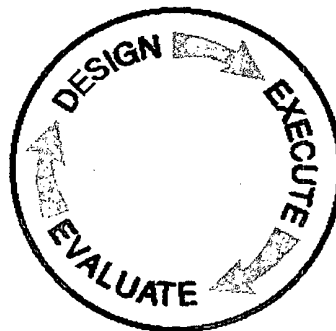


DEE Report



Customer:	Shell Oil Company
Well	Latigo Ranch 2-34
County/State:	Guadalupe, NM
Job Type:	4.5" Production Casing
Prepared by:	Chris Schuman

30-019-20136

February 2, 2009



Service Order

2009-Feb-01

Customer SHELL OIL COMPANY		Person Taking Call Martinez, Raul		Dowell Location Hobbs, NM		OrderDate 2009-Jan-19		Job Number 2201758751								
Well Name and Number Latigo Ranch 2 34			Legal Location		Field Wildcat		County Guadalupe		State/Province New Mexico							
Well Master: 0631051580					API / UWI: 30 019 20135											
Rig Name Nabors M-45			Well Age New		Sales Engineer Bryant, Rodney			Job Type Cem Prod Casing								
Time Well Ready: 7		Deviation °		Bit Size 6.13 in		Well MD 13,868 ft		Well TVD 13,868 ft		BHP psi						
								BHST 244 °F		BHCT 193 °F						
Treat Down Casing		Packer Type		Packer Depth ft		WellHead Connection Single cement head		HHP on Location		Max Allowed Pressure						
								Max Allowed AnnPressure								
Casing					Services Instructions: Cement 13868' of 4 1/2" Production casing LOU #: 4900005296											
Depth, ft		Size, in		Weight, lb/ft								Grade		Thread		
6078		7.63		29.7								P110		8RD		
13868		4.5		13.5								P110		8RD		
Tubing					Extra Equipment: Head, manifold, QC, Swadge - 8 rd thread											
Depth,		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:					Ready To Pump:											

Contact	Voice	Mobile	FAX	Notes
George Stampely		281-714-2406		

Notes:

NO cell phones on location
Sign in with safety man first thing on location
Hearing protection required while on location

Directions:

Directions attached

Other Notes:

Cell service dead on location-call yard when leaving Santa Rosa on way to location.
Call dispatch when arriving in Santa Rosa after job. Customer has phone for emergencies

Comments:

Up to date JSA's and HARC- discuss with company man before performing any work on location

Rain for rent catch tarps under pump truck - NO SPILLS

Any spills or incidents to be reported IMMEDIATELY to company man and safety supervisor on location

Fluid Systems:

D144		
25 gal D144 Antifoam		
Density:	lb/gal	Thickening Time:
Yield:	ft ³ /sk	
H2O Mix:	0 gal/sk	
H2O:	0 gal	Eq. Sack Weight: 0 lb
		Total Blend: 0 sacks
Dowell Code	Conc/ Amount	Total Quantity

Class H		
Class H + 0.2% D046 + 0.2% D065 + 0.2% D167 + 0.4% D800		
Density:	15.6 lb/gal	Thickening Time:
Yield:	1.19 ft ³ /sk	
H2O Mix:	5.238 gal/sk	
H2O:	340.47 gal	Eq. Sack Weight: 94 lb
		Total Blend: 65 sacks
Dowell Code	Conc/ Amount	Total Quantity
D909	94 lbs/sk	6110
D046	0.188 lbs/sk	12.22
D065	0.188 lbs/sk	12.22
D167	0.188 lbs/sk	12.22
D800	0.376 lbs/sk	24.44

