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KCC WICHITA

CONFIDENTIAL

ORIGINAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1
September 1999
Form Must Be Typed

Operator: License # 5447
Name: OXY USA Inc.
Address: P.O. Box 2528
City/State/Zip: Liberal, KS 67905
Purchaser: OXY USA Inc.
Operator Contact Person: Vicki Carder

Phone: (620) 629-4200
Contractor: Name: Murfin Drilling Co., Inc.
License: 30606
Wellsite Geologist: NA

Designate Type of Completion:
[X] New Well [] Re-Entry [] Workover
[] Oil [] SWD [] SIOW [] Temp. Abd.
[X] 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.
07/10/04 07/13/04 07/27/04
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - 067-21583-0000
County: Grant
SE - SE - NW - SW Sec 9 Twp. 28 S. R. 35W
1463 feet from (S) N (circle one) Line of Section
1272 feet from E (NW) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) FROM NW (SW)
Lease Name:
Field Name: Panama
Producing Formation: Council Grove

Elevation: Ground: 3097 Kelly Bushing: 3108
Total Depth: 3105 Plug Back Total Depth: 3060
Amount of Surface Pipe Set and Cemented at 781 feet
Multiple Stage Cementing Collar Used? [] Yes [X] No
If yes, show depth set
If Alternate II completion, cement circulated from
feet depth to w/ sx cmt.

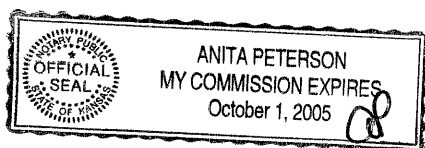
Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content 12000 mg/l ppm Fluid volume 800 bbls
Dewatering method used Evaporation
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License No.:
Quarter Sec. Twp, S. R. [] East [X] West
County: 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, 2004
Subscribed and sworn to before me this 28 day of Oct.
20 04
Notary Public: Anita Peterson
Date Commission Expires: Oct. 1, 2005

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



JAN 13 1990

Side Two

Operator Name: OXY USA Inc. Lease Name: English H Well #: 4
 Sec. 9 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Hollenberg	2600	508
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Herington	2621	487
List All E. Logs Run:	Induction Neutron	Krider	2646	462
Microlog Sonic Cement Map Log		Winfield	2691	417
		Towanda	2744	364
		Ft. Riley	2794	314
		Wreford	2886	222
		Council Grove	2908	200

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	781	C	220	35/65 Poz + Additives
					C	150	Class C + Additives
Production	7 7/8	4 1/2	10.5	3104	C	200	Panhandle Lite + Additive
					H	260	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 (Amount and Kind of Material Used)	Depth
4	2910-2960	3000 gls 15% HCL	
		Divert Frac-608 bbls 30# linear gel,	
		13919# 100 mesh sand, 538 bbls 30# gel w	
		70QN2, 163,257# 12/20 Sand	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8	2994		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.	Producing Method			
08/27/04	<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil BBLs	Gas Mcf	Water Bbls	Gas-Oil Ratio Gravity
		176	21	

Disposition of Gas METHOD OF COMPLETION Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled _____
(If vented, Submit ACO-18) Other (Specify) _____

