

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTN.M. Oil Corp. - Dist. 2
1301 W
Avenue

88210

FORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other _____

2. Name of Operator
V-F PETROLEUM INC.

3. Address P.O. BOX 1889, MIDLAND, TEXAS 79702 3a. Phone No. (include area code) 432-682-8821

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface 1,336' FSL & 2,160' FEL

At top prod. interval reported below 1,683' FSL & 1,739' FWL

At total depth 1,688.48' FSL & 1,744.8' FWL

14. Date Spudded 04/03/04 15. Date T.D. Reached 08/23/04 16. Date Completed 10/25/04
☐ D & A ☒ Ready to Prod.

18. Total Depth: MD 12,750' TVD 12,563' 19. Plug Back T.D.: MD 12,687' TVD 12,501' 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CN/GR/DENSITY LL/MICRO-CFL/ER

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
26"	20"/J55	106.5	SURFACE	415'		1010 "C"	409.8	SURFACE	
17 1/2"	133/8 J55	54	SURFACE	2270'		3763 "C"	1439.8	SURFACE	
12 1/4"	95/8 J55	40	SURFACE	3691'	2209	1970 "C"	1335.2	860'	
8 3/4"	51/2 P110	17	SURFACE	12750'	10318	590 "C" Super	409.8	9400'	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8"	12,437'	12,430'	5 1/2"					

25. Producing Intervals

Formation	Top	Bottom	Perforation Interval	Size	No. Holes	Perf. Status
A) MORROW	12,480	12,542	12,480-12,484	.42	8	OPEN
B) MORROW			12,506-12,510	.42	8	OPEN
C) MORROW			12,530-12,542	.42	12	OPEN
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
12,480' - 12,542'	TCP NO TREATMENT

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
10/22/04	28/04	24	→	3	1483	3	52	.602	FLOWING
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. PKR	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
8/64	3000	PKR	→	3	1483	3	494,333/1	PRODUCING	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. PKR	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

*(See instructions and spaces for additional data on page 2)

ACCEPTED FOR RECORD

DEC 6 2004

LES BABYAK
PETROLEUM ENGINEER

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
Yates	1770	2050	No tests	Yates	1770
Capitan Reef	2283	3697	Salt water	Capitan Reef	2283
Strawn	11068	11526	Gas/salt water	Delware Sds	3990
Morrow	11734	12616	Gas/salt water	Bone Spring LS	6575
				Wolfcamp LS	10025
				Strawn LS	11068
				Atoka Shale	11526
				Morrow LS	11734
				Barnett Shale	12616

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
☒ Sundry Notice for plugging and cement verification
☐ Core Analysis
☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) M. Wayne LunaTitle Production Superintendent

Signature

M. W. LunaDate 11/23/04

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CEMENT JOB REPORT



CUSTOMER V F Petroleum, Inc.			DATE 27-AUG-04		F.R. # 319649482		SERV. SUPV. JIMMY E WALTERS				
LEASE & WELL NAME BUDGE FED COM			LOCATION				COUNTY-PARISH-BLOCK Eddy New Mexico				
DISTRICT Hobbs			DRILLING CONTRACTOR RIG # PATTERSON 631				TYPE OF JOB Long String				
SIZE & TYPE OF PLUGS			LIST-CSG-HARDWARE				PHYSICAL SLURRY PROPERTIES				
Cement Plug, Rubber, Top 5-1/2 in			Float Collar, Al Flap, 5-1/2 - 8rd		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
			Float Shoe 5-1/2 - 8rd								
MATERIALS FURNISHED BY BJ											
MUD CLEAN II						8				12	
FRESH WATER						8.34				10	
61:15:11 C POZ CSE 4% bwow) SALT +3# LCM-1+6/10%					590	13.5	1.52	7.17		180	100.90
FRESH WATER						8.34				60	
MUD						10				234	
35:65:6 POZ H GEL 5/10% FL-52+1/10% R21					1,250	12.5	1.94	10.65		432	317.04
H 1/10% R-21					100	15.6	1.19	5.2		22	12.85
FRESH WATER						8.34				1	
Available Mix Water _____ Bbl			Available Displ. Fluid _____ Bbl			TOTAL			931	430.79	
HOLE			TBG-CSG-D.P.				COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE	
8.75		12750	5.5	17	CSG	12789	J-55				1
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	WGT.
8.75	49.7	CSG	12750						5.5	8RD	10
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	
294	BBLS	FRESH WATER	8.34		0	0	0	0			RIG TANK
		MUD	10								
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING:											
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 7000 PSI					
						CIRCULATING WELL - RIG ☒ BJ ☐					
						WATER TEST: CHLORIDES 500, SULFATES <200 , PH7 ,					
23:15	9	9	9	9	9	ARRIVE ON LOCATION					
	0	0	0	0	0	PUMP TEST					
04:08	7400					TEST LINES					
04:10	640		7.6	0	MC	START MUD CLEAN					
04:12	640		7.6	12	MC	END MUD CLEAN START FRESH					
04:14	620		6	10	H2O	END FRESH START CMT					
04:50	600		6	160	CMT	END CMT DROP PLUG					
04:53	680		10	0	H2O	START FRESH DISPLACEMENT					
04:59	600		10	60	H2O	END FRESH START MUD					
05:22	400		3	235	MUD	SLOW THROUGH TOOL					
05:25	1400		10	245	MUD	INCREASE RATE					
05:29	1000		4	284	MUD	SLOW RATE					
05:33	1500		4	294	MUD	BUMP PLUG					
06:30	1500					ATTEMPT TOOL OPENING					
08:00	3500					ATTEMPT TOOL OPENING					
THANK YOU JIMMY & CREW											