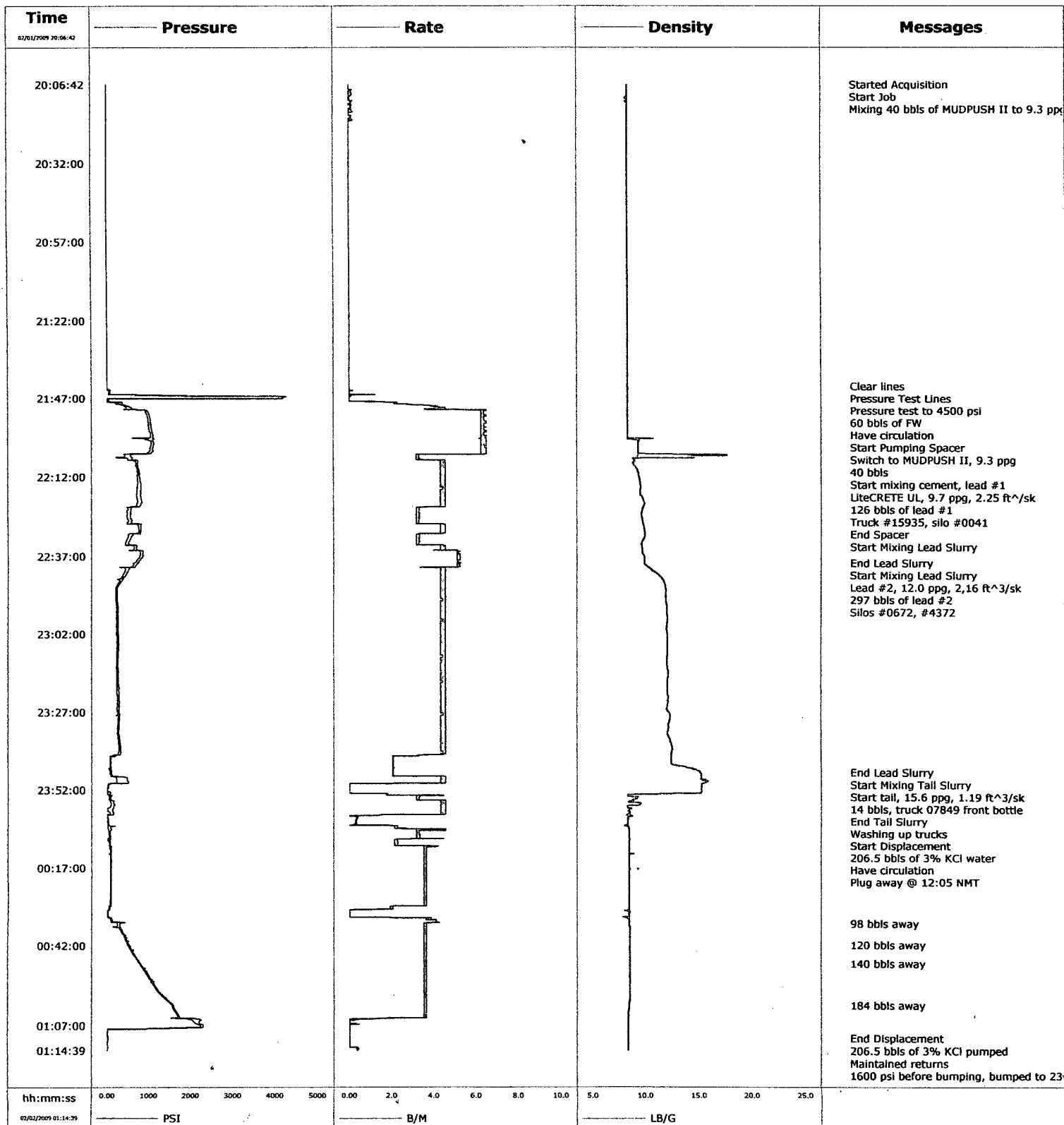
LiteCRETE		
LiteCRETE + 0.3% D046 + 0.2% D065 + 0.5% D167 + 0.45% D198		
Density:	9.7 lb/gal	Thickening Time:
Yield:	2.25 ft ³ /sk	
H2O Mix:	7.55 gal/sk	
H2O:	2416 gal	Eq. Sack Weight: 100 lb
		Total Blend: 320 sacks
Dowell Code	Conc/ Amount	Total Quantity
D167	0.265 lbs/sk	84.8
D198	0.2385 lbs/sk	76.32
D065	0.106 lbs/sk	33.92
D046	0.159 lbs/sk	50.88

MUDPUSH II		
40 bbls of MUDPUSH II		
Density:	9.3 lb/gal	Thickening Time:
Yield:	ft ³ /sk	
H2O Mix:	0 gal/sk	
H2O:	1680 gal	Eq. Sack Weight: 0 lb
		Total Blend: 40 sacks
Dowell Code	Conc/ Amount	Total Quantity
D031	50.02 lbs/sk	2000.8
D182	5 lbs/sk	200
D020	2.5 lbs/sk	100

