

Submit To Appropriate District Office
State Lease - 6 copies
Fee Lease - 5 copies
District I
1625 N French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources



Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-105
Revised June 10, 2003

WELL API NO.
30-015-35279

5. Indicate Type of Lease
STATE ☒ FEE ☐

State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:
OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER _____

b. Type of Completion:
NEW ☒ WORK ☐ DEEPEN ☐ PLUG ☐ DIFF.
WELL OVER BACK RESVR. ☐ OTHER

2. Name of Operator

LCX Energy, LLC

JAN 18 2008

3. Address of Operator

OCD-ARTESIA

110 N. Marienfeld, Ste 200, Midland, TX 79701

7. Lease Name or Unit Agreement Name

BIG DOG STATE UNIT

8. Well No.

201

9. Pool name or Wildcat

FOUR MILE DRAW; WOLFCAMP (G)

4. Well Location

Unit Letter C: 660 Feet From The SOUTH Line and 1880 Feet From The WEST Line

Section 20 Township 18S Range 2E3 NMPM County EDDY

10. Date Spudded 02/03/07 11. Date T.D. Reached 03/15/07 12. Date Compl. (Ready to Prod.) 06/29/07 13. Elevations (DF& RKB, RT, GR, etc.) 4009 GR 14. Elev. Casinghead 4009 GR

15. Total Depth 8123 16. Plug Back T.D. 8090 17. If Multiple Compl. How Many Zones? 18. Intervals Drilled By 19. Producing Interval(s), of this completion - Top, Bottom, Name 4800 - 8085 20. Was Directional Survey Made YES

21. Type Electric and Other Logs Run
DENSITY/NEWTRON

22. Was Well Cored
NO

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36#	1314	17 1/2" & 12 1/4"	715 CL C/1300 POZ C	TOC 500'
5 1/2"	17#	8121	8 3/4" & 7 7/8"	650 POZ C / 667 CL H	213 sx

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET

26. Perforation record (interval, size, and number)

4,800 - 5,523 (50) 5,723 - 6,323 (50)
6,523 - 7,123 (5) 7,323 - 8,085 (50)

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
8,085 - 4,800	29,458 GALS 15% HCl, 185,728 GALS SLK
BRINE WTR	157,386 GAL F/W, 26,000# 20/40 SAND
48,000# LTE	PROP, 305 TONS CO2

28. PRODUCTION

Date First Production 06/29/2007		Production Method (Flowing, gas lift, pumping - Size and type pump) FLOWING			Well Status (Prod. or Shut-in) PRODUCING		
Date of Test 07/05/07	Hours Tested 24	Choke Size 18/64	Prod'n For Test Period	Oil - Bbl 0	Gas - MCF 664	Water - Bbl. 3	Gas - Oil Ratio 0
Flow Tubing Press. 550 PSI	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF 664	Water - Bbl. 3	Oil Gravity - API - (Corr.)	

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

SOLD

Test Witnessed By

BILLY WALKER

30 List Attachments

Directional Surveys & Logs

31 I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief

Signature *Vickie L. Gotcher*

Printed

Name Vickie L. Gotcher Title Regulatory Analyst

Date 1/17/2008

E-mail Address vickie@eeronline.com

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta 1800	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T. Tubb 2818	T. Delaware Sand	T. Todilto	T.
T. Drinkard	T. Bone Springs	T. Entrada	T.
T. Abo 3460	T.	T. Wingate	T.
T. Wolfcamp 4404	T.	T. Chinle	T.
T. Penn	T.	T. Permian	T.
T. Cisco (Bough C)	T.	T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from.....to..... No. 3, from.....to.....
 No. 2, from.....to..... No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology
3870	4590	720	Dolomite/Shale	6360	6450	90	Dolomite/Shale
4590	4600	10	Dolomite/Shale/Lime	6450	7740	1290	Dolomite/Lime
4600	4620	20	Dolomite/Lime	7740	7810	70	Dolomite
4620	4800	180	Dolomite/Shale/Lime	7810	7960	150	Dolomite/Lime
4800	4850	50	Dolomite/Lime	7960	8060	100	Dolomite/Shale/Lime
4850	5180	330	Dolomite	8060	8120	60	Lime
5180	5320	140	Dolomite/Lime				
5320	5680	360	Dolomite				
5680	5910	230	Dolomite/Lime				
5910	6100	190	Dolomite/Shale/Lime				
6100	6360	260	Dolomite				

A Gyrodata Directional Survey

LCX Energy

Lease: Big Dog State Well: No. 201, 4-1/2" Drillpipe

Location: Big Dog Rig #9, Eddy County, New Mexico

Job Number: MD0207G_136

MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
0.00	0.00	0.00	N 0 0 E	0.00	0.00	0.0 0.0	0.00 N 0.00 E

0 - 4452 FEET RATE GYROSCOPIC MULTISHOT SURVEY RAN INSIDE 4-1/2" DRILLPIPE.							
ALL MEASURED DEPTHS AND COORDINATES REFRENCED TO BIG DOG RIG #9'S R.K.B.							