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	7000 PSI
						CIRCULATING WELL - RIG ☒ BJ ☐	
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:
☒ Y ☐ N	1500	☒ Y ☐ N	0	476	0	☒ Y ☐ N	

CEMENT JOB REPORT



CUSTOMER V F Petroleum, Inc.		DATE 01-JUL-04	F.R. # 340510821	SERV. SUPV. SHANE P HELTON			
LEASE & WELL NAME Budge Fed Com # 1		LOCATION Sec 21 T20S R30E		COUNTY-PARISH-BLOCK Eddy New Mexico			
DISTRICT Hobbs		DRILLING CONTRACTOR RIG # Patterson # 831		TYPE OF JOB Intermediate			
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		PHYSICAL SLURRY PROPERTIES			
Cement Plug, Rubber, Top 9-5/8 in	Stage Cementing Tool 9-5/8 - 8rd	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY
	Guide Shoe, Cement Nose, 9-5/8 in						Bbl MIX WATER
MATERIALS FURNISHED BY BJ							
C+10%A-10+1%cacl2		200	14.2	1.61	7.96	01:30	57
50:50:10poz c+5%salt+.25lbs cf+5lbs lcn-1		500	11.8	2.45	13.57	03:10	218
C+1%cacl2		200	14.8	1.34	6.34	03:30	48
Fresh water			8.34				272.8
50:50:10poz c+5%salt		320	11.8	2.45	14.07	04:00	139
C+2%cacl2		100	14.8	1.34	6.36	03:15	24
Fresh water			8.34				167.4
C+2%cacl2+10%A-10		100	14.2	1.61	7.96	01:00	28
Available Mix Water 1000 Bbl.	Available Displ. Fluid 500 Bbl.	TOTAL				954.2	369.91
HOLE		TBG-CSG-D.P.			COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE
12.25		3691	9.625	40	CSG	3693	J-55
						93.66	FLOAT
						-3599.34	STAGE
LAST CASING		PKR-CMT RET-BR PL-LINER			PERF. DEPTH		TOP CONN
SIZE	WGT	TYPE	DEPTH	BRAND & TYPE	DEPTH	TOP	BTM
13.38	48	CSG	2275			0	0
20	106.5	CSG	415			9.625	8 RD
							WATER BASED MU
							WGT. 8.5
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED
275.8	BBLS	Fresh water	8.34	728	0	0	0
		Fresh water	8.34				0
							3160
							2500
							MIX WATER
							Frac tank

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING:

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 3000 PSI
						CIRCULATING WELL - RIG ☒ BJ ☐
11:15						Arrived on location
12:00						Pre rig up safety meeting
12:10						Rig up
16:30						Pre job safety meeting
16:55	3000	0		2	H2O	Pressure test line
17:00	147	0	5	20	H2O	Fresh water spacer
17:04	273	0	4.8	54	14.2#CMT	1st lead cement
17:18	525	0	7.3	212	11.8#CMT	2nd lead cement
17:45	298	0	4.5	49	14.8#CMT	Tail cement
18:00						Drop plug
18:03	450	0	8.5	160	H2O	Start displacement
18:25	72	0	3.5	10	H2O	Slow rate plug @ stage tool
18:30	298	0	7.3	90	MUD	Increase rate
18:43	198	0	3.5		MUD	Slow rate
18:48	867	0				Land plug & check float
19:00						Drop bomb
19:15	800	0	1.2	15	MUD	Open stage tool
19:30						switch over to rig and circulate 4 hours

CEMENT JOB REPORT



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	3000 PSI
						CIRCULATING WELL - RIG	☒ BJ ☐
						Stage tool @ 2209'	
23:10	197	0	5	20	H2O	Fresh water spacer	
23:14	424	0	6.2	135	11.8#CMT	2nd lead cement	
23:35	198	0	4.3	24	14.8#CMT	3rd lead cement	
23:43	224	0	4.5	28	14.2#CMT	2nd tail cement	
12:00						Drop plug	
12:10	349	0	7.5	160	H2O	Start displacement	
12:35	97	0	3.5	10	H2O	Slow rate	
12:45	1785	0				Close stage tool	
12:48						Check float	
						water test chlor @ 1500 sulfate below 200 ph 7 temp 95	
						No cement to surface	
						Thanks Shane,Jorge,Shannon	

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:
☒ Y ☐ N	1785	☒ Y ☐ N	0	1110	0	☒ Y ☐ N	<i>Shane Bellon</i>

CEMENT JOB REPORT



CUSTOMER V F Petroleum, Inc.			DATE 01-JUL-04		F.R. # 374210191		SERV. SUPV. CARL R LOVELACE		
LEASE & WELL NAME Budge Fed.Com #1			LOCATION Sec21T20SR30E			COUNTY-PARISH-BLOCK Eddy New Mexico			
DISTRICT Hobbs			DRILLING CONTRACTOR RIG # Patterson #831			TYPE OF JOB Tie Back			

SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		PHYSICAL SLURRY PROPERTIES							
				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											
water					8.34					100	
C+2%CACL2+10%A-10				100	14.2	1.61	7.96	01:30	28	18.51	
50:50:10PozCGel+5%Salt				450	11.8	2.45	14.07	04:00	196	150.48	
water					8.34				10		
water					8.34				47		
Available Mix Water 500 Bbl. Available Displ. Fluid 500 Bbl.				TOTAL				381	168.98		

HOLE			TBG-CSG-D.P.				COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE
12.25	0	3750	9.625	36	CSG	3750	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.
								2	8RD	WATER BASED MU	9.5