CONFIDENTIAL Cementing Service Report

Customer OXY USA, INC.						Job Number 2205546302						
Well ENGLISH 'H' 4			Location (legal)			Schlumberger Location Perryton, TX			Job Start			
Field		Formation Name/Type		Deviation °		Bit Size 12.3 in	Well MD 800 ft	Well TVD 800 ft				
County GRANT		State/Province KANSAS		BHP psi	BHST 90 °F	BHCT °F	Pore Press. Gradient psi/ft					
Well Master: 0630594535		API / UWI:		RELEASED FROM CONFIDENTIAL								
Rig Name MURFIN 20	Drilled For Oil & Gas		Service Via		Depth, ft 800	Size, in 8.63	Weight, lb/ft	Grade K55	Thread 8RD			
Offshore Zone		Well Class New	Well Type Development		CONFIDENTIAL							
Drilling Fluid Type		Max. Density lb/gal	Plastic Vi cp	Depth,	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 8 5/8 CASING WITH: 220 SKS 35/65 POZ C+6%D20+2%S1+0.5 PPS D29 150 SKS CLASS C + 2% S1 + 0.25 PPS D29				Diameter in	Treat Down Casing	Displacement bbl	Packer Type	Packer Depth ft				
				Tubing Vol. bbl	Casing Vol. bbl	Annular Vol. bbl	OpenHole Vol bbl					
				Casing/Tubing Secured <input type="checkbox"/>	1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>	KCC			OCT 28 2004			
				Lift Pressure: psi		Pipe Reciprocated <input type="checkbox"/>		Shoe Type:		Squeeze Type		
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth: ft		Tool Type:						
No. Centralizers: Top Plugs: 1		Bottom Plugs:		Stage Tool Type: ft		Tool Depth: ft						
Cement Head Type: Single		Leave Location:		Stage Tool Depth: ft		Tail Pipe Size: in						
Job Scheduled For:		Arrived on Location:		Collar Type: ft		Tail Pipe Depth: ft						
				Collar Depth: ft		Sqz Total Vol: bbl						
Date	Time	Treating Pressure psi	CMT VOL bbl	CMT RATE bbl/min	CMT DENS lb/gal	Flowmeter bbl/min	Flowtot bbl	0	Message			
2004-Jul-11	1:34	-64	0.0	0.0	8.35	4.6	0.1	0				
2004-Jul-11	1:34								Start Job			
2004-Jul-11	1:34	-64	0.0	0.0	8.35	4.6	1.1	0				
2004-Jul-11	1:34	-69	0.0	0.0	8.35	4.6	1.1	0				
2004-Jul-11	1:34								Start Pumping Spacer			
2004-Jul-11	1:34	-69	0.0	0.0	8.35	4.6	2.4	0				
2004-Jul-11	1:35	-64	0.0	0.0	8.35	4.6	4.7	0				
2004-Jul-11	1:35								Reset Total, Vol = 0.00 bbl			
2004-Jul-11	1:35	-64	0.0	0.0	8.35	6.2	6.0	0				
2004-Jul-11	1:35	-18	0.0	0.0	8.35	5.9	7.6	0				
2004-Jul-11	1:36	-18	0.3	3.7	8.35	3.8	8.6	0				
2004-Jul-11	1:36								Reset Total, Vol = 0.30 bbl			
2004-Jul-11	1:36	-5	1.0	4.5	8.35	4.6	1.0	0				
2004-Jul-11	1:36	0	3.3	4.8	8.35	4.7	3.3	0				
2004-Jul-11	1:37	-18	5.4	2.9	8.35	3.5	5.6	0				
2004-Jul-11	1:37	-18	6.8	2.9	8.35	3.4	7.3	0				
2004-Jul-11	1:38	-14	8.3	2.9	8.35	3.3	8.9	0				
2004-Jul-11	1:38	-14	9.3	2.9	8.36	3.2	10.0	0				
2004-Jul-11	1:38								Reset Total, Vol = 9.26 bbl			
2004-Jul-11	1:38								End Spacer			
2004-Jul-11	1:38	-14	0.3	2.9	8.52	3.2	0.3	0				
2004-Jul-11	1:38	-14	0.4	2.9	8.63	3.4	0.5	0				

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Well		Field			Service Date		Customer		Job Number
ENGLISH 'H' #4							OXY USA, INC.		2205546302
Date	Time	Treating Pressure	CMT VOL	CMT RATE	CMT DENS	Flowmeter	Flowtot	0	Message
	24 hr clock	psi	bbl	bbl/min	lb/gal	bbl/min	bbl	0	
2004-Jul-11	1:38								Start Cement Slurry
2004-Jul-11	1:38								Start Mixing Lead Slurry
2004-Jul-11	1:38	-14	0.5	2.9	8.67	3.4	0.5	0	
2004-Jul-11	1:39	18	2.6	4.6	9.15	4.7	2.7	0	
2004-Jul-11	1:39	27	4.9	4.5	9.85	4.6	5.0	0	
2004-Jul-11	1:40	27	7.2	4.5	10.75	4.6	7.3	0	
2004-Jul-11	1:40	32	9.5	4.5	11.29	4.4	9.6	0	
2004-Jul-11	1:41	37	11.8	4.6	11.63	4.2	11.8	0	
2004-Jul-11	1:41	50	14.1	4.8	11.87	4.8	14.1	0	
2004-Jul-11	1:42	50	16.5	4.9	12.00	4.9	16.6	0	
2004-Jul-11	1:42	46	18.9	4.8	12.13	4.9	19.0	0	
2004-Jul-11	1:43	46	21.4	4.9	12.14	5.1	21.4	0	
2004-Jul-11	1:43	50	23.8	4.9	12.16	5.0	23.9	0	
2004-Jul-11	1:44	41	26.4	5.0	12.14	5.0	26.5	0	
2004-Jul-11	1:44	37	28.9	5.0	11.95	5.0	29.0	0	
2004-Jul-11	1:45	37	31.4	5.0	12.15	5.1	31.5	0	
2004-Jul-11	1:45	37	33.9	5.0	12.36	5.2	34.1	0	
2004-Jul-11	1:46	37	36.4	5.1	12.32	5.2	36.6	0	
2004-Jul-11	1:46	14	38.9	4.4	12.02	4.6	39.1	0	
2004-Jul-11	1:47	-5	40.9	4.0	11.30	4.1	41.1	0	
2004-Jul-11	1:47	-5	42.9	4.0	10.80	4.1	43.2	0	
2004-Jul-11	1:48	-5	44.9	4.1	10.62	4.1	45.2	0	
2004-Jul-11	1:48	-9	47.0	4.0	10.97	3.9	47.3	0	
2004-Jul-11	1:49	23	49.4	4.9	11.70	5.0	49.7	0	
2004-Jul-11	1:49	32	51.9	5.0	12.12	5.1	52.2	0	
2004-Jul-11	1:50	37	54.4	5.0	12.32	5.0	54.8	0	
2004-Jul-11	1:50	37	56.8	4.9	12.34	5.0	57.3	0	
2004-Jul-11	1:51	32	59.3	5.0	11.87	4.9	59.8	0	
2004-Jul-11	1:51	27	61.8	5.0	11.53	5.0	62.2	0	
2004-Jul-11	1:52	27	64.3	5.0	11.63	4.9	64.7	0	
2004-Jul-11	1:52	27	66.8	5.0	11.72	5.0	67.2	0	
2004-Jul-11	1:53	27	69.3	5.0	11.80	5.1	69.8	0	
2004-Jul-11	1:53	27	71.8	5.0	11.82	5.1	72.3	0	
2004-Jul-11	1:54	32	74.3	5.0	11.88	5.0	74.8	0	
2004-Jul-11	1:54	32	76.8	5.0	11.90	5.0	77.3	0	
2004-Jul-11	1:55	32	79.3	5.0	11.89	5.0	79.8	0	
2004-Jul-11	1:55	37	81.8	5.0	12.34	5.1	82.4	0	
2004-Jul-11	1:56	41	84.3	4.9	12.56	5.1	84.9	0	
2004-Jul-11	1:56	37	86.7	5.0	12.18	5.0	87.4	0	
2004-Jul-11	1:57	32	89.2	5.0	12.18	5.0	89.9	0	
2004-Jul-11	1:57	37	91.7	4.9	11.99	5.0	92.4	0	
2004-Jul-11	1:58	32	94.2	4.9	12.05	5.1	95.0	0	
2004-Jul-11	1:58	9	96.3	4.2	12.53	4.2	97.2	0	
2004-Jul-11	1:59	9	98.4	4.1	13.00	4.3	99.3	0	
2004-Jul-11	1:59	37	100.6	4.7	13.42	4.8	101.6	0	
2004-Jul-11	2:00	9	102.8	3.7	13.68	4.0	103.9	0	
2004-Jul-11	2:00	0	104.5	2.7	13.78	3.5	105.7	0	
2004-Jul-11	2:01	0	105.8	2.6	13.89	3.6	107.5	0	
2004-Jul-11	2:01	0	107.1	2.6	14.19	3.7	109.3	0	
2004-Jul-11	2:02	18	108.8	4.0	14.58	4.2	111.1	0	
2004-Jul-11	2:02	27	110.8	4.0	14.85	4.1	113.3	0	
2004-Jul-11	2:03	27	112.8	3.9	14.97	4.0	115.3	0	
2004-Jul-11	2:03	27	114.8	3.9	14.95	4.0	117.3	0	
2004-Jul-11	2:04	27	116.7	3.9	14.81	4.1	119.3	0	

