

District I
1625 N. French, 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



CONSERVATION DIVISION

220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO.

30-015-34856-34541

5. Indicate Type Of Lease

STATE ☒ FEE ☐

6. 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. ☐ OTHER ☐
WELL ☒ OVER ☐ BACK ☐ RESVR. ☐

2. Name of Operator

LCX Energy, LLC

3. Address of Operator

110 N. Marienfeld St. Suite 200, Midland, TX 79701

7. Lease Name or Unit Agreement Name

1625 STATE

8. Well No.

191

9. Pool name or Wildcat

COTTONWOOD CREEK - WOLFCAMP

4. Well Location

Unit Letter 0 : 660 Feet From The SOUTH Line and 1880 Feet From The EAST Line

Section 19 Township 16S Range 25E NMPM EDDY County

10. Date Spudded

11/16/06

11. Date T.D. Reached

12/13/06

12. Date Compl. (Ready to Prod.)

03/05/07

13. Elevations (DF & RKB, RT, GR, etc.)

3584' GR

14. Elev. Casinghead

15. Total Depth

8647'

16. Plug Back T.D.

8615'

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By

Rotary Tools

X

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name

8600' - 4980'

20. Was Directional Survey Made

YES

21. Type Electric and Other Logs Run

CNL DENSITY GR

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#	1345'	12 1/4" & 17 1/2"	500 CL C/H	
5 1/2"	17#	8647'	8 3/4" & 7 7/8"	1170 50/500 POZ	
				360 PVL	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8"	4792'	4792'

25. TUBING RECORD

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

8600' - 7725' 50 SHOTS, 7505' - 6850' 50 SHOTS,
6630' - 5975' 50 SHOTS, 5755' - 4980' 50 SHOTS,
0.4" HOLES

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4980' - 8600'	714 BBLS 15% HCL, 3980 BBLS SLK
BRNE WTR, 5184 BB	LS SLK F/W, 8000# 20/40 SD, 43951#
LTE PROP 125	20/40 SD, 252 TONS CO2.

28. PRODUCTION

Date First Production 03/06/07		Production Method (Flowing, gas lift, pumping - Size and type pump) FLOWING					Well Status (Prod. or Shut-in) PRODUCING	
Date of Test 03/07/07	Hours Tested 24	Choke Size 32/64	Prod'n For Test Period	Oil - Bbl. 0	Gas - MCF 2265	Water - Bbl. 0	Gas - Oil Ratio 0	
Flow Tubing Press. 650 PSIG	Casing Pressure	Calculated 24- Hour Rate	Oil - Bbl. 0	Gas - MCF 2265	Water - Bbl. 0	Oil Gravity - API -(Corr.)		

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

SOLD

Test Witnessed By

BILLY WALKER

30. List Attachments

LOGS

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

Signature

Kanicia Carrillo

Printed Name

KANICIA CARRILLO

Title REGULATORY ANALYST Date 03/14/07

E-mail address

KANICIA@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		Northeastern 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 546'	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta 1738'	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T. Tubb 3272'	T. Delaware Sand	T. Todilto	T.
T. Drinkard	T. Bone Springs	T. Entrada	T.
T. Abo 3806'	T.	T. Wingate	T.
T. Wolfcamp 4786'		T. Chinle	T.
T. Penn	T.	T. Permain	T.
T. Cisco (Bough C)	T.	T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from to
No. 2, from to

No. 3, 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
			SEE ATTACHMENT

From	To	Thickness in Feet	Lithology

1625 STATE #191 LITHOLOGY RECORD



S

<u>FROM</u>	<u>TO</u>	<u>THICKNESS IN FEET</u>	<u>LITHOLOGY</u>
1200	1470	270	ANHYDRITE/DOLOMITE
1470	1800	330	DOLOMITE/LIMESTONE
1800	1840	40	DOLOMITE/LIMESTONE/SAND
1840	2120	280	ANHYDRITE/DOLOMITE
2120	2140	20	DOLOMITE
2140	2210	70	ANHYDRITE/DOLOMITE
2210	2280	70	ANHYDRITE/DOLOMITE/LIMESTONE
2280	2420	140	DOLOMITE/SAND/LIMESTONE
2420	2680	240	DOLOMITE/ANHYDRITE/SAND/LIMESTONE
2680	2830	150	DOLOMITE/SAND/SHALE/SILT
2380	2880	500	ANHYDRITE/DOLOMITE/LIMESTONE
2880	3000	120	ANHYDRITE/DOLOMITE
3000	3160	160	DOLOMITE/LIMESTONE/SHALE
3160	3440	280	ANHYDRITE/DOLOMITE/LIMESTONE/SAND/SHALE
3440	4360	920	ANHYDRITE/DOLOMITE/SHALE/LIMESTONE
4360	5090	730	DOLOMITE
5090	6620	1530	DOLOMITE/LIME
6620	8650	2030	DOLOMITE