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.	SG. PSI	RATED	Operator	RATED	Operator	
10	BBLs	water	8.34								Rig tanks

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING:

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	350 PSI
						CIRCULATING WELL - RIG ☐ BJ ☒	
12:30						Arrived on loc.	
19:00	0	0	0	0	0	Pre-job safety meeting	
19:30	0	21	3.1	100	H2O	Water ahead	
20:05	0	147	3.5	28	CMT	Lead	
20:19	0	147	4	196	CMT	Tail	
21:09	0	147	4.5	10	H2O	Displacement	
21:10	0	0	0	0	0	Shut down,close in well,wash out truck	
03:47	0	0	4	100	H2O	Start H2O to Psi well	
04:00	0	350	0	47	H2O	Shut down,bleed off	

BUMPED PLUG Y ☒ N	PSI TO BUMP PLUG	TEST FLOAT EQUIP. Y ☒ N	BBL.CMT RETURNS/ REVERSED	TOTAL BBL PUMPED 334	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT Y ☒ N	SERVICE SUPERVISOR SIGNATURE: <i>Carl R Lovelace</i>
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CEMENT JOB REPORT



CUSTOMER V F Petroleum, Inc.			DATE 18-JUN-04		F.R. # 390510032		SERV. SUPV. John Riley		
LEASE & WELL NAME Budge Federal Com #1			LOCATION S 21.T 20 S.R 30 E			COUNTY-PARISH-BLOCK Eddy New Mexico			
DISTRICT Hobbs			DRILLING CONTRACTOR RIG # Patterson #831			TYPE OF JOB Intermediate			

SIZE & TYPE OF PLUGS		LIST CSG-HARDWARE		PHYSICAL SLURRY PROPERTIES						
Cement Plug, Rubber, Top 13-3/8 i	Float Shoe 13-3/8 - 8rd			SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
	Float Collar, Al Flap, 13-3/8 - 8rd									
MATERIALS FURNISHED BY BJ										
Fresh H2O					8.34				20	
35:65:6(P:C:G)5%Salt, .25#/sk CF				2,000	12.4	2.1	11.64	03:30	748	554.27
Class C,2% CaCl				200	14.8	1.33	6.36	03:45	48	30.69
Fresh H2O					8.34				348.8	
Class C,1% CaCl				500	14.8	1.33	6.31		118	74.84
35:65:6(P:C:G),5%Salt, .25# CF,1% CaCl				420	12.4	2.1	11.64		157	116.34
Available Mix Water 700 Bbl. Available Displ. Fluid 500 Bbl.				TOTAL					1439.8	776.14

HOLE			TBG-CSG-D.P.				COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE
17.5		2270	13.375	54.5	CSG	1915	J-55	2275	2231	0
			13.375	61	CSG	360	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.
20	94	CSG	400					13.375	8RD	WATER BASED ML	9.7

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.	SG. PSI	RATED	Operator	RATED	Operator					
349	BBLS	Fresh H2O	8.34	542	0	0	0	0	0	0	1730	1000			Rig Tanks

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING:

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 3000 PSI	CIRCULATING WELL - RIG ☒ BJ ☐
07:00	240	0	5	20	FRESH H2	Rate Test C-940	
09:30	0	0	0	0	0	Water=Temp>80,PH>7,Chi>200,Sul>Under 200	
09:35	3000	0	1	1	FRESH H2	Hold BJ Safety Meeting	
09:45	250	0	5	19	FRESH H2	Test Lines	
09:50	280	0	6	748	SLURRY	Spacer	
12:00	200	0	4	48	SLURRY	Lead Slurry	
12:15	612	0	7	325	FRESH H2	Tail Slurry	
						Displacement	
						Rig Tanks did not Equilize water properly,Tank valves were broken,Rig hands had to change Valve while Displacing!	
13:25	433	0	3	12	FRESH H2	Slow Rate	
13:35	561	0	0	0	0	Bump Plug	
13:37	0	0	0	0	0	Check Float, OK Held	
						Did Not Circulate Cement,Wait 6 Hours to Do Temperature Survey	
						Found Cement @ 1083 Ft	
						06-17-04	
						Outside Job #1	
04:55	180	0	5	20	FRESH H2	Rate Test C-471	
05:05	2000	0	1	1	FRESH H2	Line Test	
05:08	840	0	1.5	5	FRESH H2	Break Circulation	

CEMENT JOB REPORT



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 3000 PSI		
						CIRCULATING WELL - RIG ☒ BJ ☐		
05:50	1840	0	1.3	118	SLURRY	Slurry(500 sx Class C,1% CaCl)		
07:50	0	0	0	0	0	Finish Cement		
08:00	0	0	0	0	0	Wait to Tag Cement		
						Tag cement @ 900 Ft		
						Outside Job #2		
16:45	1490	0	1.5	5	FRESH H2	Break Circulation		
16:50	1570	0	1.3	159	SLURRY	Slurry (425 Sx 35:65:6,1% CaCl)		
19:15	0	0	0	0	0	Finish Cement		
						Wait to Tag Cement		
						Tag Cement @ 852 Ft		
						6-18-04		
03:05	1500	0	1.5	5	FRESH H2	Break Circulation		
03:10	1600	0	1.5	159	SLURRY	Slurry (425 Sx 35:65:6,1% CaCl)		
05:45	0	0	0	0	0	Finish Cement		
						Wait to Tag Cement		
						Tag Cement @ 570 Ft		
12:35	540	0	1	5	FRESH H2	Break Circulation		
12:40	1730	0	2	101	SLURRY	Slurry (425 Sx Class C 1% CaCl)		
14:15	0	0	0	0	0	Finish Cement		
						Wait to Tag Cement		
						Tag cement @ 170 FT		
20:10	430	0	2	5	FRESH H2	Break Circulation		
20:13	540	0	2	101	SLURRY	Slurry (213 Sx Class C,1% CaCl)		
						Circulate 40 Sx To Pit		
						Thank You, John Riley		