Sugar		
300 lbs of sugar		
Density:	lb/gal	Thickening Time:
Yield:	ft ³ /sk	
H2O Mix:	0 gal/sk	
H2O:	0 gal	Eq. Sack Weight: 0 lb
		Total Blend: 0 sacks
Dowell Code	Conc/ Amount	Total Quantity
57998000	300 lbs	300

TXI		
TXI + 20% D154 + 0.8% D167 + 0.5% D46 + 0.2% D65 + 0.25 pps D29 + 4% D20 + 1.4% D800 + 0.05 pps B307		
Density:	12 lb/gal	Thickening Time:
Yield:	2.16 ft ³ /sk	
H2O Mix:	11.72 gal/sk	
H2O:	9024.4 gal	Eq. Sack Weight: 75 lb
		Total Blend: 770 sacks
Dowell Code	Concl/ Amount	Total Quantity
D167	0.6 lbs/sk	462
B307	0.05 lbs/sk	38.5
D154	15 lbs/sk	11550
D049	75 lbs/sk	57750
D046	0.375 lbs/sk	288.75
D065	0.15 lbs/sk	115.5
D029	0.25 lbs/sk	192.5
D020	3 lbs/sk	2310
D800	1.05 lbs/sk	808.5

Well	Latigo Ranch 2-34	Client	Shell Oil Company
Field	Wildcat	SIR No.	2201758751
Engineer	Chris Schuman	Job Type	4.5" Production Casing
Country	United States	Job Date	02-01-2009



02/02/2009 01:16:27



Cementing Service Report

Customer SHELL OIL COMPANY						Job Number 2201758751		
Well Latigo Ranch 2 34			Location (legal)			Schlumberger Location Hobbs, NM		Job Start 2009-Jan-31
Field Wildcat		Formation Name/Type		Deviation 7 °	Bit Size 6.13 in	Well MD 13,868 ft	Well TVD 13,868 ft	
County Guadalupe		State/Province New Mexico		BHP psi	BHST 244 °F	BHCT 193 °F	Pore Press. Gradient psi/ft	
Well Master: 0631051580		API / UWI: 30 019 20135		Casing/Liner				
Rig Name Nabors M-45	Drilled For Oil & Gas	Service Via Land		Depth, ft 6078	Size, in 7.63	Weight, lb/ft 29.7	Grade P110	Thread 8RD
Offshore Zone	Well Class New	Well Type Exploration		13868	4.5	13.5	P110	8RD
Drilling Fluid Type Calodril			Max. Density 9 lb/gal	Plastic Viscosity cp		Tubing/Drill Pipe		
Service Line Cementing			Job Type Cem Prod Casing		Depth, ft	Size, in	Weight, lb/ft	Grade
Max. Allowed Tubing Pressure psi			Max. Allowed Ann. Pressure psi		Wellhead Connection Single cement head		Perforations/Open Hole	
Service Instructions Cement 13868' of 4 1/2" Production casing			Wellhead Connection Single cement head		Top, ft	Bottom, ft	spf	No. of Shots
LOU #: 4900005296			Wellhead Connection Single cement head		Total Interval ft		Diameter in	
Casing/Tubing Secured ☐			1 Hole Volume Circulated prior to Cementing ☒		Treat Down Casing		Displacement 206.5 bbl	Packer Type
					Casing Vol. bbl		Annular Vol. 206.5 bbl	Packer Depth ft
					Open Hole Vol. 166.7 bbl			
Lift Pressure: psi			Pipe Rotated ☐		Pipe Reciprocated ☐		Casing Tools	
No. Centralizers: Top Plugs: 1 Bottom Plugs: 1			Cement Head Type: Single		Shoe Type: Float		Squeeze Job	
Job Scheduled For: 2009-Jan-31 23:00			Arrived on Location: 2009-Feb-02 3:00		Shoe Depth: 13865 ft		Tool Type:	
Leave Location: 2009-Feb-02 3:00					Stage Tool Type:		Tool Depth: ft	
					Stage Tool Depth: ft		Tail Pipe Size: in	
					Collar Type:		Tail Pipe Depth: ft	
					Collar Depth: ft		Sqz Total Vol: bbl	

