



WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
SHL NM-109643 BHL VA-3117-0000

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
Pending

8. Lease Name and Well No.
Drumstick 7 Federal Com No. 1

9. API Well No.
30-015-36013

10. Field and Pool, or Exploratory
Abo Wildcat

11. Sec., T., R., M., on Block and Survey or Area
7-16S-29E

12. County or Parish
Eddy

13. State
NM

17. Elevations (DF, RKB, RT, GL)*
3671' GR

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
Cimarex Energy Co. of Colorado

3. Address
PO Box 140907; Irving, TX 75014

3a. Phone No (include area code)
972-443-6489

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

At surface 1980 FNL & 660 FEL

At top prod. interval reported below

At total depth 1980 FNL & 330 FWL

14. Date Spudded 01.14.08

15. Date T.D. Reached 03.15.08

16. Date Completed 05.03.08
 D & A Ready to Prod.

18. Total Depth: MD 10,470' TVD 6,891'

19. Plug Back TD: MD 10,470' TVD 6,891'

20. Depth Bridge Plug Set: MD Kick-off plug @ 6716' TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CBL, Gamma Ray, CCL

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

SEP - 3 2008
OCD-ARTESIA

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
17 1/2"	13 3/4" H-40	48	0'	360'		395sx PP C		0'	
12 1/4"	9 3/4" J-55	40	0'	2,612'		700 sx IntC & PP		0'	
8 3/4"	7" P-110	26	0'	7,367'		725 sx IntH & SupH		1800' CBL	
6 1/2"	4 1/2" P-110	11.6	7,223'	10,056'		0			

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 7/8"	6,462'	RSB Pkr @ 6321'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
A) Abo	6,831'	6,935'	No perfs			
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
	Please see attachment...

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 BTU	Production Method
04.21.08	05.07.08	24	→	138	300	130	40.72	1.5013	Producing
Choke Size	Tbg Press Flwg.	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
18/64	SI 180	60	→				2,174	Producing	

28. 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.	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	SI		→						

ACCEPTED FOR RECORD
AUG 25 2008
JERRY FANT
PETROLEUM GEOLOGIST

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

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.)

Vented for testing 04-21-08 to 05-02-08, then 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
				QUEEN	1,486'
				GRAYBURG	1,664'
				SAN ANDRES	2,255'
				GLORIETTA	3,767'
				LOWER ABO	6,831'
				BASE_ANHYDRITE	6,935'
				HUECO_(WLFC)	7,049'
				ATOKA	9,758'

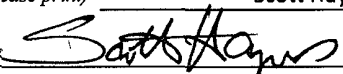
32. Additional remarks (include plugging procedure):

Pilot hole drilled to 10,553' and then plugged back. 1st cement plug from 10553' to 10225' 2nd cement plug from 10020 to 9670' 3rd

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: PEAK Bottom Hole Assembly, Frac Job Attachment

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) Scott Haynes Title Regulatory Analyst
 Signature  Date August 13, 2008

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.

Drumstick 7 Federal Com No. 1

7-16S-29E

Eddy County, NM

Depth Interval	Amount and Type of Material Used
<u>Stage 1</u> 9624'-10056'	Test BJ lines 9200 psi. Casing loaded & pump out plug at 5320#. Pump 119 bbl of 15% HCl NeFe acid, 357 bbl slickwater, SD, 357 bbl Deepspot 15% HCl acid, 1309 bbl slickwater, 238 bbl Lightning 2000 x-linker pad, 0.5 to 1 ppg 30/50# white sand in lightning 2000 gel, & flush with 20# linear gel. Pump down 7" & 4½" liner 55 BPM. Drop 1¾" ball. Pump 119 bbl of 15% HCl NeFe acid & 110 bbl slick water, seat ball open port at 9327.' 52890# 30/50 white sand pumped.
<u>Stage 2</u> 8990'-9624'	Cont pumping 180 bbl slickwater, SD, 184 bbl slickwater, 476 bbl Deepspot 15% HCl acid, 714 bbl slickwater, 238 bbl Lightning 2000 x-linker pad, 0.5 to 1 ppg 30/50# white sand 833 bbls slickwater & flush with 20# linear gel. Drop 2" ball. Pump 119 bbl 15% HCl NeFe acid, 150 bbl slickwater, seat ball, open port at 8691.' Avg rate 56 BPM. 20000# 30/50 white sand pumped.
<u>Stage 3</u> 8396'-8990'	Cont pumping 194 bbl slickwater, SD, 238 bbl Deepspot 15% HCl acid, 595 bbl slickwater, 238 bbl Lightning 2000 x-linker pad, 0.5 to 1 ppg 30/50# white sand, 595 bbl slickwater & flush with 20# linear gel. Drop 2 1/4" ball. Pump 119 bbl 15% HCl NeFe acid, 140 bbl slickwater, seat ball, open port at 8056.' Avg rate 61 BPM. 20000# 30/50# white sand pumped.
<u>Stage 4</u> 7679'-8396'	Cont pumping 119 bbl slickwater, SD, 357 bbl Deepspot 15% HCl acid, 952 bbl slickwater, 238 bbl Lightning 2000 x-linker pad, 0.5 to 1 ppg 30/50# white sand, 1190 bbl slickwater & flush with 20# linear gel. Drop 2 1/2" ball. Pump 119 bbls 15% HCL NEFE acid, 140 bbls slickwater, seat ball, open port at 7387' with 4545#. Avg rate 74 BPM. 20000# 30/50 white sand pumped. .
<u>Stage 5</u> 6698'-7679'	Cont pumping 112 bbl slickwater, SD, 595 bbl Deepspot 15% HCl acid, 1309 bbl slickwater, 238 bbl Lightning 2000 x-linker pad, 0.5 to 1 ppg 30/50# white sand 1667 bbl slickwater & flush with 259 bbl slickwater.

DISTRICT I
825 N. French Dr., Hobbs, NM 88240

DISTRICT II
301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III
000 Rio Brazos Rd., Artec, NM 87410

DISTRICT IV
220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

FORM U-102
Revised October 12, 2005

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-36013	Pool Code	Pool Name ABO; Wildcat
Property Code	Property Name DRUMSTICK "7" FEDERAL COM	Well Number 1
OGRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 3671'

Surface Location

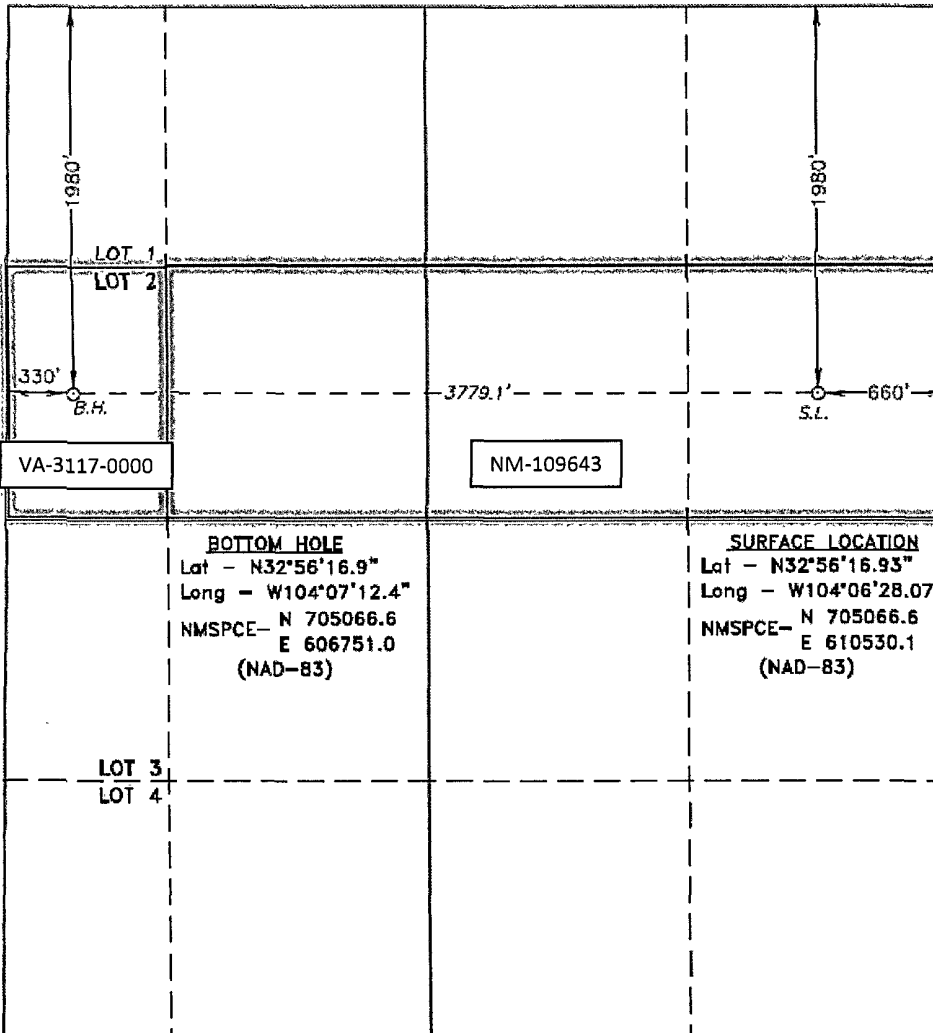
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	7	16 S	29 E		1980	NORTH	660	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
LOT 2	7	16 S	29 E		1980	NORTH	330	WEST	EDDY

Dedicated Acres 144.3	Joint or Infill	Consolidation Code C	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

8-13-08
Signature _____ Date
Scott Haynes
Printed Name

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

OCTOBER 30, 2007

Date Surveyed _____
Signature _____
Professional Surveyor

Certificate No. Gary L. Jones 7977

BOTTOM HOLE ASSEMBLY

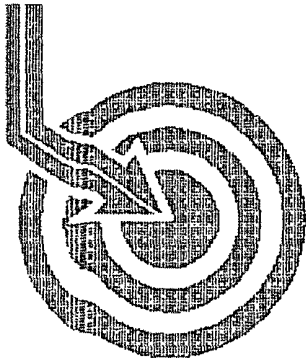
WELL NAME	Drumstick 7 Fed #1 H	DATE	3-19-2008
SUPERVISOR	Mr. Johnny Henderson	TOOL HAND	Gary Combs
PHONE #	303-285-2372	PHONE #	806-215-4655
RIG #	Patterson#623	FIELD TICKET #	9044

ELEVATIONS				
GL ELEV	KB TO THF	KB TO SCF	RIG KBD	PBD

CASING/TUBING INFO	OD (IN)	GRADE	WEIGHT (LB/FT)	TOP @ (FT)
INTERMEDIATE CASING				
CASING DESCRIPTION	7"	P110	26#	
TUBING DESCRIPTION	3 1/2		13.30#	

WELL INFORMATION				
FORMATION	BH TEMP	FLUID LEVEL	FLUID TYPE	FLUID WEIGHT

Top of window = 6698' TD = 10470'						
#	Description	Length	TD of BOT	Wanted TD	ID	OD
1						
2	4 1/2 Pump out plug 4710 PSI	0.85	10056.19	10045.00	1"	4.500
3	2 Jts 4 1/2 11.6# Pipe	82.72	10055.34			
4	Make up sub 4 1/2	2.10	9972.62			
5	7"x4 1/2 Hydro-Pak Anchor 1266 PSI	5.75	9970.52	9985.00	3.990	5.630
6	Pick up sub 4 1/2	6.10	9964.77			
7	8 Jts 4 1/2 11.6# Pipe	329.55	9958.67			
8	Make up sub 4 1/2	2.10	9629.12			
9	7"X4 1/2 Open Hole Iso-Pak 1419 PSI	5.91	9627.02	9620.00	3.990	5.630
10	Pick up sub 4 1/2	6.10	9621.11			
11	7 Jts 4 1/2 11.6# Pipe	286.58	9615.01			
12	Strata-Port W/1.563 Seat	2.90	9328.43	9295.00		
13	8 Jts 4 1/2 11.6# Pipe	330.10	9325.53			
14	Make up sub 4 1/2	2.10	8995.43			
15	7"X4 1/2 Open Hole Iso-Pak 1419 PSI	5.91	8993.33	8970.00	3.990	5.630
16	Pick up sub 4 1/2	6.10	8987.42			
17	7 Jts 4 1/2 11.6# Pipe	289.01	8981.32			
18	Strata-Port W/1.813 Seat	2.70	8692.31	8680.00		
19	7 Jts 4 1/2 11.6# Pipe	288.15	8689.61			
20	Make up sub 4 1/2	2.10	8401.46			
21	7"X4 1/2 Open Hole Iso-Pak 1892 PSI	5.91	8399.36	8390.00	3.990	5.630
22	Pick up sub 4 1/2	6.10	8393.45			
23	8 Jts 4 1/2 11.6# Pipe	330.15	8387.35			
24	Strata-Port W/2.063 Seat	2.95	8057.20	8020.00		
25	9 Jts 4 1/2 11.6# Pipe	369.85	8054.25			
26	Make up sub 4 1/2	2.10	7684.40			
27	7"X4 1/2 Open Hole Iso-Pak 1892 PSI	5.91	7682.30	7650.00	3.990	5.630
28	Pick up sub 4 1/2	6.10	7676.39			
29	9 Jts 4 1/2 11.6# Pipe	362.03	7670.29			
30	Strata-Port W/2.313 Seat	2.90	7308.26	7360.00		
31	2 Jts 4 1/2 11.6# Pipe	82.64	7305.36			
32	Make up sub 4 1/2	2.10	7222.72			
33	7"X 4 1/2 Open Hole Anchor 1688 PSI	5.75	7220.62	7300.00	3.990	5.630
34	Pick up sub 4 1/2	6.10	7214.87			
35	15 Jts 4 1/2 BTC Pipe	649.98	7208.77			
36	Make up sub 4 1/2	1.90	6558.79			
37	7" X 4 1/2 RSBP Packer 1500 PSI	6.30	6556.89	6610.00	4.000	5.875
38	Pick up sub 3 1/2 IF	6.10	6550.59			
39	207 Jts 3 1/2 IF Drill Pipe	6550.59	6544.49			
40			-6.10			
41			-6.10			



Scientific Drilling

CIMAREX ENERGY

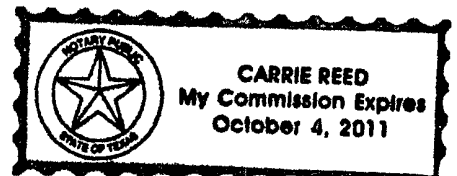
Field: Diamond Mound
Site: Eddy County, NM
Well: Drumstick 7 Federal Com #1
Wellpath: VH - Job #32K0208138
Survey: 02/29/08

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

.....*L. Wharton*..... Company Representative

Notorized this date 11 of July, 2008.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: CIMAREX ENERGY	Date: 07/04/2008	Time: 12:58:51	Page: 1
Field: Diamond Mound	Co-ordinate(NE) Reference:	Site: Eddy County, NM, True North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Drumstick 7 Federal Com #1	Section (VS) Reference:	Well (0.00N,0.00E,86.50Azi)	
Wellpath: VH - Job #32K0208138	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 02/29/08	Start Date:	02/29/2008
Company: Scientific Drilling Internatio	Engineer:	Melendez w/GeoGyro
Tool: Keeper;Keeper Gyro	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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.66	110.38	100.00	0.53	-0.20	0.54	0.66	0.58	110.38
200.00	0.64	99.72	199.99	1.60	-0.50	1.63	0.12	1.70	106.90
300.00	0.61	103.65	299.99	2.65	-0.72	2.70	0.05	2.79	104.85
400.00	0.51	107.74	399.98	3.57	-0.98	3.64	0.11	3.77	105.02
500.00	0.46	92.72	499.98	4.39	-1.13	4.46	0.14	4.61	104.22
600.00	0.45	79.16	599.97	5.18	-1.08	5.25	0.11	5.36	101.59
700.00	0.42	83.98	699.97	5.93	-0.96	6.00	0.05	6.08	99.13
800.00	0.56	90.61	799.97	6.78	-0.93	6.85	0.15	6.92	97.73
900.00	0.53	80.10	899.96	7.73	-0.86	7.80	0.10	7.85	96.27
1000.00	0.29	63.04	999.96	8.42	-0.66	8.48	0.27	8.51	94.47
1100.00	0.29	43.12	1099.96	8.84	-0.36	8.88	0.10	8.89	92.34
1200.00	0.20	63.15	1199.96	9.18	-0.10	9.21	0.12	9.21	90.62
1300.00	0.38	67.49	1299.96	9.66	0.11	9.67	0.18	9.67	89.37
1400.00	0.59	69.39	1399.95	10.46	0.41	10.46	0.21	10.47	87.73
1500.00	0.71	56.37	1499.95	11.49	0.94	11.45	0.19	11.49	85.31
1600.00	0.53	57.00	1599.94	12.43	1.53	12.36	0.18	12.45	82.92
1700.00	0.70	70.47	1699.94	13.42	1.99	13.32	0.22	13.47	81.50
1800.00	0.75	57.86	1799.93	14.58	2.54	14.45	0.17	14.67	80.02
1900.00	0.48	67.97	1899.92	15.55	3.05	15.39	0.29	15.69	78.80
2000.00	0.55	43.79	1999.92	16.30	3.55	16.12	0.23	16.50	77.57
2100.00	0.70	342.11	2099.91	16.50	4.48	16.26	0.65	16.87	74.60
2200.00	0.65	322.40	2199.91	16.03	5.51	15.73	0.24	16.66	70.69
2300.00	0.42	298.74	2299.90	15.40	6.14	15.06	0.31	16.26	67.83
2400.00	0.41	321.91	2399.90	14.89	6.59	14.52	0.17	15.94	65.57
2500.00	0.30	288.81	2499.90	14.45	6.96	14.05	0.23	15.68	63.65
2600.00	0.25	314.24	2599.90	14.06	7.20	13.64	0.13	15.43	62.19
2700.00	0.26	246.14	2699.90	13.70	7.26	13.28	0.29	15.13	61.35
2800.00	0.24	308.34	2799.89	13.33	7.29	12.91	0.26	14.83	60.53
2900.00	0.04	73.19	2899.89	13.21	7.43	12.78	0.26	14.78	59.81
3000.00	0.12	329.87	2999.89	13.19	7.54	12.76	0.13	14.82	59.43
3100.00	0.31	31.56	3099.89	13.30	7.86	12.85	0.27	15.06	58.55
3200.00	0.12	18.77	3199.89	13.50	8.19	13.02	0.19	15.38	57.85
3300.00	0.38	345.11	3299.89	13.47	8.61	12.97	0.29	15.57	56.44
3400.00	0.19	6.53	3399.89	13.44	9.09	12.90	0.21	15.79	54.84
3500.00	0.82	74.23	3499.89	14.16	9.45	13.61	0.77	16.57	55.23
3600.00	0.84	82.12	3599.88	15.59	9.75	15.03	0.12	17.91	57.04
3700.00	0.84	66.76	3699.87	17.01	10.13	16.43	0.22	19.30	58.33
3800.00	0.65	55.33	3799.86	18.19	10.75	17.57	0.24	20.59	58.54
3900.00	0.54	75.20	3899.85	19.14	11.19	18.49	0.23	21.61	58.82
4000.00	0.55	48.91	3999.85	19.98	11.63	19.31	0.25	22.54	58.94
4100.00	0.16	22.68	4099.85	20.42	12.07	19.72	0.41	23.12	58.53
4200.00	0.40	16.65	4199.84	20.60	12.53	19.88	0.24	23.50	57.76
4300.00	0.09	342.05	4299.84	20.70	12.94	19.95	0.33	23.78	57.03
4400.00	0.37	324.33	4399.84	20.51	13.28	19.74	0.29	23.79	56.07
4500.00	0.10	313.62	4499.84	20.28	13.60	19.49	0.27	23.76	55.09
4600.00	0.37	297.06	4599.84	19.94	13.81	19.14	0.28	23.60	54.19
4700.00	0.13	259.08	4699.84	19.55	13.93	18.74	0.28	23.35	53.36
4800.00	0.46	263.70	4799.84	19.04	13.87	18.23	0.33	22.90	52.73



Scientific Drilling International Survey Report

Company: CIMAREX ENERGY

Date: 07/04/2008

Time: 12:58:51

Page: 2

Field: Diamond Mound

Co-ordinate(NE) Reference:

Site: Eddy County, NM, True North

Site: Eddy County, NM

Vertical (TVD) Reference:

SITE 0.0

Well: Drumstick 7 Federal Com #1

Section (VS) Reference:

Well (0.00N,0.00E,86.50Azi)

Wellpath: VH - Job #32K0208138

Survey Calculation Method:

Minimum Curvature

Db: Sybase

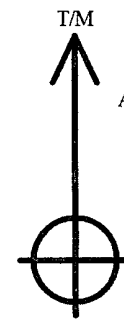
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4900.00	0.44	293.30	4899.83	18.30	13.98	17.48	0.23	22.38	51.35
5000.00	0.45	285.82	4999.83	17.58	14.24	16.74	0.06	21.98	49.63
5100.00	0.48	276.62	5099.83	16.80	14.39	15.95	0.08	21.48	47.94
5200.00	0.50	273.64	5199.82	15.95	14.47	15.10	0.03	20.91	46.23
5300.00	0.29	275.50	5299.82	15.27	14.52	14.41	0.21	20.46	44.79
5400.00	0.37	255.02	5399.82	14.70	14.46	13.85	0.14	20.02	43.76
5500.00	0.35	259.65	5499.82	14.08	14.32	13.24	0.04	19.50	42.74
5600.00	0.21	267.40	5599.82	13.60	14.26	12.75	0.14	19.13	41.81
5700.00	0.14	332.86	5699.82	13.37	14.36	12.51	0.20	19.05	41.07
5800.00	0.05	310.52	5799.82	13.29	14.50	12.42	0.10	19.09	40.60
5900.00	0.51	55.07	5899.82	13.63	14.78	12.76	0.52	19.52	40.80
6000.00	0.53	55.31	5999.81	14.41	15.30	13.50	0.02	20.40	41.43
6100.00	0.69	66.33	6099.81	15.37	15.80	14.43	0.20	21.40	42.41
6200.00	0.70	89.40	6199.80	16.55	16.05	15.60	0.28	22.38	44.18
6300.00	0.95	82.79	6299.79	17.98	16.16	17.03	0.27	23.48	46.50
6400.00	1.87	87.78	6399.76	20.44	16.33	19.48	0.93	25.42	50.03
6500.00	2.52	88.32	6499.68	24.27	16.46	23.31	0.65	28.53	54.78
6600.00	2.59	87.63	6599.58	28.73	16.61	27.76	0.08	32.36	59.11
6700.00	2.91	89.36	6699.47	33.52	16.73	32.56	0.33	36.61	62.80
6800.00	3.39	90.76	6799.32	39.00	16.72	38.05	0.49	41.57	66.28
6900.00	3.95	101.84	6899.11	45.27	15.98	44.38	0.90	47.17	70.20
7000.00	4.83	108.91	6998.82	52.49	13.91	51.74	1.03	53.57	74.95
7100.00	5.43	115.29	7098.42	60.53	10.52	60.00	0.83	60.91	80.05
7200.00	4.94	113.13	7198.01	68.52	6.81	68.23	0.53	68.57	84.30
7277.00	4.18	110.63	7274.77	74.05	4.52	73.91	1.02	74.05	86.50



Scientific
Drilling

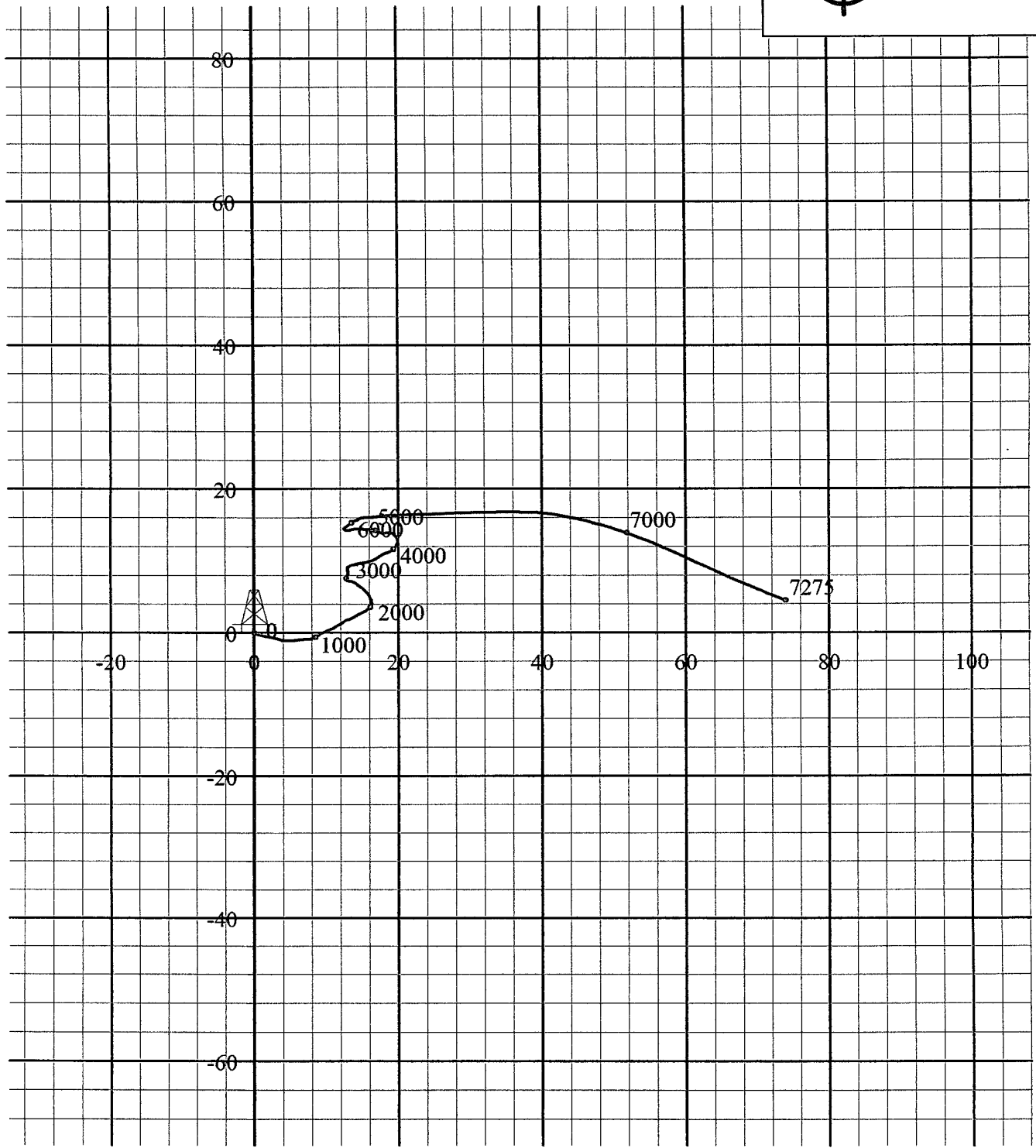
Field: Diamond Mound
Site: Eddy County, NM
Well: Drumstick 7 Federal Com #1
Wellpath: VH - Job #32K0208138
Survey: 02/29/08



Azimuths to True North
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 07/04/2008
Model: igrf2000

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



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

OPERATOR CIMAREX ENERGY CO.
WELL/LEASE DRUMSTICK 7 FED. 1
COUNTY EDDY

623-0168

STATE OF NEW MEXICO
DEVIATION REPORT

239	1.50
816	1.25
1,268	1.75
1,550	1.00
2,050	1.00
3,500	1.00
4,046	1.25
4,491	1.00
5,005	0.25
5,475	0.75
6,008	0.25
6,475	1.50
7,040	5.00
7,103	5.50
7,130	5.25
7,379	3.75
7,688	2.00
8,127	1.50
8,347	0.25
9,150	1.00
9,616	0.50
10,139	0.50

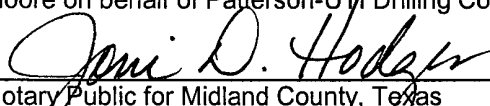
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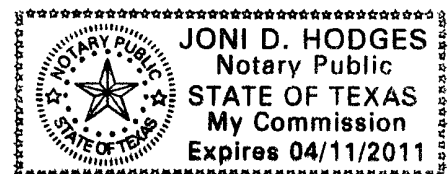
STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on
Moore on behalf of Patterson-UTI Drilling Company LLC.

March 27, 2008, by Steve


Notary Public for Midland County, Texas
My Commission Expires: 4/11/11





Cimarex Energy Company

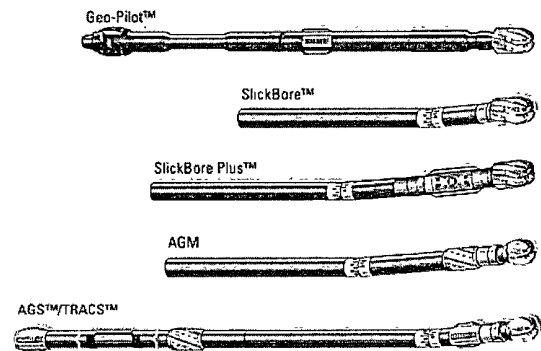
Drumstick "7" Federal No. 1

Eddy County, New Mexico

Sperry Drilling Services

End of Well Report

Prepared For: Cimarex Energy Co. of Colorado



March 17,2008

Submitted by:
Marcus B. Stack - Well Planner
Phillip D. Smith - Directional Drilling Coordinator
Eric Singleton - Sperry Account Rep.
1-800-332-3992
Houston, TX 77032

HALLIBURTON

Cimarex Energy Company

**Drumstick “7” Federal No. 1
Eddy County, NM**

End of Well Report

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BHA Performance Records.....	Section 4
Daily Drilling Activity Reports.....	Section 5

HALLIBURTON

Sperry Drilling Services

Final Surveys and Plot

Cimarex Energy Company

Eddy County, NM
Drumstick "7" Federal Com
#1

Side Track #1

Design: Side Track #1

Sperry Drilling Services Combo Report

17 March, 2008

Well Coordinates: 705,002.81 N, 569,351.15 E (32° 56' 16.52" N, 104° 06' 26.23" W)
Ground Level: 3,671.00 ft

Local Coordinate Origin:	Centered on Well #1
Viewing Datum:	GL 3,671'+ KB 17.5' @ 3688.50ft (Original Well Elev)
TVDs to System:	N
North Reference:	Grid
Unit System:	API - U.S. Survey Feet

Version: 2003.16 Build: 42B

HALLIBURTON

HALLIBURTON**Design Report for #1 - Side Track #1**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (ft)
					Northing (ft)	Easting (ft)	Northing (ft)	Easting (ft)		
0.00	0.00	0.00	-3,688.50	0.00	0.00 N	0.00 E	705,002.81	569,351.15	0.00	0.00
100.00	0.66	110.26	-3,588.50	100.00	0.20 S	0.54 E	705,002.61	569,351.69	0.66	-0.54
200.00	0.64	99.60	-3,488.51	199.99	0.49 S	1.63 E	705,002.32	569,352.78	0.12	-1.63
300.00	0.61	103.53	-3,388.51	299.99	0.71 S	2.70 E	705,002.10	569,353.84	0.05	-2.70
400.00	0.51	107.62	-3,288.52	399.98	0.97 S	3.64 E	705,001.84	569,354.79	0.11	-3.64
500.00	0.46	92.60	-3,188.52	499.98	1.12 S	4.47 E	705,001.69	569,355.61	0.14	-4.47
600.00	0.45	79.04	-3,088.53	599.97	1.07 S	5.25 E	705,001.74	569,356.40	0.11	-5.25
700.00	0.42	83.86	-2,988.53	699.97	0.95 S	6.00 E	705,001.86	569,357.15	0.05	-6.00
800.00	0.56	90.49	-2,888.53	799.97	0.92 S	6.86 E	705,001.89	569,358.00	0.15	-6.86
900.00	0.53	79.98	-2,788.54	899.96	0.84 S	7.80 E	705,001.97	569,358.95	0.10	-7.80
1,000.00	0.29	62.92	-2,688.54	999.96	0.64 S	8.48 E	705,002.16	569,359.63	0.27	-8.48
1,100.00	0.29	43.00	-2,588.54	1,099.96	0.34 S	8.88 E	705,002.46	569,360.02	0.10	-8.88
1,200.00	0.20	63.03	-2,488.54	1,199.96	0.08 S	9.21 E	705,002.73	569,360.35	0.12	-9.21
1,300.00	0.38	67.37	-2,388.54	1,299.96	0.13 N	9.67 E	705,002.94	569,360.81	0.18	-9.67
1,400.00	0.59	69.27	-2,288.55	1,399.95	0.44 N	10.46 E	705,003.25	569,361.60	0.21	-10.46
1,500.00	0.71	56.25	-2,188.55	1,499.95	0.96 N	11.45 E	705,003.77	569,362.60	0.19	-11.45
1,600.00	0.53	56.88	-2,088.56	1,599.94	1.56 N	12.36 E	705,004.37	569,363.50	0.18	-12.36
1,700.00	0.70	70.35	-1,988.56	1,699.94	2.02 N	13.32 E	705,004.83	569,364.46	0.22	-13.32
1,800.00	0.75	57.74	-1,888.57	1,799.93	2.57 N	14.45 E	705,005.38	569,365.59	0.17	-14.45
1,900.00	0.48	67.85	-1,788.58	1,899.92	3.08 N	15.39 E	705,005.89	569,366.53	0.29	-15.39
2,000.00	0.55	43.67	-1,688.58	1,999.92	3.59 N	16.11 E	705,006.39	569,367.25	0.23	-16.11
2,100.00	0.70	341.99	-1,588.59	2,099.91	4.51 N	16.25 E	705,007.32	569,367.39	0.65	-16.25
2,200.00	0.65	322.28	-1,488.59	2,199.91	5.54 N	15.71 E	705,008.35	569,366.86	0.24	-15.71
2,300.00	0.42	298.62	-1,388.60	2,299.90	6.17 N	15.05 E	705,008.98	569,366.19	0.31	-15.05
2,400.00	0.41	321.79	-1,288.60	2,399.90	6.62 N	14.50 E	705,009.43	569,365.65	0.17	-14.50
2,500.00	0.30	288.69	-1,188.60	2,499.90	6.99 N	14.03 E	705,009.80	569,365.18	0.23	-14.03
2,600.00	0.25	314.12	-1,088.60	2,599.90	7.23 N	13.63 E	705,010.03	569,364.77	0.13	-13.63
2,700.00	0.26	246.02	-988.60	2,699.90	7.28 N	13.26 E	705,010.09	569,364.41	0.29	-13.26
2,800.00	0.24	308.22	-888.61	2,799.89	7.32 N	12.89 E	705,010.13	569,364.04	0.26	-12.89
2,900.00	0.04	73.07	-788.61	2,899.89	7.46 N	12.76 E	705,010.27	569,363.91	0.26	-12.76
3,000.00	0.12	329.75	-688.61	2,999.89	7.56 N	12.74 E	705,010.37	569,363.89	0.13	-12.74
3,100.00	0.31	31.44	-588.61	3,099.89	7.88 N	12.83 E	705,010.69	569,363.98	0.27	-12.83
3,200.00	0.12	18.65	-488.61	3,199.89	8.21 N	13.00 E	705,011.02	569,364.15	0.19	-13.00
3,300.00	0.38	344.99	-388.61	3,299.89	8.63 N	12.95 E	705,011.44	569,364.10	0.29	-12.95
3,400.00	0.19	6.41	-288.61	3,399.89	9.12 N	12.88 E	705,011.93	569,364.03	0.21	-12.88
3,500.00	0.82	74.11	-188.61	3,499.89	9.48 N	13.59 E	705,012.29	569,364.74	0.77	-13.59
3,600.00	0.84	82.00	-88.62	3,599.88	9.78 N	15.01 E	705,012.59	569,366.15	0.12	-15.01
3,700.00	0.84	66.64	11.37	3,699.87	10.17 N	16.40 E	705,012.98	569,367.55	0.22	-16.40
3,800.00	0.65	55.21	111.36	3,799.86	10.78 N	17.54 E	705,013.59	569,368.69	0.24	-17.54
3,900.00	0.54	75.08	211.35	3,899.85	11.23 N	18.46 E	705,014.04	569,369.61	0.23	-18.46
4,000.00	0.55	48.79	311.35	3,999.85	11.67 N	19.28 E	705,014.47	569,370.43	0.25	-19.28
4,100.00	0.16	22.56	411.35	4,099.85	12.11 N	19.70 E	705,014.92	569,370.84	0.41	-19.70
4,200.00	0.40	16.53	511.34	4,199.84	12.58 N	19.85 E	705,015.38	569,370.99	0.24	-19.85
4,300.00	0.09	341.93	611.34	4,299.84	12.99 N	19.92 E	705,015.79	569,371.07	0.33	-19.92
4,400.00	0.37	324.21	711.34	4,399.84	13.32 N	19.71 E	705,016.13	569,370.85	0.29	-19.71

HALLIBURTON**Design Report for #1 - Side Track #1**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (ft)
					Northing (ft)	Easting (ft)	Northing (ft)	Easting (ft)		
4,500.00	0.10	313.50	811.34	4,499.84	13.64 N	19.46 E	705,016.45	569,370.60	0.27	-19.46
4,600.00	0.37	296.94	911.34	4,599.84	13.85 N	19.11 E	705,016.66	569,370.25	0.28	-19.11
4,700.00	0.13	258.96	1,011.34	4,699.84	13.97 N	18.71 E	705,016.78	569,369.85	0.28	-18.71
4,800.00	0.46	263.58	1,111.34	4,799.84	13.91 N	18.20 E	705,016.72	569,369.34	0.33	-18.20
4,900.00	0.44	293.18	1,211.33	4,899.83	14.01 N	17.45 E	705,016.82	569,368.59	0.23	-17.45
5,000.00	0.45	285.70	1,311.33	4,999.83	14.27 N	16.71 E	705,017.08	569,367.86	0.06	-16.71
5,100.00	0.48	276.50	1,411.33	5,099.83	14.43 N	15.92 E	705,017.23	569,367.07	0.08	-15.92
5,200.00	0.50	273.52	1,511.32	5,199.82	14.50 N	15.07 E	705,017.31	569,366.21	0.03	-15.07
5,300.00	0.29	275.38	1,611.32	5,299.82	14.55 N	14.38 E	705,017.36	569,365.53	0.21	-14.38
5,400.00	0.37	254.90	1,711.32	5,399.82	14.49 N	13.82 E	705,017.30	569,364.96	0.14	-13.82
5,500.00	0.35	259.53	1,811.32	5,499.82	14.35 N	13.21 E	705,017.16	569,364.35	0.04	-13.21
5,600.00	0.21	267.28	1,911.32	5,599.82	14.29 N	12.72 E	705,017.09	569,363.87	0.14	-12.72
5,700.00	0.14	332.74	2,011.32	5,699.82	14.39 N	12.48 E	705,017.19	569,363.63	0.20	-12.48
5,800.00	0.05	310.40	2,111.32	5,799.82	14.52 N	12.39 E	705,017.33	569,363.54	0.10	-12.39
5,900.00	0.51	54.95	2,211.32	5,899.82	14.81 N	12.72 E	705,017.61	569,363.87	0.52	-12.72
6,000.00	0.53	55.19	2,311.31	5,999.81	15.33 N	13.47 E	705,018.13	569,364.61	0.02	-13.47
6,100.00	0.69	66.21	2,411.31	6,099.81	15.83 N	14.40 E	705,018.64	569,365.54	0.20	-14.40
6,200.00	0.70	89.28	2,511.30	6,199.80	16.08 N	15.56 E	705,018.89	569,366.71	0.28	-15.56
6,300.00	0.95	82.67	2,611.29	6,299.79	16.20 N	16.99 E	705,019.00	569,368.14	0.27	-16.99
6,400.00	1.87	87.66	2,711.26	6,399.76	16.37 N	19.45 E	705,019.18	569,370.59	0.93	-19.45
6,500.00	2.52	88.20	2,811.18	6,499.68	16.51 N	23.27 E	705,019.31	569,374.42	0.65	-23.27
6,600.00	2.59	87.51	2,911.08	6,599.58	16.67 N	27.73 E	705,019.48	569,378.87	0.08	-27.73
6,700.00	2.91	89.24	3,010.97	6,699.47	16.80 N	32.52 E	705,019.61	569,383.67	0.33	-32.52
6,709.00	2.91	265.33	3,019.96	6,708.46	16.79 N	32.53 E	705,019.60	569,383.67	64.63	-32.52
6,748.00	6.76	321.42	3,058.84	6,747.34	18.50 N	30.10 E	705,021.31	569,381.25	14.55	-30.10
6,768.00	8.67	299.97	3,078.66	6,767.16	20.18 N	28.06 E	705,022.99	569,379.21	17.12	-28.06
6,784.00	12.08	289.43	3,094.40	6,782.90	21.34 N	25.44 E	705,024.15	569,376.58	24.31	-25.44
6,799.00	14.89	283.13	3,108.98	6,797.48	22.30 N	22.08 E	705,025.11	569,373.23	21.11	-22.08
6,815.00	17.54	282.59	3,124.34	6,812.84	23.29 N	17.73 E	705,026.10	569,368.87	16.59	-17.73
6,831.00	21.36	288.09	3,139.43	6,827.93	24.72 N	12.60 E	705,027.53	569,363.75	26.45	-12.60
6,847.00	25.83	286.79	3,154.09	6,842.59	26.63 N	6.49 E	705,029.44	569,357.64	28.12	-6.49
6,863.00	29.84	284.97	3,168.23	6,856.73	28.67 N	0.69 W	705,031.48	569,350.45	25.62	0.69
6,879.00	33.78	280.69	3,181.83	6,870.33	30.52 N	8.92 W	705,033.33	569,342.23	28.36	8.92
6,895.00	37.00	276.18	3,194.87	6,883.37	31.87 N	18.08 W	705,034.68	569,333.07	25.90	18.08
6,911.00	40.30	271.35	3,207.37	6,895.87	32.51 N	28.04 W	705,035.32	569,323.10	27.93	28.04
6,927.00	44.03	268.03	3,219.23	6,907.73	32.44 N	38.78 W	705,035.25	569,312.37	27.15	38.78
6,943.00	48.13	265.62	3,230.33	6,918.83	31.79 N	50.28 W	705,034.60	569,300.87	27.82	50.28
6,959.00	51.75	264.68	3,240.62	6,929.12	30.76 N	62.48 W	705,033.56	569,288.67	23.07	62.48
6,975.00	55.48	260.50	3,250.11	6,938.61	29.08 N	75.24 W	705,031.89	569,275.90	31.39	75.24
6,988.00	59.72	264.23	3,257.08	6,945.58	27.63 N	86.12 W	705,030.44	569,265.03	40.62	86.12
7,004.00	65.02	263.64	3,264.50	6,953.00	26.14 N	100.21 W	705,028.94	569,250.94	33.29	100.21
7,020.00	69.53	262.71	3,270.68	6,959.18	24.38 N	114.86 W	705,027.19	569,236.29	28.69	114.86
7,051.00	77.93	261.40	3,279.35	6,967.85	20.26 N	144.30 W	705,023.07	569,206.84	27.40	144.30
7,083.00	81.93	261.64	3,284.95	6,973.45	15.62 N	175.46 W	705,018.43	569,175.69	12.52	175.46
7,115.00	85.52	262.11	3,288.45	6,976.95	11.12 N	206.94 W	705,013.93	569,144.20	11.31	206.94