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Well			Field			Service Date		Customer		Job Number
ENGLISH 'H' #4								OXY USA, INC.		2205546302
Date	Time	Treating Pressure	CMT VOL	CMT RATE	CMT DENS	Flowmeter	Flowtot	0	Message	
	24 hr clock	psi	bbl	bbl/min	lb/gal	bbl/min	bbl	0		
2004-Jul-11	2:04	27	118.7	3.9	14.69	4.1	121.3	0		
2004-Jul-11	2:05	23	120.6	3.9	14.67	4.0	123.3	0		
2004-Jul-11	2:05	23	122.5	3.9	14.97	3.9	125.2	0		
2004-Jul-11	2:06	23	124.5	3.9	14.80	4.1	127.2	0		
2004-Jul-11	2:06	23	126.4	3.8	14.77	3.9	129.2	0		
2004-Jul-11	2:07	23	128.3	3.9	15.10	3.9	131.2	0		
2004-Jul-11	2:07	27	130.3	3.9	14.86	4.2	133.2	0		
2004-Jul-11	2:08	27	132.2	3.9	14.78	4.2	135.3	0		
2004-Jul-11	2:08	-73	132.7	0.0	10.27	5.7	137.5	0		
2004-Jul-11	2:09	-73	132.7	0.0	9.48	5.5	140.2	0		
2004-Jul-11	2:09	-69	132.7	0.0	9.50	5.5	143.0	0		
2004-Jul-11	2:10	-27	132.7	0.0	9.42	4.7	145.7	0		
2004-Jul-11	2:10	-23	133.0	1.2	9.10	3.8	147.3	0		
2004-Jul-11	2:11	-23	133.6	1.2	8.61	3.7	149.3	0		
2004-Jul-11	2:11	-23	134.1	1.2	8.49	4.0	151.2	0		
2004-Jul-11	2:12	-27	134.7	1.2	8.53	4.3	153.3	0		
2004-Jul-11	2:12	-27	135.3	1.2	8.38	4.2	155.4	0		
2004-Jul-11	2:13	-27	135.9	1.2	8.35	4.2	157.5	0		
2004-Jul-11	2:13	-27	136.5	1.2	8.25	3.9	159.5	0		
2004-Jul-11	2:14	-14	137.1	1.2	8.35	4.6	161.6	0		
2004-Jul-11	2:14	-14	137.7	1.2	8.38	4.3	164.0	0		
2004-Jul-11	2:15	-14	138.3	1.2	8.36	3.8	166.0	0		
2004-Jul-11	2:15	-14	138.9	0.9	8.36	3.2	167.8	0		
2004-Jul-11	2:16	-9	140.2	2.9	8.36	3.5	169.4	0		
2004-Jul-11	2:16	-5	141.6	2.9	8.36	2.9	170.9	0		
2004-Jul-11	2:17	0	143.1	2.5	8.36	2.7	172.4	0		
2004-Jul-11	2:17	0	144.1	2.0	8.36	2.1	173.5	0		
2004-Jul-11	2:18	-9	145.1	0.1	8.36	3.8	174.7	0		
2004-Jul-11	2:18	-14	145.1	0.0	8.26	5.9	177.4	0		
2004-Jul-11	2:19	-14	145.1	0.0	8.27	6.0	180.3	0		
2004-Jul-11	2:19	-14	145.1	0.0	8.28	5.9	183.3	0		
2004-Jul-11	2:20	-14	145.1	0.0	8.29	6.0	186.3	0		
2004-Jul-11	2:20	-14	145.1	0.0	8.32	3.9	188.8	0		
2004-Jul-11	2:21	-14	145.1	0.0	8.28	5.9	191.4	0		
2004-Jul-11	2:21	5	145.1	1.7	8.35	1.2	193.4	0		
2004-Jul-11	2:22	32	146.3	3.0	8.35	3.1	194.6	0		
2004-Jul-11	2:22	46	147.8	3.0	8.35	3.1	196.1	0		
2004-Jul-11	2:23	50	149.4	3.0	8.35	3.0	197.6	0		
2004-Jul-11	2:23	64	150.8	3.0	8.33	3.1	199.1	0		
2004-Jul-11	2:24	73	152.3	2.9	8.35	3.0	200.6	0		
2004-Jul-11	2:24	96	153.8	2.9	8.35	2.9	202.1	0		
2004-Jul-11	2:25	92	155.2	2.9	8.35	2.9	203.6	0		
2004-Jul-11	2:25	96	156.6	2.8	8.35	2.8	205.0	0		
2004-Jul-11	2:26	105	157.7	2.0	8.35	2.0	206.1	0		
2004-Jul-11	2:26	105	158.7	2.0	8.35	2.0	207.1	0		
2004-Jul-11	2:27	110	159.7	2.0	8.35	2.0	208.1	0		
2004-Jul-11	2:27	119	160.7	2.0	8.35	2.0	209.1	0		
2004-Jul-11	2:28	124	161.7	2.0	8.35	2.0	210.1	0		
2004-Jul-11	2:28	133	162.7	2.0	8.35	1.9	211.1	0		
2004-Jul-11	2:29	508	163.6	0.0	8.35	5.0	212.2	0		
2004-Jul-11	2:29	458	163.6	0.0	1.05	0.0	213.5	0		
2004-Jul-11	2:30	105	163.6	0.0	1.01	0.0	213.5	0		
2004-Jul-11	2:30	96	163.6	0.0	1.01	0.0	213.5	0		
2004-Jul-11	2:31	96	163.6	0.0	4.03	0.0	213.5	0		

