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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: Regency
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:
[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.
03/10/06 03/19/06 04/27/06
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 081-21639 -00-00
County: Haskell
- N/2 - SE - SW Sec 25 Twp. 30 S. R. 32W
950 feet from (S) N (circle one) Line of Section
2063 feet from E (W) (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW (SW)
Lease Name: Halley A Well #: 3
Field Name:
Producing Formation: Morrow
Elevation: Ground: 2842 Kelly Bushing: 2853
Total Depth: 5775 Plug Back Total Depth: 5723
Amount of Surface Pipe Set and Cemented at 1832 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 ALT I WITHM 7-17-07
(Data must be collected from the Reserve Pit)
Chloride content 2700 mg/l ppm Fluid volume 1550 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 07/06/06
Subscribed and sworn to before me this 6th day of July
20 06
Notary Public: Anita Peterson
Date Commission Expires: Oct. 1, 2009

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

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

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COMPLETION

Side Two

Operator Name: OXY USA Inc. Lease Name: Halley A Well #: 3

Sec. 25 Twp. 30 S. R. 32W 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, Samples Sent to Geological Survey, Cores Taken, Electric Log Run, List All E. Logs Run, Log Formation (Top), Depth and Datum, Sample

CASING RECORD

New Used

Report all strings set-conductor, surface, intermediate, production, etc.

Table with 8 columns: Purpose of String, Size Hole Drilled, Size Casing Set, Weight Lbs./ft., Setting Depth, Type of Cement, # Sacks Used, Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD

Table with 5 columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives

Table with 3 columns: Shots Per Foot, PERFORATION RECORD, Acid, Fracture, Shot, Cement Squeeze Record

TUBING RECORD: Size, Set At, Packer At, Liner Run

Date of First, Resumed Production, SWD or Enhr., Producing Method

Estimated Production Per 24 Hours, Oil BBLs, Gas Mcf, Water Bbls, Gas-Oil Ratio, Gravity