HALLIBURTON**Design Report for #1 - Side Track #1**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (ft)
					Northing (ft)	Easting (ft)	Northing (ft)	Easting (ft)		
7,146.00	88.57	263.15	3,290.04	6,978.54	7.15 N	237.64 W	705,009.96	569,113.50	10.39	237.64
7,178.00	92.24	264.81	3,289.82	6,978.32	3.80 N	269.46 W	705,006.61	569,081.69	12.59	269.46
7,210.00	95.65	265.92	3,287.62	6,976.12	1.22 N	301.27 W	705,004.03	569,049.87	11.20	301.27
7,241.00	99.50	266.53	3,283.53	6,972.03	0.80 S	331.93 W	705,002.00	569,019.22	12.57	331.93
7,273.00	100.82	266.67	3,277.89	6,966.39	2.67 S	363.37 W	705,000.14	568,987.77	4.15	363.37
7,305.00	101.46	266.40	3,271.70	6,960.20	4.57 S	394.71 W	704,998.24	568,956.43	2.16	394.71
7,337.00	100.88	267.12	3,265.50	6,954.00	6.34 S	426.05 W	704,996.46	568,925.09	2.86	426.05
7,368.00	99.68	268.58	3,259.97	6,948.47	7.49 S	456.53 W	704,995.32	568,894.61	6.04	456.53
7,400.00	98.48	269.10	3,254.92	6,943.42	8.13 S	488.12 W	704,994.68	568,863.02	4.08	488.12
7,432.00	97.43	269.12	3,250.49	6,938.99	8.62 S	519.81 W	704,994.19	568,831.33	3.28	519.81
7,463.00	94.82	267.86	3,247.19	6,935.69	9.43 S	550.62 W	704,993.38	568,800.52	9.34	550.62
7,495.00	93.07	269.89	3,244.98	6,933.48	10.06 S	582.54 W	704,992.75	568,768.61	8.36	582.54
7,526.00	90.81	269.96	3,243.93	6,932.43	10.10 S	613.52 W	704,992.71	568,737.63	7.29	613.52
7,558.00	88.64	270.37	3,244.09	6,932.59	10.01 S	645.51 W	704,992.80	568,705.63	6.90	645.51
7,590.00	86.89	271.01	3,245.34	6,933.84	9.62 S	677.49 W	704,993.19	568,673.66	5.82	677.49
7,621.00	84.78	271.62	3,247.59	6,936.09	8.91 S	708.39 W	704,993.90	568,642.75	7.08	708.39
7,653.00	84.42	271.63	3,250.60	6,939.10	8.01 S	740.24 W	704,994.80	568,610.91	1.13	740.24
7,685.00	84.63	271.50	3,253.65	6,942.15	7.14 S	772.08 W	704,995.67	568,579.06	0.77	772.08
7,717.00	86.06	271.09	3,256.25	6,944.75	6.42 S	803.97 W	704,996.39	568,547.18	4.65	803.97
7,749.00	87.63	271.27	3,258.01	6,946.51	5.76 S	835.91 W	704,997.05	568,515.23	4.94	835.91
7,780.00	87.92	271.16	3,259.21	6,947.71	5.10 S	866.88 W	704,997.70	568,484.26	1.00	866.88
7,812.00	89.44	271.04	3,259.95	6,948.45	4.49 S	898.87 W	704,998.32	568,452.28	4.76	898.87
7,844.00	90.74	271.41	3,259.90	6,948.40	3.81 S	930.86 W	704,999.00	568,420.29	4.22	930.86
7,875.00	91.24	271.26	3,259.37	6,947.87	3.08 S	961.84 W	704,999.72	568,389.30	1.68	961.84
7,907.00	91.33	270.85	3,258.65	6,947.15	2.49 S	993.83 W	705,000.31	568,357.31	1.31	993.83
7,939.00	91.79	270.38	3,257.78	6,946.28	2.15 S	1,025.82 W	705,000.66	568,325.33	2.05	1,025.82
7,970.00	92.23	270.87	3,256.69	6,945.19	1.81 S	1,056.80 W	705,000.99	568,294.35	2.12	1,056.80
8,002.00	92.67	271.43	3,255.32	6,943.82	1.17 S	1,088.76 W	705,001.64	568,262.39	2.22	1,088.76
8,034.00	92.87	271.24	3,253.77	6,942.27	0.43 S	1,120.71 W	705,002.38	568,230.43	0.86	1,120.71
8,066.00	93.36	271.23	3,252.04	6,940.54	0.26 N	1,152.66 W	705,003.07	568,198.49	1.53	1,152.66
8,097.00	94.46	271.82	3,249.92	6,938.42	1.08 N	1,183.57 W	705,003.89	568,167.57	4.02	1,183.57
8,129.00	93.33	271.86	3,247.75	6,936.25	2.11 N	1,215.48 W	705,004.92	568,135.66	3.53	1,215.48
8,161.00	92.37	272.04	3,246.16	6,934.66	3.20 N	1,247.43 W	705,006.01	568,103.72	3.05	1,247.43
8,193.00	91.58	272.43	3,245.05	6,933.55	4.44 N	1,279.38 W	705,007.25	568,071.76	2.75	1,279.38
8,224.00	92.07	272.40	3,244.07	6,932.57	5.75 N	1,310.34 W	705,008.56	568,040.81	1.58	1,310.34
8,256.00	90.68	272.88	3,243.30	6,931.80	7.22 N	1,342.29 W	705,010.03	568,008.85	4.60	1,342.29
8,288.00	89.23	273.55	3,243.32	6,931.82	9.02 N	1,374.24 W	705,011.83	567,976.90	4.99	1,374.24
8,320.00	89.54	273.66	3,243.67	6,932.17	11.03 N	1,406.18 W	705,013.84	567,944.97	1.03	1,406.18
8,351.00	90.23	273.86	3,243.73	6,932.23	13.06 N	1,437.11 W	705,015.87	567,914.03	2.32	1,437.11
8,383.00	90.25	273.79	3,243.60	6,932.10	15.20 N	1,469.04 W	705,018.01	567,882.11	0.23	1,469.04
8,415.00	89.07	272.97	3,243.79	6,932.29	17.08 N	1,500.98 W	705,019.89	567,850.16	4.49	1,500.98
8,447.00	89.37	273.02	3,244.22	6,932.72	18.76 N	1,532.94 W	705,021.56	567,818.21	0.95	1,532.94
8,478.00	89.84	273.24	3,244.44	6,932.94	20.45 N	1,563.89 W	705,023.26	567,787.26	1.67	1,563.89
8,510.00	90.12	273.44	3,244.45	6,932.95	22.31 N	1,595.83 W	705,025.12	567,755.31	1.08	1,595.83
8,542.00	90.74	272.28	3,244.21	6,932.71	23.91 N	1,627.79 W	705,026.72	567,723.35	4.11	1,627.79

HALLIBURTON**Design Report for #1 - Side Track #1**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (ft)
					Northing (ft)	Easting (ft)	Northing (ft)	Easting (ft)		
8,573.00	90.95	272.40	3,243.75	6,932.25	25.18 N	1,658.76 W	705,027.98	567,692.38	0.78	1,658.76
8,605.00	90.03	271.17	3,243.48	6,931.98	26.17 N	1,690.75 W	705,028.98	567,660.40	4.80	1,690.75
8,636.00	90.87	272.14	3,243.23	6,931.73	27.07 N	1,721.73 W	705,029.88	567,629.41	4.14	1,721.73
8,668.00	91.70	273.59	3,242.51	6,931.01	28.67 N	1,753.68 W	705,031.47	567,597.46	5.22	1,753.68
8,699.00	91.74	272.72	3,241.58	6,930.08	30.37 N	1,784.62 W	705,033.18	567,566.52	2.81	1,784.62
8,731.00	92.13	272.70	3,240.50	6,929.00	31.88 N	1,816.57 W	705,034.69	567,534.58	1.22	1,816.57
8,763.00	92.03	271.52	3,239.34	6,927.84	33.06 N	1,848.52 W	705,035.87	567,502.62	3.70	1,848.52
8,795.00	92.64	271.66	3,238.04	6,926.54	33.95 N	1,880.48 W	705,036.76	567,470.66	1.96	1,880.48
8,826.00	92.64	270.14	3,236.61	6,925.11	34.43 N	1,911.45 W	705,037.24	567,439.70	4.90	1,911.45
8,858.00	92.99	269.95	3,235.04	6,923.54	34.46 N	1,943.41 W	705,037.27	567,407.74	1.24	1,943.41
8,890.00	91.98	268.96	3,233.65	6,922.15	34.16 N	1,975.38 W	705,036.96	567,375.77	4.42	1,975.38
8,921.00	92.34	268.91	3,232.48	6,920.98	33.58 N	2,006.35 W	705,036.39	567,344.80	1.17	2,006.35
8,953.00	90.96	268.55	3,231.56	6,920.06	32.87 N	2,038.33 W	705,035.68	567,312.82	4.46	2,038.33
8,985.00	91.11	268.46	3,230.98	6,919.48	32.04 N	2,070.31 W	705,034.84	567,280.83	0.55	2,070.31
9,016.00	91.33	268.37	3,230.32	6,918.82	31.18 N	2,101.29 W	705,033.99	567,249.85	0.77	2,101.29
9,048.00	90.43	268.62	3,229.83	6,918.33	30.34 N	2,133.28 W	705,033.15	567,217.87	2.92	2,133.28
9,080.00	90.62	268.89	3,229.54	6,918.04	29.64 N	2,165.27 W	705,032.45	567,185.88	1.03	2,165.27
9,112.00	90.83	268.95	3,229.13	6,917.63	29.04 N	2,197.26 W	705,031.85	567,153.89	0.68	2,197.26
9,144.00	91.32	269.16	3,228.53	6,917.03	28.51 N	2,229.25 W	705,031.32	567,121.90	1.67	2,229.25
9,175.00	91.82	269.37	3,227.68	6,916.18	28.11 N	2,260.23 W	705,030.92	567,090.91	1.75	2,260.23
9,207.00	92.27	269.48	3,226.54	6,915.04	27.79 N	2,292.21 W	705,030.60	567,058.93	1.45	2,292.21
9,239.00	92.97	269.52	3,225.08	6,913.58	27.52 N	2,324.18 W	705,030.32	567,026.97	2.19	2,324.18
9,271.00	93.74	269.59	3,223.21	6,911.71	27.27 N	2,356.12 W	705,030.07	566,995.02	2.42	2,356.12
9,302.00	92.42	269.15	3,221.54	6,910.04	26.93 N	2,387.07 W	705,029.73	566,964.07	4.49	2,387.07
9,334.00	92.16	268.86	3,220.26	6,908.76	26.37 N	2,419.04 W	705,029.18	566,932.10	1.22	2,419.04
9,366.00	91.08	268.47	3,219.36	6,907.86	25.63 N	2,451.02 W	705,028.43	566,900.12	3.59	2,451.02
9,398.00	91.81	268.47	3,218.55	6,907.05	24.77 N	2,483.00 W	705,027.58	566,868.15	2.28	2,483.00
9,429.00	92.90	268.38	3,217.28	6,905.78	23.92 N	2,513.96 W	705,026.73	566,837.18	3.53	2,513.96
9,461.00	92.06	268.16	3,215.89	6,904.39	22.96 N	2,545.92 W	705,025.76	566,805.23	2.71	2,545.92
9,493.00	91.23	268.00	3,214.97	6,903.47	21.88 N	2,577.89 W	705,024.69	566,773.26	2.64	2,577.89
9,525.00	90.56	267.97	3,214.47	6,902.97	20.76 N	2,609.86 W	705,023.57	566,741.28	2.10	2,609.86
9,556.00	89.63	268.28	3,214.42	6,902.92	19.74 N	2,640.84 W	705,022.55	566,710.30	3.16	2,640.84
9,588.00	88.30	268.39	3,215.00	6,903.50	18.81 N	2,672.82 W	705,021.62	566,678.32	4.17	2,672.82
9,620.00	88.86	268.34	3,215.79	6,904.29	17.90 N	2,704.80 W	705,020.71	566,646.34	1.76	2,704.80
9,651.00	89.57	268.44	3,216.22	6,904.72	17.03 N	2,735.79 W	705,019.84	566,615.36	2.31	2,735.79
9,683.00	90.09	268.59	3,216.31	6,904.81	16.20 N	2,767.78 W	705,019.01	566,583.37	1.69	2,767.78
9,715.00	90.46	268.48	3,216.16	6,904.66	15.38 N	2,799.76 W	705,018.19	566,551.38	1.21	2,799.76
9,746.00	91.20	268.32	3,215.71	6,904.21	14.52 N	2,830.75 W	705,017.33	566,520.40	2.44	2,830.75
9,778.00	91.79	268.14	3,214.88	6,903.38	13.53 N	2,862.72 W	705,016.34	566,488.42	1.93	2,862.72
9,810.00	92.50	267.81	3,213.68	6,902.18	12.40 N	2,894.68 W	705,015.21	566,456.46	2.45	2,894.68
9,841.00	91.08	268.00	3,212.71	6,901.21	11.27 N	2,925.64 W	705,014.08	566,425.50	4.62	2,925.64
9,873.00	89.69	268.33	3,212.49	6,900.99	10.24 N	2,957.63 W	705,013.05	566,393.52	4.46	2,957.63
9,937.00	90.77	268.05	3,212.24	6,900.74	8.22 N	3,021.59 W	705,011.03	566,329.55	1.74	3,021.59
9,968.00	90.96	267.84	3,211.77	6,900.27	7.11 N	3,052.57 W	705,009.92	566,298.58	0.91	3,052.57
10,000.00	91.51	267.71	3,211.08	6,899.58	5.87 N	3,084.54 W	705,008.68	566,266.61	1.77	3,084.54

HALLIBURTON**Design Report for #1 - Side Track #1**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (ft)
					Northing (ft)	Easting (ft)	Northing (ft)	Easting (ft)		
10,032.00	91.82	267.23	3,210.15	6,898.65	4.46 N	3,116.49 W	705,007.26	566,234.65	1.79	3,116.49
10,063.00	92.50	267.23	3,208.98	6,897.48	2.96 N	3,147.43 W	705,005.77	566,203.71	2.19	3,147.43
10,095.00	92.56	267.90	3,207.57	6,896.07	1.60 N	3,179.37 W	705,004.41	566,171.77	2.10	3,179.37
10,127.00	92.22	268.24	3,206.23	6,894.73	0.52 N	3,211.33 W	705,003.33	566,139.82	1.50	3,211.33
10,158.00	90.99	268.74	3,205.37	6,893.87	0.29 S	3,242.30 W	705,002.52	566,108.84	4.28	3,242.30
10,190.00	90.00	269.45	3,205.09	6,893.59	0.80 S	3,274.30 W	705,002.01	566,076.85	3.81	3,274.30
10,222.00	90.43	269.06	3,204.97	6,893.47	1.21 S	3,306.29 W	705,001.59	566,044.85	1.81	3,306.29
10,253.00	91.14	269.17	3,204.55	6,893.05	1.69 S	3,337.29 W	705,001.12	566,013.86	2.32	3,337.29
10,285.00	91.76	269.46	3,203.74	6,892.24	2.08 S	3,369.28 W	705,000.73	565,981.87	2.14	3,369.28
10,317.00	91.82	269.87	3,202.74	6,891.24	2.26 S	3,401.26 W	705,000.55	565,949.89	1.29	3,401.26
10,349.00	90.99	270.13	3,201.95	6,890.45	2.26 S	3,433.25 W	705,000.55	565,917.90	2.72	3,433.25
10,380.00	89.94	270.54	3,201.70	6,890.20	2.08 S	3,464.25 W	705,000.73	565,886.90	3.64	3,464.25
10,412.00	89.63	270.67	3,201.82	6,890.32	1.74 S	3,496.25 W	705,001.07	565,854.90	1.05	3,496.25
Last MWD at 10,412' MD										
10,470.00	89.63	270.67	3,202.19	6,890.69	1.06 S	3,554.24 W	705,001.74	565,796.91	0.00	3,554.24
Projection to TD at 10,470' MD										

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
10,412.00	6,890.32	-1.74	-3,496.25	Last MWD at 10,412' MD
10,470.00	6,890.69	-1.06	-3,554.24	Projection to TD at 10,470' MD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin		Start TVD (ft)
				+N/-S (ft)	+E/-W (ft)	
Target	D."7"F.#1PBHL(P1)	270.00	Slot	0.00	0.00	0.00
6,709.00	10,470.00	MWD Survey			MWD	

Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
D."7"F.#1PBHL(P1)	0.00	0.02	6,911.00	0.03	-3,779.10	705,002.83	565,572.05	32° 56' 16.602 N	104° 7' 10.571 W
- actual wellpath misses by 225.78ft at 10470.00ft MD (6890.69 TVD, -1.06 N, -3554.24 E)									
- Point									

HALLIBURTON**North Reference Sheet for Drumstick "7" Federal Com - #1 - Side Track #1**

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to Grid North Reference.

Vertical Depths are relative to GL 3,671'+ KB 17.5' @ 3688.50ft (Original Well Elev). Northing and Easting are relative to #1

Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 3001 using datum NAD 1927 (NADCON CONUS), ellipsoid Clarke 1866

Projection method is Transverse Mercator (Gauss-Kruger)

Central Meridian is 104° 20' 0.000 W°, Longitude Origin:0° 0' 0.000 E°, Latitude Origin:0° 0' 0.000 N°

False Easting: 500,000.00ft, False Northing: 0.00ft, Scale Reduction: 0.99991460

Grid Coordinates of Well: 705,002.81 ft N, 569,351.15 ft E

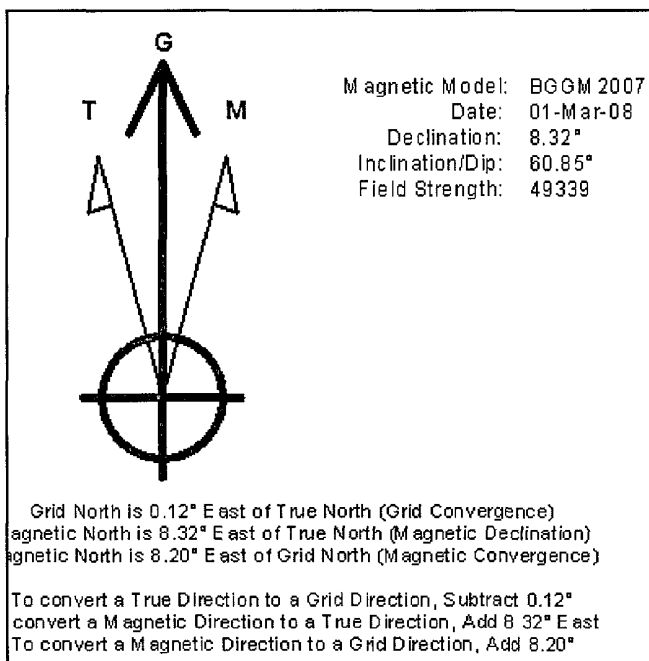
Geographical Coordinates of Well: 32° 56' 16.52" N, 104° 06' 26.23" W

Grid Convergence at Surface is: 0.12°

Based upon Minimum Curvature type calculations, at a Measured Depth of 10,470.00ft

the Bottom Hole Displacement is 3,554.24ft in the Direction of 269.98° (Grid).