100.00	0.09	105.79	S 74 13 E	0.09	100.00	0.1 105.8	0.02 S 0.07 E
200.00	0.16	244.89	S 64 53 W	0.23	200.00	0.1 166.2	0.10 S 0.02 E
300.00	0.65	294.01	N 65 59 W	0.56	300.00	0.6 276.9	0.07 N 0.62 W
400.00	0.77	288.03	N 71 58 W	0.13	399.99	1.9 286.1	0.51 N 1.78 W
500.00	0.82	286.09	N 73 55 W	0.06	499.98	3.2 286.5	0.92 N 3.10 W
600.00	0.75	265.00	S 85 0 W	0.29	599.97	4.6 283.4	1.06 N 4.44 W
700.00	0.95	247.63	S 67 38 W	0.33	699.96	5.9 276.7	0.69 N 5.86 W
800.00	1.00	252.57	S 72 34 W	0.10	799.95	7.5 270.8	0.11 N 7.46 W
940.80	0.97	253.15	S 73 9 W	0.02	940.72	9.8 266.4	0.61 S 9.79 W
1003.50	0.99	259.79	S 79 47 W	0.18	1003.42	10.9 265.5	0.86 S 10.83 W
1066.20	1.03	270.14	N 89 52 W	0.30	1066.11	12.0 265.4	0.96 S 11.93 W
1128.90	0.93	287.04	N 72 58 W	0.49	1128.80	13.0 266.5	0.80 S 12.98 W
1191.60	0.81	281.70	N 78 18 W	0.24	1191.49	13.9 267.7	0.57 S 13.90 W
1254.30	0.71	294.80	N 65 12 W	0.32	1254.18	14.7 268.8	0.31 S 14.68 W
1317.00	0.71	309.70	N 50 18 W	0.29	1316.88	15.3 270.4	0.10 N 15.34 W
1379.70	0.73	308.25	N 51 45 W	0.04	1379.57	16.0 272.1	0.59 N 15.95 W
1442.40	0.52	313.71	N 46 18 W	0.34	1442.27	16.5 273.6	1.04 N 16.47 W
1505.10	0.35	323.69	N 36 19 W	0.30	1504.97	16.8 274.7	1.39 N 16.78 W
1567.80	0.43	315.44	N 44 33 W	0.16	1567.67	17.1 275.7	1.70 N 17.06 W
1630.50	0.35	289.88	N 70 7 W	0.30	1630.37	17.5 276.3	1.94 N 17.41 W

A Gyrodata Directional Survey

LCX Energy

Lease: Big Dog State Well: No. 201, 4-1/2" Drillpipe

Location: Big Dog Rig #9, Eddy County, New Mexico

Job Number: MD0207G_136

MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
1693.20	0.39	274.02	N 85 59 W	0.17	1693.06	17.9 276.5	2.02 N 17.80 W
1755.90	0.31	264.50	S 84 30 W	0.16	1755.76	18.3 276.3	2.02 N 18.18 W
1818.60	0.23	257.13	S 77 8 W	0.14	1818.46	18.6 276.1	1.97 N 18.46 W
1881.30	0.22	231.85	S 51 51 W	0.16	1881.16	18.8 275.7	1.87 N 18.68 W
1944.00	0.38	221.53	S 41 32 W	0.27	1943.86	19.0 274.9	1.64 N 18.92 W
2006.70	0.39	221.75	S 41 45 W	0.02	2006.56	19.2 273.9	1.32 N 19.20 W
2069.40	0.35	230.00	S 50 0 W	0.10	2069.26	19.5 273.0	1.04 N 19.49 W
2132.10	0.27	230.78	S 50 47 W	0.13	2131.96	19.8 272.4	0.82 N 19.75 W
2194.80	0.29	219.90	S 39 54 W	0.09	2194.66	20.0 271.7	0.61 N 19.97 W
2257.50	0.38	209.33	S 29 20 W	0.18	2257.36	20.2 270.9	0.31 N 20.17 W
2320.20	0.40	211.20	S 31 12 W	0.05	2320.05	20.4 269.8	0.06 S 20.38 W
2382.90	0.48	215.50	S 35 30 W	0.13	2382.75	20.7 268.7	0.46 S 20.65 W
2445.60	0.53	218.54	S 38 33 W	0.09	2445.45	21.0 267.5	0.90 S 20.98 W
2508.30	0.50	221.25	S 41 15 W	0.07	2508.15	21.4 266.4	1.34 S 21.34 W
2571.00	0.58	220.30	S 40 18 W	0.14	2570.84	21.8 265.3	1.78 S 21.73 W
2633.70	0.69	217.55	S 37 33 W	0.17	2633.54	22.3 264.0	2.33 S 22.16 W
2696.40	0.78	233.56	S 53 34 W	0.36	2696.24	22.9 262.8	2.88 S 22.74 W
2759.10	0.79	231.26	S 51 15 W	0.05	2758.93	23.7 261.7	3.40 S 23.42 W
2821.80	0.77	230.93	S 50 56 W	0.04	2821.62	24.4 260.7	3.94 S 24.08 W
2884.50	0.70	237.28	S 57 17 W	0.16	2884.32	25.1 259.9	4.41 S 24.73 W
2947.20	0.75	240.39	S 60 23 W	0.10	2947.01	25.9 259.3	4.82 S 25.41 W
3009.90	0.76	235.31	S 55 19 W	0.11	3009.71	26.6 258.6	5.26 S 26.11 W
3072.60	0.70	235.01	S 55 0 W	0.09	3072.40	27.4 257.9	5.71 S 26.76 W
3135.30	0.62	228.75	S 48 45 W	0.18	3135.10	28.0 257.3	6.15 S 27.33 W