Disposition of Gas, METHOD OF COMPLETION, Production Interval

Well		Field			Service Date		Customer		Job Number
Oxy Halley #A-3					0671-Mar-12		OXY RESOURCES CALIFORNIA LLC ORCA		2205550465
Date	Time	Treating Pressure	Flow Rate	Density	CMT STG VOL	CMT VOL	0	0	Message
	24 hr clock	psi	bbf/min	lb/gal	bbf	bbf	0	0	
2006-Mar-12	22:32								Start Mixing Lead Slurry
2006-Mar-12	22:32	224	6.0	9.38	11.2	11.2	0	0	
2006-Mar-12	22:32	247	6.0	11.13	1.8	2.0	0	0	
2006-Mar-12	22:33	275	6.1	11.95	4.8	5.0	0	0	
2006-Mar-12	22:33	339	7.5	12.24	8.2	8.4	0	0	
2006-Mar-12	22:34	334	7.7	12.12	12.1	12.3	0	0	
2006-Mar-12	22:34	307	7.7	12.21	15.9	16.1	0	0	
2006-Mar-12	22:35	279	7.5	12.30	19.8	20.0	0	0	
2006-Mar-12	22:35	233	6.7	12.15	23.4	23.5	0	0	
2006-Mar-12	22:36	238	6.8	12.26	26.7	26.9	0	0	
2006-Mar-12	22:36	224	6.7	12.50	30.1	30.3	0	0	
2006-Mar-12	22:37	220	6.9	12.43	33.5	33.7	0	0	
2006-Mar-12	22:37	211	6.9	12.32	36.9	37.1	0	0	
2006-Mar-12	22:38	233	7.5	12.28	40.6	40.8	0	0	
2006-Mar-12	22:38	243	7.7	12.17	44.4	44.6	0	0	
2006-Mar-12	22:39	247	7.8	12.24	48.3	48.5	0	0	
2006-Mar-12	22:39	247	7.7	12.27	52.1	52.3	0	0	
2006-Mar-12	22:40	233	7.7	12.28	56.0	56.2	0	0	
2006-Mar-12	22:40	238	7.7	12.29	59.8	60.0	0	0	
2006-Mar-12	22:41	233	7.7	12.28	63.7	63.9	0	0	
2006-Mar-12	22:41	233	7.8	12.01	67.5	67.7	0	0	
2006-Mar-12	22:42	229	7.8	12.16	71.4	71.6	0	0	
2006-Mar-12	22:42	238	7.7	12.35	75.3	75.5	0	0	
2006-Mar-12	22:43	229	7.7	12.45	79.1	79.3	0	0	
2006-Mar-12	22:43	238	7.7	12.26	83.0	83.2	0	0	
2006-Mar-12	22:44	229	7.7	12.34	86.8	87.0	0	0	
2006-Mar-12	22:44	247	7.8	12.30	90.7	90.9	0	0	
2006-Mar-12	22:45	238	7.8	12.29	94.6	94.8	0	0	
2006-Mar-12	22:45	233	7.8	12.28	98.5	98.7	0	0	
2006-Mar-12	22:46	224	7.9	12.25	102.6	102.8	0	0	
2006-Mar-12	22:47	229	7.9	12.28	106.5	106.7	0	0	
2006-Mar-12	22:47	238	7.9	12.27	110.4	110.6	0	0	
2006-Mar-12	22:48	238	7.8	12.21	114.3	114.5	0	0	
2006-Mar-12	22:48	233	7.9	12.21	118.2	118.4	0	0	
2006-Mar-12	22:49	197	7.1	12.29	121.8	122.0	0	0	
2006-Mar-12	22:49	206	7.1	12.31	125.4	125.6	0	0	
2006-Mar-12	22:50	192	7.1	12.34	128.9	129.1	0	0	
2006-Mar-12	22:50	206	7.0	12.27	132.5	132.7	0	0	
2006-Mar-12	22:51	201	7.4	12.27	136.1	136.3	0	0	
2006-Mar-12	22:51	197	7.5	11.95	139.8	140.0	0	0	
2006-Mar-12	22:52	201	7.4	12.28	143.5	143.7	0	0	
2006-Mar-12	22:52	215	7.3	12.27	147.2	147.4	0	0	
2006-Mar-12	22:53	206	7.4	12.21	150.8	151.0	0	0	
2006-Mar-12	22:53	197	7.4	12.21	154.5	154.7	0	0	
2006-Mar-12	22:54	220	7.5	12.25	158.2	158.4	0	0	
2006-Mar-12	22:54	224	7.8	12.28	162.1	162.3	0	0	
2006-Mar-12	22:55	224	7.8	12.33	166.0	166.2	0	0	
2006-Mar-12	22:55	220	7.9	12.24	170.0	170.2	0	0	
2006-Mar-12	22:56	220	7.9	12.26	173.9	174.1	0	0	
2006-Mar-12	22:56	233	7.9	12.21	177.9	178.1	0	0	
2006-Mar-12	22:57	201	7.4	12.17	181.6	181.8	0	0	
2006-Mar-12	22:57	188	6.9	12.17	185.3	185.5	0	0	
2006-Mar-12	22:58	183	7.0	12.17	188.9	189.1	0	0	
2006-Mar-12	22:58	169	6.9	12.24	192.3	192.5	0	0	