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State of New Mexico
Energy, Minerals & Natural Resources

Form C-102
Revised June 10, 2003

S

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

Month - Year
MAR 19 2007
OCD - ARTESIA, NM

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Num--- 30-015-34541	² Pool Code 75250	³ Pool Name Cottonwood Creek-Wolfcamp
⁴ Property Code 34222	⁵ Property Name 1625 State	⁶ Well Number 191
⁷ OGRID No. 218885	⁸ Operator Name LCX Energy, LLC	⁹ Elevation 3584

¹⁰ Surface Location

UL or lot no. 0	Section 19	Township 16S	Range 25E	Lot. Idn	Feet from the 660	North/South line South	Feet from the 1880	East/West line East	County Eddy
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. 6	Section 19	Township 16S	Range 25E	Lot. Idn	Feet from the 659	North/South line North	Feet from the 1885	East/West line East	County Eddy
¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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

¹⁶			661' BHL			¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature Kanicia Carrillo Printed Name Regulatory, kanicia@eeronline.com Title and E-mail Address 03/14/07 Date ¹⁸ 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. Date of Survey Signature and Seal of Professional Surveyer: Certificate Number
			837'	AP SL 660'	1900' 1880'	



Survey Report

INTREPID
 Directional Drilling Specialists

Report Date: December 12, 2006	Survey / DLS Computation Method: Minimum Curvature / Lubinski
Client: LCX Energy LLC.	Vertical Section Azimuth: 0.180°
Field: Eddy County, NM Nad 83	Vertical Section Origin: N 0.000 ft, E 0.000 ft
Structure / Slot: 1625 State #191 / 1625 State #191	TVD Reference Datum: RKB
Well: 1625 State #191	TVD Reference Elevation: 0.0 ft relative to
Borehole: 1625 State #191	Sea Bed / Ground Level Elevation: 0.000 ft relative to
UWI/API#:	Magnetic Declination: 8.601°
Survey Name / Date: 1625 State #191_surveys / December 4, 2006	Total Field Strength: 49413.155 nT
Tort / AHD / DDI / ERD ratio: 142.517° / 4068.89 ft / 6.012 / 0.834	Magnetic Dip: 60.762°
Grid Coordinate System: NAD83 New Mexico State Planes, Eastern Zone, US Feet	Declination Date: December 04, 2006
Location Lat/Long: N 32 54 11.041, W 104 31 20.453	Magnetic Declination Model: IGRF 2005
Location Grid N/E Y/X: N 692322.000 ftUS, E 483326.700 ftUS	North Reference: Grid North
Grid Convergence Angle: -0.10267672°	Total Corr Mag North -> Grid North: +8.704°
Grid Scale Factor: 0.99991294	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)
ie-In	4217.00	0.90	102.71	4216.36	-34.28	-34.34	19.42	39.45	150.51	0.39
	4353.00	2.40	23.20	4352.31	-31.89	-31.95	21.59	38.56	145.96	1.77
	4384.00	5.10	6.10	4383.24	-29.92	-29.99	21.99	37.19	143.75	9.33
	4415.00	8.60	1.30	4414.01	-26.23	-26.30	22.19	34.41	139.85	11.43
	4447.00	12.10	0.50	4445.49	-20.48	-20.55	22.27	30.30	132.70	10.95
	4478.00	15.50	0.80	4475.59	-13.09	-13.16	22.36	25.94	120.48	10.97
	4509.00	18.90	1.40	4505.20	-3.92	-3.99	22.54	22.89	100.05	10.98
	4540.00	22.40	0.60	4534.20	7.01	6.93	22.72	23.76	73.03	11.33
	4572.00	25.80	359.20	4563.41	20.07	20.00	22.69	30.24	48.61	10.77
	4603.00	29.50	358.20	4590.86	34.45	34.38	22.36	41.01	33.04	12.03
	4634.00	32.80	358.20	4617.39	50.47	50.40	21.85	54.94	23.44	10.65
	4665.00	36.70	358.50	4642.86	68.13	68.06	21.35	71.33	17.41	12.59
	4697.00	40.30	358.60	4667.90	88.04	87.97	20.84	90.41	13.33	11.25
	4728.00	43.10	359.10	4691.04	108.65	108.59	20.43	110.49	10.66	9.10
	4758.00	45.70	359.40	4712.47	129.64	129.57	20.16	131.13	8.84	8.69
	4790.00	48.60	359.40	4734.23	153.09	153.03	19.91	154.32	7.41	9.06
	4821.00	51.60	359.60	4754.11	176.87	176.81	19.70	177.90	6.36	9.69
	4852.00	54.20	359.70	4772.81	201.59	201.53	19.55	202.48	5.54	8.39
	4884.00	56.40	0.00	4791.03	227.90	227.84	19.49	228.67	4.89	6.92
	4915.00	57.80	0.60	4807.87	253.93	253.87	19.62	254.62	4.42	4.80
	4947.00	61.60	1.20	4824.01	281.55	281.49	20.06	282.20	4.08	11.98
	4978.00	65.80	1.60	4837.74	309.33	309.26	20.74	309.96	3.84	13.60
	5009.00	69.30	1.60	4849.58	337.96	337.90	21.54	338.58	3.65	11.29
	5040.00	73.30	1.30	4859.51	367.31	367.25	22.28	367.92	3.47	12.94
	5072.00	77.30	1.40	4867.63	398.25	398.18	23.01	398.85	3.31	12.50
	5102.00	81.10	1.40	4873.25	427.71	427.64	23.73	428.30	3.18	12.67
	5133.00	85.40	1.80	4876.90	458.48	458.40	24.59	459.06	3.07	13.93
	5164.00	89.70	1.80	4878.22	489.43	489.35	25.56	490.02	2.99	13.87
	5196.00	91.60	2.10	4877.86	521.41	521.33	26.65	522.01	2.93	6.01
	5227.00	91.20	2.30	4877.10	552.38	552.30	27.84	553.00	2.89	1.44
	5290.00	91.50	0.60	4875.62	615.35	615.26	29.44	615.96	2.74	2.74
	5352.00	92.50	0.50	4873.45	677.31	677.22	30.03	677.88	2.54	1.62
	5415.00	93.10	0.40	4870.37	740.23	740.14	30.53	740.77	2.36	0.97
	5478.00	92.30	359.70	4867.41	803.16	803.07	30.58	803.65	2.18	1.69
	5541.00	92.70	359.70	4864.66	866.10	866.01	30.25	866.54	2.00	0.63
	5603.00	93.20	359.10	4861.47	928.01	927.92	29.60	928.39	1.83	1.26
	5666.00	93.00	358.40	4858.06	990.90	990.81	28.23	991.22	1.63	1.15
	5729.00	92.80	357.80	4854.87	1053.78	1053.70	26.14	1054.02	1.42	1.00