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Well ENGLISH 'H' #4			Field			Service Date		Customer OXY USA, INC.		Job Number 2205546302					
Date	Time	Treating Pressure	CMT VOL	CMT RATE	CMT DENS	Flowmeter	Flowtot	0	Message						
	24 hr clock	psi	bbbl	bbbl/min	lb/gal	bbbl/min	bbbl	0							
2004-Jul-11	2:31	119	163.7	0.8	8.35	0.8	213.6	0							
2004-Jul-11	2:32	119	164.2	0.9	8.36	0.9	214.0	0							
2004-Jul-11	2:32	764	164.5	0.0	8.32	5.9	215.0	0							
2004-Jul-11	2:33	14	164.5	0.0	1.06	0.0	216.1	0							
2004-Jul-11	2:33	-69	164.5	0.0	1.01	0.0	216.1	0							
2004-Jul-11	2:34	-69	164.5	0.0	1.00	0.0	216.1	0							
Post Job Summary															
Average Pump Rates, bpm						Volume of Fluid Injected, bbl									
Slurry		N2		Mud		Maximum Rate		Total Slurry		Mud		Spacer		N2	
3.4						4.91		169.51		0		0.32			
Treating Pressure Summary, psi						Breakdown Fluid									
Maximum		Final		Average		Bump Plug to		Breakdown		Volume		Density			
769.01				29.99						bbl		lb/gal			
Avg. N2 Percent		Designed Slurry Volume		Displacement		Mix Water Temp		<input checked="" type="checkbox"/> Cement Circulated to Surface?		Volume		15 bbl			
%		bbl		47 bbl		°F		<input type="checkbox"/> Washed Thru Perfs		To		ft			
Customer or Authorized Representative				Schlumberger Supervisor											
Willimon, Wes				Halpain, Erik				<input type="checkbox"/> CirculationLost		<input checked="" type="checkbox"/> Job Completed					