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Well		Field			Service Date		Customer		Job Number
Oxy Halley #A-3					0671-Mar-12		OXY RESOURCES CALIFORNIA LLC ORCA		2205550465
Date	Time	Treating Pressure	Flow Rate	Density	CMT STG VOL	CMT VOL	0	0	Message
	24 hr clock	psi	bbbl/min	lb/gal	bbbl	bbbl	0	0	
2006-Mar-12	22:59	165	6.9	12.31	195.8	196.0	0	0	
2006-Mar-12	22:59	192	6.9	12.55	199.2	199.4	0	0	
2006-Mar-12	23:00	183	6.9	12.33	202.7	202.9	0	0	
2006-Mar-12	23:00	183	6.8	12.41	206.1	206.3	0	0	
2006-Mar-12	23:01	183	6.8	12.43	209.5	209.7	0	0	
2006-Mar-12	23:01	169	6.9	12.13	212.9	213.1	0	0	
2006-Mar-12	23:01								Reset Total, Vol = 218 bbl
2006-Mar-12	23:01	160	6.9	12.03	215.7	215.9	0	0	
2006-Mar-12	23:01	156	6.9	12.08	215.8	216.0	0	0	
2006-Mar-12	23:01								End Lead Slurry
2006-Mar-12	23:02	165	6.9	12.26	0.3	0.3	0	0	
2006-Mar-12	23:02	174	6.5	14.62	1.2	3.5	0	0	
2006-Mar-12	23:02								Start Mixing Tail Slurry
2006-Mar-12	23:02	188	6.2	14.74	0.2	0.2	0	0	
2006-Mar-12	23:03	179	5.6	14.87	3.1	3.1	0	0	
2006-Mar-12	23:03	160	5.6	14.85	5.9	5.9	0	0	
2006-Mar-12	23:04	192	6.0	15.05	8.8	8.8	0	0	
2006-Mar-12	23:04	311	7.6	15.10	12.3	12.3	0	0	
2006-Mar-12	23:05	307	7.6	14.93	16.1	16.1	0	0	
2006-Mar-12	23:05	307	7.7	15.03	20.0	20.0	0	0	
2006-Mar-12	23:06	238	6.6	15.20	23.6	23.6	0	0	
2006-Mar-12	23:06	233	6.5	15.12	26.8	26.8	0	0	
2006-Mar-12	23:07	229	6.5	15.05	30.1	30.1	0	0	
2006-Mar-12	23:07	215	6.6	14.78	33.4	33.4	0	0	
2006-Mar-12	23:08	211	6.6	14.86	36.6	36.6	0	0	
2006-Mar-12	23:08	211	6.5	14.65	39.9	39.9	0	0	
2006-Mar-12	23:09	105	4.7	14.67	42.4	42.4	0	0	
2006-Mar-12	23:09	105	4.7	14.67	44.8	44.8	0	0	
2006-Mar-12	23:09	-18	1.6	14.64	45.5	45.5	0	0	
2006-Mar-12	23:09								Reset Total, Vol = 45.52 bbl
2006-Mar-12	23:09								End Tail Slurry
2006-Mar-12	23:09	-23	0.6	14.64	0.0	45.6	0	0	
2006-Mar-12	23:10	-18	0.0	14.65	0.0	0.0	0	0	
2006-Mar-12	23:10	-18	0.0	14.22	0.0	0.0	0	0	
2006-Mar-12	23:11	-18	0.0	12.59	0.0	0.0	0	0	
2006-Mar-12	23:11	-18	0.0	10.79	0.0	0.0	0	0	
2006-Mar-12	23:12	-18	0.0	10.19	0.0	0.0	0	0	
2006-Mar-12	23:12	-14	0.0	9.90	0.0	0.0	0	0	
2006-Mar-12	23:13	-14	0.0	9.73	0.1	0.1	0	0	
2006-Mar-12	23:13	-14	0.0	9.73	0.1	0.1	0	0	
2006-Mar-12	23:14	60	5.2	9.04	1.4	1.4	0	0	
2006-Mar-12	23:14	114	6.7	9.03	4.5	4.5	0	0	
2006-Mar-12	23:14								Drop Top Plug
2006-Mar-12	23:14	114	6.7	8.80	5.2	5.2	0	0	
2006-Mar-12	23:14								Start Displacement
2006-Mar-12	23:14	105	6.7	8.52	5.4	5.4	0	0	
2006-Mar-12	23:15	87	6.8	8.36	7.9	7.9	0	0	
2006-Mar-12	23:15	96	6.9	8.51	11.3	11.3	0	0	
2006-Mar-12	23:16	114	7.0	8.53	14.7	14.7	0	0	
2006-Mar-12	23:16	124	6.9	8.35	18.2	18.2	0	0	
2006-Mar-12	23:17	133	7.0	8.41	21.6	21.6	0	0	
2006-Mar-12	23:17	151	7.0	8.41	25.1	25.1	0	0	
2006-Mar-12	23:18	151	7.0	8.35	28.6	28.6	0	0	
2006-Mar-12	23:18	165	7.0	8.37	32.1	32.1	0	0	