Magnetic Convergence at surface is: -8.20° (1 March 2008 , BGGM2007)

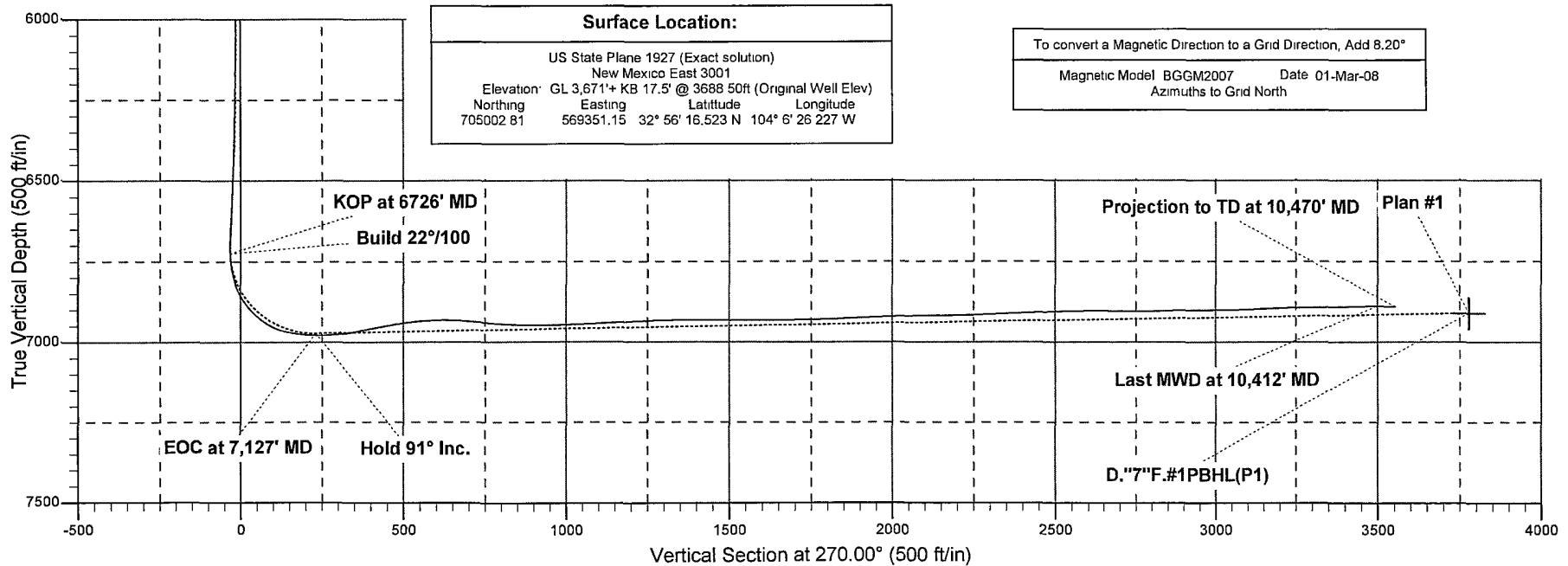
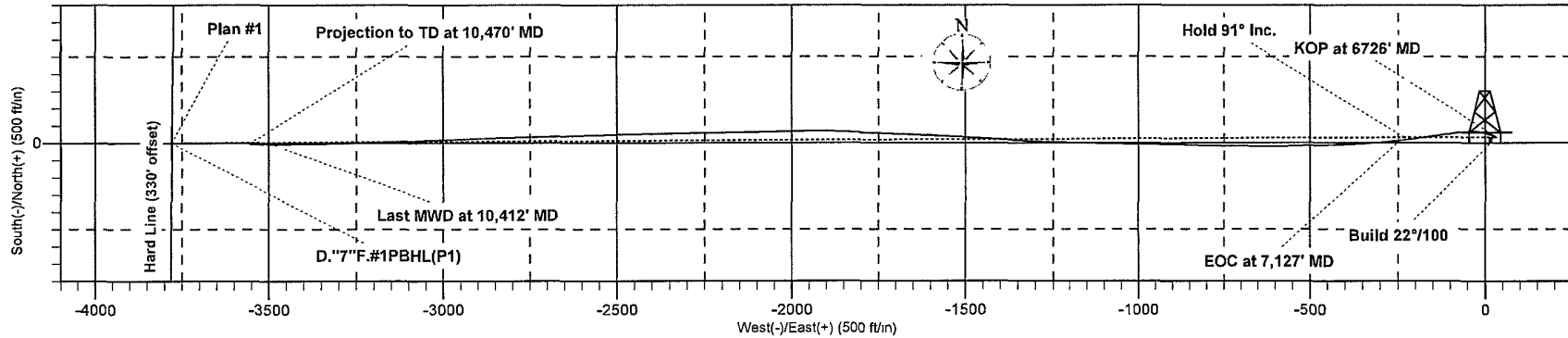


Project: Eddy County, NM
Site: Drumstick "7" Federal Com
Well: #1
Wellbore: Side Track #1
Design: Side Track #1 (#1/Side Track #1)
Rig: Original Well Elev



WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
D."7"F.#1PBHL(P1)	6911 00	0.03	-3779 10	705002.83	565572.05	Point



Surface Location:

US State Plane 1927 (Exact solution)
 New Mexico East 3001
 Elevation: GL 3,671'+ KB 17.5' @ 3688 50ft (Original Well Elev)
 Northing: 705002 81 Easting: 569351.15 Latitude: 32° 56' 16.523 N Longitude: 104° 6' 26 227 W

To convert a Magnetic Direction to a Grid Direction, Add 8.20°

Magnetic Model BGM2007 Date 01-Mar-08
 Azimuths to Grid North

Well Summary and Graphs

Operator : Cimarex
 Well Name : Drumstick "7" Federal Com.

Job Objectives:

Summary of Results:

Discussion:

BHA #	Bit #	Motor Run #	Hole Size (in)	MD In (ft)	MD Out (ft)	TVD In (ft)	TVD Out (ft)	Inc In (deg)	Inc Out (deg)	Azi In (deg)	Azi Out (deg)	Drlg hrs	Circ hrs
1	1	?	6.125	6709	7022	6708	6960	2.9	70.1	265	263	17	3
2	?	?	6.125	7022	7051	6960	6968	70.1	77.9	263	261	2	4
3	3	?	6.125	7051	9352	6968	6908	77.9	91.6	261	269	96	5
4	4	?	6.125	9352	10470	6908	6891	91.6	89.6	269	271	51	3

Table 1 - BHA Summary

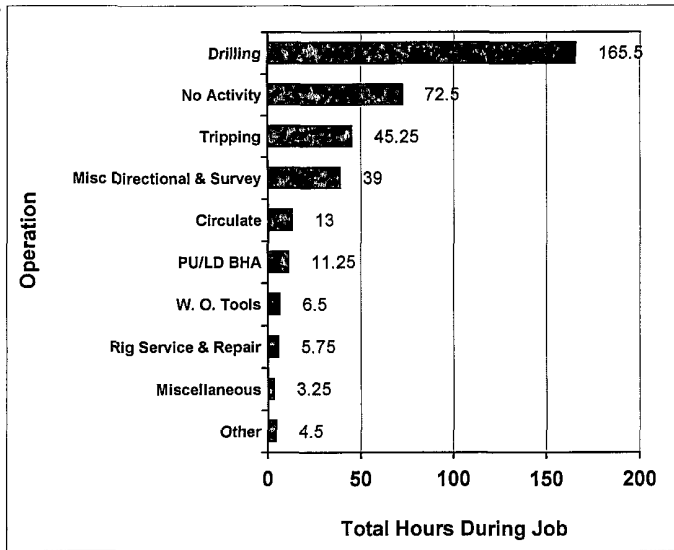
Motor Run #	Manufacturer	Type	Lobe	OD (in)	Gauge (in)	Bend (deg)	Adj	DLS (Ori) ('/100')	ROP (Ori) (ft/hr)	ROP (Rot) (ft/hr)
?	SSDS	SperryDrill	7/8	4.750		2.38	Y		18	0
?	SSDS	SperryDrill	7/8	4.750		2.89	Y		15	0
?	SSDS	SperryDrill	7/8	4.750		1.50	Y		20	26
?	SSDS	SperryDrill	7/8	4.750		1.50	Y		4	26

Table 2 - Motor Run Summary

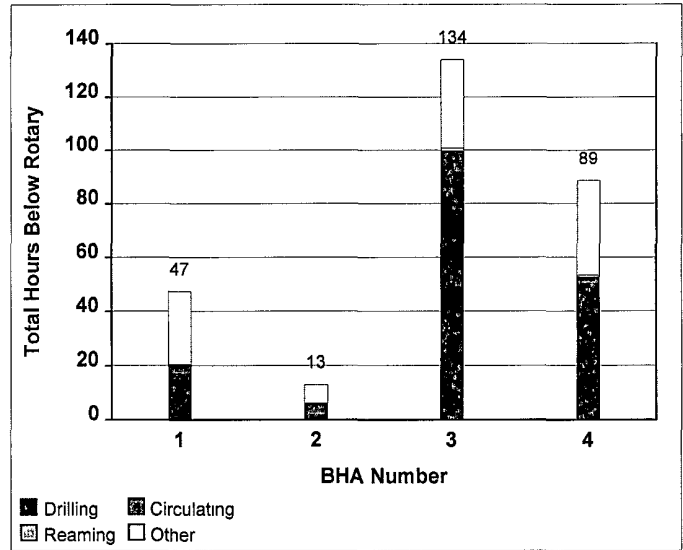
Bit #	Manufacturer	Style	OD (in)	Gge Len (in)	Nozzles (/32's)	TFA (in ²)	Dull Grades					Ftge (ft)	Drlg hrs	ROP (ft/hr)
							I	O	D	L	B			
1	HTC	STX30C	6.125		3x20	0.920						313	17.25	18
?	HTC	STX30C	6.125		3x20	0.920						29	2.00	15
3	HTC	HCM405Z	6.125		7x16	1.374						2301	95.75	24
4	SDDS	FMH3543ZZ	6.125		3x22, 2x12	1.335						1118	50.50	22

Table 3 - Bit Run Summary

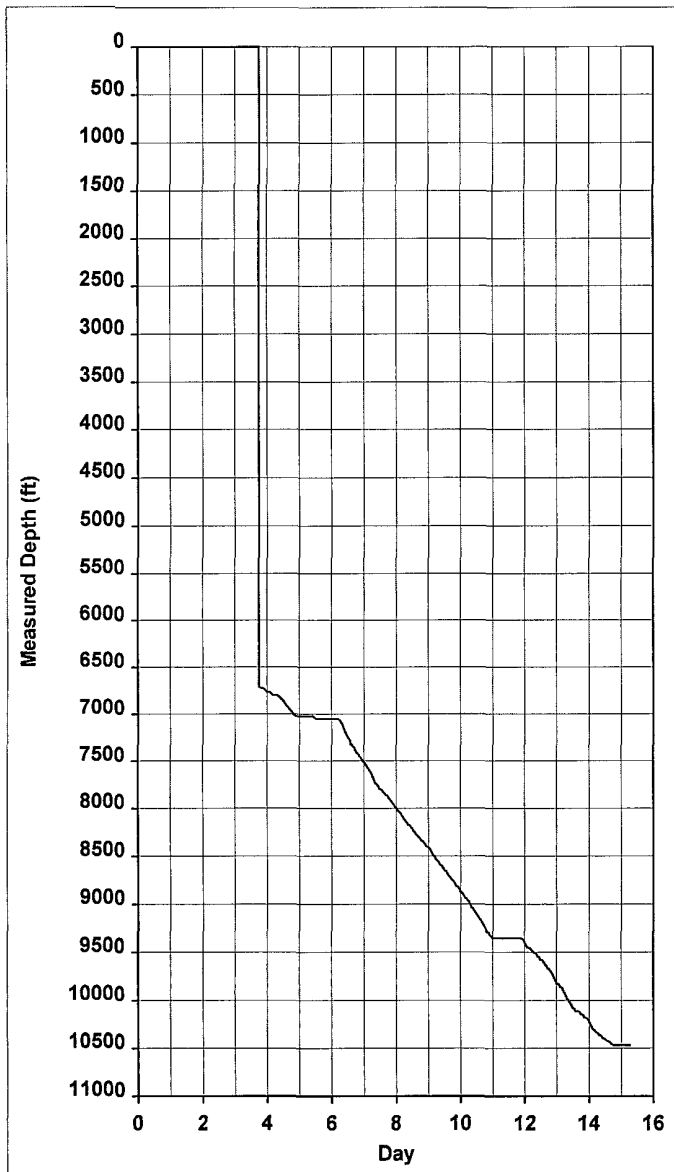
Hours by Operation Summary



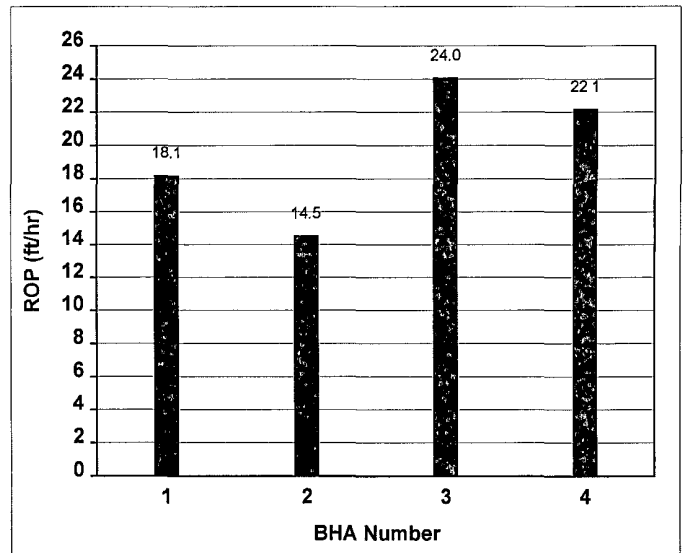
Hours per BHA Breakdown



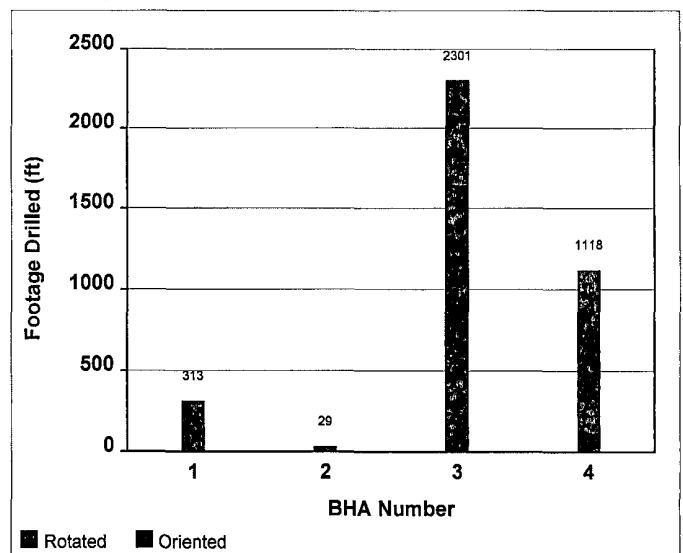
Days vs. Depth



Average Rate of Penetration per BHA



Footage per BHA



MD (ft)	Formation Name MD/TVD	Inclination		Bit Data	Drilling Parameters	Motor	BHA Stabilizers	Comments	BHA ID	
		—	DLS —							
6600		0	50	100	150					
6800						STX30C 3x20 /32's 0.30 ft/min 17.25 hrs	WOB 25 lbs RPM FLO 226 gpm SPP 2101 psi	4-3/4" SperryDrill 7/8 L 2.38° ABH	Motor Rev / Gal. 0.56 Bit to Survey 43.34'	#1 @ 6709
7000						STX30C 3x20 /32's 0.24 ft/min 2.00 hrs	WOB 25 lbs RPM FLO 226 gpm SPP 2100 psi	4-3/4" SperryDrill 7/8 L 2.89° ABH	Motor Rev / Gal. 0.56 Bit to Survey 43.49'	#2 @ 7022
7200						HCM405Z 7x16 /32's 0.40 ft/min 95.75 hrs	WOB 18 lbs RPM 30 FLO 226 gpm SPP 2174 psi	4-3/4" SperryDrill 7/8 L 1.50° ABH	Motor Rev / Gal. 0.56 Bit to Survey 43.49'	#3 @ 7051
7400										
7600										
7800										
8000										
8200										
8400										
8600										
8800										
9000										
9200										
9400										
9600						FMH3543ZZ 3x22, 2x12 /32's 0.37 ft/min 50.50 hrs	WOB 16 lbs RPM 30 FLO 228 gpm SPP 2183 psi	4-3/4" SperryDrill 7/8 L 1.50° ABH	Motor Rev / Gal. 0.56 Bit to Survey 43.49'	#4 @ 9352
9800										
10000										
10200										
10400										
10600		0	20	40	60					

Drilling Parameters

Drilling Parameters

Continuous Measurements										Periodic Measurements (@ Depth From)				
M Depth From (ft)	M Depth To (ft)	Drilling Mode	TFO (deg)	Rotary RPM	WOB (lbs)	Flow Rate (gpm)	SPP Off-Btm (psi)	SPP On-Btm (psi)	ROP (ft/hr)	Pick-up Weight (lbs)	Slack-off Weight (lbs)	Rotating OB Wt (lbs)	Drilling Torque (ft-lbs)	D Hole Temp (°F)
6709.00	6795.00	Oriented	270m		25	226	1900	2050	16	88000	80000	86000		
6795.00	6815.00	Oriented	0		25	226	1900	2200	22					
6815.00	6831.00	Oriented	-30		25	226	1900	2120	20					
6831.00	6942.00	Oriented	-20		25	226	1900	2120	25	95000	90000	90000		
6942.00	7098.00	Oriented	0		25	226	1900	2100	30					
7098.00	7162.00	Oriented	10		20	226	1900	2200	45					
7162.00	7193.00	Oriented	15		25	226	1920	2100	45					
7193.00	7225.00	Oriented	0		25	226	1920	2100	45					
7225.00	7257.00	Oriented	20		25	226	1920	2100	40					
7257.00	7320.00	Rotary		30	12	226	1920	2200	55					
7320.00	7335.00	Oriented	155		25	226	1920	2100	40					
7335.00	7352.00	Rotary		30	12	226	1920	2200	55					
7352.00	7367.00	Oriented	160		38	226	1920	2100	40					
7367.00	7384.00	Rotary		30	12	226	1920	2200	55					
7384.00	7399.00	Oriented	165		38	226	1920	2100	40					
7399.00	7415.00	Rotary		30	9	226	1920	2200	55					
7415.00	7435.00	Oriented	165		38	226	1920	2100	30					
7435.00	7447.00	Rotary		30	8	226	1920	2200	55					
7447.00	7467.00	Oriented	170		38	226	1920	2100	20					
7467.00	7479.00	Rotary		30	8	226	1920	2200	18					
7479.00	7499.00	Oriented	170		38	226	1920	2100	20					
7499.00	7510.00	Rotary		30	8	226	1920	2200	18					
7510.00	7530.00	Oriented	170		38	226	1920	2100	20					
7530.00	7542.00	Rotary		30	8	226	1920	2200	30					
7542.00	7562.00	Oriented	180		38	226	1920	2100	20					
7562.00	7573.00	Rotary		30	7	226	1920	2200	30					
7573.00	7593.00	Oriented	180		38	226	1920	2100	20					
7593.00	7605.00	Rotary		30	7	226	1920	2200	30					
7605.00	7625.00	Oriented	170		38	226	1920	2100	20					
7625.00	7700.00	Rotary		30	9	226	1920	2200	45					
7700.00	7715.00	Oriented	0		38	226	1920	2100	20					
7715.00	7732.00	Rotary		30	9	226	1920	2200	45					
7732.00	7747.00	Oriented	0		38	226	1920	2100	20					
7747.00	7796.00	Rotary		30	12	226	1920	2200	30					
7796.00	7806.00	Oriented	0		38	226	1920	2100	12					
7806.00	7827.00	Rotary		30	12	226	1920	2200	30	90000	82000	86000		
7827.00	7842.00	Oriented	5		38	226	1920	2100	15					
7842.00	7986.00	Rotary		30	12	226	1920	2200	30					
7986.00	7991.00	Oriented	45		38	226	1920	2100	15					
7991.00	8113.00	Rotary		30	12	226	1920	2200	30					
8113.00	8123.00	Oriented	175		38	226	1920	2100	22					
8123.00	8144.00	Rotary		30	12	226	1920	2200	30					
8144.00	8154.00	Oriented	155		38	226	1920	2100	15					
8154.00	8176.00	Rotary		30	12	226	1920	2200	30					
8176.00	8184.00	Oriented	175		38	226	1920	2100	15					
8184.00	8240.00	Rotary		30	12	226	1920	2200	30					
8240.00	8250.00	Oriented	180		38	226	1920	2100	15					
8250.00	8271.00	Rotary		30	12	226	1920	2200	30					
8271.00	8286.00	Oriented	180		38	226	1920	2100	8					
8286.00	8398.00	Rotary		30	12	226	1920	2200	30	96000	82000	88000		
8398.00	8408.00	Oriented	-140		38	226	1920	2100	8					
8408.00	8525.00	Rotary		30	12	226	1920	2200	30					
8525.00	8535.00	Oriented	-60		38	226	1920	2100	8					
8535.00	8589.00	Rotary		30	12	226	1920	2200	30					
8589.00	8599.00	Oriented	-130		38	226	1920	2100	8					
8599.00	8683.00	Rotary		30	12	226	1920	2200	30					
8683.00	8693.00	Oriented	-90		38	226	1920	2100	8					
8693.00	8746.00	Rotary		30	12	226	1920	2200	30					
8746.00	8810.00	Oriented	-90		38	226	1920	2100	8					
8810.00	8810.00	Oriented	-90		38	226	1920	2100	8					
8810.00	8820.00	Rotary		30	12	226	1920	2200	30					
8820.00	8873.00	Rotary		30	12	226	1920	2200	30					
8873.00	8888.00	Oriented	-157		38	226	1920	2100	8					

8898.00	8937.00	Rotary		30	12	226	1920	2200	30					
8937.00	8949.00	Oriented	-160		38	226	1920	2100	8					
8949.00	9032.00	Rotary		30	12	226	1920	2200	30					
9032.00	9042.00	Oriented	-175		38	226	1920	2100	8					
9042.00	9286.00	Rotary		30	15	226	1920	2200	30					
9286.00	9298.00	Oriented	-165		38	226	1920	2100	8					
9298.00	9349.00	Rotary		30	15	226	1920	2200	30					
9349.00	9360.00	Oriented	-168		38	226	1920	2100	8					
9360.00	9445.00	Rotary		30	17	226	1920	2200	40					
9445.00	9455.00	Oriented	180		38	226	1920	2100	8					
9455.00	9476.00	Rotary		30	15	226	1920	2200	25					
9476.00	9486.00	Oriented	180		50	226	1920	2100	8					
9486.00	9508.00	Rotary		30	10	226	1920	2200	40					
9508.00	9518.00	Oriented	180		45	226	1920	2100	8					
9518.00	9540.00	Rotary		30	10	226	1920	2200	48					
9540.00	9550.00	Oriented	180		45	226	1920	2100	8					
9550.00	9572.00	Rotary		30	10	226	1920	2200	35					
9572.00	9582.00	Oriented	180		50	226	1920	2100	8					
9582.00	9825.00	Rotary		30	8	226	1920	2200	48					
9825.00	9835.00	Oriented	164		50	226	1920	2100	8	115000	75000	96000		
9835.00	9857.00	Rotary		30	8	226	1920	2200	30					
9857.00	9869.00	Oriented	180		50	226	1920	2100	12					
9869.00	10079.00	Rotary		30	8	226	1920	2200	45					
10079.00	10084.00	Oriented	110		50	226	1920	2100	8					
10084.00	10110.00	Rotary		30	8	226	1920	2200	45					
10110.00	10120.00	Oriented	160		50	226	1920	2100	5					
10120.00	10142.00	Rotary		30	8	226	1920	2200	45					
10142.00	10152.00	Oriented	170		50	226	1920	2100	5					
10152.00	10174.00	Rotary		30	8	226	1920	2200	45					
10174.00	10190.00	Oriented	165		50	226	1920	2100	5					
10190.00	10300.00	Rotary		30	8	226	1920	2200	45					
10300.00	10310.00	Oriented	135		50	226	1920	2100	5					
10310.00	10332.00	Rotary		30	8	226	1920	2200	45					
10332.00	10350.00	Oriented	180		50	226	1920	2100	5					
10350.00	10364.00	Rotary		30	8	226	1920	2200	35					
10364.00	10379.00	Oriented	180		50	226	1920	2100	5					
10379.00	10396.00	Rotary		30	8	226	1920	2200	35					
10396.00	10413.00	Oriented	180		50	226	1920	2100	5					
10413.00	10427.00	Rotary		30	8	226	1920	2200	35					
10427.00	10441.00	Oriented	160		50	226	1920	2100	5					
10441.00	10470.00	Rotary		30	8	226	1920	2200	35					