Date	Time	Treating Pressure psi	Flow Rate bbl/min	Density lb/gal	Volume bbl	0	0	0	Message
2009-Feb-01	20:06	9	0.0	8.33	0.0	0	0	0	
2009-Feb-01	20:06								Started Acquisition
2009-Feb-01	20:07	9	0.0	8.33	0.0	0	0	0	
2009-Feb-01	20:07								Start Job
2009-Feb-01	20:08	9	0.0	8.33	0.0	0	0	0	
2009-Feb-01	20:08								Mixing 40 bbls of MUDPUSH II to 9.3 ppg
2009-Feb-01	20:09	9	0.1	8.33	0.1	0	0	0	
2009-Feb-01	20:11	9	0.1	8.33	0.2	0	0	0	
2009-Feb-01	20:14	9	0.1	8.33	0.5	0	0	0	
2009-Feb-01	20:16	8	0.1	8.33	0.7	0	0	0	
2009-Feb-01	20:19	9	0.0	8.33	0.9	0	0	0	
2009-Feb-01	20:21	8	0.0	8.33	0.9	0	0	0	
2009-Feb-01	20:24	8	0.0	8.33	0.9	0	0	0	
2009-Feb-01	20:26	8	0.0	8.33	0.9	0	0	0	
2009-Feb-01	20:29	7	0.0	8.33	0.9	0	0	0	
2009-Feb-01	20:31	9	0.0	8.33	0.9	0	0	0	
2009-Feb-01	20:34	8	0.0	8.33	0.9	0	0	0	
2009-Feb-01	20:36	9	0.0	8.33	0.9	0	0	0	
2009-Feb-01	20:39	8	0.0	8.33	0.9	0	0	0	
2009-Feb-01	20:41	8	0.0	8.33	0.9	0	0	0	

Well			Field			Service Date		Customer			Job Number
Latigo Ranch 2 #34			Wildcat			0931-Jan-31		SHELL OIL COMPANY			2201758751
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message		
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0			
2009-Feb-01	20:44	9	0.0	8.33	0.9	0	0	0			
2009-Feb-01	20:46	8	0.0	8.33	0.9	0	0	0			
2009-Feb-01	20:49	8	0.0	8.33	0.9	0	0	0			
2009-Feb-01	20:51	8	0.0	8.33	0.9	0	0	0			
2009-Feb-01	20:54	8	0.0	8.33	0.9	0	0	0			
2009-Feb-01	20:56	8	0.0	8.33	0.9	0	0	0			
2009-Feb-01	21:42	7	0.0	8.33	0.9	0	0	0			
2009-Feb-01	21:42								Clear lines		
2009-Feb-01	21:44	78	0.2	8.33	0.9	0	0	0			
2009-Feb-01	21:44	69	0.0	8.33	0.9	0	0	0			
2009-Feb-01	21:44								Pressure Test Lines		
2009-Feb-01	21:45	68	0.0	8.33	0.9	0	0	0			
2009-Feb-01	21:45								Pressure test to 4500 psi		
2009-Feb-01	21:46	4173	0.0	8.33	1.1	0	0	0			
2009-Feb-01	21:48								60 bbls of FW		
2009-Feb-01	21:48	400	3.5	8.33	3.6	0	0	0			
2009-Feb-01	21:49	471	3.9	8.33	4.9	0	0	0			
2009-Feb-01	21:50	489	3.6	8.33	9.2	0	0	0			
2009-Feb-01	21:50								Have circulation		
2009-Feb-01	21:51	979	6.4	8.33	14.7	0	0	0			
2009-Feb-01	21:51								Start Pumping Spacer		
2009-Feb-01	21:51	966	6.2	8.33	18.4	0	0	0			
2009-Feb-01	21:54	1023	6.4	8.33	34.2	0	0	0			
2009-Feb-01	21:56	1043	6.2	8.33	49.9	0	0	0			
2009-Feb-01	21:59	1061	6.2	8.32	65.7	0	0	0			
2009-Feb-01	21:59								Switch to MUDPUSH II, 9.3 ppg		
2009-Feb-01	21:59	1124	6.4	8.32	69.7	0	0	0			
2009-Feb-01	21:59								40 bbls		
2009-Feb-01	21:59	1007	6.4	8.97	70.1	0	0	0			
2009-Feb-01	22:01	1104	6.2	9.29	81.6	0	0	0			
2009-Feb-01	22:02								Start mixing cement, lead #1		
2009-Feb-01	22:02	1037	6.2	9.29	89.2	0	0	0			
2009-Feb-01	22:03								LiteCRETE UL, 9.7 ppg, 2.25 ft ³ /sk		
2009-Feb-01	22:03	1064	6.2	9.29	93.6	0	0	0			
2009-Feb-01	22:03								126 bbls of lead #1		
2009-Feb-01	22:03	1069	6.4	9.29	94.7	0	0	0			
2009-Feb-01	22:04	1058	6.4	9.29	97.4	0	0	0			
2009-Feb-01	22:04								Truck #15935, silo #0041		
2009-Feb-01	22:04	1003	6.2	9.30	98.0	0	0	0			
2009-Feb-01	22:05								End Spacer		
2009-Feb-01	22:05	410	3.3	11.56	103.3	0	0	0			
2009-Feb-01	22:05	604	3.3	13.84	103.4	0	0	0			
2009-Feb-01	22:05								Start Mixing Lead Slurry		
2009-Feb-01	22:06	704	4.3	8.98	107.3	0	0	0			
2009-Feb-01	22:09	737	4.3	9.20	118.4	0	0	0			
2009-Feb-01	22:11	742	4.5	9.38	129.5	0	0	0			
2009-Feb-01	22:14	770	4.5	9.52	140.6	0	0	0			
2009-Feb-01	22:16	760	4.5	9.49	151.7	0	0	0			
2009-Feb-01	22:19	807	4.4	9.80	162.8	0	0	0			
2009-Feb-01	22:21	526	3.3	9.74	173.5	0	0	0			
2009-Feb-01	22:24	482	3.3	9.62	181.6	0	0	0			
2009-Feb-01	22:26	813	4.4	9.79	189.8	0	0	0			