BUMPED PLUG ☒ Y ☐ N	PSI TO BUMP PLUG 581	TEST FLOAT EQUIP. ☒ Y ☐ N	BBL.CMT RETURNS/ REVERSED 9	TOTAL BBL PUMPED 2370	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT ☒ Y ☐ N	SERVICE SUPERVISOR SIGNATURE: <i>John Riley</i>
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CEMENT JOB REPORT



CUSTOMER V F Petroleum, Inc.		DATE 05-JUN-04		F.R. # 340510585		SERV. SUPV. SHANE P HELTON	
LEASE & WELL NAME Budge Fed Com # 1		LOCATION Sec 21 T20S R30E		COUNTY-PARISH-BLOCK Eddy New Mexico			
DISTRICT Hobbs		DRILLING CONTRACTOR RIG # Patterson # 631		TYPE OF JOB Surface			
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		PHYSICAL SLURRY PROPERTIES			
Cement Plug, Wooden, Top 20 in		Guide Shoe, Texas-Notched 20 in		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS
		Float Collar, Ball Valve, 20 - 8rd					
MATERIALS FURNISHED BY BJ							
GW-27					8.6		15
Fresh water					8.34		10
35:65:6 poz c+5%salt+.25lbs cello flake				530	12.7	1.94	10.5 04:00 183 132.41
C+2%cacl2				300	14.8	1.34	6.36 03:15 71 45.05
Fresh water					8.34		130.8
Available Mix Water 500 Bbl. Available Displ. Fluid 250 Bbl.				TOTAL		409.8 177.46	
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS	
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE
26		415	20	106.5	CSG	420	J-55
						46.8	-373.2
LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH		TOP CONN	
SIZE	WGT	TYPE	DEPTH	BRAND & TYPE	DEPTH	TOP	BTM
					0	0	20
						BUTT WATER BASED MU	
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED
130.8	BBLS	Fresh water	8.34	122	0	0	0
							1928
							1000
				Frac tank			
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING:							
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 2000 PSI	
						CIRCULATING WELL - RIG ☒ BJ ☐	
17:00						Arrived on location	
17:10						Pre rig up safety meeting	
17:20						Rig up	
01:45						Pre job safety meeting	
02:00	2000	0		2	H2O	Pressure test line	
02:02	153	0	5	15	GW-27	Pre flush gel	
02:06	128	0	5	10	H2O	Fresh water spacer	
02:10	230	0	5.3	183	12.7#CMT	Lead cement	
02:40	306	0	4.8	71	14.8#CMT	Tail cement	
02:58						Drop plug	
03:00	153	0	5	120.8	H2O	Start displacement	
03:20	153	0	3	10	H2O	Slow rate	
03:25	637	0				Land plug and check float DID NOT HOLD	
						water test chlor @ 500 sulfate below 200 ph 7 temp 85	
						160 sx to pit	
						Thanks Shane,James,Shannon,Gary	
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:
☒ Y ☐ N	637	☒ Y ☐ N	65	406	102	☒ Y ☐ N	<i>Sh Helton</i>

OPERATOR: VF PETROLEUM
WELL/LEASE: BUDGE FEDERAL COM #1
COUNTY: EDDY, NM

631-0015

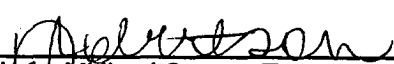
STATE OF NEW MEXICO
DEVIATION REPORT

284	3/4
367	3/4
608	1 1/2
867	1 3/4
988	1 3/4
1,106	1 1/4
1,260	1 3/4
1,377	2 1/4
1,564	2 3/4
1,575	2 1/4
1,635	2 1/4
1,722	2 1/4
1,787	1 3/4
1,880	2
2,163	1 3/4
2,270	1 3/4
2,823	1
3,681	1 1/4
4,338	3/4
4,877	1

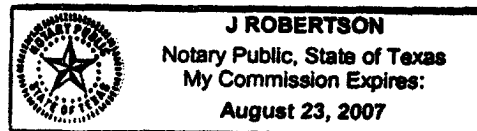
By: 

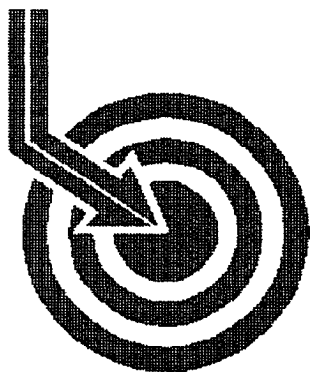
STATE OF TEXAS
COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 9th day of September, 2004, by Steve Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.


Notary Public for Midland County, Texas

My Commission Expires: 8/23/2007





Scientific Drilling

VF PETROLEUM

Field: Dos Hermanos
Site: Eddy County, NM
Well: Budge Fed Com #1
Wellpath: VH - Job #32K0704421
Survey: 07/07/04

RECEIVED

DEC - 8 2004

OCU-ARTESIA

This survey is correct to the best of my knowledge
and is supported by actual field data.

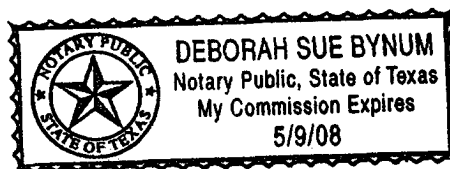
Scott Noddy

Company Representative

Notorized this date 29th of July, 2004.