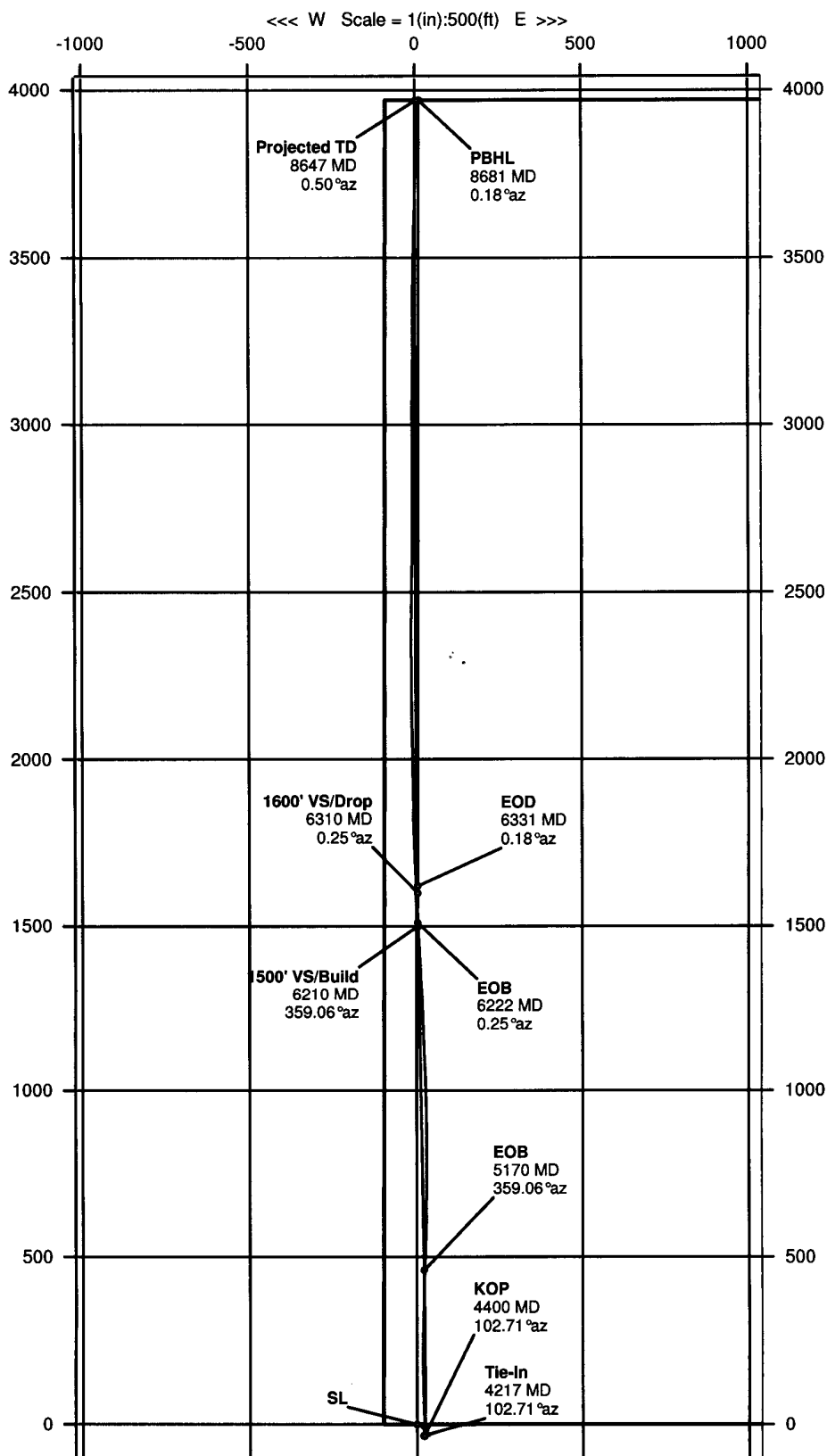
Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)
	5791.00	91.80	358.20	4852.39	1115.68	1115.61	23.98	1115.87	1.23	1.74
	5853.00	91.80	357.60	4850.44	1177.60	1177.54	21.71	1177.74	1.06	0.97
	5916.00	92.70	358.10	4847.96	1240.50	1240.44	19.35	1240.59	0.89	1.63
	5979.00	92.20	357.10	4845.27	1303.38	1303.33	16.71	1303.44	0.73	1.77
	6041.00	91.90	356.70	4843.05	1365.23	1365.20	13.36	1365.27	0.56	0.81
	6103.00	91.90	357.30	4841.00	1427.11	1427.08	10.12	1427.12	0.41	0.97
	6166.00	91.90	357.50	4838.91	1490.00	1489.98	7.26	1490.00	0.28	0.32
	6227.00	92.40	357.50	4836.62	1550.89	1550.88	4.60	1550.89	0.17	0.82
	6290.00	92.40	356.40	4833.98	1613.73	1613.73	1.26	1613.73	0.04	1.74
	6354.00	92.10	357.50	4831.47	1677.58	1677.59	-2.15	1677.59	359.93	1.78
	6418.00	92.30	357.70	4829.01	1741.47	1741.49	-4.82	1741.50	359.84	0.44
	6482.00	91.30	359.10	4827.00	1805.40	1805.43	-6.61	1805.44	359.79	2.69
	6545.00	90.20	359.50	4826.18	1868.39	1868.42	-7.38	1868.43	359.77	1.86
