ConocoPhilli	ns	END OF WELL S	CHEMATIC			
				/		
	San Juan 32-8 # 239A		*	•	Spud:_	18-Aug-04
	30-045-32396	A1-A- Ab1	and the state of the state of	/	Release Drl Rig:	22-Aug-04
Location	: 2035' FNL & 705' FWL Sec. 30 - T32N - R8W		s equipped with rook c 2- ³ / ₈ " EUE 8rd Bo		Move In Cav Rig	31-Aug-04
					Release Cav Rig	26-Sep-04
Elevation	San Juan County, NM : 6679' GL (above MSL)		-1/16" 3M Tubing I 0 x 11" 3M Casing			
	: 13' above Ground Level	9-5/6 6 KL	TIT T	neau 		
	Drl Rig RKB = 13' above GL	j		Curfo o Como m		
Datum.	DIT NIG KKB = 13 above GL			<u>SurfaceCement</u>	-	A O.4
Surface Casina	Date set: 19-Aug-04	X New			cmt'd:19-	
Surface Casing Size		Used			Class G Cement	
Set at		Used				alian
Wt.			' []]		174 cuft slurry at 15	
	12 1/4 in Conn STC				lacement: 14.7 bb	
Excess Cmt					ed Plug at: 10:05 h	
	SURFACE Csg Sh	ne 230 ft			Circ Press: 141 ps	
1.0.0.	TD of 12-1/4" ho		111 1		luring job:	
	12 61 12 17 110	<u></u>			o surface:	
Notif	ied BLM @ 15:15 hrs on 1	7-Aug-04			pats Held:No f	
	NMOCD @ 15:18 hrs on 1				00 hrs (plug bump to	
110111100					hrs (plug bump to	
					mo (plag bamp to	/ lest cag)
Intermediate Ca	sing Date set: 21-Aug-04	XNew		Intermediate Ce	ement	
Size		<u> </u>			cmt'd: 22-/	Aug-04
	3205 ft 0 pu	L			Class G Cement	
	20 ppf Grade J-55	-		+ 3% D079 E		
	8 3/4 in Conn STC				029 Cellophane Fla	akes
	160 % Top of Float Col	lar 3159 ft		+ 0.2% D046		
	SURFACE Bottom of Casing Sh				D047 Antifoam	
	ft TD of 8-3/4" Ho				096.2 cuft slurry at	11.7 ppg
	ft		1 111 1 1	Tail: 100 sx	50/50 POZ : Class	G cement
Notifi	ied BLM @ 10:00 hrs on 2	0-Aug-04	1 111 1 }	+ 2% D020 Be	entonite	
Notified I	NMOCD @ 10:00 hrs on 2	0-Aug-04	11111 /	+ 2% S001 Ca	alcium Chloride	
			-1-111-1- <i>1</i> -	+ 5 lb/sx D024	4 Gilsonite	
Production Line	<u>r</u> Date set: <u>23-Sep-04</u>	XNew		+ 0.25 lb/sx D	029 Cellophane Fla	ıkes
Size	<u>5 1/2</u> in	Used		+ 0.2% D046	Antifoam	
Nominal Wt.	· · ·	1	1 111 1 1	1.27 cuft/sx, 1	27 cuft slurry at 13.	.5 ppg
Grade	J-55 Connections: LT	Displacement: 128.0 bbls			8.0 bbls	
# Jnts:	10	Bumped Plug at: 00:30 hrs w/ 1350 ps				's w/ 1350 psi
Hole Size	6.25 / 9.5 inches	Final Circ Press: 710 psi @ 2.0 bpm				i @ 2.0 bpm
Underreame	ed 6-1/4" hole to 9.5" from 3212' to 36					YES
Top of Liner	3184 ft	CMT Returns to surface: 25 bbls			5 bbls	
PBTD 3638 ft O Floats Held: X Yes No						
Bottom of Liner 3640 ft						
	60.0		1 4 1 1			
		200 W	1 1 /			
This well was cavita	ited.			UNCEMENTED L	INER	
	ated.			10.1		
	Jan 2	· 0 1/2 1/2		Schematic pre	pared by: ore, Drilling Enginee	
	Viet.	. c _γ , _{LD} −	ft	28-Sept-2004	Jie, Diming Enginee	ar
COMMENTS:	W. 6.77.0	<u> </u>	b - #1 1- 4 - 4 - 4 - 14 -			====;
	No float equipment was run. Ran á g		• •	•	e@187.	
	Displaced top wiper plug with water.*	•	VOC before backin	ig out landing jt.	T-4-1	. 1
	CENTRALIZERS @ 221', 143', 99', 5				Total:	4
	DISPLACED W/ 128 BBLS. FRESH V CENTRALIZERS @ 3105' 3112' 303		O' 84' 40'		Total	
	CENTRALIZERS @ 3195', 3112', 303 TURBOLIZERS @ 2260', 2217', 2174		υ, ο 4 , 40.		Total:	9
			N H-I atch Dran Of	f Tool (no lines has	Total:	4
	Ran 6-1/4" bit & bit sub w/ float on btn Perforated 5-1/2" liner with guns on E				C).	
	Perf. Intervals: 3228'-3232', 3240'-32				164', 3386'-3389' 32	418'-3426'
	3428'-3434', 3447'-3456', 3458'-3462',					0420,
	2-7/8" EUE 8rd box Orange Peeled M				-	
_	2-7/8" x 2-3/8" EUE 8rd crossover coll	-		•		!
	113 jts 2-3/8" 4.7# J-55 EUE 8rd tubin	•	3" EUE 8rd subs ur	nder top jt of tubing.		
	Bottom of Mud Anchor at 3628'. F-Nij					
• '	12" long strainer attached below 1-1/2		•			,
	140 ea 3/4" OD rods, spaced out with		rods & 1 ea 1-1/4"	OD x 22' polished r	od	
Rods	Set pump in F-Nipple at 3596' MD RK	В				