Deborah Sue Bynum

Notary Signature
County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling Survey Report

Company: VF PETROLEUM
Field: Dos Hermanos
Site: Eddy County, NM
Well: Budge Fed Com #1
Wellpath: VH - Job #32K0704421

Date: 7/28/2004 Time: 18:00:52 Page: 1
Co-ordinate(N/E) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,281.97Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 07/07/04
KSRG 0'-5123'
Company: Scientific Drilling
Tool: Keeper, Keeper Gyro

Start Date: 7/7/2004
Engineer: Carter/Harvell
Tied-to: From Surface

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.0	0.00	0.07	0.0	0.0	0.0	0.0	0.00	0.0	0.00
100.0	0.67	214.29	100.0	0.2	-0.5	-0.3	0.67	0.6	214.29
200.0	0.92	207.71	200.0	0.7	-1.7	-1.0	0.27	2.0	211.61
300.0	0.90	206.58	300.0	1.1	-3.1	-1.8	0.03	3.6	209.62
400.0	1.22	213.90	400.0	1.7	-4.7	-2.7	0.35	5.4	210.02
500.0	1.33	210.22	499.9	2.4	-6.6	-3.9	0.14	7.6	210.59
600.0	1.42	202.92	599.9	3.0	-8.7	-4.9	0.20	10.0	209.60
700.0	1.36	201.13	699.9	3.5	-11.0	-5.9	0.07	12.4	208.13
800.0	1.22	200.57	799.8	3.8	-13.1	-6.7	0.14	14.7	207.02
900.0	1.27	188.81	899.8	3.9	-15.2	-7.2	0.26	16.8	205.43
1000.0	1.11	151.16	999.8	3.2	-17.1	-6.9	0.78	18.4	202.00
1100.0	1.41	133.89	1099.8	1.5	-18.8	-5.6	0.48	19.6	196.45
1200.0	1.58	127.10	1199.7	-0.8	-20.5	-3.6	0.25	20.8	189.87
1300.0	1.92	102.41	1299.7	-3.7	-21.7	-0.8	0.82	21.7	182.19
1400.0	2.31	100.62	1399.6	-7.4	-22.4	2.8	0.40	22.6	172.91
1500.0	2.35	98.91	1499.6	-11.4	-23.1	6.8	0.08	24.1	163.61
1600.0	2.45	103.01	1599.5	-15.6	-23.9	10.9	0.20	26.3	155.47
1700.0	2.43	106.74	1699.4	-19.9	-25.0	15.0	0.16	29.1	148.99
1800.0	2.05	120.25	1799.3	-23.7	-26.5	18.6	0.65	32.4	144.94
1900.0	1.98	138.10	1899.2	-26.8	-28.7	21.3	0.63	35.7	143.42
2000.0	2.00	156.21	1999.2	-29.2	-31.6	23.1	0.63	39.1	143.75
2100.0	2.06	158.60	2099.1	-31.2	-34.8	24.5	0.10	42.6	144.87
2200.0	1.88	164.00	2199.1	-33.0	-38.1	25.6	0.26	45.9	146.08
2300.0	1.51	175.14	2299.0	-34.1	-41.0	26.2	0.49	48.6	147.43
2400.0	1.07	185.60	2399.0	-34.6	-43.2	26.2	0.50	50.5	148.77
2500.0	0.82	194.00	2499.0	-34.7	-44.8	25.9	0.29	51.8	149.96
2600.0	0.56	181.35	2599.0	-34.7	-46.0	25.7	0.30	52.7	150.77
2700.0	0.67	171.99	2699.0	-35.0	-47.1	25.8	0.15	53.7	151.26
2800.0	1.82	180.69	2798.9	-35.5	-49.3	25.9	1.16	55.6	152.28
2900.0	1.95	192.18	2898.9	-35.8	-52.5	25.5	0.40	58.4	154.09
3000.0	1.33	203.71	2998.8	-35.6	-55.2	24.7	0.70	60.5	155.93
3100.0	1.03	218.95	3098.8	-35.0	-57.0	23.6	0.43	61.7	157.47
3200.0	1.01	223.75	3198.8	-34.1	-58.3	22.5	0.09	62.5	158.93
3300.0	1.10	219.71	3298.8	-33.2	-59.7	21.2	0.12	63.4	160.41
3400.0	0.94	206.84	3398.8	-32.5	-61.2	20.3	0.28	64.4	161.67
3500.0	0.91	211.47	3498.8	-32.0	-62.6	19.5	0.08	65.5	162.71
3600.0	0.76	213.74	3598.7	-31.5	-63.8	18.7	0.15	66.5	163.67
3700.0	0.46	239.01	3698.7	-31.0	-64.6	18.0	0.40	67.0	164.44
3800.0	0.29	245.30	3798.7	-30.5	-64.9	17.4	0.17	67.2	164.98
3900.0	0.29	286.58	3898.7	-30.0	-64.9	16.9	0.20	67.1	165.38
4000.0	0.41	290.53	3998.7	-29.4	-64.7	16.4	0.12	66.8	165.81
4100.0	0.27	285.67	4098.7	-28.8	-64.5	15.8	0.14	66.4	166.24
4200.0	0.26	249.44	4198.7	-28.4	-64.5	15.4	0.17	66.3	166.61
4300.0	0.30	217.85	4298.7	-28.1	-64.8	15.0	0.16	66.5	166.98
4400.0	0.21	233.90	4398.7	-27.9	-65.1	14.7	0.11	66.8	167.30
4500.0	0.29	201.96	4498.7	-27.7	-65.5	14.4	0.16	67.1	167.57
4600.0	0.31	185.10	4598.7	-27.7	-66.0	14.3	0.09	67.5	167.76
4700.0	0.55	177.07	4698.7	-27.8	-66.7	14.3	0.25	68.3	167.89
4800.0	0.59	182.37	4798.7	-28.1	-67.7	14.3	0.07	69.2	168.06