A Gyrodata Directional Survey

LCX Energy

Lease: Big Dog State Well: No. 201, 4-1/2" Drillpipe

Location: Big Dog Rig #9, Eddy County, New Mexico

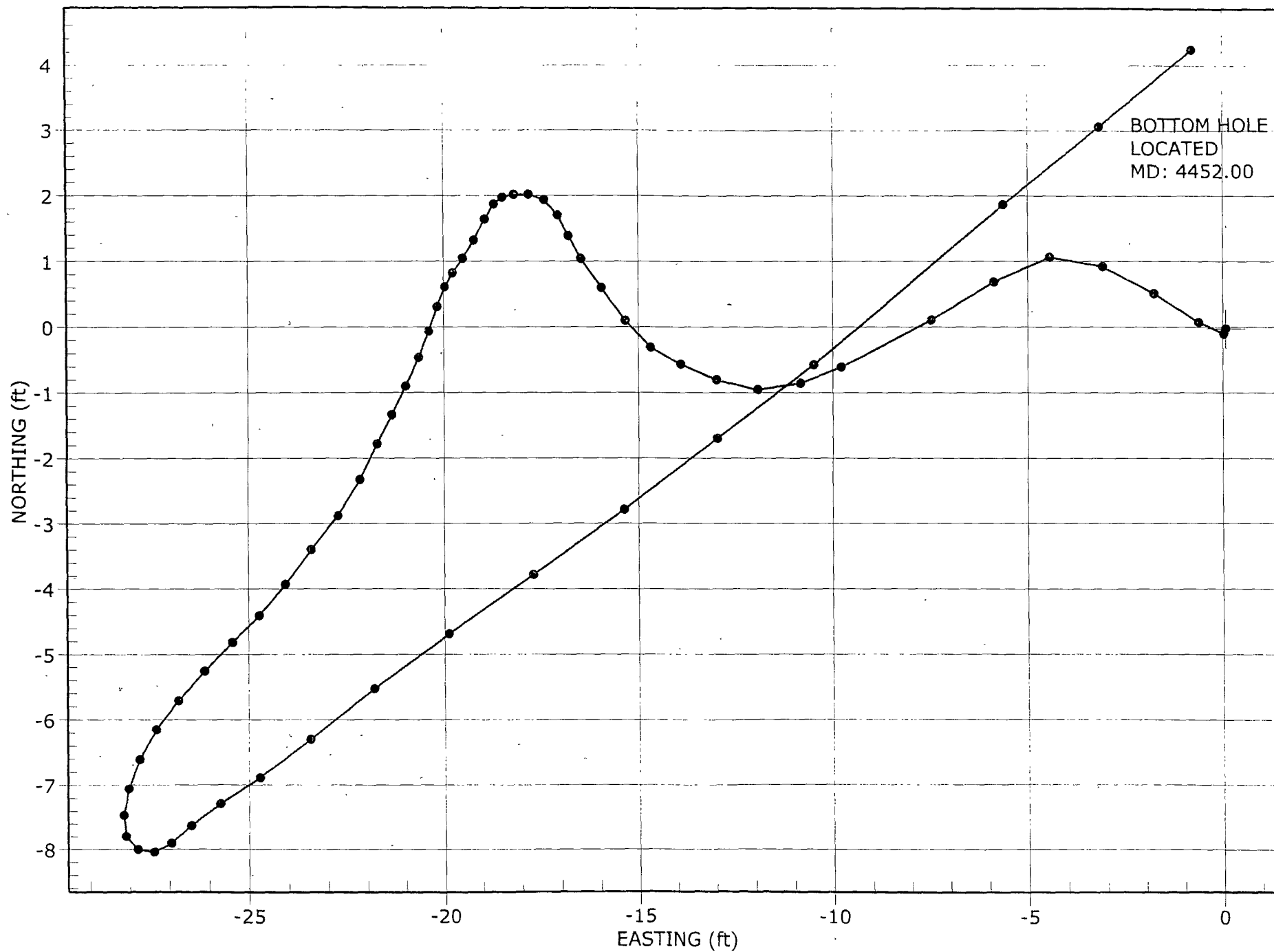
Job Number: MD0207G_136

MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
3198.00	0.53	216.20	S 36 12 W	0.24	3197.80	28.5 256.6	6.61 S 27.75 W
3260.70	0.44	205.62	S 25 37 W	0.20	3260.49	28.9 255.9	7.06 S 28.03 W
3323.40	0.34	187.02	S 7 1 W	0.26	3323.19	29.1 255.1	7.47 S 28.16 W
3386.10	0.30	149.97	S 30 2 E	0.33	3385.89	29.2 254.5	7.80 S 28.10 W
3448.80	0.40	106.70	S 73 18 E	0.44	3448.59	28.9 253.9	8.00 S 27.81 W
3511.50	0.39	83.72	N 83 43 E	0.25	3511.29	28.5 253.6	8.04 S 27.39 W
3574.20	0.46	62.80	N 62 48 E	0.27	3573.99	28.1 253.7	7.90 S 26.95 W
3636.90	0.59	60.86	N 60 52 E	0.22	3636.68	27.5 253.9	7.63 S 26.45 W
3699.60	0.88	67.84	N 67 50 E	0.47	3699.38	26.7 254.2	7.29 S 25.72 W
3762.30	1.09	67.51	N 67 30 E	0.35	3762.07	25.7 254.4	6.89 S 24.73 W
3825.00	1.48	63.74	N 63 44 E	0.63	3824.75	24.3 255.0	6.30 S 23.45 W
3887.70	1.82	65.59	N 65 35 E	0.56	3887.43	22.5 255.8	5.53 S 21.82 W
3950.40	2.05	67.65	N 67 39 E	0.38	3950.09	20.4 256.7	4.69 S 19.87 W
4013.10	2.25	67.26	N 67 16 E	0.32	4012.75	18.1 257.9	3.79 S 17.70 W
4075.80	2.38	66.21	N 66 12 E	0.22	4075.40	15.6 259.7	2.79 S 15.38 W
4138.50	2.47	65.25	N 65 15 E	0.15	4138.04	13.1 262.5	1.70 S 12.96 W
4138.50	2.47	67.34	N 67 20 E	0.00	4138.04	13.1 262.5	1.70 S 12.96 W
4201.20	2.49	63.76	N 63 46 E	0.25	4200.68	10.5 266.9	0.57 S 10.49 W
4326.60	2.48	63.12	N 63 7 E	0.02	4325.96	5.9 288.3	1.86 N 5.62 W
4389.30	2.47	64.29	N 64 17 E	0.08	4388.61	4.4 313.8	3.06 N 3.19 W
4452.00	2.43	63.03	N 63 2 E	0.11	4451.25	4.3 349.5	4.25 N 0.79 W

Final Station Closure: Distance: 4.32 ft Az: 349.51 deg.