BHA Performance Records

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DRILLING SERVICES

BHA Report

Operator : Cimarex
 Well Name : Drumstick "7" Federal Com. Side Track # 1
 Field : Drumstick
 Location : "7" Federal Com
 Rig : Patterson #623
 Job # : MO-MJ-0005617171

BHA# 1

BHA# 1 : Date In :3/4/2008 MD In (ft) : 6709 TVD In (ft) : 6708 Date Out 3/6/2008 MD Out (ft): 7022 TVD Out(ft): 6960

BIT DATA

Bit #	OD (in)	MFR	Style	Serial#	Nozzles (/32's)	TFA (in ²)	Dull Condition
1	6.125	HTC	STX30C	5126750	3x20	0.920	

MOTOR DATA

Run #	OD (in)	MFR	Model	Serial#	Bend	Nzl (/32's)	Avg Dif (psi)	Cum Circ Hrs
4.750		SSDS	SperryDrill	475016	2.38°		179	20.50

COMPONENT DATA

Item #	Description	Serial #	OD (in)	ID (in)	Gauge (in)	Weight (lbs/ft)	Top Con	Length (ft)	Bit - Center Blade (ft)
1	Roller Cone Steel	5126750	6.125	2.250		86.87	P 3-1/2" Reg	0.50	
2	4-3/4" SperryDrill Lobe 7/8 - 3.8 stg	475016	4.750	2.901		37.87	B 3-1/2" IF	23.36	
3	Float Sub	MO145	4.750	2.250		46.84	B 3-1/2" IF	3.34	
4	Cross Over Sub	000057	4.625	2.375		42.16	P 3-1/2" IF	0.95	
5	DGWD SlimHole	10950335	4.625	2.875		35.13	B 3-1/2" IF	31.49	
6	1x Non-Mag Drill collar	10708907	4.750	2.250		47.00	B 3-1/2" IF	29.31	
7	UBHO Sub	SCIENTIFIC	4.750	2.250		46.84	B 3-1/2" IF	2.68	
8	158x 157x 50 Stnds x 3.5 DP-S135(IF) - 13		3.500	2.764		13.77	B 3-1/2" IF	4754.99	
9	15x HWDP		3.500	2.063		25.30	B 3-1/2" IF	460.49	
								5307.11	

Parameter	Min	Max	Ave
WOB (lbs) :	25	25	25
RPM (rpm) :			
Flow (gpm) :	226	226	226
SPP (psi) :	2050	2200	2101

Activity	Hrs
Drilling :	17.25
Reaming :	0.00
Circ-Other :	3.25
Total :	20.50

BHA Weight (lb)
in Air (Total) : 80861
in Mud (Total) : 69399
in Air (Bel Jars) : 0
in Mud (Bel Jars) : 0

Drill String	OD(in)	Len(ft)

PERFORMANCE

	In	Out
Inclination (deg)	2.91	70.07
Azimuth (deg)	265.33	262.62

	Distance(ft)	ROP (ft/hr)	Build (°/100')	Turn (°/100')	DLS (°/100')
Oriented :	313.00	18			
Rotated :	0.00	0			
Total :	313.00	18	21.46	-0.87	21.46

COMMENTS

Motor Rev / Gal: 0.56
 Bit to Survey:43.34'

Operator : Cimarex
Well Name : Drumstick "7" Federal Com. Side Track # 1
Field : Drumstick
Location : "7" Federal Com
Rig : Patterson #623
Job # : MO-MJ-0005617171

BHA# 1

OBJECTIVES:

To kick off of whipstock and drill curve according to well plan and geologist's targets.

BHA Schematic

Cimarex
 Drumstick "7" Federal Com.
 BHA ID #: 1
 Curve Assembly #1

BHA Configuration

O.D.	Length	Description
6.125"	0.5'	Roller Cone Steel
4.75"	23.36'	4-3/4" SperryDrill Lobe 7/8 - 3.8 stg
4.75"	3.34'	Float Sub
4.625"	0.95'	Cross Over Sub
4.625"	31.49'	DGWD SlimHole
4.75"	29.31'	1x Non-Mag Drill collar
4.75"	2.68'	UBHO Sub
3.5"	4754.99'	158x 157x 50 Stnds x 3.5 DP-S135(IF) - 13.30#
3.5"	460.49'	15 x 15x HWDP

BHA Discussion

Motor Rev / Gal: 0.56
 Bit to Survey: 43.34'



Box 3-1/2" IF

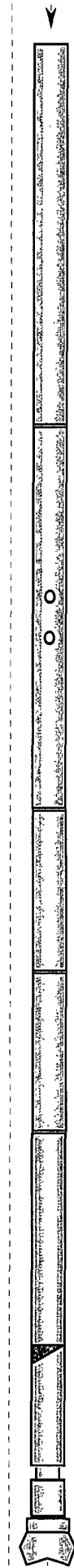
15 x 15x HWDP

Box 3-1/2" IF

158x 157x 50 Stnds x 3.5
 DP-S135(IF) - 13.30#

Box 3-1/2" IF

UBHO Sub



Box 3-1/2" IF

1x Non-Mag Drill collar

Box 3-1/2" IF

DGWD SlimHole

Pin 3-1/2" IF

Cross Over Sub

Box 3-1/2" IF

Float Sub

Box 3-1/2" IF

4-3/4" SperryDrill Lobe
 7/8 - 3.8 stg

Pin 3-1/2" Reg
 Roller Cone Steel

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DRILLING SERVICES

BHA Report

Operator : Cimarex
 Well Name : Drumstick "7" Federal Com. Side Track # 1
 Field : Drumstick
 Location : "7" Federal Com
 Rig : Patterson #623
 Job # : MO-MJ-0005617171

BHA# 2

BHA# 2 : Date In :3/6/2008 MD In (ft) : 7022 TVD In (ft) : 6960 Date Out 3/6/2008 MD Out (ft): 7051 TVD Out (ft): 6968

BIT DATA							
Bit #	OD (in)	MFR	Style	Serial#	Nozzles (/32's)	TFA (in ²)	Dull Condition
6.125	HTC	STX30C	5126751	3x20	0.920		

MOTOR DATA								
Run #	OD (in)	MFR	Model	Serial#	Bend	Nzl (/32's)	Avg Dif (psi)	Cum Circ Hrs
4.750	SSDS	SperryDrill	475567	2.89°	200	6.00		

COMPONENT DATA										
Item #	Description	Serial #	OD (in)	ID (in)	Gauge (in)	Weight (lbs/ft)	Top Con	Length (ft)	Bit - Center Blade (ft)	
1	Roller Cone Steel	5126751	6.125	2.250		86.87	P 3-1/2" Reg	0.50		
2	4-3/4" SperryDrill Lobe 7/8 - 3.8 stg	475567	4.750	2.901		37.87	B 3-1/2" IF	23.51		
3	Float Sub	MO145	4.750	2.250		46.84	B 3-1/2" IF	3.34		
4	Cross Over Sub	000057	4.625	2.375		42.16	P 3-1/2" IF	0.95		
5	DGWD SlimHole	10950335	4.625	2.875		35.13	B 3-1/2" IF	31.49		
6	1x Non-Mag Drill collar	10708907	4.750	2.250		47.00	B 3-1/2" IF	29.31		
7	158x 157x 50 Stnds x 3.5 DP-S135(IF) - 13		3.500	2.764		13.77	B 3-1/2" IF	4754.99		
8	15x HWDP		3.500	2.063		25.30	B 3-1/2" IF	460.49		
								5304.58		

Parameter	Min	Max	Ave	Activity	Hrs	BHA Weight (lb)	Drill String	OD(in)	Len(ft)
WOB (lbs) :	25	25	25	Drilling :	2.00	in Air (Total) : 80741			
RPM (rpm) :				Reaming :	0.00	in Mud (Total) : 69296			
Flow (gpm) :	226	226	226	Circ-Other :	4.00	in Air (Bel Jars) : 0			
SPP (psi) :	2100	2100	2100	Total :	6.00	in Mud (Bel Jars) : 0			

PERFORMANCE			Distance(ft)	ROP (ft/hr)	Build (°/100')	Turn (°/100')	DLS (°/100')
Inclination (deg)	In	Out	Oriented :	29.00	15		
Azimuth (deg)	70.07	77.93	Rotated :	0.00	0		
	262.62	261.40	Total :	29.00	15	27.10	-4.21
							27.40

COMMENTS
 Motor Rev / Gal: 0.56
 Bit to Survey:43.49'

Operator : Cimarex
Well Name : Drumstick "7" Federal Com. Side Track # 1
Field : Drumstick
Location : "7" Federal Com
Rig : Patterson #623
Job # : MO-MJ-0005617171

BHA# 2

OBJECTIVES:

To land curve according to well plan and geologist's target.

BHA Schematic

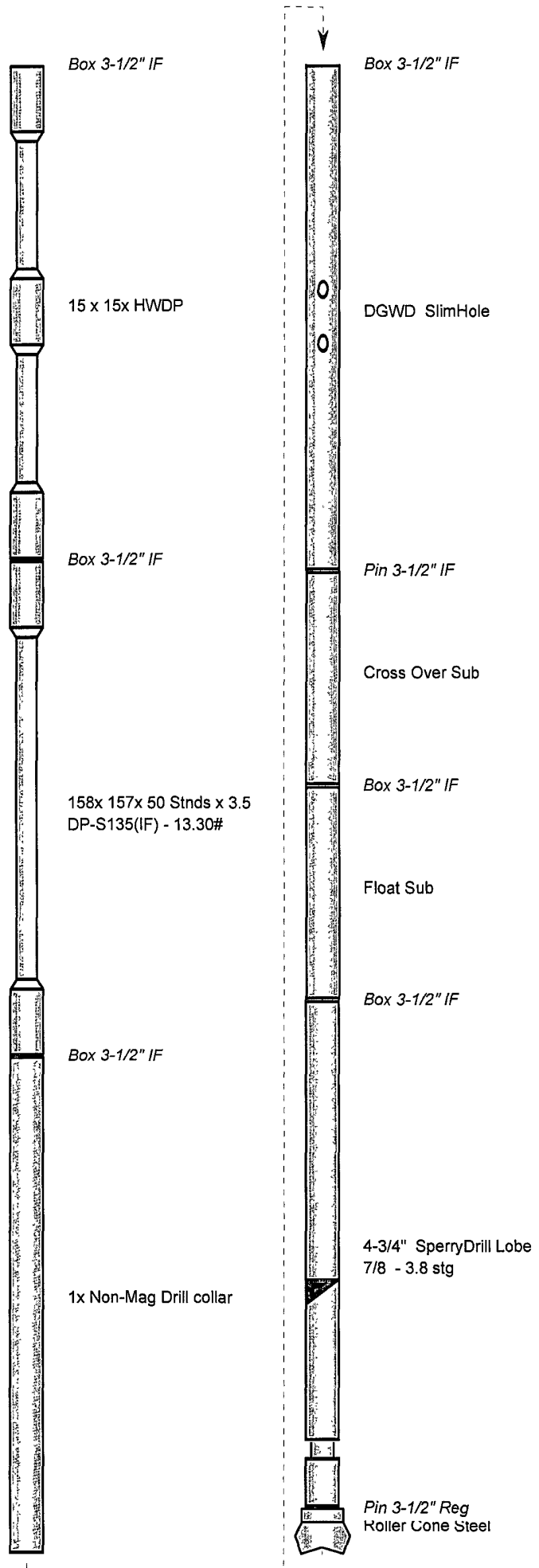
Cimarex
 Drumstick "7" Federal Com.
 BHA ID #: 2
 Curve Assembly #2

BHA Configuration

O.D.	Length	Description
6.125"	0.5'	Roller Cone Steel
4.75"	23.51'	4-3/4" SperryDrill Lobe 7/8 - 3.8 stg
4.75"	3.34'	Float Sub
4.625"	0.95'	Cross Over Sub
4.625"	31.49'	DGWD SlimHole
4.75"	29.31'	1x Non-Mag Drill collar
3.5"	4754.99'	158x 157x 50 Stnds x 3.5 DP-S135(IF) - 13.30#
3.5"	460.49'	15 x 15x HWDP

BHA Discussion

Motor Rev / Gal: 0.56
 Bit to Survey: 43.49'



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DRILLING SERVICES

BHA Report

Operator : Cimarex
 Well Name : Drumstick "7" Federal Com. Side Track # 1
 Field : Drumstick
 Location : "7" Federal Com
 Rig : Patterson #623
 Job # : MO-MJ-0005617171

BHA# 3

BHA# 3 : Date In :3/6/2008 MD In (ft) : 7051 TVD In (ft) : 6968 Date Out 3/12/2008 MD Out (ft): 9352 TVD Out(ft): 6908

BIT DATA

Bit #	OD (in)	MFR	Style	Serial#	Nozzles (/32's)	TFA (in ²)	Dull Condition
3	6.125	HTC	HCM405Z	7012690	7x16	1.374	

MOTOR DATA

Run #	OD (in)	MFR	Model	Serial#	Bend	Nzl (/32's)	Avg Dif (psi)	Cum Circ Hrs
4.750		SSDS	SperryDrill	475567	1.50°		255	106.75

COMPONENT DATA

Item #	Description	Serial #	OD (in)	ID (in)	Gauge (in)	Weight (lbs/ft)	Top Con	Length (ft)	Bit - Center Blade (ft)
1	PDC	7012690	6.125	2.250		86.87	P 3-1/2" Reg	1.00	
2	4-3/4" SperryDrill Lobe 7/8 - 3.8 stg	475567	4.750	2.901		37.87	B 3-1/2" IF	23.51	
3	Float Sub	MO145	4.750	2.250		46.84	B 3-1/2" IF	3.34	
4	Cross Over Sub	000057	4.625	2.375		42.16	P 3-1/2" IF	0.95	
5	DGWD SlimHole	10950335	4.625	2.875		35.13	B 3-1/2" IF	31.49	
6	1x Non-Mag Drill collar	10708907	4.750	2.250		47.00	B 3-1/2" IF	29.31	
7	158x 157x 50 Stnds x 3.5 DP-S135(IF) - 13		3.500	2.764		13.77	B 3-1/2" IF	4754.99	
8	15x HWDP		3.500	2.063		25.30	B 3-1/2" IF	460.49	
								5305.08	

Parameter	Min	Max	Ave
WOB (lbs) :	7	38	18
RPM (rpm) :	30	30	30
Flow (gpm) :	226	226	226
SPP (psi) :	2100	2200	2174

Activity	Hrs
Drilling :	95.75
Reaming :	1.25
Circ-Other :	3.75
Total :	100.75

BHA Weight (lb)
in Air (Total) : 80784
in Mud (Total) : 69087
in Air (Bel Jars) : 0
in Mud (Bel Jars) : 0

Drill String	OD(in)	Len(ft)

PERFORMANCE

	In	Out
Inclination (deg)	77.93	91.55
Azimuth (deg)	261.40	268.64

	Distance(ft)	ROP (ft/hr)	Build (°/100')	Turn (°/100')	DLS (°/100')
Oriented :	660.00	20			
Rotated :	1641.00	26			
Total :	2301.00	24	0.59	0.31	0.67

COMMENTS

Motor Rev / Gal: 0.56
 Bit to Survey:43.49'

BHA Schematic

Cimarex

Drumstick "7" Federal Com.

BHA ID #: 3

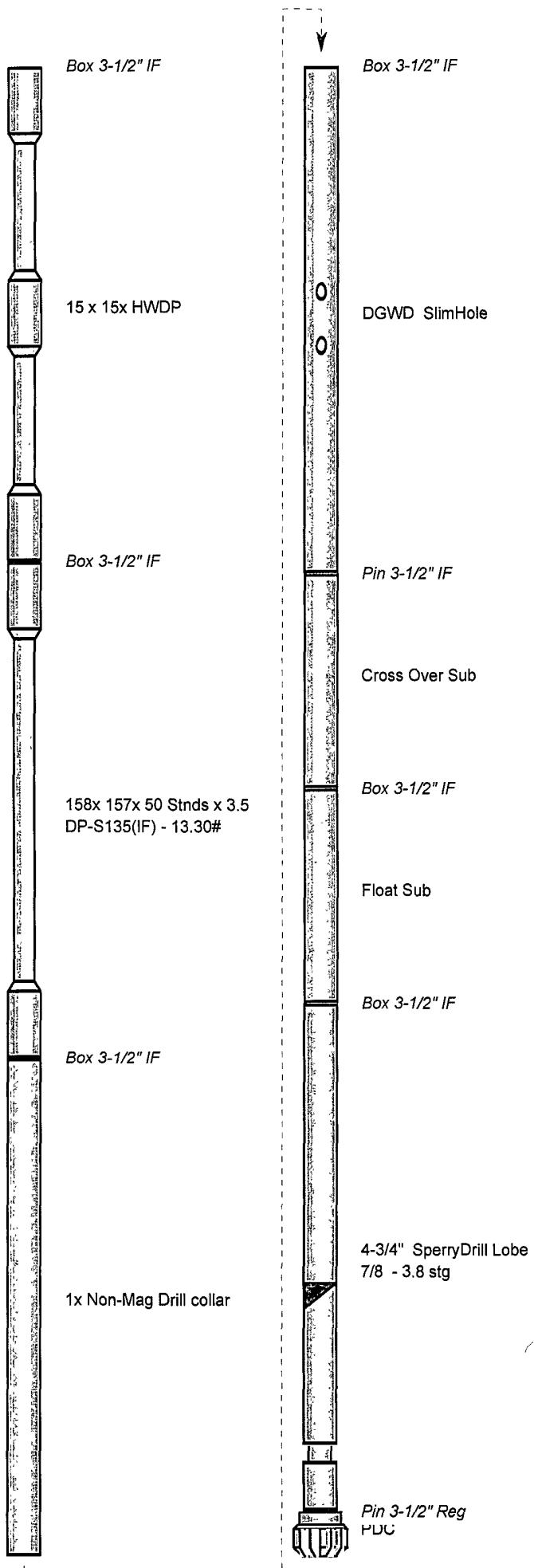
Lateral Assembly #1

BHA Configuration

O.D.	Length	Description
6.125"	1'	PDC
4.75"	23.51'	4-3/4" SperryDrill Lobe 7/8 - 3.8 stg
4.75"	3.34'	Float Sub
4.625"	0.95'	Cross Over Sub
4.625"	31.49'	DGWD SlimHole
4.75"	29.31'	1x Non-Mag Drill collar
3.5"	4754.99'	158x 157x 50 Stnds x 3.5 DP-S135(IF) - 13.30#
3.5"	460.49'	15 x 15x HWDP

BHA Discussion

Motor Rev / Gal: 0.56
 Bit to Survey: 43.49'



sperry-sun

DRILLING SERVICES

BHA Report

Operator : Cimarex
 Well Name : Drumstick "7" Federal Com. Side Track # 1
 Field : Drumstick
 Location : "7" Federal Com
 Rig : Patterson #623
 Job # : MO-MJ-0005617171

BHA# 4

BHA# 4 : Date In :3/12/2008 MD In (ft) : 9352 TVD In (ft) : 6908 Date Cur:3/16/2008 MD Cur (ft): 10470 TVD Cur (ft): 6891

BIT DATA

Bit #	OD (in)	MFR	Style	Serial#	Nozzles (/32's)	TFA (in ²)	Dull Condition
4	6.125	SDDS	FMH3543ZZ	10829368RW	3x22, 2x12	1.335	

MOTOR DATA

Run #	OD (in)	MFR	Model	Serial#	Bend	Nzl (/32's)	Avg Dif (psi)	Cum Circ Hrs
4.750		SDDS	SperryDrill	475705	1.50°		263	53.25

COMPONENT DATA

Item #	Description	Serial #	OD (in)	ID (in)	Gauge (in)	Weight (lbs/ft)	Top Con	Length (ft)	Bit - Center Blade (ft)
1	PDC	10829368RW	6.125	2.250		86.87	P 3-1/2" Reg	1.00	
2	4-3/4" SperryDrill Lobe 7/8 - 3.8 stg	475705	4.750	2.901		37.87	B 3-1/2" IF	23.53	
3	Float Sub	MO145	4.750	2.250		46.84	B 3-1/2" IF	3.34	
4	Cross Over Sub	000057	4.625	2.375		42.16	P 3-1/2" IF	0.95	
5	DGWD SlimHole	10950335	4.625	2.875		35.13	B 3-1/2" IF	31.49	
6	1x Non-Mag Drill collar	10708907	4.750	2.250		47.00	B 3-1/2" IF	29.31	
7	158x 157x 50 Stnds x 3.5 DP-S135(IF) - 13		3.500	2.764		13.77	B 3-1/2" IF	4754.99	
8	15x HWDP		3.500	2.063		25.30	B 3-1/2" IF	460.49	
								5305.10	