Scientific Drilling Survey Report

Company: VF PETROLEUM
Field: Dos Hermanos
Site: Eddy County, NM
Well: Budge Fed Com #1
Wellpath: VH - Job #32K0704421

Date: 7/28/2004 Time: 18:00:52 Page: 2
Co-ordinate(N/E) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,281.97Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

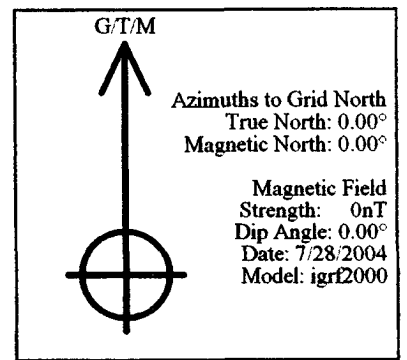
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4900.0	0.71	197.39	4898.7	-28.1	-68.8	14.1	0.21	70.3	168.41
5000.0	0.64	204.14	4998.7	-27.9	-69.9	13.7	0.11	71.3	168.92
5100.0	0.53	183.97	5098.7	-27.9	-70.9	13.4	0.23	72.2	169.27
5123.0	0.37	192.82	5121.7	-27.9	-71.1	13.4	0.76	72.3	169.31



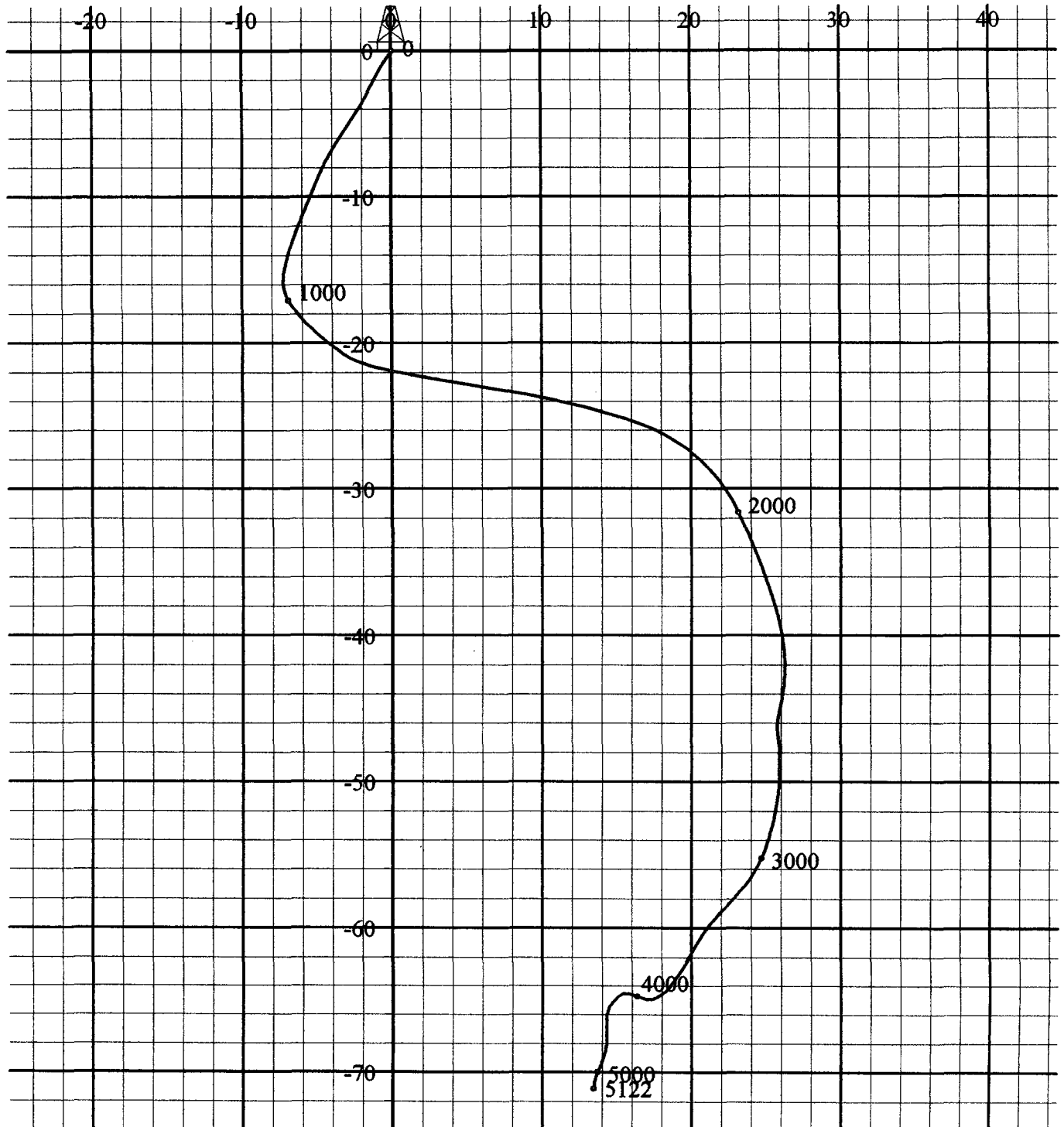
Scientific
Drilling

Field: Dos Hermanos
Site: Eddy County, NM
Well: Budge Fed Com #1
Wellpath: VH - Job #32K0704421
Survey: 07/07/04



West(-)/East(+) [10ft/in]

South(-)/North(+) [10ft/in]





Monday, November 29, 2004

VF Petroleum
Budge Federal Com. #1
Eddy County, NM

Leam MWD; from 5224' MD – 12690' MD

This Borehole Survey taken between 7/3/2004 and 8/24/2004 has been conducted and calculated according to the highest professional standards and complies with all known State and federal requirements.