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Well			Field		Service Date		Customer		Job Number
Oxy Halley #A-3					0671-Mar-12		OXY RESOURCES CALIFORNIA LLC ORCA		2205550465
Date	Time	Treating Pressure	Flow Rate	Density	CMT STG VOL	CMT VOL	0	0	Message
	24 hr clock	psi	bbbl/min	lb/gal	bbbl	bbbl	0	0	
2006-Mar-12	23:19	169	7.1	8.37	35.6	35.6	0	0	
2006-Mar-12	23:19	192	7.1	8.35	39.2	39.2	0	0	
2006-Mar-12	23:20	206	7.2	8.33	42.7	42.7	0	0	
2006-Mar-12	23:20	220	7.2	8.35	46.4	46.4	0	0	
2006-Mar-12	23:21	233	7.6	8.35	50.1	50.1	0	0	
2006-Mar-12	23:21	256	7.3	8.36	53.7	53.7	0	0	
2006-Mar-12	23:22	270	7.3	8.35	57.4	57.4	0	0	
2006-Mar-12	23:22	279	7.3	8.35	61.0	61.0	0	0	
2006-Mar-12	23:23	270	6.6	8.35	64.4	64.4	0	0	
2006-Mar-12	23:23	288	6.6	8.35	67.7	67.7	0	0	
2006-Mar-12	23:24	311	6.6	8.35	71.1	71.1	0	0	
2006-Mar-12	23:24	325	6.6	8.35	74.4	74.4	0	0	
2006-Mar-12	23:25	348	6.6	8.35	77.7	77.7	0	0	
2006-Mar-12	23:25	375	6.6	8.35	81.0	81.0	0	0	
2006-Mar-12	23:26	394	6.7	8.35	84.3	84.3	0	0	
2006-Mar-12	23:26	417	6.7	8.35	87.7	87.7	0	0	
2006-Mar-12	23:27	398	6.5	8.35	91.0	91.0	0	0	
2006-Mar-12	23:27	426	6.1	8.35	93.9	93.9	0	0	
2006-Mar-12	23:28	471	6.0	8.35	97.0	97.0	0	0	
2006-Mar-12	23:28	471	6.1	8.35	100.0	100.0	0	0	
2006-Mar-12	23:29	494	6.1	8.35	103.0	103.0	0	0	
2006-Mar-12	23:29	449	3.8	8.35	105.8	105.8	0	0	
2006-Mar-12	23:30	458	2.6	8.35	107.0	107.0	0	0	
2006-Mar-12	23:30	435	2.6	8.35	108.4	108.4	0	0	
2006-Mar-12	23:31	453	2.6	8.35	109.7	109.7	0	0	
2006-Mar-12	23:31	485	2.6	8.35	111.0	111.0	0	0	
2006-Mar-12	23:32	476	2.6	8.35	112.3	112.3	0	0	
2006-Mar-12	23:32	471	2.6	8.35	113.6	113.6	0	0	
2006-Mar-12	23:33	462	2.6	8.35	114.9	114.9	0	0	
2006-Mar-12	23:33	984	0.0	8.35	115.9	115.9	0	0	
2006-Mar-12	23:34	-14	0.0	8.35	115.9	115.9	0	0	
2006-Mar-12	23:34								Reset Total, Vol = 115.88 bbl
2006-Mar-12	23:34	-9	0.0	8.35	115.9	115.9	0	0	
2006-Mar-12	23:34	-9	0.0	8.35	0.0	115.9	0	0	
2006-Mar-12	23:34								Bump Top Plug
2006-Mar-12	23:34	-9	0.0	8.35	0.0	115.9	0	0	
2006-Mar-12	23:34								End Displacement
2006-Mar-12	23:34								End Job
2006-Mar-12	23:34	-9	0.0	8.35	0.0	115.9	0	0	

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Post Job Summary

Average Pump Rates, bpm				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
6			7.8	264		12	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density	
480		300	1000			8.34 lb/gal	
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface?		Volume	75 bbl
%	268 bbl	115 bbl	60 °F	<input type="checkbox"/> Washed Thru Perfs To		ft	
Customer or Authorized Representative			Schlumberger Supervisor				
Willimon, Wes			Grigoriev, Valery				
			<input type="checkbox"/> Circulation Lost		<input checked="" type="checkbox"/> Job Completed		

