	2.2	87.7	0	
2005-Jul-14	13:04	778	2.2	8.25	88.2	2.2	88.8	0	
2005-Jul-14	13:04	797	2.2	8.25	89.3	2.2	90.0	0	
2005-Jul-14	13:05	879	2.2	8.25	90.4	2.3	91.1	0	
2005-Jul-14	13:05	1323	0.0	8.27	90.9	0.0	91.6	0	
2005-Jul-14	13:05	1305	0.0	8.27	90.9	0.0	91.6	0	
2005-Jul-14	13:05								Bump Top Plug
2005-Jul-14	13:05								End Displacement
2005-Jul-14	13:05	1337	0.0	8.26	90.9	0.0	91.6	0	
2005-Jul-14	13:05	1300	0.0	8.27	90.9	0.0	91.6	0	
2005-Jul-14	13:05								Reset Total, Vol = 90.89 bbl
2005-Jul-14	13:06	1300	0.0	8.26	0.0	0.0	0.0	0	
2005-Jul-14	13:06	-9	0.0	8.27	0.0	0.0	0.0	0	
2005-Jul-14	13:06								End Job
2005-Jul-14	13:06	-5	0.0	8.27	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		
5.5			6.5	86	0	20			
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density			
			1300			bbf	lb/gal		
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp		<input type="checkbox"/> Cement Circulated to Surface?	Volume	bbf		
%	86 bbl	89.9 bbl	°F		<input type="checkbox"/> Washed Thru Perfs	To	ft		
Customer or Authorized Representative			Schlumberger Supervisor			<input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed			
Fillpot, Gregg			Ahrends, Timothy						

Date	07/14/05
Company	OXY
Job Number	2205548882
Well Name	Hickman
Well Number	B 5
County	Haskell
State	KS

Schlumberger

Pipe Size	4 1/2	
Pipe Weight	10.5	11.6
Pipe Depth	5673	
Shoe Length	32	
Insert Depth	5641	
Hole Size	7 7/8	
Hole Depth	5670	

1st System	
310 sacks	H
1.55 yield	
13.8 weight	
7.1 water	52.4
cubic ft.	481
height	2109
bbls	85.6

321	Pipe Volume	90
	Annular Volume	230
	Total Cement	86
	Total Water	142

Pipe Factor	0.01594	0.01554
Annular Factor	0.0406	
Height Factor	4.3898	

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

Casing lift 3745
Cement lift 884

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

Test 4000

0 Mud

20 Chemical Wash

86 Lead

0 Tail

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

89.9 Displacement

3000 Maximum Pressure

Pump Time @ 5 BPM