Reviewed and Approved:

Date:

Signature:

A handwritten signature in black ink, appearing to read 'NKTwohy', is written over a horizontal line.

Nora K. Twohy
Operations Assistant

LEAM
Drilling Systems, Inc.

Company: V-F Petroleum				Date: 10/1/2004		Time: 09:55:36		Page: 1		
Field: New Mexico				Co-ordinate(N/E) Reference:		Site: Budge Federal Com. #1, Grid North				
Site: Budge Federal Com. #1				Vertical (TVD) Reference:		SITE 0.0				
Well: Well #2506				Section (VS) Reference:		Well (0.00N,0.00E,281.97Azi)				
Wellpath: 1				Survey Calculation Method: Minimum Curvature				Db: Sybase		
Survey: MWD				Start Date:		10/1/2004				
Company: Leam Drilling Systems				Engineer:		Nora Twohy				
Tool:				Tied-to:		From: GYRO				
Well: Well #2506				Slot Name:						
Well Position:		+N/-S	0.00 ft	Northing:		515325.04 ft		Latitude:		32 25 0.023 N
		+E/-W	0.00 ft	Easting :		459250.24 ft		Longitude:		104 27 55.393 W
Position Uncertainty:		0.00 ft								
Wellpath: 1				Drilled From:		Surface				
Current Datum: SITE				Tie-on Depth:		0.00 ft				
Magnetic Data: 9/24/2004				Above System Datum:		Mean Sea Level				
Field Strength: 31405 nT				Declination:		-6.65 deg				
Vertical Section: Depth From (TVD)				Mag Dip Angle:		-28.64 deg				
				+N/-S		+E/-W		Direction		
				ft		ft		deg		
0.00				0.00		0.00		281.97		
Annotation										
MD	TVD									
ft	ft									
5123.00	5121.70	TIED INTO GYRO								
10757.00	10576.12	SIDETRACK #1								
12750.00	12563.60	PROJECTION TO TD OF 8 3/4" HOLE								
Survey										
MD	Incl	Azim	TVD	N/S	E/W	VS	ClsD	ClsA	DLS	Comment
ft	deg	deg	ft	ft	ft	ft	ft	deg	deg/100ft	
5123.00	0.37	192.82	5121.70	-71.09	13.42	-27.87	72.35	169.31	0.00	TIED INTO GYRO
5224.00	1.90	265.60	5222.68	-71.54	11.67	-26.26	72.49	170.73	1.81	
5319.00	3.50	280.80	5317.57	-71.12	7.25	-21.85	71.49	174.18	1.83	
5414.00	4.70	285.80	5412.33	-69.51	0.66	-15.06	69.52	179.46	1.32	
5509.00	6.20	284.90	5506.90	-67.14	-8.04	-6.06	67.62	186.83	1.58	
5605.00	7.60	284.60	5602.20	-64.20	-19.20	5.46	67.01	196.65	1.46	
5699.00	9.30	284.50	5695.18	-60.73	-32.57	19.26	68.91	208.20	1.81	
5792.00	10.60	284.40	5786.78	-56.72	-48.13	35.32	74.39	220.31	1.40	
5887.00	12.30	284.10	5879.88	-52.09	-66.40	54.16	84.39	231.89	1.79	
5981.00	12.80	282.00	5971.64	-47.48	-86.30	74.58	98.50	241.18	0.72	
6076.00	14.20	284.50	6064.01	-42.38	-107.88	96.74	115.90	248.55	1.60	
6169.00	14.80	284.50	6154.05	-36.55	-130.42	120.00	135.44	254.35	0.65	
6264.00	15.20	285.40	6245.81	-30.20	-154.17	144.56	157.10	258.92	0.49	
6358.00	15.80	285.20	6336.39	-23.57	-178.40	169.64	179.96	262.47	0.64	
6453.00	16.00	285.60	6427.76	-16.66	-203.50	195.62	204.18	265.32	0.24	
6547.00	15.80	286.10	6518.16	-9.63	-228.27	221.31	228.47	267.58	0.26	
6640.00	15.10	284.80	6607.80	-3.02	-252.15	246.04	252.16	269.31	0.84	
6734.00	13.70	281.20	6698.84	2.27	-274.90	269.40	274.91	270.47	1.77	
6826.00	13.60	284.30	6788.25	7.06	-296.07	291.10	296.16	271.37	0.80	
6921.00	15.20	286.10	6880.26	13.27	-318.86	314.68	319.14	272.38	1.75	

Leam Drilling Systems

Survey Report



Company: V-F Petroleum
Field: New Mexico
Site: Budge Federal Com. #1
Well: Well #2506
Wellpath: 1