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Customer OXY RESOURCE CALIFORNIA LLC						Job Number 2205550478					
Well Oxy Halley A-3			Location (legal)			Schlumberger Location Perryton, TX			Job Start 2006-Mar-21		
Field		Formation Name/Type		Deviation		Bit Size 7.88 in	Well MD 5,775 ft	Well TVD 5,775 ft			
County Haskell		State/Province ks		BHP psi	BHST 138 °F	BHCT 110 °F	Pore Press. Gradient psi/ft				
Well Master: 000000009		API / UWI:		Casing/Liner							
Rlg Name MURFIN 20	Drilled For Oil & Gas		Service Via Land		Depth, ft 5766	Size, in 5.5	Weight, lb/ft 17	Grade N80	Thread 8RD		
Offshore Zone	Well Class New	Well Type Exploration			Tubing/Drill Pipe						
Drilling Fluid Type Bentonite		Max. Density 9.2 lb/gal	Plastic Vt: cp 35		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 5 1/2" H&SM			Top, ft	Bottom, ft	spf	No. of Shots	Total Interval ft		
Service Instructions CEMENT 5 1/2" PROD CASING WITH: 20 bbls CW100 185 SK 50/50 POZ:H+2%D20+3%M117+5 pps D42+5 pps D53+0.6%D112+ 0.25%D65+0.25%D46 (this includes 25 sacks for mouse and rat holes)					Diameter in	Treat Down Casing	Displacement 133 bbl	Packer Type	Packer Depth ft		
					Tubing Vol. bbl	Casing Vol. 134 bbl	Annular Vol. 178 bbl	OpenHole Vol 348 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: 4400 psi	Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>	Shoe Type: Guide	Squeeze Type		
No. Centralizers: 16	Top Plugs: 1	Bottom Plugs: 0	Shoe Depth: 5766 ft	Tool Type:							
Cement Head Type: Single			Stage Tool Type:	Tool Depth: ft							
Job Scheduled For:	Arrived on Location: 2006-Mar-20 20:30		Leave Location: 2006-Mar-21 2:30		Stage Tool Depth: ft	Tall Pipe Size: in					
			Collar Type: Auto-Fill	Tall Pipe Depth: ft							
			Collar Depth: 5725 ft	Sqz Total Vol: bbl							

Date	Time	Treating Pressure 24 hr clock psi	Flow Rate bbl/min	Density lb/gal	CMT STG VOL bbl	CMT VOL bbl	0	0	Message
2006-Mar-21	0:34	36	0.0	8.35	0.0	0.0	0	0	
2006-Mar-21	0:35	36	0.0	8.36	0.0	0.0	0	0	
2006-Mar-21	0:36	36	0.0	8.36	0.0	0.0	0	0	
2006-Mar-21	0:37	36	0.0	8.36	0.0	0.0	0	0	
2006-Mar-21	0:38	1967	0.0	8.35	0.5	0.5	0	0	
2006-Mar-21	0:39	338	5.8	8.35	2.2	2.2	0	0	
2006-Mar-21	0:40	324	5.8	8.35	8.1	8.1	0	0	
2006-Mar-21	0:41	310	6.0	8.36	14.0	14.0	0	0	
2006-Mar-21	0:41								Pressure Test Lines
2006-Mar-21	0:41	315	6.0	8.36	16.1	16.1	0	0	
2006-Mar-21	0:42								Start CW100
2006-Mar-21	0:42	301	6.1	8.36	18.0	18.0	0	0	
2006-Mar-21	0:42	297	6.1	8.36	20.1	20.1	0	0	
2006-Mar-21	0:42								Reset Total, Vol = 20.92 bbl
2006-Mar-21	0:42	306	6.1	8.35	20.9	20.9	0	0	
2006-Mar-21	0:42								Start Pumping Spacer
2006-Mar-21	0:42	310	6.2	8.35	0.4	0.4	0	0	
2006-Mar-21	0:43	54	5.4	8.35	5.4	5.4	0	0	
2006-Mar-21	0:43	40	4.0	8.35	5.4	5.4	0	0	
2006-Mar-21	0:43								Reset Total, Vol = 5.44 bbl
2006-Mar-21	0:43								End Spacer
2006-Mar-21	0:43	45	2.7	8.35	0.1	0.1	0	0	