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Service Order

2004-Oct-28

Customer OXY USA, INC.		Person Taking Call Ousley, John		DownH Location Perryton, TX		Order Date 2004-Jul-02	Job Number 2205546302
Well Name and Number ENGLISH 'H' 4		Legal Location	Field		County GRANT	State/Province KANSAS	
Well Master: 0630594535		API / UWI:					
Rig Name MURFIN 20		Well Age New	Sales Engineer Cambern, Charles		Job Type Cem Surface Casing		
Time Well Ready: 7/11/2004 12:00 AM	Deviation *	BH Size 12.3 in	Well MD 800 ft	Well TVD 800 ft	BHP psi	BHST 90 °F	BHCT °F
Treat Down Casing	Packer Type	Packer Depth ft	Wellhead Connection 8 5/8 HS&M	HHP on Location	Max Allowed Pressure 1000	Max Allowed Ann Pressure	
Casing					Services Instructions: CEMENT 8 5/8 CASING WITH: 220 SKS 35/65 POZ C+8%D20+2%S1+0.5 PPS D29 150 SKS CLASS C + 2% S1 + 0.25 PPS D29 Extra Equipment: 1 PUMP 1 ABT 1 CEMCAT		
Depth, ft	Size, in	Weight, lb/ft	Grade	Thread			
800	8.63	24	K55	8RD			
Tubing							
Depth, ft	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: 7/11/2004 12:00 AM Ready To Pump: 7/11/2004 1:30 AM							

Contact	Voice	Mobile	FAX	Notes
Greg Fillpot		1 620 353 8869		
RODNEY-MURFIN 20		1 785 694 3669		
RODNEY-MURFIN 20		1 785 694 3669		

Notes:
 FLOAT EQUIPMENT= 1 (8 5/8) TOP WOODEN PLUG

Directions:
 FROM PERRYTON TX === NORTH ON HWY 83 TO SUBLETTE, KS, === 6 NORTH TO HWY 160 (ULYSSES BLACKTOP) === 16 MI WEST ON HWY 160 === 4 1/2 NORTH === 1/4 EAST & SOUTH INTO

Other Notes:
 FOLLOW ALL CONVOY POLICIES AND BE SAFE!!!!
 WATCH OUT AT ALL TRAFFIC INTERSECTIONS!!!!

Comments:

Fluid Systems:

LEAD			
220 SKS 35/65 POZ. C+6%D20+2%S1+0.5PPS D29			
Density:	12	lb/gal	Thickening Time:
Yield:	2.81	ft ³ /sk	
H2O Mix:	15.16	gal/sk	
H2O:	3335.2	gal	Eq. Sack Weight: 88.75 lb
		Total Blend:	220 sacks
Dowell Code	Conc/ Amount	Total Quantity	
CLASS C	61.1 lbs/sk	13442	
D029	0.5 lbs/sk	110	
D132	27.65 lbs/sk	6063	
S001	1.775 lbs/sk	390.5	
D020	5.325 lbs/sk	1171.5	

TAIL			
150 SKS CLASS C + 2%S1+0.25PPS D29			
Density:	14.8	lb/gal	Thickening Time:
Yield:	1.34	ft ³ /sk	
H2O Mix:	6.3	gal/sk	
H2O:	945	gal	Eq. Sack Weight: 94 lb
		Total Blend:	150 sacks
Dowell Code	Conc/ Amount	Total Quantity	
D029	0.25 lbs/sk	37.5	
S001	1.85 lbs/sk	282	
CLASS C	94 lbs/sk	14100	

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Cementing Service Report

Customer OXY USA, INC.						Job Number 2205546363							
Well KCC OCT 28 2004 ENGLISH 'H' 4			Location (legal)			Schlumberger Location Perryton, TX			Job Start 2004-Jul-14				
Field			Formation Name/Type			Deviation	Bit Size 7.88 in	Well MD 3,105 ft	Well TVD 3,105 ft				
County GRANT			State/Province KANSAS			BHP psi	BHST 111 °F	BHCT °F	Pore Press. Gradient psi/ft				
Well Master: 0630594535			API / UWI:			Casing/Liner							
Rig Name MURFIN 20		Drilled For Oil & Gas		Service Via		Depth, ft 3104	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 2000 psi		Max. Allowed Ann. Pressure psi		Wellhead Connection 4 1/2 HSM		Top, ft	Bottom, ft	spf	No. of Shots	Total Interval ft			
Service Instructions CEMENT 4 1/2 PROD. CASING WITH: 20 BBL CW100 25 SKS CLASS C+3%D79+0.2%D46+0.25PPS D29(RAT/MOUSE) 200 SKS CLASS C+3%D79+0.2%D46+0.25PPS D29(LEAD) 260 SKS 50/50 POZ CLASS H + ADDS.(TAIL) DISPLACE WITH 2% KCL & 1 lb. B69						Treat Down Casing	Displacement 48.7 bbl	Packer Type	Packer Depth ft				
						Tubing Vol. bbl	Casing Vol. 49 bbl	Annular Vol. 126 bbl	Open Hole Vol. 175 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: 900 psi						Shoe Type:			Squeeze Type				
Pipe Rotated <input type="checkbox"/>						Pipe Reciprocated <input type="checkbox"/>			Shoe Depth: 3104 ft			Tool Type:	
No. Centralizers: Top Plugs: 1 Bottom Plugs: 1						Stage Tool Type:			Tool Depth: ft				
Cement Head Type: Single						Stage Tool Depth: ft			Tail Pipe Size: in				
Job Scheduled For: Arrived on Location: 2004-Jul-14 16:00 Leave Location: 2004-Jul-14 19:30						Collar Type:			Tail Pipe Depth: ft				
						Collar Depth: 3061 ft			Sqz Total Vol: bbl				
Date	Time	Treating Pressure 24 hr clock psi	Flow Rate bbl/min	Density lb/gal	Volume bbl	0	0	0	Message				
2004-Jul-14	17:30	4234	0.0	8.16	0.0	0	0	0					
2004-Jul-14	17:30	4225	0.0	8.16	0.0	0	0	0					
2004-Jul-14	17:30								Start Job				
2004-Jul-14	17:30	4207	0.0	8.16	0.0	0	0	0	Pressure Test Lines				
2004-Jul-14	17:30												
2004-Jul-14	17:31	4079	0.0	8.16	0.0	0	0	0					
2004-Jul-14	17:31	4001	0.0	8.16	0.0	0	0	0					
2004-Jul-14	17:32	-5	0.0	8.16	0.0	0	0	0					
2004-Jul-14	17:32	0	0.0	8.16	0.0	0	0	0					
2004-Jul-14	17:33	261	5.7	8.18	1.2	0	0	0					
2004-Jul-14	17:33	206	5.7	8.18	4.1	0	0	0					
2004-Jul-14	17:34	206	5.7	8.18	6.9	0	0	0					
2004-Jul-14	17:34	211	5.7	8.18	9.8	0	0	0					
2004-Jul-14	17:35	206	5.7	8.18	12.7	0	0	0					
2004-Jul-14	17:35	211	5.7	8.18	15.5	0	0	0					
2004-Jul-14	17:36	220	5.7	8.17	18.4	0	0	0					
2004-Jul-14	17:36	-46	0.2	8.18	21.0	0	0	0					
2004-Jul-14	17:37	-9	0.0	8.18	21.0	0	0	0					
2004-Jul-14	17:37	0	0.0	8.16	21.0	0	0	0					
2004-Jul-14	17:38	-5	0.0	10.63	21.0	0	0	0					
2004-Jul-14	17:38	41	0.0	11.34	21.0	0	0	0					
2004-Jul-14	17:39	73	0.0	12.26	21.0	0	0	0					