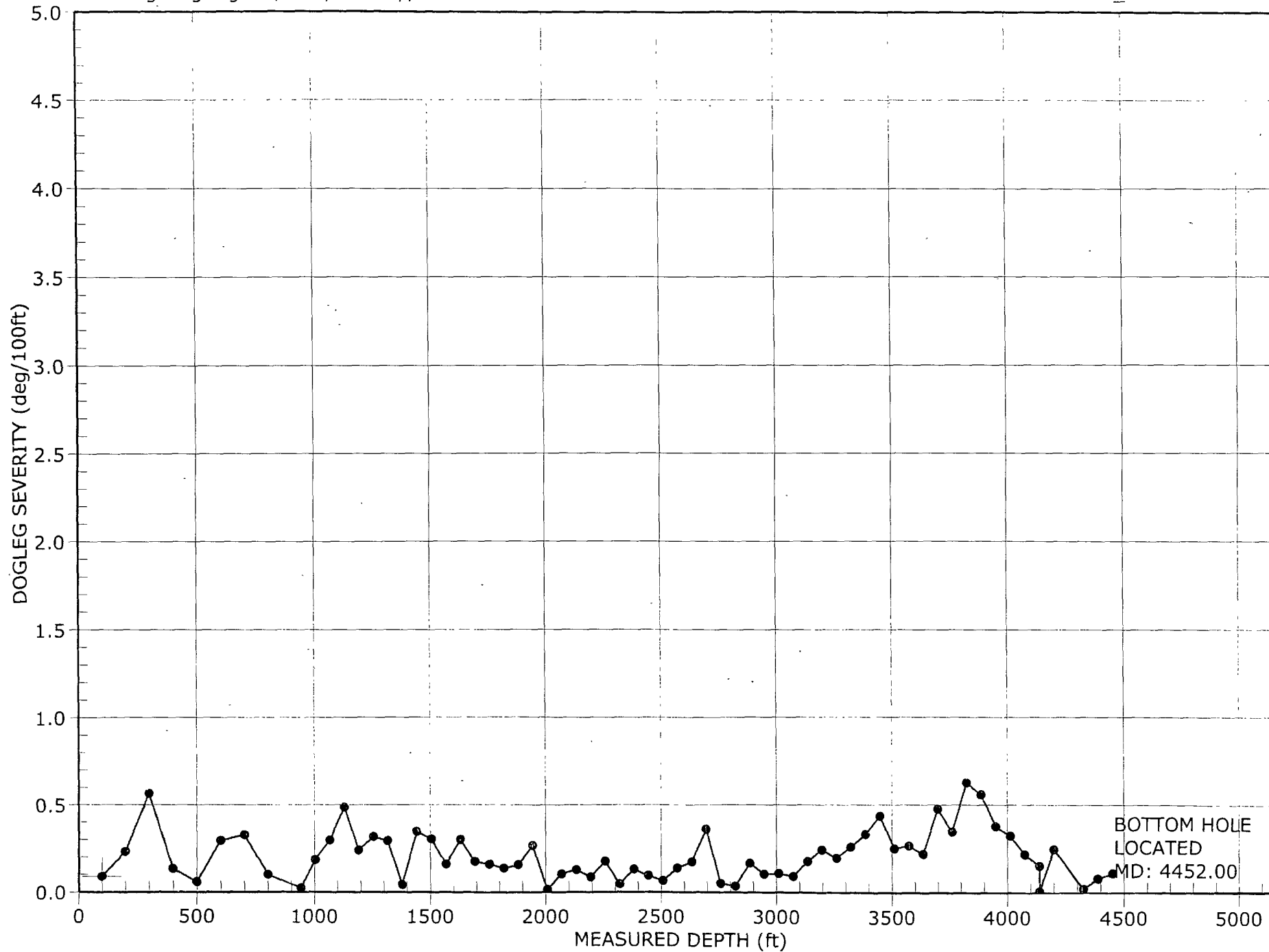
LCX Energy
Well: Big Dog State No. 201 4-1/2" Drillpipe
Location: Big Dog Rig #9, Eddy County, New Mexico