Parameter	Min	Max	Ave
WOB (lbs) :	8	50	16
RPM (rpm) :	30	30	30
Flow (gpm) :	226	226	226
SPP (psi) :	2100	2200	2183

Activity	Hrs
Drilling :	50.50
Reaming :	0.75
Circ-Other :	2.00
Total :	53.25

BHA Weight (lb)
in Air (Total) : 80785
in Mud (Total) : 69087
in Air (Bel Jars) : 0
in Mud (Bel Jars) : 0

Drill String	OD(in)	Len(ft)

PERFORMANCE

	In	Out
Inclination (deg)	91.55	89.63
Azimuth (deg)	268.64	270.67

	Distance(ft)	ROP (ft/hr)	Build (°/100')	Turn (°/100')	DLS (°/100')
Oriented :	195.00	4			
Rotated :	923.00	26			
Total :	1118.00	22	-0.17	0.18	0.25

COMMENTS

Motor Rev / Gal: 0.56
 Bit to Survey:43.49'

BHA Schematic

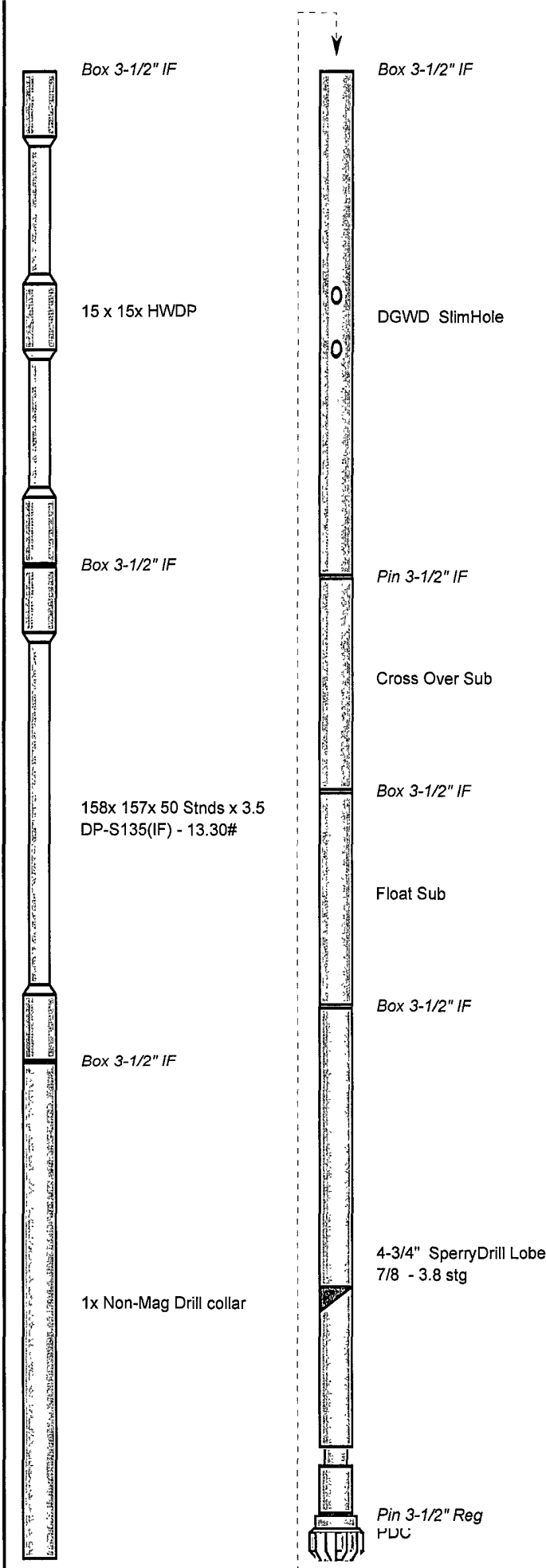
Cimarex
 Drumstick "7" Federal Com.
 BHA ID #: 4
 Lateral Assembly #2

BHA Configuration

O.D.	Length	Description
6.125"	1'	PDC
4.75"	23.53'	4-3/4" SperryDrill Lobe 7/8 - 3.8 stg
4.75"	3.34'	Float Sub
4.625"	0.95'	Cross Over Sub
4.625"	31.49'	DGWD SlimHole
4.75"	29.31'	1x Non-Mag Drill collar
3.5"	4754.99'	158x 157x 50 Stnds x 3.5 DP-S135(IF) - 13.30#
3.5"	460.49'	15 x 15x HWDP

BHA Discussion

Motor Rev / Gal: 0.56
 Bit to Survey: 43.49'



Daily Drilling Activity Reports

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DRILLING SERVICES

Daily Drilling Report

Operator : Cimarex
 Well Name : Drumstick "7" Federal Com.
 Field : Drumstick
 Location : "7" Federal Com
 Rig : Patterson #623
 Job # : MO-MJ-0005617171

CURRENT STATUS Report # 2 3/2/2008

Total Depth (ft) :	0	Casing Depth (ft) :		Operator Reps :	Johnny Henderson, Guy L. Embry
Drilled last 24 hrs (ft) :	0	Casing Diameter (in) :		SSDS Reps :	Bernardo Flores (2), Travis Elliot (2)
Hole Size (in) :		Casing ID (in) :			

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
6709.00	2.91	265.33	6708.50	36.58	N62.69E

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)

BHA SUMMARY

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lbf/100ft ²)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)
					/					

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
00:00	00:00	24.00	0.00		Stand By. pu 3 1/5" DP

COMMENTS

Plug Set @ 6714'

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DRILLING SERVICES

Daily Drilling Report

Operator : Cimarex
 Well Name : Drumstick "7" Federal Com. Side Track # 1
 Field : Drumstick
 Location : "7" Federal Com
 Rig : Patterson #623
 Job # : MO-MJ-0005617171

CURRENT STATUS Report # 4 3/4/2008

Total Depth (ft) :	6763	Casing Depth (ft) :		Operator Reps :	Johnny Henderson
Drilled last 24 hrs (ft) :	54	Casing Diameter (in) :		SSDS Reps :	Bernardo Flores (4), Travis Elliot (4)
Hole Size (in) :	6.125	Casing ID (in) :			

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
6748.00	6.76	321.42	6747.37	35.31	N58.41E

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)

BHA SUMMARY

BHA 1: 5307.11 ft; Bit #1 (4.5 hrs), PDM # (5.5 hrs), Sub, Sub, MWD, 1x DC, Sub, DP (E), 15x HWDP

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lbf/100ft ²)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)
Native	9.5	28	1	4.0	1.0 / 1.0	0	9.5	0.80	0.00	0.00

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
00:00	00:30	0.50	0.00		Laying down mill.
00:30	04:30	4.00	0.00		P/U BHA #1
04:30	09:30	5.00	0.00	1	Trip In
09:30	10:30	1.00	0.00	1	Rig Up Circ. Sub & Run Wireline . Wire line Got Quinked On Blocks. Gyro tool not Working.
10:30	17:00	6.50	0.00	1	W. O. Tools
17:00	18:00	1.00	0.00	1	Fill Up & Run Gyro.
18:00	18:00	0.00	6709.00	1	Side Track # 1
18:00	19:30	1.50	6720.00	1	Slide f/ 6709' to 6720' @ 270 Gyro TF.
19:30	21:00	1.50	6720.00	1	Trouble Shoot Gyro.
21:00	00:00	3.00	6763.00	1	Slide f/ 6720 to 6763' @ 270 Gyro TF.

COMMENTS

Daily cost:\$14200.00 Total Cost: \$36200.00

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DRILLING SERVICES

Daily Drilling Report

Operator : Cimarex
 Well Name : Drumstick "7" Federal Com. Side Track # 1
 Field : Drumstick
 Location : "7" Federal Com
 Rig : Patterson #623
 Job # : MO-MJ-0005617171

CURRENT STATUS Report # 5 3/5/2008

Total Depth (ft) :	7022	Casing Depth (ft) :		Operator Reps :	Johnny Henderson
Drilled last 24 hrs (ft) :	259	Casing Diameter (in) :		SSDS Reps :	Bernardo Flores (5), Travis Elliot (5)
Hole Size (in) :	6.125	Casing ID (in) :			

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
7020.00	69.53	262.71	6959.21	117.44	N78.02W

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)

BHA SUMMARY

BHA 1: 5307.11 ft; Bit #1 (17.25 hrs), PDM # (20.5 hrs), Sub, Sub, MWD, 1x DC, Sub, DP (E), 15x HWDP

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lb/100ft ²)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)
Native	9.3	28	1	1.0	1.0 / 1.0	19	9.5	0.80	0.00	0.00

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
00:00	01:45	1.75	6763.00	1	Conn / Change out rubber on pack off.
01:45	04:15	2.50	6795.00	1	Slide f/ 6763' to 6795' @ 270 Gyro Tf.
04:15	04:30	0.25	6795.00	1	Survey @ 6748' 6.76 Inc 321.42 Azm
04:30	06:00	1.50	6795.00	1	Conn / Rig down Gyro equipment
06:00	07:30	1.50	6795.00	1	Rig Repair
07:30	09:00	1.50	6815.00	1	Slide f/ 6795' to 6815' @ HS GTF.
09:00	09:15	0.25	6815.00	1	C/S @ 6768' 8.67 Inc. 299.97 Az.
09:15	10:00	0.75	6831.00	1	Slide f/ 6815' to 6831' @ 30L GTF.
10:00	10:15	0.25	6831.00	1	Survey @ 6784' 12.08 Inc. 289.03 Az.
10:15	11:00	0.75	6846.00	1	Slide f/ 6831' to 6846' @ 20L GTF.
11:00	11:15	0.25	6846.00	1	C/S @ 6799' 14.89 Inc. 283.13 Az.
11:15	12:00	0.75	6862.00	1	Slide f/ 6846' to 6862' @ 20L GTF.
12:00	12:15	0.25	6862.00	1	Survey @ 6815' 17.54 Inc. 282.59 Az.
12:15	12:45	0.50	6878.00	1	Slide f/ 6862' to 6878' @ 20L GTF.
12:45	13:00	0.25	6878.00	1	C/S @ 6831' 21.36 Inc. 288.09 Az.
13:00	13:30	0.50	6894.00	1	Slide f/ 6878' to 6894' @ 20L GTF.
13:30	13:45	0.25	6894.00	1	Survey @ 6847' 25.83 Inc. 286.79 Az.
13:45	14:15	0.50	6910.00	1	Slide f/ 6894' to 6910' @ 20L GTF/
14:15	14:30	0.25	6910.00	1	C/S @ 6863' 29.84 Inc. 284.97 Azm.
14:30	15:15	0.75	6926.00	1	Slide f/ 6910' to 6926' @ 20L GTF.
15:15	15:30	0.25	6926.00	1	Survey @ 6879' 33.28 Inc. 280.69 Azm.
15:30	16:15	0.75	6942.00	1	Slide f/ 6926' to 6942' @ 20L GTF.
16:15	16:30	0.25	6942.00	1	C/S @ 6895' 37.00 Inc. 276.18 Azm.

COMMENTS

Daily cost:\$11000.00 Total Cost: \$47200.00

CURRENT STATUS Report # 5 3/5/2008

Total Depth (ft) : 7022	Casing Depth (ft) :	Operator Reps : Johnny Henderson
Drilled last 24 hrs (ft) : 259	Casing Diameter (in) :	SSDS Reps : Bernardo Flores (5), Travis Elliot (5)
Hole Size (in) : 6.125	Casing ID (in) :	

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
7020.00	69.53	262.71	6959.21	117.44	N78.02W

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)

BHA SUMMARY

BHA 1: 5307.11 ft; Bit #1 (17.25 hrs), PDM # (20.5 hrs), Sub, Sub, MWD, 1x DC, Sub, DP (E), 15x HWDP

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lb/100ft ²)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)
Native	9.3	28	1	1.0	1.0 / 1.0	19	9.5	0.80	0.00	0.00

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
16:30	17:15	0.75	6958.00	1	Slide f/ 6942' to 6958' @ 0 GTF.
17:15	17:30	0.25	6958.00	1	Survey @ 6911' 40.30 Inc. 271.35 Azm.
17:30	18:15	0.75	6974.00	1	Slide f// 6958' to 6974' @ 0 GTF.
18:15	18:30	0.25	6974.00	1	C/S @ 6927' 44.03 Inc. 268.03 Azm.
18:30	19:00	0.50	6990.00	1	Slide f/ 6974' to 6990' @ 0 GTF.
19:00	19:15	0.25	6990.00	1	Survey @ 6943' 48.13 Inc. 265.62 Azm.
19:15	19:45	0.50	7006.00	1	Slide f / 6990' to 7006' @ 0 GTF.
19:45	20:00	0.25	7006.00	1	C/S @ 6959' 51.75 Inc. 264.68 Azm.
20:00	21:00	1.00	7022.00	1	Slide f/ 7006' to 7022' @ 0 GTF.
21:00	21:15	0.25	7022.00	1	Survey @ 6975' 55.48 Inc. 260.50 Azm.
21:15	23:30	2.25	7022.00	1	Circulate
23:30	00:00	0.50	7022.00	1	Trip Out

COMMENTS

Daily cost:\$11000.00 Total Cost: \$47200.00

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DRILLING SERVICES

Daily Drilling Report

Operator : Cimarex
 Well Name : Drumstick "7" Federal Com. Side Track # 1
 Field : Drumstick
 Location : "7" Federal Com
 Rig : Patterson #623
 Job # : MO-MJ-0005617171

CURRENT STATUS Report # 6 3/6/2008

Total Depth (ft) :	7051	Casing Depth (ft) :		Operator Reps :	Johnny Henderson
Drilled last 24 hrs (ft) :	29	Casing Diameter (in) :		SSDS Reps :	Bernardo Flores (6), Travis Elliot (6)
Hole Size (in) :	6.125	Casing ID (in) :			

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
7051.00	77.93	261.40	6967.89	145.74	N82.01W

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)

BHA SUMMARY

BHA 1: 5307.11 ft; Bit #1 (17.25 hrs), PDM # (20.5 hrs), Sub, Sub, MWD, 1x DC, Sub, DP (E), 15x HWDP
 BHA 2: 5304.58 ft; Bit # (2. hrs), PDM # (6. hrs), Sub, Sub, MWD, 1x DC, DP (E), 15x HWDP
 BHA 3: 5305.08 ft; Bit #3 (0.25 hrs), PDM # (6.25 hrs), Sub, Sub, MWD, 1x DC, DP (E), 15x HWDP

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lbf/100ft ²)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)
Native	9.3	28	1	1.0	1.0 / 1.0	19	9.5	0.80	0.00	0.00

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
00:00	03:45	3.75	7022.00	1	Trip Out (at Surface)
03:45	06:00	2.25	7022.00		Change Bit & Motor, Scrive And Test MWD.
06:00	09:30	3.50	7022.00	2	Trip In
09:30	10:00	0.50	7022.00	2	Fill Up & WTB 62'
10:00	10:45	0.75	7035.00	2	Slide f/ 7022' to 7035' @ HS GTF.
10:45	11:00	0.25	7035.00	2	C/S @ 6988' 59.72 Inc. 264.23 Az.
11:00	12:15	1.25	7051.00	2	Slide f/ 7035' to 7051' @ HS GTF.
12:15	12:30	0.25	7051.00	2	Survey @7004' 65.02 Inc. 263.64 Az.
12:30	16:00	3.50	7051.00	2	Pump sweeps, CBU
16:00	19:00	3.00	7051.00	2	Trip Out (at Surface)
19:00	21:00	2.00	7051.00	2	PU/LD BHA
21:00	00:00	3.00	7051.00	3	Trip In

COMMENTS

Daily cost:\$11750.00 Total Cost: \$58950.00



Daily Drilling Report

Operator : Cimarex
Well Name : Drumstick "7" Federal Com. Side Track # 1
Field : Drumstick
Location : "7" Federal Com
Rig : Patterson #623
Job # : MO-MJ-0005617171

CURRENT STATUS Report # 7 3/7/2008

Total Depth (ft) : 7510	Casing Depth (ft) :	Operator Reps : Johnny Henderson
Drilled last 24 hrs (ft) : 459	Casing Diameter (in) :	SSDS Reps : Bernardo Flores (7), Travis Elliot (7)
Hole Size (in) : 6.125	Casing ID (in) :	

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
7495.00	93.07	269.89	6933.52	582.65	S89.01W

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)

BHA SUMMARY

BHA 3: 5305.08 ft; Bit #3 (16.25 hrs), PDM # (22.75 hrs), Sub, Sub, MWD, 1x DC, DP (E), 15x HWDP

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lb/100ft ²)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)
Native	9.5	28	1	4.0	1.0 / 1.0	0	9.5	0.80	0.00	0.00

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
00:00	01:00	1.00	7051.00	3	Trip In
01:00	01:15	0.25	7051.00	3	Lay down 3 Jts
01:15	02:45	1.50	7051.00	3	Trip Out 30 Stds for pipe screen
02:45	03:30	0.75	7051.00	3	Trip In
03:30	04:30	1.00	7051.00	3	Washing 3 Jts to bottom
04:30	06:00	1.50	7067.00	3	Slide f/ 7051' to 7067' @ 0 GTF.
06:00	06:15	0.25	7067.00	3	C/S @ 7020' 69.53 Inc. 262.71 Az.
06:15	07:30	1.25	7098.00	3	Slide f/7067' to 7098' @ 0 GTF.
07:30	07:45	0.25	7098.00	3	C/S @ 7051' 77.93 Inc. 261.40 Az.
07:45	08:15	0.50	7130.00	3	Slide f/ 7098' to 7130' @ 10 R GTF.
08:15	08:30	0.25	7130.00	3	C/S @ 7083' 81.93 Inc. 261.64 Az.
08:30	09:15	0.75	7162.00	3	Slide f/ 7130' to 7162' @ 10R GTF.
09:15	09:30	0.25	7162.00	3	C/S @ 7115' 85.52 Inc. 262.11 Az.
09:30	10:00	0.50	7193.00	3	Slide f/ 7162' to 7193' @ 15R GTF.
10:00	10:15	0.25	7193.00	3	C/S @ 7146' 88.57 Inc. 263.15 Az.
10:15	11:00	0.75	7225.00	3	Slide f/ 7193' to 7225' @ HS GTF.
11:00	11:15	0.25	7225.00	3	C/S @ 7178' 92.24 Inc. 264.18 Az.
11:15	12:15	1.00	7257.00	3	Slide f/ 7225' to 7257' @ 20R GTF.
12:15	12:45	0.50	7257.00	3	C/S @ 7210' 95.65 Inc. 265.92 Az.
12:45	13:30	0.75	7288.00	3	Rotate f/ 7257' to 7288'
13:30	13:45	0.25	7288.00	3	C/S @ 7241' 99.50 Inc. 266.53 Az.
13:45	14:00	0.25	7320.00	3	0vs TVD Change to 6977' With a 1.8° up dip. Rotate f/ 7288' to 7320'

COMMENTS

Daily cost:\$11050.00 Total Cost: \$70000.00

0vs TVD = 6972' With a 3.8 Up Dip.
 0vs TVD = 6977' With a 1.8 Up Dip.

CURRENT STATUS Report # 7 3/7/2008

Total Depth (ft) : 7510	Casing Depth (ft) :	Operator Reps : Johnny Henderson
Drilled last 24 hrs (ft) : 459	Casing Diameter (in) :	SSDS Reps : Bernardo Flores (7), Travis Elliot (7)
Hole Size (in) : 6.125	Casing ID (in) :	

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
7495.00	93.07	269.89	6933.52	582.65	S89.01W

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)

BHA SUMMARY

BHA 3: 5305.08 ft; Bit #3 (16.25 hrs), PDM # (22.75 hrs), Sub, Sub, MWD, 1x DC, DP (E), 15x HWDP

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lb/100ft ²)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)
Native	9.5	28	1	4.0	1.0 / 1.0	0	9.5	0.80	0.00	0.00

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
14:00	14:15	0.25	7320.00	3	C/S @ 7273' 100.82 Inc. 266.67 Az.
14:15	14:45	0.50	7320.00	3	Trouble shoot MWD.
14:45	15:30	0.75	7335.00	3	Slide f/ 7320' to 7335' @ 155R GTF.
15:30	16:30	1.00	7352.00	3	Rotate f/ 7335' to 7352'
16:30	16:45	0.25	7352.00	3	C/S @ 7305' 101.46 Inc. 266.40 Azm
16:45	17:30	0.75	7367.00	3	Slide f/ 7352' to 7367' @ 160R GTF
17:30	17:45	0.25	7384.00	3	Rotate f/ 7367' to 7384' WOB=15K RPM=32
17:45	18:00	0.25	7384.00	3	C/S @ 7337' 100.88 Inc. 267.12 Azm.
18:00	18:30	0.50	7399.00	3	Slide f/ 7384' to 7399' @ 165R GTF.
18:30	19:00	0.50	7415.00	3	Rotate f/ 7399' to 7415' WOB=12K RPM=32
19:00	19:15	0.25	7415.00	3	C/S @ 7368' 99.68 Inc. 268.58 Azm.
19:15	20:30	1.25	7435.00	3	Slide f/ 7415' to 7435' @ 165R GTF.
20:30	20:45	0.25	7447.00	3	Rotate f/ 7435' to 7447' WOB=9K RPM=32
20:45	21:00	0.25	7447.00	3	C/S @ 7400' 98.48 Inc. 269.10 Azm.
21:00	22:00	1.00	7467.00	3	Slide f/ 7447' to 7467' @ 180 GTF.
22:00	22:15	0.25	7479.00	3	Rotate f/ 7467' to 7479' WOB=7K RPM=32
22:15	22:30	0.25	7479.00	3	C/S @ 7432' 97.43 Inc. 269.12 Azm.
22:30	23:30	1.00	7499.00	3	Slide f/ 7479' to 7499' @ 170R GTF.
23:30	23:45	0.25	7510.00	3	Rotate f/ 7499' to 7510' WOB=9K RPM=32
23:45	00:00	0.25	7510.00	3	C/S @ 7463' 94.82 Inc. 267.86 Azm.