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Well		Field			Service Date		Customer			Job Number
ENGLISH 'H' #4					04196-Jul-14		OXY USA, INC.			2205546363
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message	
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0		
2004-Jul-14	17:39	-5	0.0	12.13	21.0	0	0	0		
2004-Jul-14	17:40	0	0.5	10.33	21.1	0	0	0		
2004-Jul-14	17:40	0	0.4	10.67	21.4	0	0	0		
2004-Jul-14	17:41	-5	0.1	12.14	21.6	0	0	0		
2004-Jul-14	17:41	-5	0.0	12.02	21.6	0	0	0		
2004-Jul-14	17:42	-5	0.0	12.01	21.6	0	0	0		
2004-Jul-14	17:42	-5	0.0	12.00	21.6	0	0	0		
2004-Jul-14	17:43	73	0.0	12.18	21.6	0	0	0		
2004-Jul-14	17:43	50	0.0	12.16	21.6	0	0	0		
2004-Jul-14	17:44	-5	0.4	12.15	21.7	0	0	0		
2004-Jul-14	17:44	-5	0.4	12.18	21.9	0	0	0		
2004-Jul-14	17:45	-5	0.4	9.26	22.1	0	0	0		
2004-Jul-14	17:45	-5	0.4	9.28	22.3	0	0	0		
2004-Jul-14	17:46	-5	0.4	9.31	22.5	0	0	0		
2004-Jul-14	17:46	270	5.0	9.28	22.9	0	0	0		
2004-Jul-14	17:46								Reset Total, Vol = 23.03 bbl	
2004-Jul-14	17:46	307	5.4	9.39	23.0	0	0	0		
2004-Jul-14	17:46	261	5.4	9.79	0.4	0	0	0		
2004-Jul-14	17:46								Start Mixing Lead Slurry	
2004-Jul-14	17:47	298	5.4	12.21	2.5	0	0	0		
2004-Jul-14	17:47	266	5.2	11.79	5.2	0	0	0		
2004-Jul-14	17:48	224	5.4	12.22	7.9	0	0	0		
2004-Jul-14	17:48	211	5.4	12.77	10.6	0	0	0		
2004-Jul-14	17:49	151	4.7	11.39	13.3	0	0	0		
2004-Jul-14	17:49	133	5.4	11.90	16.0	0	0	0		
2004-Jul-14	17:50	114	5.4	11.85	18.7	0	0	0		
2004-Jul-14	17:50	110	5.4	11.82	21.4	0	0	0		
2004-Jul-14	17:51	114	5.4	11.80	24.1	0	0	0		
2004-Jul-14	17:51	114	5.4	11.78	26.8	0	0	0		
2004-Jul-14	17:52	101	5.1	11.54	29.4	0	0	0		
2004-Jul-14	17:52	114	5.1	13.15	32.0	0	0	0		
2004-Jul-14	17:53	133	5.4	12.55	34.7	0	0	0		
2004-Jul-14	17:53	124	5.4	12.16	37.4	0	0	0		
2004-Jul-14	17:54	105	5.4	12.15	40.2	0	0	0		
2004-Jul-14	17:54	105	5.0	12.30	42.7	0	0	0		
2004-Jul-14	17:55	133	5.4	12.33	45.2	0	0	0		
2004-Jul-14	17:55	128	5.4	12.06	47.9	0	0	0		
2004-Jul-14	17:56	92	5.4	12.05	50.6	0	0	0		
2004-Jul-14	17:56	146	5.4	12.92	53.3	0	0	0		
2004-Jul-14	17:57	124	5.4	12.01	56.0	0	0	0		
2004-Jul-14	17:57	114	5.4	12.05	58.7	0	0	0		
2004-Jul-14	17:58	133	5.4	12.58	61.4	0	0	0		
2004-Jul-14	17:58	114	5.4	11.79	64.1	0	0	0		
2004-Jul-14	17:59	119	5.4	12.05	66.9	0	0	0		
2004-Jul-14	17:59	124	5.4	12.16	69.6	0	0	0		
2004-Jul-14	18:00	119	5.4	11.96	72.3	0	0	0		
2004-Jul-14	18:00	119	5.4	11.93	75.0	0	0	0		
2004-Jul-14	18:01	114	5.4	11.93	77.7	0	0	0		
2004-Jul-14	18:01	114	5.4	11.78	80.5	0	0	0		
2004-Jul-14	18:02	114	5.4	11.99	83.2	0	0	0		
2004-Jul-14	18:02	69	4.4	11.69	85.7	0	0	0		
2004-Jul-14	18:03								End Lead Slurry	
2004-Jul-14	18:03	119	5.4	12.60	87.8	0	0	0		
2004-Jul-14	18:03	124	5.4	12.69	88.0	0	0	0		