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Well		Field			Service Date	Customer		Job Number	
Oxy Halley #A-3					0680-Mar-21	OXY RESOURCE CALIFORNIA LLC		2205550478	
Date	Time	Treating Pressure	Flow Rate	Density	CMT STG VOL	CMT VOL	0	0	Message
	24 hr clock	psi	bbl/min	lb/gal	bbl	bbl	0	0	
2006-Mar-21	0:44	40	0.0	8.42	0.2	0.2	0	0	
2006-Mar-21	0:45	40	0.1	8.54	0.2	0.2	0	0	KCC
2006-Mar-21	0:46	40	0.1	8.61	0.3	0.3	0	0	JUL 06 2006
2006-Mar-21	0:47	40	0.1	8.55	0.3	0.3	0	0	CONFIDENTIAL
2006-Mar-21	0:48	40	0.0	8.48	0.4	0.4	0	0	
2006-Mar-21	0:49	40	0.0	8.42	0.4	0.4	0	0	
2006-Mar-21	0:50	40	0.0	8.37	0.4	0.4	0	0	
2006-Mar-21	0:50								Batch mix for mouse hole and rat hole
2006-Mar-21	0:50	0	0.0	8.36	0.4	0.4	0	0	
2006-Mar-21	0:51	0	3.0	10.29	0.4	0.4	0	0	
2006-Mar-21	0:52	0	3.0	13.88	0.4	0.4	0	0	
2006-Mar-21	0:53	92	1.7	14.37	1.3	1.3	0	0	
2006-Mar-21	0:54	87	2.3	13.78	3.2	3.2	0	0	
2006-Mar-21	0:55	0	2.9	13.98	3.9	3.9	0	0	
2006-Mar-21	0:56	0	2.9	14.10	3.9	3.9	0	0	
2006-Mar-21	0:57	87	2.2	13.95	5.0	5.0	0	0	
2006-Mar-21	0:58	110	2.6	13.95	7.5	7.5	0	0	
2006-Mar-21	0:59								Reset Total, Vol = 8.22 bbl
2006-Mar-21	0:59	-5	0.0	10.73	8.2	8.2	0	0	
2006-Mar-21	0:59	-5	0.0	10.73	0.0	8.2	0	0	
2006-Mar-21	0:59								Start Cement Slurry
2006-Mar-21	0:59	-5	0.0	10.73	0.0	8.2	0	0	
2006-Mar-21	1:00	211	3.6	12.51	0.8	9.0	0	0	
2006-Mar-21	1:01	375	5.7	14.12	5.5	13.7	0	0	
2006-Mar-21	1:02	334	5.9	13.98	11.3	19.5	0	0	
2006-Mar-21	1:03	233	5.6	13.62	17.2	25.4	0	0	
2006-Mar-21	1:04	233	5.7	13.86	22.8	31.0	0	0	
2006-Mar-21	1:05	243	5.8	13.89	28.5	36.8	0	0	
2006-Mar-21	1:06	261	5.9	14.06	34.3	42.6	0	0	
2006-Mar-21	1:07	114	3.5	14.00	38.8	47.0	0	0	
2006-Mar-21	1:08	110	3.6	13.92	42.3	50.5	0	0	
2006-Mar-21	1:08								Reset Total, Vol = 42.64 bbl
2006-Mar-21	1:08	-14	0.1	13.30	42.6	50.9	0	0	
2006-Mar-21	1:08	-9	0.0	13.29	0.0	0.0	0	0	
2006-Mar-21	1:08								Start Displacement
2006-Mar-21	1:09	-9	2.0	9.37	0.0	0.0	0	0	
2006-Mar-21	1:10	-9	1.7	9.73	0.0	0.0	0	0	
2006-Mar-21	1:11	60	0.9	9.41	0.0	0.0	0	0	
2006-Mar-21	1:12	69	3.2	8.93	0.0	0.0	0	0	
2006-Mar-21	1:13	128	25.0	0.01	0.0	0.0	0	0	
2006-Mar-21	1:14	96	3.8	8.37	0.0	0.0	0	0	
2006-Mar-21	1:15	92	3.8	8.37	0.0	0.0	0	0	
2006-Mar-21	1:16	0	0.0	8.37	0.0	0.0	0	0	
2006-Mar-21	1:17	-5	0.0	8.37	0.0	0.0	0	0	
2006-Mar-21	1:18	78	5.6	8.36	1.6	1.6	0	0	
2006-Mar-21	1:19	82	5.9	8.36	7.4	7.4	0	0	
2006-Mar-21	1:20	78	6.0	8.36	13.4	13.4	0	0	
2006-Mar-21	1:21	82	6.1	8.36	19.4	19.4	0	0	RECEIVED
2006-Mar-21	1:22	87	6.2	8.36	25.6	25.6	0	0	JUL 07 2006
2006-Mar-21	1:23	82	6.3	8.36	31.8	31.8	0	0	KCC WICHITA
2006-Mar-21	1:24	78	5.9	8.36	38.0	38.0	0	0	
2006-Mar-21	1:25	78	5.9	8.36	43.9	43.9	0	0	
2006-Mar-21	1:26	78	6.0	8.36	49.9	49.9	0	0	