COMMENTS

Daily cost:\$11050.00 Total Cost: \$70000.00

Ovs TVD = 6972' With a 3.8 Up Dip.

Ovs TVD = 6977' With a 1.8 Up Dip.

sperry-sun

DRILLING SERVICES

Daily Drilling Report

Operator : Cimarex
 Well Name : Drumstick "7" Federal Com. Side Track # 1
 Field : Drumstick
 Location : "7" Federal Com
 Rig : Patterson #623
 Job # : MO-MJ-0005617171

CURRENT STATUS Report # 8 3/8/2008

Total Depth (ft) : 7991	Casing Depth (ft) :	Operator Reps : Johnny Henderson
Drilled last 24 hrs (ft) : 481	Casing Diameter (in) :	SSDS Reps : Bernardo Flores (8), Travis Elliot (8)
Hole Size (in) : 6.125	Casing ID (in) :	

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
7970.00	92.23	270.87	6945.22	1056.82	S89.90W

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)

BHA SUMMARY

BHA 3: 5305.08 ft; Bit #3 (36. hrs), PDM # (42.5 hrs), Sub, Sub, MWD, 1x DC, DP (E), 15x HWDP

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lbf/100ft ²)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)
Native	9.5	28	1	4.0	1.0 / 1.0	0	9.5	0.80	0.00	0.00

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
00:00	01:15	1.25	7530.00	3	Slide f/ 7510' to 7530' @ 170R GTF.
01:15	01:30	0.25	7542.00	3	Rotate f/ 7530' to 7542' WOB=7K RPM=32
01:30	01:45	0.25	7542.00	3	C/S @ 7495' 93.07 Inc. 269.89 Azm.
01:45	02:45	1.00	7562.00	3	Slide f/ 7542' to 7562' @ 180 GTF.
02:45	03:00	0.25	7573.00	3	Rotate f/ 7562' to 7573' WOB=7K RPM=32
03:00	03:15	0.25	7573.00	3	C/S @ 7526' 90.81 Inc. 269.96 Azm.
03:15	04:00	0.75	7593.00	3	Slide f/ 7573' to 7593' @ 180 GTF.
04:00	04:15	0.25	7605.00	3	Rotate f/ 7593' to 7605' WOB=7K RPM=32
04:15	04:30	0.25	7605.00	3	C/S @ 7558 88.64 Inc. 270.37 Azm.
04:30	05:30	1.00	7625.00	3	Slide f/ 7605' to 7625' @ 180 GTF.
05:30	05:45	0.25	7637.00	3	Rotate f/ 7625' to 7637'
05:45	06:00	0.25	7637.00	3	C/S @ 7590' 86.59 Inc. 271.01 Az.
06:00	06:30	0.50	7668.00	3	Rotate f/ 7637' to 7668'
06:30	06:45	0.25	7668.00	3	C/S @ 7621' 84.78 Inc. 271.62 Az.
06:45	07:30	0.75	7700.00	3	Rotate f/ 7668' to 7700'
07:30	07:45	0.25	7700.00	3	C/S @ 7653' 84.42 Inc. 271.63 Az.
07:45	08:00	0.25	7715.00	3	Slide f/ 7700' to 7715' @ HS GTF.
08:00	08:30	0.50	7732.00	3	Rotate f/ 7715' to 7732'
08:30	08:45	0.25	7732.00	3	C/S @ 7685' 84.63 Inc. 271.50 Az.
08:45	09:30	0.75	7747.00	3	Slide f/ 7732' to 7747' @ HS GTF.
09:30	10:30	1.00	7764.00	3	Rotate f/ 7747' to 7764'
10:30	10:45	0.25	7764.00	3	C/S @ 7717' 86.06 Inc. 271.09 Az.
10:45	11:45	1.00	7796.00	3	Rotate f/ 7764' to 7796'

COMMENTS

Daily cost:\$11050.00 Total Cost: \$81050.00

CURRENT STATUS Report # 8 3/8/2008

Total Depth (ft) : 7991	Casing Depth (ft) :	Operator Reps : Johnny Henderson
Drilled last 24 hrs (ft) : 481	Casing Diameter (in) :	SSDS Reps : Bernardo Flores (8), Travis Elliot (8)
Hole Size (in) : 6.125	Casing ID (in) :	

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
7970.00	92.23	270.87	6945.22	1056.82	S89.90W

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)

BHA SUMMARY

BHA 3: 5305.08 ft; Bit #3 (36. hrs), PDM # (42.5 hrs), Sub, Sub, MWD, 1x DC, DP (E), 15x HWDP

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lb/100ft ²)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)
Native	9.5	28	1	4.0	1.0 / 1.0	0	9.5	0.80	0.00	0.00

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
11:45	12:00	0.25	7796.00	3	C/S @ 7749' 87.63 Inc. 271.27 Az.
12:00	13:30	1.50	7806.00	3	Slide f/ 7796' to 7806' @ HS GTF.
13:30	14:30	1.00	7827.00	3	Rotate f/ 7806' to 7827'
14:30	14:45	0.25	7827.00	3	C/S @ 7780' 87.92 Inc. 271.16 Az.
14:45	15:30	0.75	7842.00	3	Slide f/ 7827' to 7842' @ 5R GTF.
15:30	16:30	1.00	7859.00	3	Rotate f/ 7842' to 7859'
16:30	17:00	0.50	7859.00	3	Service Rig
17:00	17:15	0.25	7859.00	3	C/S @ 7812' 89.44 Inc. 271.04 Azm
17:15	18:30	1.25	7891.00	3	Rotate f/ 7859' to 7891'
18:30	18:45	0.25	7891.00	3	C/S @ 7844' 90.74 Inc. 271.41 Azm.
18:45	20:15	1.50	7922.00	3	Rotate f/ 7891' to 7922'
20:15	20:30	0.25	7922.00	3	C/S @ 7875' 91.24 Inc 271.26 Azm.
20:30	21:45	1.25	7954.00	3	Rotate f/ 7922' to 7954'
21:45	22:00	0.25	7954.00	3	C/S @ 7907' 91.33 Inc 270.38 Azm.
22:00	23:00	1.00	7986.00	3	Rotate f/ 7954' to 7986'
23:00	23:15	0.25	7986.00	3	C/S @ 7939' 91.79 Inc. 270.38 Azm.
23:15	00:00	0.75	7991.00	3	Slide f/ 7986' to 7991' @ 45R GTF.

COMMENTS

Daily cost:\$11050.00 Total Cost: \$81050.00



Daily Drilling Report

Operator : Cimarex
 Well Name : Drumstick "7" Federal Com. Side Track # 1
 Field : Drumstick
 Location : "7" Federal Com
 Rig : Patterson #623
 Job # : MO-MJ-0005617171

CURRENT STATUS Report # 9 3/9/2008

Total Depth (ft) :	8405	Casing Depth (ft) :		Operator Reps :	Johnny Henderson
Drilled last 24 hrs (ft) :	414	Casing Diameter (in) :		SSDS Reps :	Bernardo Flores (9), Travis Elliot (9)
Hole Size (in) :	6.125	Casing ID (in) :			

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
8383.00	90.25	273.79	6932.13	1469.14	N89.41W

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)

BHA SUMMARY

BHA 3: 5305.08 ft; Bit #3 (56. hrs), PDM # (62.5 hrs), Sub, Sub, MWD, 1x DC, DP (E), 15x HWDP

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lb/100ft ³)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)
Native	9.5	28	1	4.0	1.0 / 1.0	0	9.5	0.80	0.00	0.00

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
00:00	00:45	0.75	8017.00	3	Rotate f/ 7991' to 8017'
00:45	01:00	0.25	8017.00	3	C/S @ 7970' 92.23 Inc. 270.87 Azm.
01:00	03:15	2.25	8049.00	3	Rotate f/ 8017' to 8049' 1 hr. delay for day light savings.
03:15	03:30	0.25	8049.00	3	C/S @ 8002' 92.67 Inc. 271.34 Azm
03:30	04:30	1.00	8081.00	3	Rotate f/ 8049' to 8081'
04:30	04:45	0.25	8081.00	3	C/S @ 8034' 92.87 Inc. 271.24 Azm.
04:45	06:00	1.25	8113.00	3	Rotate f/ 8081' to 8113'
06:00	06:45	0.75	8123.00	3	Slide f/ 8113' to 8123' @ 175R GTF.
06:45	07:30	0.75	8144.00	3	Rotate f/ 8123' to 8144'
07:30	07:45	0.25	8144.00	3	C/S @ 8097' 94.46 Inc. 271.82 Az.
07:45	08:00	0.25	8154.00	3	Slide f/ 8144' to 8154' @ 155R GTF.
08:00	09:00	1.00	8176.00	3	Rotate f/ 8154' to 8176'
09:00	09:30	0.50	8176.00	3	Service Rig
09:30	09:45	0.25	8176.00	3	C/S @ 8129' 93.33 Inc. 271.86 Az.
09:45	10:15	0.50	8184.00	3	Slide f/ 8176' to 8184' @ 175R GTF.
10:15	11:30	1.25	8208.00	3	Rotate f/ 8184' to 8208'
11:30	11:45	0.25	8208.00	3	C/S @ 8161' 92.37 Inc. 272.04 Az.
11:45	12:45	1.00	8240.00	3	Rotate f/ 8208' to 8240'
12:45	13:00	0.25	8240.00	3	C/S @ 8193' 91.58 Inc. 272.43 Az.
13:00	13:45	0.75	8250.00	3	Slide f/ 8240' to 8250' @ 180R GTF.
13:45	14:30	0.75	8271.00	3	Rotate f 8250' to 8271'
14:30	14:45	0.25	8271.00	3	C/S @ 8224' 92.07 Inc. 272.40 Az.
14:45	16:00	1.25	8286.00	3	Slide f/ 8271' to 8286' @ 180 GTF.

COMMENTS

Daily cost:\$11050.00 Total Cost: \$92100.00

0vs TVD = 6977' With a 1.7 Up Dip.
 0vs TVD = 6977' With a 1.6 Up Dip.

CURRENT STATUS Report # 9 3/9/2008

Total Depth (ft) : 8405	Casing Depth (ft) :	Operator Reps : Johnny Henderson
Drilled last 24 hrs (ft) : 414	Casing Diameter (in) :	SSDS Reps : Bernardo Flores (9), Travis Elliot (9)
Hole Size (in) : 6.125	Casing ID (in) :	

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
8383.00	90.25	273.79	6932.13	1469.14	N89.41W

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)

BHA SUMMARY

BHA 3: 5305.08 ft; Bit #3 (56. hrs), PDM # (62.5 hrs), Sub, Sub, MWD, 1x DC, DP (E), 15x HWDP

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lb/100ft ²)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)
Native	9.5	28	1	4.0	1.0 / 1.0	0	9.5	0.80	0.00	0.00

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
16:00	17:00	1.00	8303.00	3	Rotate f/ 8286' to 8303'
17:00	17:15	0.25	8303.00	3	C/S @ 8256' 90.68 Inc. 272.88 Azm.
17:15	18:45	1.50	8335.00	3	Rotate f/ 8303' to 8335'
18:45	19:00	0.25	8335.00	3	C/S @ 8288' 89.23 Inc. 273.55 Azm.
19:00	19:30	0.50	8345.00	3	Rotate f/ 8335' to 8345'
19:30	20:00	0.50	8345.00	3	Repair throttle control to pumps.
20:00	21:15	1.25	8367.00	3	Rotate f/ 8345' to 8367'
21:15	21:30	0.25	8367.00	3	C/S @ 8320' 89.54 Inc. 273.66 Azm.
21:30	22:45	1.25	8398.00	3	Rotate f/ 8367' to 8398'
22:45	23:00	0.25	8398.00	3	C/S @ 8351' 90.23 Inc. 273.86 Azm.
23:00	00:00	1.00	8405.00	3	Slide f/ 8398' to 8405' @ 140L GTF.

COMMENTS

Daily cost:\$11050.00 Total Cost: \$92100.00

Ovs TVD = 6977' With a 1.7 Up Dip.

Ovs TVD = 6977' With a 1.6 Up Dip.

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DRILLING SERVICES

Daily Drilling Report

Operator : Cimarex
 Well Name : Drumstick "7" Federal Com. Side Track # 1
 Field : Drumstick
 Location : "7" Federal Com
 Rig : Patterson #623
 Job # : MO-MJ-0005617171

CURRENT STATUS Report # 10 3/10/2008

Total Depth (ft) :	8873	Casing Depth (ft) :		Operator Reps :	Johnny Henderson
Drilled last 24 hrs (ft) :	468	Casing Diameter (in) :		SSDS Reps :	Bernardo Flores (10), Travis Elliot (10)
Hole Size (in) :	6.125	Casing ID (in) :			

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
8858.00	92.99	269.95	6923.57	1943.74	N88.98W

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)

BHA SUMMARY

BHA 3: 5305.08 ft; Bit #3 (76. hrs), PDM # (82.5 hrs), Sub, Sub, MWD, 1x DC, DP (E), 15x HWDP

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lbf/100ft ²)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)
Native	9.5	28	1	4.0	1.0 / 1.0	0	9.5	0.80	0.00	0.00

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
00:00	00:30	0.50	8408.00	3	Slide f/ 8405' to 8408' @ 140L GTF.
00:30	01:15	0.75	8430.00	3	Rotate f/ 8408' to 8430'
01:15	01:30	0.25	8430.00	3	C/S @ 8383' 90.25 Inc. 273.79 Azm.
01:30	02:30	1.00	8462.00	3	Rotate f/ 8430' to 8462'
02:30	02:45	0.25	8462.00	3	C/S @ 8415' 89.07 Inc. 272.97 Azm.
02:45	04:00	1.25	8494.00	3	Rotate f/ 8462' to 8494'
04:00	04:15	0.25	8494.00	3	C/S @ 8447' 89.37 Inc. 273.02 Azm.
04:15	05:15	1.00	8525.00	3	Rotate f/ 8494' to 8525'
05:15	05:30	0.25	8525.00	3	C/S @ 8478' 89.84 Inc. 273.24 Az.
05:30	06:00	0.50	8535.00	3	Slide f/ 8525' to 8535' @ 45R GTF.
06:00	07:15	1.25	8557.00	3	Rotate f/ 8535' to 8557'
07:15	07:30	0.25	8557.00	3	C/S @ 8510' 90.12 Inc. 273.44 Az.
07:30	08:45	1.25	8589.00	3	Rotate f/ 8557' to 8589'
08:45	09:00	0.25	8589.00	3	C/S @ 8542' 90.74 Inc. 272.28 Az.
09:00	10:00	1.00	8599.00	3	Slide f/ 8589' to 8599' @ 130L GTF.
10:00	10:45	0.75	8620.00	3	Rotate f/ 8599' to 8620'
10:45	11:00	0.25	8620.00	3	C/S @ 8573' 90.95 Inc. 272.40 Az.
11:00	12:15	1.25	8652.00	3	Rotate f/ 8620' to 8652'
12:15	12:45	0.50	8652.00	3	Service Rig
12:45	13:00	0.25	8652.00	3	C/S @ 8605' 90.03 Inc. 271.17 Az.
13:00	14:00	1.00	8683.00	3	Rotate f/ 8652' to 8683'
14:00	14:15	0.25	8683.00	3	C/S @ 8636' 90.87 Inc. 272.14 Az.
14:15	14:45	0.50	8693.00	3	Slide f/ 8683' to 8693' @ 90L GTF.

COMMENTS

Daily cost:\$11,050.00 Total Cost: \$103,150.00

CURRENT STATUS Report # 10 3/10/2008

Total Depth (ft) : 8873	Casing Depth (ft) :	Operator Reps : Johnny Henderson SSDS Reps : Bernardo Flores (10), Travis Elliot (10)
Drilled last 24 hrs (ft) : 468	Casing Diameter (in) :	
Hole Size (in) : 6.125	Casing ID (in) :	

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
8858.00	92.99	269.95	6923.57	1943.74	N88.98W

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)

BHA SUMMARY

BHA 3: 5305.08 ft; Bit #3 (76. hrs), PDM # (82.5 hrs), Sub, Sub, MWD, 1x DC, DP (E), 15x HWDP

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lbf/100ft ²)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)
Native	9.5	28	1	4.0	1.0 / 1.0	0	9.5	0.80	0.00	0.00

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
14:45	15:45	1.00	8715.00	3	Rotate f/ 8693' to 8715'
15:45	16:00	0.25	8715.00	3	C/S @ 8668' 91.70 Inc. 273.59 Az.
16:00	17:30	1.50	8746.00	3	Rotate f/ 8715' to 8746'
17:30	17:45	0.25	8746.00	3	C/S @ 8699' 91.74 Inc. 272.72 Azm.
17:45	18:30	0.75	8758.00	3	Slide f/ 8746' to 8758' @ 95L GTF.
18:30	19:30	1.00	8778.00	3	Rotate f/ 8758' to 8778'
19:30	19:45	0.25	8778.00	3	C/S @ 8731' 92.13 Inc. 272.70 Azm.
19:45	20:45	1.00	8810.00	3	Rotate f/ 8778' to 8810'
20:45	21:00	0.25	8810.00	3	C/S @ 8763' 92.03 Inc. 271.52 Azm.
21:00	22:15	1.25	8820.00	3	Slide f/ 8810' to 8820' @ 90L GTF.
22:15	22:45	0.50	8842.00	3	Rotate f/ 8820' to 8842'
22:45	23:00	0.25	8842.00	3	C/S @ 8795' 92.64 Inc. 271.66 Azm.
23:00	00:00	1.00	8873.00	3	Rotate f/ 8842' to 8873'

COMMENTS

Daily cost:\$11,050.00 Total Cost: \$103,150.00

sperry-sun DRILLING SERVICES

Daily Drilling Report

Operator : Cimarex
Well Name : Drumstick "7" Federal Com. Side Track # 1
Field : Drumstick
Location : "7" Federal Com
Rig : Patterson #623
Job # : MO-MJ-0005617171

CURRENT STATUS Report # 11 3/11/2008

Total Depth (ft) :	9349	Casing Depth (ft) :		Operator Reps :	Johnny Henderson
Drilled last 24 hrs (ft) :	476	Casing Diameter (in) :		SSDS Reps :	Bernardo Flores (11), Travis Elliot (11)
Hole Size (in) :	6.125	Casing ID (in) :			

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
9334.00	92.16	268.86	6908.77	2419.21	N89.38W

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)

BHA SUMMARY

BHA 3: 5305.08 ft; Bit #3 (96. hrs), PDM # (102.5 hrs), Sub, Sub, MWD, 1x DC, DP (E), 15x HWDP

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lb/100ft ²)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)
Native	9.5	28	1	4.0	1.0 / 1.0	0	9.5	0.80	0.00	0.00

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
00:00	00:15	0.25	8873.00	3	C/S @ 8826' 92.64 Inc. 270.14 Az.
00:15	01:30	1.25	8888.00	3	Slide f/ 8873' to 8888' @ 157L GTF.
01:30	02:00	0.50	8905.00	3	Rotate f/ 8888' to 8905'
02:00	02:15	0.25	8905.00	3	C/S @ 8858' 92.99 Inc. 269.95 Az.
02:15	03:15	1.00	8937.00	3	Rotate f/ 8905' to 8937'
03:15	03:30	0.25	8937.00	3	C/S @ 8890' 91.98 Inc. 268.96 Az.
03:30	04:45	1.25	8949.00	3	Slide f/ 8937' to 8949' @ 160L GTF.
04:45	05:45	1.00	8968.00	3	Rotate f/ 8949' to 8968'
05:45	06:00	0.25	8968.00	3	C/S @ 8921' 92.34 Inc. 268.91 Az.
06:00	07:00	1.00	9000.00	3	Rotate f/ 8968' to 9000'
07:00	07:15	0.25	9000.00	3	C/S @ 8953' 90.96 Inc. 268.55 Az.
07:15	08:00	0.75	9032.00	3	Rotate f/ 9000' to 9032'
08:00	08:15	0.25	9032.00	3	C/S @ 8985' 91.11 Inc. 268.46 Az.
08:15	09:00	0.75	9042.00	3	Slide f/ 9032' to 9042' @ 175L GTF.
09:00	09:45	0.75	9063.00	3	Rotate f/ 9042' to 9063'
09:45	10:00	0.25	9063.00	3	C/S @ 9016' 91.33 Inc. 268.37 Az.
10:00	11:15	1.25	9095.00	3	Rotate f/ 9063' to 9095'
11:15	11:30	0.25	9095.00	3	C/S @ 9048' 90.43 Inc. 268.62 Az.
11:30	12:45	1.25	9127.00	3	Rotate f/ 9095' to 9127'
12:45	13:00	0.25	9127.00	3	C/S @ 9080' 90.62 Inc. 268.89 Az.
13:00	14:30	1.50	9159.00	3	Rotate f/ 9127' to 9159'
14:30	14:45	0.25	9159.00	3	C/S @ 9112' 90.83 Inc. 268.95 Az.
14:45	15:45	1.00	9191.00	3	Rotate f/ 9159' to 9191'

COMMENTS

Daily cost: \$11,050.00 Total Cost: \$114,200.00

CURRENT STATUS Report # 11 3/11/2008

Total Depth (ft) :	9349	Casing Depth (ft) :		Operator Reps :	Johnny Henderson
Drilled last 24 hrs (ft) :	476	Casing Diameter (in) :		SSDS Reps :	Bernardo Flores (11), Travis Elliot (11)
Hole Size (in) :	6.125	Casing ID (in) :			

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
9334.00	92.16	268.86	6908.77	2419.21	N89.38W

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)

BHA SUMMARY

BHA 3: 5305.08 ft; Bit #3 (96. hrs), PDM # (102.5 hrs), Sub, Sub, MWD, 1x DC, DP (E), 15x HWDP

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lbf/100ft ²)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)
Native	9.5	28	1	4.0	1.0 / 1.0	0	9.5	0.80	0.00	0.00

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
15:45	16:00	0.25	9191.00	3	C/S @ 9144' 91.32 Inc. 269.16 Az.
16:00	17:15	1.25	9222.00	3	Rotate f/ 9191' to 9222'
17:15	17:30	0.25	9222.00	3	C/S @ 9175' 91.82 Inc. 269.37 Az.
17:30	18:30	1.00	9254.00	3	Rotate f/ 9222' to 9254'
18:30	18:45	0.25	9254.00	3	C/S @ 9207' 92.27 Inc. 269.48 Az.
18:45	19:45	1.00	9286.00	3	Rotate f/ 9254' to 9286'
19:45	20:00	0.25	9286.00	3	C/S @ 9239' 92.97 Inc. 269.52 Az.
20:00	21:30	1.50	9298.00	3	Slide f/ 9286' to 9298' @ 165L GTF.
21:30	22:00	0.50	9318.00	3	Rotate f/ 9298' to 9318'
22:00	22:15	0.25	9318.00	3	C/S @ 9271' 93.74 Inc 269.59 Az.
22:15	23:45	1.50	9349.00	3	Rotate f/ 9318' to 9349'
23:45	00:00	0.25	9349.00	3	C/S @ 9302' 92.46 Inc. 269.15 Az.

