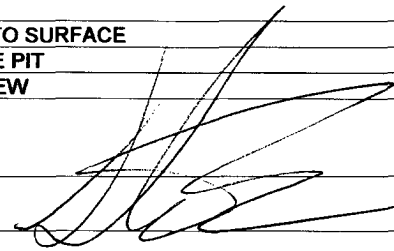




CEMENT JOB REPORT

CUSTOMER Perenco,LLC			DATE 10-DEC-03		F.R. # 272211117		SERV. SUPV. STEVEN E BROWN					
LEASE & WELL NAME STATE 1624 # 291 - API 30015330550000			LOCATION SEC 29 T16S R24E				COUNTY-PARISH-BLOCK Eddy New Mexico					
DISTRICT Artesia			DRILLING CONTRACTOR RIG # PATTERSON # 495				TYPE OF JOB Squeeze-Top					
SIZE & TYPE OF PLUGS			LIST-CSG-HARDWARE			PHYSICAL SLURRY PROPERTIES						
			NO HARDWARE			SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
MATERIALS FURNISHED BY BJ												
FRESH WATER							8.34				2	
C NEAT						550	14.8	1.32	6.32		129 82.57	
FRESH WATER							8.34				2	
Available Mix Water 500 Bbl. Available Displ. Fluid 500 Bbl.									TOTAL	133	82.57	
HOLE			TBG-CSG-D.P.					COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE		
12.25		1520	1.05	1.14	TBG	612	J-55					
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.	
9.625	36	CSG	1520	NO PACKER	0	0	0	1.05	8RD	FRESH WATER	8.4	
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		
2	BBLs	FRESH WATE	8.34	0	3000	0	7000	3000	3520	2800	RIG	
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING:											NONE	
PRESSURE/RATE DETAIL						EXPLANATION						
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW ☒ CO. REP. ☐						
	PIPE	ANNULUS				TEST LINES 4000 PSI						
						CIRCULATING WELL - RIG ☐ BJ ☒						
15:30	0	0	0	0		TAG CEMENT @ 612'						
16:04	1350	0	1.8	2	F/W	SPACER						
16:05	1800	0	1.8	48	14.8 PPG	200 SX C + 4% CACL2 SET @ 612'						
16:30	1550	0	1.8	2	F/W	DISPLACE						
19:21	1400	0	1.8	2	F/W	SPACER						
19:22	2000	0	1.8	29	14.8 PPG	TAG w 493' 125 SX C + 5% CACL2 @ 485'						
19:37	1700	0	1.8	2	F/W	DISPLACE						
22:18	1230	0	1.8	2	F/W	SPACER						
22:19	1400	0	1.8	29	14.8 PPG	TAG @ 342' 125 SX C+5% CACL2 @ 321'						
22:35	1200	0	1.8	2	F/W	DISPLACE						
06:41	500	0	1.7	15	F/W	BREAK CIRCULATION						
06:53	1100	0	2	23	F/W	100 SX C NEAT FROM 194 TO SURFACE						
						CIRCULATED 12 SX TO THE PIT						
						THANKS, STEVEN AND CREW						
BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	SERV. SUPV. 					
Y ☐ N ☒		Y ☐ N ☒	4	156	0	Y ☐ N ☒						