Outrun
Gyrodata
MD0207G_136 DEFINITIVE



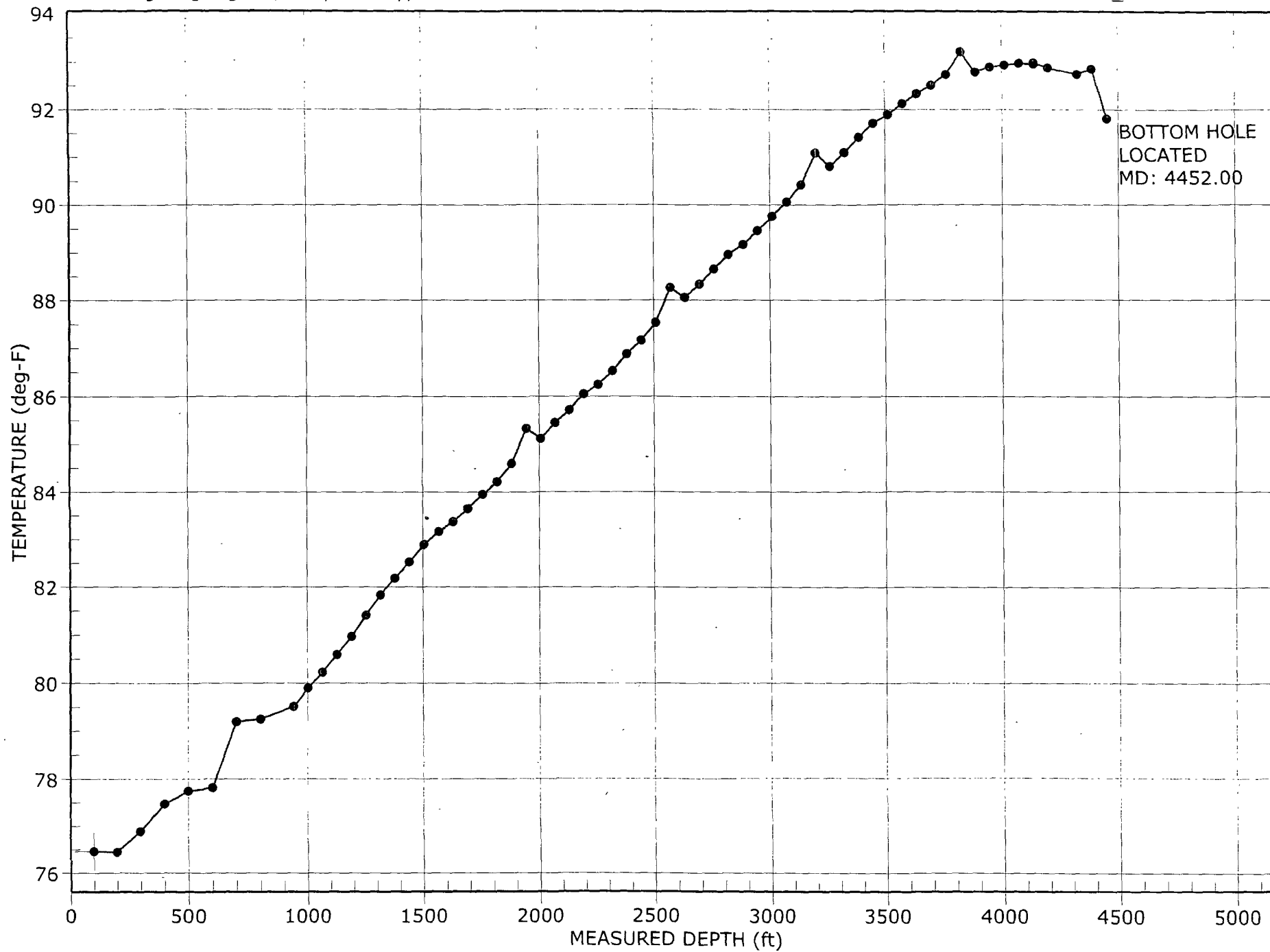
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Outrun
Gyrodata
MD0207G_136 DEFINITIVE



LCX Energy
Well: Big Dog State No. 201 4-1/2" Drillpipe
Location: Big Dog Rig #9, Eddy County, New Mexico

Outrun
Gyrodata
MD0207G_136 DEFINITIVE



Survey Report

Report Date: March 14, 2007	Survey / DLS Computation Method: Minimum Curvature / Lubinski
Client: LCX Energy	Vertical Section Azimuth: 180.000°
Field: Eddy County, NM Nad 83	Vertical Section Origin: N 0.000 ft, E 0.000 ft
Structure / Slot: Big Dog State Unit #201 / Big Dog State Unit #201	TVD Reference Datum: RKB
Well: Big Dog State Unit #201	TVD Reference Elevation: 0.0 ft relative to
Borehole: Big Dog State Unit #201	Sea Bed / Ground Level Elevation: 0.000 ft relative to
UWI/API#:	Magnetic Declination: 8.645°
Survey Name / Date: Big Dog State Unit #201_surveys / March 1, 2007	Total Field Strength: 49279.868 nT
Tort / AHD / DDI / ERD ratio: 150.564° / 3996.63 ft / 6.040 / 0.896	Magnetic Dip: 60.589°
Grid Coordinate System: NAD83 New Mexico State Planes, Eastern Zone, US Feet	Declination Date: March 01, 2007
Location Lat/Long: N 32 45 37.080, W 104 42 57.240	Magnetic Declination Model: IGRF 2005
Location Grid N/E Y/X: N 640541.520 RUS, E 423735.050 RUS	North Reference: Grid North
Grid Convergence Angle: -0.20701885°	Total Corr Mag North -> Grid North: -8.852°
Grid Scale Factor: 0.99992493	Local Coordinates Referenced To: Well Head