Well		Field		Service Date		Customer		Job Number	
Oxy Halley #A-3				0680-Mar-21		OXY RESOURCE CALIFORNIA LLC		2205550478	
Date	Time	Treating Pressure	Flow Rate	Density	CMT STG VOL	CMT VOL	0	0	Message
	24 hr clock	psi	bbl/min	lb/gal	bbl	bbl	0	0	
2006-Mar-21	1:27	78	6.0	8.36	55.9	55.9	0	0	
2006-Mar-21	1:28	78	6.0	8.36	61.9	61.9	0	0	
2006-Mar-21	1:29	82	6.0	8.36	67.9	67.9	0	0	
2006-Mar-21	1:30	82	6.1	8.36	74.0	74.0	0	0	
2006-Mar-21	1:31	78	6.1	8.36	80.0	80.0	0	0	
2006-Mar-21	1:32	82	6.0	8.36	86.1	86.1	0	0	
2006-Mar-21	1:33	82	6.1	8.36	92.2	92.2	0	0	
2006-Mar-21	1:34	82	6.1	8.36	98.4	98.4	0	0	
2006-Mar-21	1:35	78	6.2	8.36	104.6	104.6	0	0	
2006-Mar-21	1:36	288	6.1	8.36	110.7	110.7	0	0	
2006-Mar-21	1:37	307	4.1	8.36	115.8	115.8	0	0	
2006-Mar-21	1:38	389	4.1	8.36	120.0	120.0	0	0	
2006-Mar-21	1:39	481	4.1	8.36	124.1	124.1	0	0	
2006-Mar-21	1:40	481	2.6	8.36	127.3	127.3	0	0	
2006-Mar-21	1:41	531	2.5	8.36	129.9	129.9	0	0	
2006-Mar-21	1:42	577	2.5	8.36	132.4	132.4	0	0	
2006-Mar-21	1:43	632	2.5	8.36	135.0	135.0	0	0	
2006-Mar-21	1:44	-14	0.0	8.36	135.9	135.9	0	0	
2006-Mar-21	1:45	-9	0.0	8.36	135.9	135.9	0	0	
2006-Mar-21	1:46	-5	0.0	8.36	135.9	135.9	0	0	
2006-Mar-21	1:46								Reset Total, Vol = 132.88 bbl
2006-Mar-21	1:46	-5	0.0	8.36	0.0	0.0	0	0	
2006-Mar-21	1:46								End Displacement
2006-Mar-21	1:46	-5	0.0	8.36	0.0	0.0	0	0	
2006-Mar-21	1:46								End Job
2006-Mar-21	1:46	-5	0.0	8.36	0.0	0.0	0	0	

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Post Job Summary

Average Pump Rates, bpm				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
4			6	51	20	5	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density	
650		300	1500		bbl	8.34 lb/gal	
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input type="checkbox"/> Cement Circulated to Surface? Volume bbl <input type="checkbox"/> Washed Thru Perfs To ft			
%	51 bbl	133 bbl	50 °F				
Customer or Authorized Representative			Schlumberger Supervisor			<input type="checkbox"/> CirculationLost <input checked="" type="checkbox"/> Job Completed	
Hanna, Rusty			Grigoriev, Valeriy				

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