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Well		Field			Service Date		Customer			Job Number
ENGLISH 'H' #4					04196-Jul-14		OXY USA, INC.			2205546363
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message	
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0		
2004-Jul-14	18:03	128	5.4	12.74	88.1	0	0	0		
2004-Jul-14	18:03								Reset Total, Vol = 88.07 bbl	
2004-Jul-14	18:03	128	5.4	12.88	0.3	0	0	0		
2004-Jul-14	18:03								Start Mixing Tail Slurry	
2004-Jul-14	18:03	197	5.4	14.30	2.6	0	0	0		
2004-Jul-14	18:04	165	5.4	13.63	5.3	0	0	0		
2004-Jul-14	18:04	192	5.4	14.26	8.1	0	0	0		
2004-Jul-14	18:05	211	5.4	14.30	10.9	0	0	0		
2004-Jul-14	18:05	165	5.4	13.65	13.6	0	0	0		
2004-Jul-14	18:06	179	5.4	13.87	16.3	0	0	0		
2004-Jul-14	18:06	206	5.4	14.36	19.0	0	0	0		
2004-Jul-14	18:07	197	5.4	14.04	21.8	0	0	0		
2004-Jul-14	18:07	174	5.4	13.62	24.5	0	0	0		
2004-Jul-14	18:08	160	5.4	13.62	27.2	0	0	0		
2004-Jul-14	18:08	174	5.5	14.02	29.9	0	0	0		
2004-Jul-14	18:09	192	5.4	14.11	32.7	0	0	0		
2004-Jul-14	18:09	160	5.2	13.53	35.4	0	0	0		
2004-Jul-14	18:10	32	3.2	13.44	37.6	0	0	0		
2004-Jul-14	18:10	169	5.4	13.40	39.3	0	0	0		
2004-Jul-14	18:11	156	5.1	14.48	41.9	0	0	0		
2004-Jul-14	18:11	201	5.4	14.05	44.7	0	0	0		
2004-Jul-14	18:12	211	5.4	14.17	47.4	0	0	0		
2004-Jul-14	18:12	201	5.4	13.90	50.1	0	0	0		
2004-Jul-14	18:13	188	5.4	13.62	52.8	0	0	0		
2004-Jul-14	18:13	215	5.4	14.26	55.5	0	0	0		
2004-Jul-14	18:14	211	5.4	14.18	58.3	0	0	0		
2004-Jul-14	18:14	183	5.4	13.80	61.0	0	0	0		
2004-Jul-14	18:15	188	5.2	14.07	63.6	0	0	0		
2004-Jul-14	18:15	192	5.2	14.32	66.3	0	0	0		
2004-Jul-14	18:15								Start Mixing Lead Slurry	
2004-Jul-14	18:15	188	5.2	14.33	66.5	0	0	0		
2004-Jul-14	18:16	201	5.4	14.26	68.9	0	0	0		
2004-Jul-14	18:16	160	4.8	14.56	71.5	0	0	0		
2004-Jul-14	18:17	73	3.0	14.33	73.3	0	0	0		
2004-Jul-14	18:17	-14	0.0	14.33	73.6	0	0	0		
2004-Jul-14	18:17								End Tail Slurry	
2004-Jul-14	18:17	-9	0.0	14.32	73.6	0	0	0		
2004-Jul-14	18:17								Reset Total, Vol = 73.63 bbl	
2004-Jul-14	18:17	-5	0.0	14.31	0.0	0	0	0		
2004-Jul-14	18:18	-14	0.0	9.82	0.0	0	0	0		
2004-Jul-14	18:18	-14	0.0	9.82	0.0	0	0	0		
2004-Jul-14	18:19	-9	0.0	9.74	0.0	0	0	0		
2004-Jul-14	18:19	215	5.4	9.53	1.6	0	0	0		
2004-Jul-14	18:20	183	5.4	8.73	4.3	0	0	0		
2004-Jul-14	18:20	160	5.4	8.24	7.0	0	0	0		
2004-Jul-14	18:21	165	5.4	8.17	9.7	0	0	0		
2004-Jul-14	18:21	110	5.4	8.17	12.4	0	0	0		
2004-Jul-14	18:22	188	5.7	8.17	15.0	0	0	0		
2004-Jul-14	18:22	-46	0.0	8.17	17.6	0	0	0		
2004-Jul-14	18:22								Reset Total, Vol = 17.58 bbl	
2004-Jul-14	18:22	-41	0.0	8.18	17.6	0	0	0		
2004-Jul-14	18:23	-18	0.0	8.17	0.0	0	0	0		
2004-Jul-14	18:23	-18	0.0	8.18	0.0	0	0	0		
2004-Jul-14	18:23								Drop Top Plug	