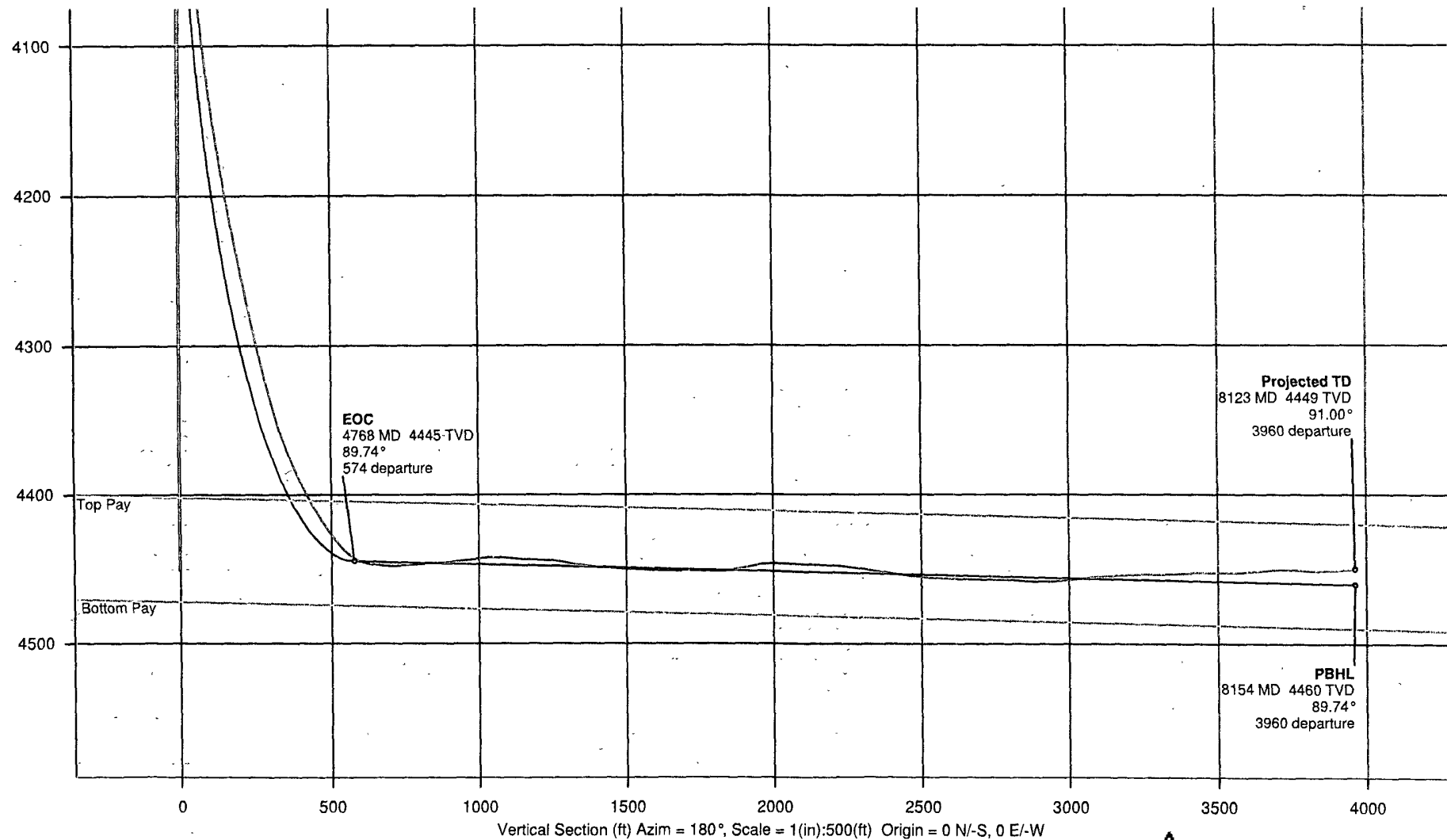
Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Mag / Grav Tool Face (deg)	Build Rate (deg/100 ft)
ie-In	3762.30	1.09	67.51	3762.07	6.89	-6.89	-24.73	25.67	254.44	0.35	111.90M	0.3
	3824.00	1.40	111.90	3823.76	6.94	-6.94	-23.48	24.49	253.53	1.59	147.40M	0.5
	3855.00	3.20	147.40	3854.73	7.81	-7.81	-22.67	23.97	250.98	7.14	158.30M	5.8
	3886.00	6.30	158.30	3885.62	10.12	-10.12	-21.57	23.83	244.86	10.37	11.29R	10.0
	3918.00	10.40	162.80	3917.28	14.51	-14.51	-20.07	24.77	234.12	12.96	3.56L	12.8
	3949.00	14.40	161.80	3947.55	20.85	-20.85	-18.04	27.57	220.86	12.92	3.60R	12.9
	3980.00	17.80	162.50	3977.33	29.03	-29.03	-15.41	32.87	207.95	10.99	19.53R	10.9
	4012.00	20.60	165.30	4007.54	39.15	-39.15	-12.51	41.10	197.72	9.21	13.18R	8.7
	4043.00	23.70	167.10	4036.25	50.50	-50.50	-9.73	51.43	190.91	10.24	3.27R	10.0
	4072.00	26.00	167.40	4062.57	62.38	-62.38	-7.04	62.78	186.44	7.94	31.36R	7.9
	4103.00	28.20	170.20	4090.16	76.23	-76.23	-4.31	76.36	183.24	8.20	29.16R	7.1
	4133.00	30.80	173.00	4116.27	90.85	-90.85	-2.17	90.87	181.37	9.81	10.06R	8.6
	4164.00	34.30	174.10	4142.40	107.42	-107.42	-0.30	107.42	180.16	11.45	3.09R	11.2
	4193.00	37.70	174.40	4165.86	124.37	-124.37	1.40	124.38	179.35	11.74	25.13R	11.7
	4221.00	39.90	176.00	4187.68	141.86	-141.86	2.86	141.89	178.84	8.63	7.15R	7.8
	4252.00	42.60	176.50	4210.98	162.25	-162.25	4.20	162.30	178.52	8.77	16.75R	8.7
	4283.00	45.20	177.60	4233.32	183.72	-183.72	5.30	183.79	178.35	8.74	HS	8.3
	4314.00	45.70	177.60	4255.07	205.79	-205.79	6.22	205.88	178.27	1.61	90.00R	1.6
	4343.00	45.70	178.30	4275.32	226.53	-226.53	6.97	226.64	178.24	1.73	19.61R	0.0
	4374.00	48.00	179.40	4296.52	249.14	-249.14	7.42	249.25	178.29	7.86	10.62R	7.4
	4404.00	50.90	180.10	4316.02	271.93	-271.93	7.51	272.04	178.42	9.83	HS	9.6
	4435.00	53.70	180.10	4334.98	296.46	-296.46	7.47	296.55	178.56	9.03	HS	9.0
	4465.00	57.50	180.10	4351.92	321.21	-321.21	7.43	321.29	178.68	12.67	HS	12.6
	4495.00	61.40	180.10	4367.17	347.04	-347.04	7.38	347.11	178.78	13.00	10.28R	13.0
	4526.00	64.90	180.80	4381.17	374.69	-374.69	7.16	374.76	178.90	11.47	6.86R	11.2
	4557.00	67.20	181.10	4393.75	403.01	-403.01	6.69	403.07	179.05	7.47	15.93R	7.4
	4587.00	69.50	181.80	4404.82	430.89	-430.89	5.98	430.93	179.20	7.97	26.47R	7.6
	4618.00	71.60	182.90	4415.14	460.09	-460.09	4.78	460.12	179.40	7.56	18.57R	6.7
	4649.00	73.60	183.60	4424.41	489.62	-489.62	3.11	489.63	179.64	6.80	15.81R	6.4
	4680.00	76.00	184.30	4432.54	519.46	-519.46	1.05	519.47	179.88	8.04	HS	7.7
	4709.00	79.40	184.30	4438.72	547.71	-547.71	-1.08	547.72	180.11	11.72	4.26R	11.7
	4740.00	83.40	184.60	4443.35	578.27	-578.27	-3.46	578.28	180.34	12.94	5.85R	12.9
	4771.00	87.30	185.00	4445.86	609.05	-609.05	-6.04	609.08	180.57	12.65	HS	12.5
	4799.00	88.50	185.00	4446.89	636.93	-636.93	-8.48	636.98	180.76	4.29	60.26L	4.2
	4830.00	88.90	184.30	4447.59	667.82	-667.82	-10.99	667.91	180.94	2.60	53.98L	1.2
	4861.00	89.70	183.20	4447.97	698.75	-698.75	-13.02	698.87	181.07	4.39	47.12L	2.5
	4891.00	91.00	181.80	4447.79	728.72	-728.72	-14.33	728.86	181.13	6.37	98.12L	4.3
	4923.00	90.80	180.40	4447.28	760.70	-760.70	-14.94	760.85	181.13	4.42	56.30L	-0.6