COMMENTS

Daily cost:\$11,050.00 Total Cost: \$114,200.00

sperry-sun

DRILLING SERVICES

Daily Drilling Report

Operator : Cimarex
 Well Name : Drumstick "7" Federal Com. Side Track # 1
 Field : Drumstick
 Location : "7" Federal Com
 Rig : Patterson #623
 Job # : MO-MJ-0005617171

CURRENT STATUS Report # 12 3/12/2008

Total Depth (ft) :	9391	Casing Depth (ft) :		Operator Reps :	Johnny Henderson
Drilled last 24 hrs (ft) :	42	Casing Diameter (in) :		SSDS Reps :	Bernardo Flores (12), Travis Elliot (12)
Hole Size (in) :	6.125	Casing ID (in) :			

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
9366.00	91.08	268.47	6907.87	2451.18	N89.40W

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)

BHA SUMMARY

BHA 3: 5305.08 ft; Bit #3 (97. hrs), PDM # (106.75 hrs), Sub, Sub, MWD, 1x DC, DP (E), 15x HWDP
 BHA 4: 5305.10 ft; Bit #4 (3.5 hrs), PDM # (3.5 hrs), Sub, Sub, MWD, 1x DC, DP (E), 15x HWDP

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lbf/100ft ²)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)
Native	9.5	28	1	4.0	1.0 / 1.0	0	9.5	0.80	0.00	0.00

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
00:00	01:00	1.00	9352.00	3	Slide f/ 9349' to 9352' @ 165L GTF.
01:00	04:15	3.25	9352.00	3	Circulate
04:15	11:00	6.75	9352.00	3	Trip Out (at Surface)
11:00	13:00	2.00	9352.00	3	Change Motor, Bit, Scribe & Test MWD.
13:00	20:15	7.25	9352.00	4	Trip In
20:15	21:00	0.75	9352.00	4	Wash to bottom
21:00	22:45	1.75	9360.00	4	Slide f/ 9352' to 9360' @ 168L GTF.
22:45	23:30	0.75	9381.00	4	Rotate f/ 9360' to 9381'
23:30	23:45	0.25	9381.00	4	C/S @ 9334' 92.16 Inc. 268.86 Az.
23:45	00:00	0.25	9391.00	4	Rotate f/ 9381' to 9391'

COMMENTS

Daily cost: \$11,800.00 Total Cost: \$126,000.00

sperry-sun

DRILLING SERVICES

Daily Drilling Report

Operator : Cimarex
 Well Name : Drumstick "7" Federal Com. Side Track # 1
 Field : Drumstick
 Location : "7" Federal Com
 Rig : Patterson #623
 Job # : MO-MJ-0005617171

CURRENT STATUS Report # 13 3/13/2008

Total Depth (ft) :	9825	Casing Depth (ft) :		Operator Reps :	Johnny Henderson
Drilled last 24 hrs (ft) :	434	Casing Diameter (in) :		SSDS Reps :	Bernardo Flores (13), Travis Elliot (13)
Hole Size (in) :	6.125	Casing ID (in) :			

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
9810.00	92.50	267.81	6902.18	2894.73	N89.75W

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)

BHA SUMMARY

BHA 4: 5305.10 ft; Bit #4 (21.75 hrs), PDM # (21.75 hrs), Sub, Sub, MWD, 1x DC, DP (E), 15x HWDP

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lb/100ft ²)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)
Native	9.5	28	1	4.0	1.0 / 1.0	0	9.5	0.80	0.00	0.00

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
00:00	00:45	0.75	9413.00	4	Rotate f/ 9391' to 9413'
00:45	01:00	0.25	9413.00	4	C/S @ 9366' 91.08 Inc. 268.47 Az.
01:00	02:00	1.00	9445.00	4	Rotate f/ 9413' to 9445'
02:00	02:15	0.25	9445.00	4	C/S @ 9398' 91.81 Inc. 268.47 Az.
02:15	04:00	1.75	9455.00	4	Slide f/ 9445' to 9455' @ 168L GTF.
04:00	05:00	1.00	9476.00	4	Rotate f/ 9455' to 9476'
05:00	05:15	0.25	9476.00	4	C/S @ 9429'
05:15	06:00	0.75	9486.00	4	Slide f/ 9476' to 9486' @ 180 GTF.
06:00	07:15	1.25	9508.00	4	Rotate f/ 9486' to 9508'
07:15	08:00	0.75	9508.00	4	C/S @ 9461' 92.06 Inc. 268.16 Az.
08:00	09:00	1.00	9518.00	4	Slide f/ 9508' to 9518' @ 180 GTF.
09:00	09:45	0.75	9540.00	4	Rotate f/ 9518' to 9540'
09:45	10:15	0.50	9540.00	4	C/S @ 9493' 91.23 Inc. 268.00 Az.
10:15	11:15	1.00	9550.00	4	Slide f/ 9540' to 9550' @ 180 GTF.
11:15	11:45	0.50	9572.00	4	Rotate f/ 9550' to 9572'
11:45	12:15	0.50	9572.00	4	C/S @ 9525' 90.56 Inc. 267.97 Az.
12:15	13:45	1.50	9582.00	4	Slide f/ 9572' to 9582' @ 180 GTF.
13:45	14:15	0.50	9603.00	4	Rotate f/ 9582' to 9603'
14:15	14:45	0.50	9603.00	4	C/S @ 9556' 89.63 Inc. 268.28 Az.
14:45	15:45	1.00	9635.00	4	Rotate f/ 9603' to 9635'
15:45	16:15	0.50	9635.00	4	C/S @ 9588' 88.30 Inc. 268.39 Az.
16:15	17:30	1.25	9667.00	4	Rotate f/ 9635' to 9667'
17:30	18:00	0.50	9667.00	4	C/S @ 9620' 88.86 Inc. 268.34 Az.

COMMENTS

Daily cost: \$11,050.00 Total Cost: \$137,050.00

0vs TVD = 6977' With a 1.45 Down Dip.
 0vs TVD = 6977' With a 1.45 Up Dip.
 0vs TVD = 6977' With a 1.5 Up Dip.

CURRENT STATUS Report # 13 3/13/2008

Total Depth (ft) : 9825	Casing Depth (ft) :	Operator Reps : Johnny Henderson
Drilled last 24 hrs (ft) : 434	Casing Diameter (in) :	SSDS Reps : Bernardo Flores (13), Travis Elliot (13)
Hole Size (in) : 6.125	Casing ID (in) :	

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
9810.00	92.50	267.81	6902.18	2894.73	N89.75W

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)

BHA SUMMARY

BHA 4: 5305.10 ft; Bit #4 (21.75 hrs), PDM # (21.75 hrs), Sub, Sub, MWD, 1x DC, DP (E), 15x HWDP

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lbf/100ft ²)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)
Native	9.5	28	1	4.0	1.0 / 1.0	0	9.5	0.80	0.00	0.00

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
18:00	19:30	1.50	9698.00	4	Rotate f/ 9667' to 9698'
19:30	19:45	0.25	9698.00	4	C/S @ 9651' 89.57 Inc. 268.44 Az.
19:45	20:45	1.00	9730.00	4	Rotate f/ 9698' to 9730'
20:45	21:15	0.50	9730.00	4	C/S @ 9683' 90.09 Inc. 268.59 Az.
21:15	21:45	0.50	9762.00	4	Rotate f/ 9730' to 9762'
21:45	22:15	0.50	9762.00	4	C/S @ 9715' 90.46 Inc. 268.48 Az.
22:15	23:00	0.75	9793.00	4	Rotate f/ 9762' to 9793'
23:00	23:30	0.50	9793.00	4	C/S @ 9746' 91.20 Inc. 268.32 Az.
23:30	00:00	0.50	9825.00	4	Rotate f/ 9793' to 9825'

COMMENTS

Daily cost: \$11,050.00 Total Cost: \$137,050.00

Ovs TVD = 6977' With a 1.45 Down Dip.

Ovs TVD = 6977' With a 1.45 Up Dip.

Ovs TVD = 6977' With a 1.5 Up Dip.

sperry-sun DRILLING SERVICES

Daily Drilling Report

Operator : Cimarex
 Well Name : Drumstick "7" Federal Com. Side Track # 1
 Field : Drumstick
 Location : "7" Federal Com
 Rig : Patterson #623
 Job # : MO-MJ-0005617171

CURRENT STATUS Report # 14 3/14/2008

Total Depth (ft) : 10224	Casing Depth (ft) :	Operator Reps : Johnny Henderson
Drilled last 24 hrs (ft) : 399	Casing Diameter (in) :	SSDS Reps : Bernardo Flores (14), Travis Elliot (14)
Hole Size (in) : 6.125	Casing ID (in) :	

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
10222.00	90.43	269.06	6893.47	3306.32	S89.98W

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)

BHA SUMMARY

BHA 4: 5305.10 ft; Bit #4 (37.5 hrs), PDM # (37.5 hrs), Sub, Sub, MWD, 1x DC, DP (E), 15x HWDP

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lbf/100ft ²)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)
Native	9.5	28	1	4.0	1.0 / 1.0	0	9.5	0.80	0.00	0.00

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
00:00	00:30	0.50	9825.00	4	C/S @ 9778' 91.79 Inc. 268.14 Az.
00:30	00:45	0.25	9825.00	4	Repair swab on #1 Pump
00:45	02:00	1.25	9835.00	4	Slide f/ 9825' to 9835' @ 164R GTF.
02:00	02:30	0.50	9857.00	4	Rotate f/ 9835' to 9857'
02:30	03:00	0.50	9857.00	4	C/S @ 9810' 92.50 Inc. 267.81 Az.
03:00	04:15	1.25	9869.00	4	Slide f/ 9857' to 9869' @ 180 GTF.
04:15	04:30	0.25	9888.00	4	Rotate f/ 9869' to 9888'
04:30	05:00	0.50	9888.00	4	C/S @ 9841' 91.08 Inc. 268.00 Az.
05:00	05:30	0.50	9920.00	4	Rotate f/ 9888' to 9920'
05:30	06:00	0.50	9920.00	4	C/S @ 9873' 89.69 Inc. 268.33 Az.
06:00	06:30	0.50	9952.00	4	Rotate f/ 9920' to 9952'
06:30	07:00	0.50	9952.00	4	C/S @ 9905' 90.25 Inc. 268.32 Az.
07:00	07:45	0.75	9984.00	4	Rotate f/ 9952' to 9984'
07:45	08:15	0.50	9984.00	4	C/S @ 9937' 90.77 Inc. 268.05 Az.
08:15	09:00	0.75	10015.00	4	Rotate f/ 9984' to 10015'
09:00	09:30	0.50	10015.00	4	C/S @ 9968' 90.96 Inc. 267.84 Az.
09:30	10:30	1.00	10047.00	4	Rotate f/ 10015' to 10047'
10:30	11:00	0.50	10047.00	4	C/S @ 10000' 91.51 Inc. 267.71 Az.
11:00	11:45	0.75	10079.00	4	Rotate f/ 10047' to 10079'
11:45	12:15	0.50	10079.00	4	C/S @ 10032' 91.82 Inc. 267.23 Az.
12:15	13:00	0.75	10084.00	4	Slide f/ 10079' to 10084' @ 110R GTF.
13:00	13:45	0.75	10110.00	4	Rotate f/ 10084' to 10110'
13:45	15:30	1.75	10110.00	4	Service Rig

COMMENTS

Daily cost:\$11,050.00 Total Cost: \$148,100.00

Ovs TVD = 6977' With a 1.45 Up Dip.

Ovs TVD = 6977' With a 1.40 Up Dip.

CURRENT STATUS Report # 14 3/14/2008

Total Depth (ft) : 10224	Casing Depth (ft) :	Operator Reps : Johnny Henderson SSDS Reps : Bernardo Flores (14), Travis Elliot (14)
Drilled last 24 hrs (ft) : 399	Casing Diameter (in) :	
Hole Size (in) : 6.125	Casing ID (in) :	

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
10222.00	90.43	269.06	6893.47	3306.32	S89.98W

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)

BHA SUMMARY

BHA 4: 5305.10 ft; Bit #4 (37.5 hrs), PDM # (37.5 hrs), Sub, Sub, MWD, 1x DC, DP (E), 15x HWDP

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lbf/100ft ²)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)
Native	9.5	28	1	4.0	1.0 / 1.0	0	9.5	0.80	0.00	0.00

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
15:30	15:45	0.25	10110.00	4	C/S @ 10063' 92.50 Inc. 267.23 Az.
15:45	17:00	1.25	10120.00	4	Slide f/ 10110' to 10120' @ 160R GTF.
17:00	17:45	0.75	10142.00	4	Rotate f/ 10120' to 10142'
17:45	18:15	0.50	10142.00	4	C/S @ 10095' 92.56 Inc. 267.90 Az.
18:15	20:00	1.75	10152.00	4	Slide f/ 10142' to 10152' @ 170R GTF.
20:00	20:15	0.25	10174.00	4	Rotate f/ 10152' to 10174'
20:15	20:45	0.50	10174.00	4	C/S @ 10127' 92.22 Inc. 268.24 Az.
20:45	22:45	2.00	10190.00	4	Slide f/ 10174' to 10190' @ 165R GTF.
22:45	23:15	0.50	10205.00	4	Rotate f/ 10190' to 10205'
23:15	23:45	0.50	10205.00	4	C/S @ 10158' 90.99 Inc. 268.74 Az.
23:45	00:00	0.25	10224.00	4	Rotate f/ 10205' to 10224'

COMMENTS

Daily cost: \$11,050.00 Total Cost: \$148,100.00

Ovs TVD = 6977' With a 1.45 Up Dip.
Ovs TVD = 6977' With a 1.40 Up Dip.

sperry-sun

DRILLING SERVICES

Daily Drilling Report

Operator : Cimarex
 Well Name : Drumstick "7" Federal Com. Side Track # 1
 Field : Drumstick
 Location : "7" Federal Com
 Rig : Patterson #623
 Job # : MO-MJ-0005617171

CURRENT STATUS Report # 15 3/15/2008

Total Depth (ft) : 10470	Casing Depth (ft) :	Operator Reps : Johnny Henderson
Drilled last 24 hrs (ft) : 246	Casing Diameter (in) :	SSDS Reps : Bernardo Flores (15), Travis Elliot (15)
Hole Size (in) : 6.125	Casing ID (in) :	

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
10470.00	89.63	270.67	6890.70	3554.26	S89.98W

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)

BHA SUMMARY

BHA 4: 5305.10 ft; Bit #4 (51.25 hrs), PDM # (53.25 hrs), Sub, Sub, MWD, 1x DC, DP (E), 15x HWDP

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lbf/100ft ²)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)
Native	9.5	28	1	4.0	1.0 / 1.0	0	9.5	0.80	0.00	0.00

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
00:00	00:15	0.25	10237.00	4	Rotate f/ 10224' to 10237'
00:15	00:45	0.50	10237.00	4	C/S @ 10190' 90.00 Inc. 269.45 Az.
00:45	01:30	0.75	10269.00	4	Rotate f/ 10237' to 10269'
01:30	02:00	0.50	10269.00	4	C/S @ 10222' 90.43 Inc. 269.06 Az.
02:00	02:45	0.75	10300.00	4	Rotate f/ 10269' to 10300'
02:45	03:15	0.50	10300.00	4	C/S @ 10253' 91.14 Inc. 269.17 Az.
03:15	04:15	1.00	10310.00	4	Slide f/ 10300' to 10310' @ 135
04:15	05:00	0.75	10332.00	4	Rotate f/ 10310' to 10332'
05:00	05:30	0.50	10332.00	4	C/S @ 10285' 91.76 Inc. 269.46 Az.
05:30	07:00	1.50	10350.00	4	Slide f/ 10332' to 10350' @ 180 GTF.
07:00	07:45	0.75	10364.00	4	Rotate f/ 10350' to 10364'
07:45	08:15	0.50	10364.00	4	C/S @ 10317' 91.82 Inc. 269.87 Az.
08:15	09:30	1.25	10379.00	4	Slide f/ 10364' to 10379' @ 180 GTF.
09:30	10:15	0.75	10396.00	4	Rotate f/ 10379' to 10396'
10:15	11:15	1.00	10396.00	4	C/S @ 10349' 90.99 Inc. 270.13 Az.
11:15	12:45	1.50	10413.00	4	Slide f/ 10396' to 10413' @ 180 GTF.
12:45	14:00	1.25	10427.00	4	Rotate f/ 10413' to 10427'
14:00	14:30	0.50	10427.00	4	C/S @ 10380' 89.94 Inc. 270.54 Az.
14:30	16:00	1.50	10441.00	4	Slide f/ 10427' to 10441' @ 160R GTF.
16:00	16:45	0.75	10459.00	4	Rotate f/ 10441' to 10459'
16:45	17:15	0.50	10459.00	4	C/S @ 10412' 89.3 Inc. 270.67 Az.
17:15	18:15	1.00	10470.00	4	Rotate f/ 10459' to 10470'

TD Well 3/15/08

COMMENTS

Daily cost:\$11,050.00

Total Cost: \$159,150.00

CURRENT STATUS Report # 15 3/15/2008

Total Depth (ft) : 10470	Casing Depth (ft) :	Operator Reps : Johnny Henderson SSDS Reps : Bernardo Flores (15), Travis Elliot (15)
Drilled last 24 hrs (ft) : 246	Casing Diameter (in) :	
Hole Size (in) : 6.125	Casing ID (in) :	

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
10470.00	89.63	270.67	6890.70	3554.26	S89.98W

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)

BHA SUMMARY

BHA 4: 5305.10 ft; Bit #4 (51.25 hrs), PDM # (53.25 hrs), Sub, Sub, MWD, 1x DC, DP (E), 15x HWDP

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lbf/100ft ²)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)
Native	9.5	28	1	4.0	1.0 / 1.0	0	9.5	0.80	0.00	0.00

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
18:15	20:15	2.00	10470.00	4	Circulate
20:15	00:00	3.75	10470.00	4	Trip Out

COMMENTS

Daily cost:\$11,050.00 Total Cost: \$159,150.00

SPERRY-SUN

DRILLING SERVICES

Daily Drilling Report

Operator : Cimarex
 Well Name : Drumstick "7" Federal Com. Side Track # 1
 Field : Drumstick
 Location : "7" Federal Com
 Rig : Patterson #623
 Job # : MO-MJ-0005617171

CURRENT STATUS Report # 16 3/16/2008

Total Depth (ft) :	10470	Casing Depth (ft) :		Operator Reps :	Johnny Henderson
Drilled last 24 hrs (ft) :	0	Casing Diameter (in) :		SSDS Reps :	Bernardo Flores (16), Travis Elliot (16)
Hole Size (in) :	6.125	Casing ID (in) :			

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
10470.00	89.63	270.67	6890.70	3554.26	S89.98W

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)

BHA SUMMARY

BHA 4: 5305.10 ft; Bit #4 (51.25 hrs), PDM # (53.25 hrs), Sub, Sub, MWD, 1x DC, DP (E), 15x HWDP

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lbf/100ft ²)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)
Native	9.5	28	1	4.0	1.0 / 1.0	0	9.5	0.80	0.00	0.00

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
00:00	05:30	5.50	10470.00	4	Trip Out to lay down Tools.
05:30	06:30	1.00	10470.00	4	L/D Tools.

COMMENTS

Daily cost:\$11,050.00 Total Cost: \$170,650.00