



01669642

## CEMENT JOB REPORT



697-16-25A per Sunday Doc # 151 6012

CUSTOMER Occidental Petroleum Corp		DATE 28-OCT-07	F.R. # 444310293	SERV. SUPV. ADAM R OBERHEU								
LEASE & WELL NAME Cascade Creek #597-16-25D - API 05045122190000		LOCATION		COUNTY-PARISH-BLOCK Garfield Colorado								
DISTRICT Grand Junction		DRILLING CONTRACTOR RIG # Trinidad 217		TYPE OF JOB Surface								
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		PHYSICAL SLURRY PROPERTIES								
Cement Plug, Rubber, Top 9-5/8 in		Float Collar, Al Flap, 9-5/8 - 8rd		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT <sup>3</sup>	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER		
		Guide Shoe, Cement Nose, 9-5/8 in										
MATERIALS FURNISHED BY BJ												
GELLED WATER					8.43				30			
FRESH WATER					8.34				20			
PREMLITE+.05LBSSTATIC+.25LBSCELLO+6LBSKOL+5%A-10				942	11.6	2.96	16.63	04:30	496.6	372.99		
5%SMS+4LBSPHENO+10LBSPHENO+CSE-2				0	11.6	2.96	16.63		0	0		
TYPEIII+1%CACL+.25LBSCELLO+6LBSKOL+4LBS+PHENO				350	14.5	1.45	6.25	03:45	90.5	52.15		
FRESH WATER					8.34				205			
SUGAR WATER					8.34				15			
TYPE III+ 10% A-10+ 2% CACL2				100	14.2	1.64	7.97	01:00	28	18.19		
Available Mix Water 1500 Bbl.		Available Displ. Fluid 1000 Bbl.		TOTAL				885.1	443.33			
HOLE			TBG-CSG-D.P.				COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE		
14.75	75	2701	9.625	36	CSG	2701	J-55	2695	2657			
LAST CASING			PKR-CMT RET-BR PL-LINER			PERF. DEPTH		TOP CONN		WELL FLUID		
SIZE	WGT	TYPE	DEPTH	BRAND & TYPE		DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.
				NO PACKER		0			9.625	8RD	WATER BASED MU	8.7
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI		MIX WATER	
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	RATED	Operator		
205	BBLs	FRESH WATER	8.34	552	0	0	0	0	3520	2816	FRAC TANK	
Circulation Prior to Job												
Circulated Well:		Rig <input checked="" type="checkbox"/>	BJ <input type="checkbox"/>	Circulation Time:				Circulation Rate: BPM				
Mud Density In:		8.7 LBS/GAL		Mud Density Out:		8.7 LBS/GAL		PV & YP Mud In:		PV & YP Mud Out:		
Gas Present:		NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/>	Units:				Solids Present at End of Circulation: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>				
Displacement And Mud Removal												
Displaced By:		Rig <input type="checkbox"/>	BJ <input checked="" type="checkbox"/>	Amount Bled Back After Job:				1 BBLs				
Returns During Job:		<input type="checkbox"/> NONE	<input type="checkbox"/> PARTIAL	<input type="checkbox"/> FULL		Method Used to Verify Returns: VISUAL						
Cement Returns at Surface:		<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	Were Returns Planned at Surface: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES								
Pipe Movement:		<input type="checkbox"/> ROTATION	<input type="checkbox"/> RECIPROICATION	<input type="checkbox"/> NONE		<input type="checkbox"/> UNABLE DUE TO STUCK PIPE						
Centralizers:		<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	Quantity:				Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID				
Job Pumped Through:		<input type="checkbox"/> CHOKE MANIFOLD	<input type="checkbox"/> SQUEEZE MANIFOLD	<input checked="" type="checkbox"/> MANIFOLD		<input type="checkbox"/> NO MANIFOLD						
Plugs												
Number of Attempts by BJ:		Competition:				Wiper Balls Used:		<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	Quantity:		
Plug Catcher Used:		<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	Parabow Used:				<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES			
Was There a Bottom:		<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	Top of Plug: FT				Bottom of Plug: FT				
Squeezes (Update Original Treatment Report for Primary Job)												
BLOCK SQUEEZE		<input type="checkbox"/>	SHOE SQUEEZE		<input type="checkbox"/>	TOP OF LINER SQUEEZE		<input type="checkbox"/>	PLANNED		<input type="checkbox"/>	UNPLANNED <input type="checkbox"/>
Liner Packer:		<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	Bond Log:		<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	PSI Applied:		Fluid Weight: LBS/GAL		
Casing Test (Update Original Treatment Report for Primary Job)												
Casing Test Pressure		PSI	With		LBS/GAL	Mud		Time Held: Hours Minutes				
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING:												

## CEMENT JOB REPORT



### Shoe Test (Update Original Treatment Report for Primary Job)

Depth Drilled out of Shoe: FT	Target EMW: LBS/GAL	Actual EMW: LBS/GAL
Number of Times Tests Conducted:	Mud Weight When Test was Conducted: LBS/GAL	
Problems Before Job (I.E. Running Casing, Circulating Well, ETC)		
Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)		
Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)		