Well			Field			Service Date		Customer			Job Number
Latigo Ranch 2 #34			Wildcat			0931-Jan-31		SHELL OIL COMPANY			2201758751
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message		
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0			
2009-Feb-01	22:29	794	4.5	9.92	200.9	0	0	0			
2009-Feb-01	22:31	487	3.2	9.75	209.8	0	0	0			
2009-Feb-01	22:34	679	4.3	9.67	218.9	0	0	0			
2009-Feb-01	22:36	862	5.1	9.84	231.1	0	0	0			
2009-Feb-01	22:39	687	5.1	9.87	242.4	0	0	0			
2009-Feb-01	22:39								End Lead Slurry		
2009-Feb-01	22:39	716	5.1	9.88	243.4	0	0	0			
2009-Feb-01	22:39								Start Mixing Lead Slurry		
2009-Feb-01	22:39	678	5.1	9.89	243.9	0	0	0			
2009-Feb-01	22:39								Lead #2, 12.0 ppg, 2,16 ft^3/sk		
2009-Feb-01	22:39	669	5.1	9.99	246.2	0	0	0			
2009-Feb-01	22:40								297 bbls of lead #2		
2009-Feb-01	22:40	657	5.1	10.12	247.9	0	0	0			
2009-Feb-01	22:41								Silos #0672, #4372		
2009-Feb-01	22:41	459	4.4	10.54	253.3	0	0	0			
2009-Feb-01	22:41	493	4.4	10.80	255.8	0	0	0			
2009-Feb-01	22:44	317	4.5	11.60	267.0	0	0	0			
2009-Feb-01	22:46	254	4.4	11.87	278.1	0	0	0			
2009-Feb-01	22:49	224	4.4	11.90	289.2	0	0	0			
2009-Feb-01	22:51	242	4.5	11.94	300.3	0	0	0			
2009-Feb-01	22:54	244	4.4	12.01	311.5	0	0	0			
2009-Feb-01	22:56	262	4.5	12.06	322.6	0	0	0			
2009-Feb-01	22:59	249	4.5	11.97	333.7	0	0	0			
2009-Feb-01	23:01	250	4.5	12.05	344.8	0	0	0			
2009-Feb-01	23:04	248	4.4	12.05	355.9	0	0	0			
2009-Feb-01	23:06	249	4.5	12.07	367.1	0	0	0			
2009-Feb-01	23:09	259	4.4	12.02	378.2	0	0	0			
2009-Feb-01	23:11	245	4.5	12.02	389.3	0	0	0			
2009-Feb-01	23:14	259	4.3	12.10	400.4	0	0	0			
2009-Feb-01	23:16	246	4.4	12.06	411.6	0	0	0			
2009-Feb-01	23:19	249	4.4	12.04	422.7	0	0	0			
2009-Feb-01	23:21	256	4.4	12.08	433.8	0	0	0			
2009-Feb-01	23:24	259	4.4	12.05	444.9	0	0	0			
2009-Feb-01	23:26	255	4.5	12.17	456.1	0	0	0			
2009-Feb-01	23:29	285	4.5	12.25	467.2	0	0	0			
2009-Feb-01	23:31	274	4.4	12.14	478.3	0	0	0			
2009-Feb-01	23:34	274	4.4	12.14	489.4	0	0	0			
2009-Feb-01	23:36	304	4.4	12.39	500.5	0	0	0			
2009-Feb-01	23:39	313	4.5	12.46	511.7	0	0	0			
2009-Feb-01	23:41	83	2.0	12.41	520.4	0	0	0			
2009-Feb-01	23:44	77	2.0	13.70	525.5	0	0	0			
2009-Feb-01	23:46	99	2.0	15.08	529.2	0	0	0			
2009-Feb-01	23:46								End Lead Slurry		
2009-Feb-01	23:46	97	2.0	15.09	529.4	0	0	0			
2009-Feb-01	23:46								Start Mixing Tail Slurry		
2009-Feb-01	23:46	102	2.0	15.20	530.6	0	0	0			
2009-Feb-01	23:47	114	2.1	15.19	531.1	0	0	0			
2009-Feb-01	23:47								Start tail, 15.6 ppg, 1.19 ft^3/sk		
2009-Feb-01	23:47								14 bbls, truck 07849 front bottle		
2009-Feb-01	23:47	111	3.2	15.19	531.9	0	0	0			
2009-Feb-01	23:49	419	4.3	15.65	540.2	0	0	0			
2009-Feb-01	23:50	58	0.4	15.24	542.4	0	0	0			
2009-Feb-01	23:50								End Tail Slurry		