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Well		Field		Service Date		Customer			Job Number
ENGLISH 'H' #4				04196-Jul-14		OXY USA, INC.			2205546363
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0	
2004-Jul-14	18:23								Start Displacement
2004-Jul-14	18:23	73	1.3	8.17	0.1	0	0	0	
2004-Jul-14	18:23	60	5.5	8.17	1.4	0	0	0	
2004-Jul-14	18:24	60	5.5	8.17	4.1	0	0	0	
2004-Jul-14	18:24	105	6.5	8.16	6.9	0	0	0	
2004-Jul-14	18:25	101	6.5	8.17	10.2	0	0	0	
2004-Jul-14	18:25	73	6.5	8.17	13.4	0	0	0	
2004-Jul-14	18:26	197	6.6	8.17	16.7	0	0	0	
2004-Jul-14	18:26	247	6.6	8.17	20.0	0	0	0	
2004-Jul-14	18:27	330	6.5	8.17	23.3	0	0	0	
2004-Jul-14	18:27	412	6.6	8.17	26.5	0	0	0	
2004-Jul-14	18:28	385	5.7	8.17	29.7	0	0	0	
2004-Jul-14	18:28	536	5.6	8.17	32.6	0	0	0	
2004-Jul-14	18:29	558	5.6	8.17	35.4	0	0	0	
2004-Jul-14	18:29	586	5.6	8.18	38.2	0	0	0	
2004-Jul-14	18:30	627	5.6	8.17	41.0	0	0	0	
2004-Jul-14	18:30	577	2.1	8.17	42.7	0	0	0	
2004-Jul-14	18:31	581	2.1	8.17	43.8	0	0	0	
2004-Jul-14	18:31	609	2.1	8.17	44.8	0	0	0	
2004-Jul-14	18:32	623	2.1	8.17	45.8	0	0	0	
2004-Jul-14	18:32	664	2.1	8.18	46.9	0	0	0	
2004-Jul-14	18:33	664	2.1	8.17	47.9	0	0	0	
2004-Jul-14	18:33	728	2.0	8.18	48.9	0	0	0	
2004-Jul-14	18:34	1433	0.0	8.17	49.4	0	0	0	
2004-Jul-14	18:34	1419	0.0	8.17	49.4	0	0	0	
2004-Jul-14	18:34								Bump Top Plug
2004-Jul-14	18:34								End Displacement
2004-Jul-14	18:34	1410	0.0	8.17	49.4	0	0	0	
2004-Jul-14	18:34								Reset Total, Vol = 49.44 bbl
2004-Jul-14	18:34	1419	0.0	8.17	49.4	0	0	0	
2004-Jul-14	18:34	1419	0.0	8.17	0.0	0	0	0	
2004-Jul-14	18:35	1002	0.0	8.17	0.0	0	0	0	
2004-Jul-14	18:35	-23	0.0	8.17	0.0	0	0	0	
2004-Jul-14	18:35								End Job
2004-Jul-14	18:35	-23	0.0	8.17	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			6.5	165		20			
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density			
			1400		bbl	lb/gal			
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input type="checkbox"/> Cement Circulated to Surface? Volume					
%	165 bbl	49 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	
Fillpot, Gregg			Ahrends, Timothy						

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Date	07/14/04
Company	OXY
Job Number	2205546363
Well Name	English H
Well Number	1
County	Grant
State	TX

Schlumberger

Pipe Size	4 1/2	
Pipe Weight	10.5	10.5
Pipe Depth	3104	
Shoe Length	43	
Insert Depth	3061	
Hole Size	7 7/8	
Hole Depth	3105	

1st System	
200 sacks	C
2.61 yield	
12 weight	
15.2 water	72.2
cubic ft.	522
height	2291
bbls	93

175	Pipe Volume	49
	Annular Volume	126
	Total Cement	165
	Total Water	165

Pipe Factor	0.0159	0.0159
Annular Factor	0.0406	
Height Factor	4.3898	

2nd System	
260 sacks	H
1.55 yield	
13.8 weight	
7.1 water	44
cubic ft.	403
height	1769
bbls	71.8

Casing lift	2049
Cement lift	971

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

Test 3000

0 Mud

20 Chemical Wash

93 Lead 12

72 Tail 13.8

48.7 Displacement

2000 Maximum Pressure

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

Pump Time @ 5 BPM 43 MIN

Schlumberger Private

RECEIVED
OCT 29 2004
KCC WICHITA