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Mag / Grav Tool Face (deg)	Build Rat (deg/100 ft)
	4953.00	91.00	180.10	4446.81	790.70	-790.70	-15.07	790.84	181.09	1.20	109.98L	0.00
	4986.00	90.60	179.00	4446.35	823.70	-823.70	-14.82	823.83	181.03	3.55	---	-1.10
	5017.00	90.60	179.00	4446.03	854.69	-854.69	-14.27	854.81	180.96	0.00	44.99R	0.00
	5049.00	91.00	179.40	4445.58	886.68	-886.68	-13.83	886.79	180.89	1.77	38.65L	1.10
	5080.00	91.50	179.00	4444.91	917.67	-917.67	-13.39	917.77	180.84	2.07	143.13L	1.10
	5111.00	91.10	178.70	4444.20	948.66	-948.66	-12.77	948.74	180.77	1.61	63.42L	-1.10
	5143.00	91.30	178.30	4443.53	980.64	-980.64	-11.94	980.71	180.70	1.40	44.99R	0.00
	5175.00	91.70	178.70	4442.69	1012.62	-1012.62	-11.10	1012.68	180.63	1.77	LS	1.20
	5206.00	90.40	178.70	4442.13	1043.60	-1043.60	-10.39	1043.66	180.57	4.19	LS	-4.10
	5238.00	89.20	178.70	4442.24	1075.60	-1075.60	-9.67	1075.64	180.52	3.75	90.00R	-3.70
	5267.00	89.20	179.40	4442.64	1104.59	-1104.59	-9.19	1104.63	180.48	2.41	---	0.00
	5298.00	89.20	179.40	4443.08	1135.58	-1135.58	-8.86	1135.62	180.45	0.00	79.70L	0.00
	5330.00	89.40	178.30	4443.47	1167.57	-1167.57	-8.22	1167.60	180.40	3.49	74.06R	0.60
	5362.00	89.60	179.00	4443.75	1199.56	-1199.56	-7.47	1199.59	180.36	2.27	123.69L	0.60
	5393.00	89.40	178.70	4444.02	1230.56	-1230.56	-6.85	1230.58	180.32	1.16	LS	-0.60
	5456.00	87.60	178.70	4445.67	1293.52	-1293.52	-5.42	1293.53	180.24	2.86	16.70R	-2.80
	5519.00	88.60	179.00	4447.75	1356.47	-1356.47	-4.15	1356.47	180.18	1.66	HS	1.50
	5582.00	89.40	179.00	4448.85	1419.45	-1419.45	-3.05	1419.45	180.12	1.27	---	1.20
	5645.00	89.40	179.00	4449.51	1482.43	-1482.43	-1.95	1482.44	180.08	0.00	90.00R	0.00
	5708.00	89.40	180.10	4450.17	1545.43	-1545.43	-1.46	1545.43	180.05	1.75	78.69R	0.00
	5771.00	89.60	181.10	4450.72	1608.42	-1608.42	-2.12	1608.42	180.08	1.62	45.00L	0.30
	5835.00	90.30	180.40	4450.78	1672.42	-1672.42	-2.96	1672.42	180.10	1.55	LS	1.00
	5898.00	89.70	180.40	4450.78	1735.41	-1735.41	-3.40	1735.42	180.11	0.95	98.13L	-0.90
	5961.00	89.60	179.70	4451.16	1798.41	-1798.41	-3.45	1798.42	180.11	1.12	HS	-0.10
	6025.00	92.00	179.70	4450.27	1862.40	-1862.40	-3.12	1862.40	180.10	3.75	44.97R	3.70
	6088.00	92.40	180.10	4447.85	1925.35	-1925.35	-3.01	1925.36	180.09	0.90	170.54R	0.60
	6150.00	90.60	180.40	4446.23	1987.33	-1987.33	-3.28	1987.33	180.09	2.94	161.56R	-2.90
	6214.00	89.40	180.80	4446.23	2051.32	-2051.32	-3.95	2051.33	180.11	1.98	HS	-1.80
	6277.00	89.60	180.80	4446.78	2114.32	-2114.32	-4.83	2114.32	180.13	0.32	---	0.30

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Mag / Grav Tool Face (deg)	Build Rat (deg/100 f
	7917.00	89.20	179.70	4450.08	3753.91	-3753.91	-23.59	3753.98	180.36	2.62	30.96L	-2.1
	7981.00	89.70	179.40	4450.69	3817.90	-3817.90	-23.09	3817.97	180.35	0.91	37.87R	0.1
	8044.00	90.60	180.10	4450.53	3880.90	-3880.90	-22.81	3880.97	180.34	1.81	44.99L	1.4
Projected TD	8123.00	91.00	179.70	4449.43	3959.89	-3959.89	-22.68	3959.96	180.33	0.72	---	0.5