Date: 10/1/2004 Time: 09:55:36 Page: 2
Co-ordinate(N/E) Reference: Site: Budge Federal Com. #1, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,281.97Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	ClsD ft	ClsA deg	DLS deg/100ft	Comment
7953.00	17.20	289.60	7866.80	94.99	-609.96	616.40	617.31	278.85	0.82	
8048.00	15.80	287.40	7957.88	103.57	-635.54	643.20	643.92	279.26	1.61	
8141.00	16.00	286.50	8047.33	111.00	-659.91	668.58	669.18	279.55	0.34	
8236.00	17.50	283.90	8138.29	118.15	-686.33	695.91	696.42	279.77	1.76	
8330.00	17.70	288.00	8227.90	125.96	-713.64	724.25	724.67	280.01	1.34	
8425.00	17.70	285.30	8318.40	134.23	-741.30	753.02	753.36	280.26	0.86	
8519.00	17.40	287.30	8408.03	142.18	-768.51	781.28	781.55	280.48	0.72	
8613.00	17.10	288.00	8497.80	150.63	-795.07	809.02	809.21	280.73	0.39	
8707.00	16.50	287.70	8587.79	158.96	-820.93	836.05	836.18	280.96	0.64	
8801.00	17.80	289.80	8677.61	167.89	-847.17	863.57	863.64	281.21	1.53	
8895.00	17.00	286.10	8767.31	176.56	-873.89	891.51	891.55	281.42	1.45	
8990.00	16.60	283.20	8858.25	183.51	-900.44	918.93	918.95	281.52	0.98	
9084.00	16.30	287.70	8948.41	190.59	-926.08	945.48	945.49	281.63	1.39	
9178.00	15.60	287.50	9038.79	198.40	-950.71	971.18	971.19	281.79	0.75	
9271.00	15.30	284.50	9128.43	205.24	-974.51	995.89	995.89	281.89	0.92	
9365.00	15.00	284.10	9219.16	211.30	-998.32	1020.43	1020.43	281.95	0.34	
9459.00	14.20	282.70	9310.13	216.80	-1021.36	1044.12	1044.12	281.98	0.93	
9554.00	14.90	282.90	9402.08	222.09	-1044.63	1067.98	1067.98	282.00	0.74	
9648.00	15.50	282.00	9492.79	227.40	-1068.70	1092.63	1092.63	282.01	0.69	
9735.00	15.50	286.80	9576.63	233.18	-1091.20	1115.84	1115.84	282.06	1.47	
9829.00	15.10	283.10	9667.30	239.58	-1115.15	1140.59	1140.60	282.13	1.12	
9923.00	14.80	281.50	9758.12	244.75	-1138.84	1164.84	1164.84	282.13	0.54	
10017.00	13.90	283.10	9849.19	249.70	-1161.60	1188.14	1188.14	282.13	1.05	
10110.00	13.70	283.60	9939.50	254.83	-1183.19	1210.31	1210.32	282.15	0.25	
10204.00	12.80	283.20	10031.00	259.82	-1204.15	1231.85	1231.86	282.18	0.96	
10298.00	12.80	279.90	10122.66	263.99	-1224.54	1252.67	1252.67	282.17	0.78	
10392.00	11.10	285.20	10214.63	268.15	-1243.53	1272.11	1272.12	282.17	2.15	
10486.00	8.60	288.70	10307.23	272.78	-1258.92	1288.13	1288.14	282.23	2.73	
10579.00	7.50	286.60	10399.32	276.74	-1271.33	1301.08	1301.10	282.28	1.22	
10673.00	6.40	289.50	10492.62	280.24	-1282.15	1312.39	1312.42	282.33	1.23	
10757.00	6.20	289.20	10576.12	283.30	-1290.84	1321.53	1321.56	282.38	0.24	SIDETRACK #1
10851.00	8.20	285.80	10669.37	286.79	-1302.09	1333.26	1333.30	282.42	2.17	
10945.00	7.20	294.70	10762.53	291.08	-1313.89	1345.69	1345.75	282.49	1.65	
11028.00	6.60	294.00	10844.92	295.19	-1322.97	1355.43	1355.51	282.58	0.73	
11122.00	6.30	293.20	10938.33	299.42	-1332.65	1365.77	1365.87	282.66	0.33	
11216.00	5.80	296.00	11031.81	303.54	-1341.66	1375.44	1375.57	282.75	0.62	
11405.00	5.00	301.30	11219.97	312.00	-1357.28	1392.48	1392.68	282.95	0.50	
11593.00	4.00	308.40	11407.39	320.33	-1369.42	1406.08	1406.39	283.17	0.61	
11685.00	3.60	315.40	11499.18	324.38	-1373.96	1411.36	1411.73	283.28	0.67	
11778.00	3.00	325.50	11592.03	328.47	-1377.39	1415.56	1416.01	283.41	0.90	
11872.00	2.20	332.00	11685.93	332.09	-1379.63	1418.51	1419.04	283.53	0.91	
11966.00	1.90	345.10	11779.87	335.19	-1380.88	1420.37	1420.98	283.64	0.59	
12061.00	1.50	351.00	11874.83	337.94	-1381.48	1421.53	1422.21	283.75	0.46	
12155.00	1.40	351.50	11968.80	340.29	-1381.84	1422.37	1423.12	283.83	0.11	
12328.00	1.30	360.00	12141.75	344.34	-1382.15	1423.52	1424.40	283.99	0.13	
12469.00	1.30	35.80	12282.72	347.24	-1381.22	1423.20	1424.20	284.11	0.57	
12564.00	1.80	47.50	12377.68	349.12	-1379.49	1421.90	1422.98	284.20	0.62	
12658.00	1.80	53.30	12471.64	351.00	-1377.21	1420.07	1421.24	284.30	0.19	
12690.00	1.50	53.80	12503.62	351.55	-1376.47	1419.45	1420.66	284.33	0.94	
12750.00	1.50	53.80	12563.60	352.47	-1375.21	1418.41	1419.66	284.38	0.00	PROJECTION TO TD OF 8 3/4" HO