Well			Field		Service Date		Customer			Job Number
Latigo Ranch 2 #34			Wildcat		09/31-Jan-31		SHELL OIL COMPANY			2201758751
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message	
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0		
2009-Feb-01	23:51	1	0.0	15.22	542.4	0	0	0		
2009-Feb-01	23:53								Washing up trucks	
2009-Feb-01	23:53	47	1.8	8.30	543.2	0	0	0		
2009-Feb-01	23:54	75	3.3	9.08	546.1	0	0	0		
2009-Feb-01	23:56	151	4.4	8.33	556.4	0	0	0		
2009-Feb-01	23:59	114	4.4	8.50	567.5	0	0	0		
2009-Feb-02	0:01	23	0.3	8.33	570.3	0	0	0		
2009-Feb-02	0:02								Start Displacement	
2009-Feb-02	0:02	25	0.3	8.32	570.5	0	0	0		
2009-Feb-02	0:02								206.5 bbls of 3% KCl water	
2009-Feb-02	0:02	26	0.3	8.33	570.5	0	0	0		
2009-Feb-02	0:04	102	4.4	8.45	573.5	0	0	0		
2009-Feb-02	0:06	63	3.3	8.46	582.2	0	0	0		
2009-Feb-02	0:09	63	2.2	8.47	588.5	0	0	0		
2009-Feb-02	0:11								Have circulation	
2009-Feb-02	0:11	91	3.6	8.47	596.3	0	0	0		
2009-Feb-02	0:11	95	3.6	8.47	597.1	0	0	0		
2009-Feb-02	0:11								Plug away @ 12:05 NMT	
2009-Feb-02	0:11	95	3.5	8.47	597.1	0	0	0		
2009-Feb-02	0:14	97	3.6	8.47	606.2	0	0	0		
2009-Feb-02	0:17	95	3.6	8.47	615.2	0	0	0		
2009-Feb-02	0:19	94	3.6	8.47	624.3	0	0	0		
2009-Feb-02	0:22	92	3.6	8.47	633.3	0	0	0		
2009-Feb-02	0:24	91	3.6	8.47	642.4	0	0	0		
2009-Feb-02	0:27	90	3.6	8.47	651.4	0	0	0		
2009-Feb-02	0:29	60	1.9	8.47	660.1	0	0	0		
2009-Feb-02	0:32	13	0.0	8.47	662.0	0	0	0		
2009-Feb-02	0:34	424	4.1	8.48	667.9	0	0	0		
2009-Feb-02	0:34	247	3.5	8.48	669.2	0	0	0		
2009-Feb-02	0:34								98 bbls away	
2009-Feb-02	0:37	336	3.6	8.50	676.8	0	0	0		
2009-Feb-02	0:39	436	3.5	8.50	685.6	0	0	0		
2009-Feb-02	0:41	510	3.5	8.50	693.2	0	0	0		
2009-Feb-02	0:41								120 bbls away	
2009-Feb-02	0:42	544	3.5	8.50	694.5	0	0	0		
2009-Feb-02	0:44	623	3.5	8.50	703.3	0	0	0		
2009-Feb-02	0:47	755	3.5	8.50	712.2	0	0	0		
2009-Feb-02	0:47								140 bbls away	
2009-Feb-02	0:47	780	3.5	8.50	714.1	0	0	0		
2009-Feb-02	0:49	896	3.5	8.50	721.0	0	0	0		
2009-Feb-02	0:52	1012	3.5	8.50	729.8	0	0	0		
2009-Feb-02	0:54	1132	3.6	8.50	738.7	0	0	0		
2009-Feb-02	0:57	1263	3.5	8.50	747.6	0	0	0		
2009-Feb-02	0:59	1484	3.6	8.47	756.4	0	0	0		
2009-Feb-02	1:00								184 bbls away	
2009-Feb-02	1:00	1565	3.5	8.45	760.0	0	0	0		
2009-Feb-02	1:02	1601	3.5	8.44	765.3	0	0	0		
2009-Feb-02	1:04	1561	1.9	8.35	774.2	0	0	0		
2009-Feb-02	1:07	2256	0.0	8.35	774.7	0	0	0		
2009-Feb-02	1:09	11	0.0	8.35	774.7	0	0	0		
2009-Feb-02	1:11	13	0.0	8.35	774.7	0	0	0		
2009-Feb-02	1:11								End Displacement	
2009-Feb-02	1:11	14	0.0	8.35	774.7	0	0	0		