LCX Energy

WELL				Big Dog State Unit #201				FIELD				Eddy County, NM Nad 83				STRUCTURE				Big Dog State Unit #201											
Magnetic Parameters				Surface Location				NAD83 New Mexico State Planes, Eastern Zone, US Feet				Miscellaneous																			
Model		IGRF 2005		Dip		60.589°		Date		March 01 2007		Lat		N32 45 37.080		Northing		640541.52 RLUS		Grid Conv		-0.20701685*		Shot		Big Dog State Unit #201		TVD Ref		RKB (0.00 ft above)	
				Mag Dec		+8.645°		FS		49279.9 nT		Lon		W104 42 57.240		Easting		423735.05 RLUS		Scale Fact		0.9999249289		Plan		Big Dog State Unit #201 surveys		Srvy Date		March 01, 2007	

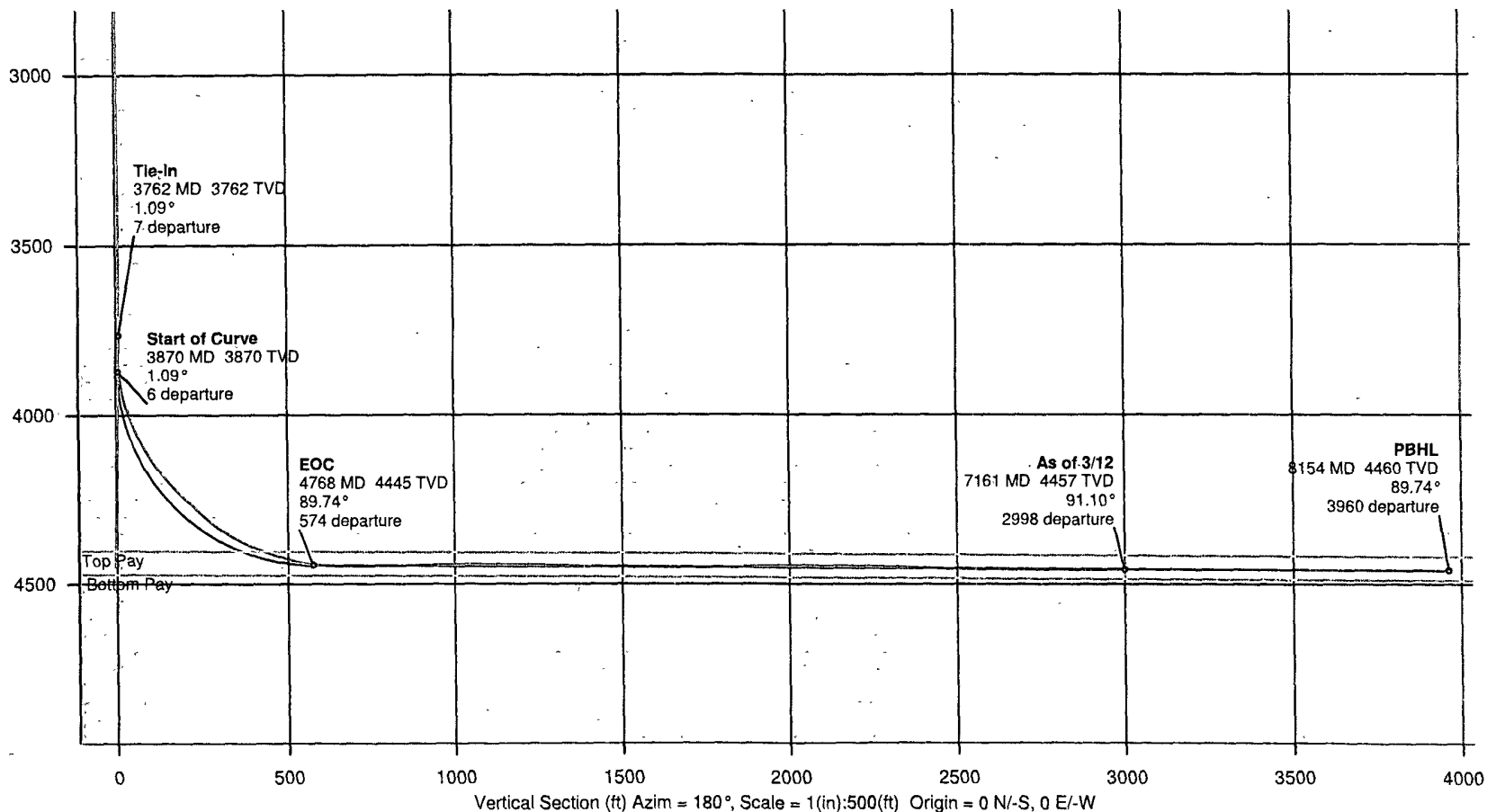


INTREPID
Directional Drilling Specialists



LCX Energy

WELL Big Dog State Unit #201	FIELD Eddy County, NM Nad 83	STRUCTURE Big Dog State Unit #201
Magnetic Parameters Model IGRF 2005 Dip 60.589° Mag Dec +8.645°	Surface Location Lat N32 45 37.080 Lon W104 42 57.240 Northing 840541.52 RUS Easting 423735.05 RUS	Miscellaneous Slot Big Dog State Unit #201 Plan Big Dog State Unit #201_surveys TVD Ref RKB (0.00 ft above) Srvy Date March 01, 2007



LCX Energy

WELL Big Dog State Unit #201	FIELD Eddy County, NM Nad 83	STRUCTURE Big Dog State Unit #201
Magnetic Parameters Model IGRF 2005	Dip 60.589° Mag Dec +8.645° Date FS March 01, 2007 49279.9 nT	Surface Location Lat N32 45 37.080 Lon W104 42 57.240 Northing 640541.12 NUS Easting 423735.05 NUS NAD83 New Mexico State Planes, Eastern Zone, US Feet Grid Conv -0.207618851 Scale Fact 0.9999246289

Miscellaneous
Sht Big Dog State Unit #201
Plan Big Dog State Unit #201, sur
TVD Ref RKB (0.00 ft above)
Date March 01, 2007