TIME HR:MIN.	PRESSURE/RATE DETAIL				EXPLANATION	
	PIPE	ANNULUS	RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	
						SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>
						TEST LINES 3500 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
16:00						Pre convoy Mtg.
16:30						Left Yard
18:30						Arrive Location
19:00						Pre rig up mtg
20:40						pre job JSA
21:29	3500		1	2	H2O	Pressure test lines
21:33	121		5	40	SPACER	SureBond Spacer
21:39	122		4.6	10	SPACER	Water Spacer
21:42	280		3	50	SLURRY	Lead slurry
22:18	307		6.1	130	SLURRY	Lead slurry
22:31	340		6.1	129	SLURRY	Lead slurry
22:32	320		4	20	SLURRY	Tail Slurry
23:08	47		3.2	29	SLURRY	Tail Slurry
00:17	170		3.1	231	SLURRY	Tail Slurry
00:25	170		3.1	36	SLURRY	End tail Slurry
00:30	0		4	10	H2O	Wash Lines
00:32	60		7	10	H2O	Drop plug / displace
00:38	72		5.1	33	H2O	Displacement
01:07	2008		1.6	92	H2O	Displacement Lower rate
01:09	2420		1.6	1	H2O	Bump Plug
01:09	2500		0	0	H2O	Hold pressure 15 min
01:24	2043		0	0	H2O	Bleed off pressure check float
01:30						End Job

BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	Service Supervisor Signature:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	1500	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N		800	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

## CEMENT JOB REPORT



### Shoe Test (Update Original Treatment Report for Primary Job)

Depth Drilled out of Shoe: FT	Target EMW: LBS/GAL	Actual EMW: LBS/GAL
Number of Times Tests Conducted:	Mud Weight When Test was Conducted: LBS/GAL	
Problems Before Job (I.E. Running Casing, Circulating Well, ETC)		
Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)		
Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)		

TIME HR:MIN.	PRESSURE/RATE DETAIL				FLUID TYPE	EXPLANATION
	PIPE	ANNULUS	RATE BPM	Bbl. FLUID PUMPED		
						SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>
						TEST LINES 2500 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
07:50						PRE-CONVOY MEETING
08:00						LEAVE YARD
11:00						ARRIVE LOCATION
11:15						PRE-RIG UP/JSA MEETING
13:00						SAFETY MEETING
14:58	2800	0				PRESSURE TEST
15:00	100	0	4	30	GEL H2O	PUMPED GELLED WATER SPACER
15:07	100	0	4	20	H2O	PUMPED WATER SPACER
15:18	302	0	6.5	5	CMT	BEGAN PUMPING LEAD CEMENT
15:37	280	0	5.9	100	CMT	PUMPING LEAD CEMENT
15:47	200	0	5	150	CMT	PUMPING LEAD CEMENT
16:08	247	0	5.6	250	CMT	PUMPING LEAD CEMENT
16:26	250	0	5.6	350	CMT	PUMPING LEAD CEMENT
16:50	250	0	0	480	CMT	FINISHED PUMPING LEAD
16:51	200	0	4.6	5	CMT	BEGAN PUMPING TAIL CEMENT
17:03	238	0	4.5	50	CMT	PUMPING TAIL
17:14	0	0	0			DROPPED PLUG
17:19	100	0	6.1	10	H2O	PUMPING DISPLACEMENT
17:24	62	0	8.2	50	H2O	PUMPING DISPLACEMENT
17:31	137	0	6.6	100	H2O	PUMPING DISPLACEMENT
17:38	298	0	5.4	150	H2O	PUMPING DISPLACEMENT
17:48	390	0	2	200	H2O	PUMPING DISPLACEMENT
18:02	1800	0		206	H2O	BUMPED PLUG
18:12	232	0	3	15	SUGAR W.	PUMPED SUGAR DON PARASITE LINE
18:30						TURN OVER TO RIG
19:30						OFF DUTY WELL SITE WHILE AWAITING CEMENT
02:45						RIG UP IN CELLAR
03:23	136	0	2.5	24	CMT	PUMPED TOP OUT CEMENT
03:30				26	CMT	PUMPED TOP OUT CEMENT--WAITING
05:15	125	0		6	CMT	PUMPED TOP OUT CEMENT.
05:20						CEMENT TO SURFACE, WASH UP, RELEASED.
06:00						POST RIG DOWN MEETING.
06:45						POST CONVOY AND LEAVE LOCATION.

BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	Service Supervisor Signature:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	1800	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	842	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

# CEMENT JOB REPORT



CUSTOMER Occidental Petroleum Corp		DATE 29-OCT-07	F.R. # 444310293	SERV. SUPV. ADAM R OBERHEU								
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DISTRICT Grand Junction		DRILLING CONTRACTOR RIG # Trinidad 217		TYPE OF JOB Surface								
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		PHYSICAL SLURRY PROPERTIES								
Cement Plug, Rubber, Top 9-5/8 in		Float Collar, AI Flap, 9-5/8 - 8rd		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT <sup>3</sup>	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER		
		Guide Shoe, Cement Nose, 9-5/8 in										
MATERIALS FURNISHED BY BJ												
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FRESH WATER					8.34				20			
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5%SMS+4LBSPHENO+10LBSPHENO+CSE-2				0	11.6	2.96	16.63		0	0		
TYPEIII+1%CACL2+.25LBSCELLO+6LBSKOL+4LBS+PHENO				350	14.5	1.45	6.25	03:45	90.5	52.15		
FRESH WATER					8.34				205			
SUGAR WATER					8.34				15			
TYPE III+ 10% A-10+ 2% CACL2				100	14.2	1.64	7.97	01:00	28	18.19		
Available Mix Water 1500 Bbl.		Available Displ. Fluid 1000 Bbl.		TOTAL				885.1	443.33			
HOLE:			TBG-CSG-D.P.				COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE		
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LAST CASING			PKR-CMT RET-BR PL-LINER			PERF. DEPTH		TOP CONN		WELL FLUID		
SIZE	WGT	TYPE	DEPTH	BRAND & TYPE		DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.
				NO PACKER		0			9.625	8RD	WATER BASED MU	8.7
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI		MIX WATER	
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	RATED	Operator		
205	BBLS	FRESH WATER	8.34	552	0	0	0	0	3520	2816	FRAC TANK	
Circulation Prior to Job												
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>		Circulation Time:		Circulation Rate: BPM								
Mud Density In: 8.7 LBS/GAL		Mud Density Out: 8.7 LBS/GAL		PV & YP Mud In:		PV & YP Mud Out:						
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>		Units:		Solids Present at End of Circulation: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>								
Displacement And Mud Removal												
Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>		Amount Bled Back After Job: 1 BBLS										
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FULL		Method Used to Verify Returns: VISUAL										
Cement Returns at Surface: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Were Returns Planned at Surface: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES										
Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROICATION <input type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE												
Centralizers: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Quantity:		Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID								
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD												
Plugs												
Number of Attempts by BJ:		Competition:		Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Quantity:						
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES										
Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Top of Plug: FT		Bottom of Plug: FT								
Squeezes (Update Original Treatment Report for Primary Job)												
BLOCK SQUEEZE <input type="checkbox"/>		SHOE SQUEEZE <input type="checkbox"/>		TOP OF LINER SQUEEZE <input type="checkbox"/>		PLANNED <input type="checkbox"/>		UNPLANNED <input type="checkbox"/>				
Liner Packer: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Bond Log: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		PSI Applied:		Fluid Weight: LBS/GAL						
Casing Test (Update Original Treatment Report for Primary Job)												
Casing Test Pressure: PSI		With LBS/GAL		Mud		Time Held: Hours Minutes						
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING:												

## CEMENT JOB REPORT



### Shoe Test (Update Original Treatment Report for Primary Job)

Depth Drilled out of Shoe: FT      Target EMW: LBS/GAL      Actual EMW: LBS/GAL  
 Number of Times Tests Conducted:      Mud Weight When Test was Conducted: LBS/GAL

Problems Before Job (I.E. Running Casing, Circulating Well, ETC)

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)

PRESSURE/RATE DETAIL					EXPLANATION		
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES	2500 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
07:50						PRE-CONVOY MEETING	
08:00						LEAVE YARD	
11:00						ARRIVE LOCATION	
11:15						PRE-RIG UP/JSA MEETING	
13:00						SAFETY MEETING	
14:58	2800					PRESSURE TEST	
15:00	100		4	30	GEL H2O	PUMPED GELLED WATER SPACER	
15:07	100		4	20	H2O	PUMPED WATER SPACER	
15:18	302		6.5	5	CMT	BEGAN PUMPING LEAD CEMENT	
15:37	280		5.9	100	CMT	PUMPING LEAD CEMENT	
15:47	200		5	150	CMT	PUMPING LEAD CEMENT	
16:08	247		5.6	250	CMT	PUMPING LEAD CEMENT	
16:26	250		5.6	350	CMT	PUMPING LEAD CEMENT	
16:50	250		0	480	CMT	FINISHED PUMPING LEAD	
16:51	200		4.6	5	CMT	BEGAN PUMPING TAIL CEMENT	
17:03	238		4.5	50	CMT	PUMPING TAIL	
17:14	0		0			DROPPED PLUG	
17:19	100		6.1	10	H2O	PUMPING DISPLACEMENT	
17:24	62		8.2	50	H2O	PUMPING DISPLACEMENT	
17:31	137		6.6	100	H2O	PUMPING DISPLACEMENT	
17:38	298		5.4	150	H2O	PUMPING DISPLACEMENT	
17:48	390		2	200	H2O	PUMPING DISPLACEMENT	
18:02	1800			206	H2O	BUMPED PLUG	
18:12	232		3	15	SUGAR W.	PUMPED SUGAR DON PARASITE LINE	
18:30						TURN OVER TO RIG	
19:30						OFF DUTY WELL SITE WHILE AWAITING CEMENT	

BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	Service Supervisor Signature:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	1800	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	842	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	