Well Latigo Ranch 2 #34			Field Wildcat		Service Date 0931-Jan-31		Customer SHELL OIL COMPANY		Job Number 2201758751	
Date	Time 24 hr clock	Treating Pressure psi	Flow Rate bbl/min	Density lb/gal	Volume bbl	0	0	0	Message	
2009-Feb-02	1:11					0	0	0	206.5 bbls of 3% KCl pumped	
2009-Feb-02	1:11	14	0.0	8.35	774.7	0	0	0		
2009-Feb-02	1:11								Maintained returns	
2009-Feb-02	1:12	10	0.0	8.35	774.7	0	0	0		
2009-Feb-02	1:12	11	0.0	8.35	774.7	0	0	0		
2009-Feb-02	1:12								1600 psi before bumping, bumped to 2300 psi	
2009-Feb-02	1:14								Plug down at 1:05 NMT	
2009-Feb-02	1:14	11	0.4	8.35	775.0	0	0	0		
2009-Feb-02	1:14	11	0.4	8.35	775.0	0	0	0		
2009-Feb-02	1:14								End Job	
2009-Feb-02	1:14	11	0.4	8.35	775.1	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		
4			6	437	0	100			
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density			
2300		600	2300		bbl	lb/gal			
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	☐ Cement Circulated to Surface? Volume bbl ☐ Washed Thru Perfs To ft					
%	437 bbl	206.5 bbl	50 °F						
Customer or Authorized Representative			Schlumberger Supervisor			☐ Circulation Lost ☒ Job Completed			
Saunders, Bernie			Schuman, Christopher						