	6609.00	89.60	358.80	4826.29	1932.38	1932.41	-8.33	1932.43	359.75	1.44
	6672.00	89.50	359.10	4826.78	1995.36	1995.40	-9.48	1995.42	359.73	0.50
	6737.00	88.80	359.20	4827.75	2060.34	2060.38	-10.45	2060.41	359.71	1.09
	6800.00	88.70	359.40	4829.12	2123.32	2123.36	-11.22	2123.39	359.70	0.35
	6864.00	88.60	359.50	4830.63	2187.30	2187.34	-11.83	2187.38	359.69	0.22
	6927.00	89.00	359.80	4831.95	2250.28	2250.33	-12.22	2250.36	359.69	0.79
	6991.00	90.10	359.50	4832.45	2314.27	2314.32	-12.61	2314.36	359.69	1.78
	7054.00	90.30	0.10	4832.23	2377.27	2377.32	-12.83	2377.36	359.69	1.00
	7118.00	91.20	1.10	4831.40	2441.26	2441.31	-12.16	2441.34	359.71	2.10
	7182.00	91.20	0.50	4830.06	2505.24	2505.29	-11.26	2505.32	359.74	0.94
	7246.00	90.80	1.30	4828.94	2569.23	2569.27	-10.26	2569.29	359.77	1.40
	7309.00	90.70	0.80	4828.11	2632.22	2632.26	-9.10	2632.27	359.80	0.81
	7373.00	89.60	0.20	4827.95	2696.21	2696.25	-8.55	2696.27	359.82	1.96
	7437.00	89.20	359.80	4828.62	2760.21	2760.25	-8.55	2760.26	359.82	0.88
	7500.00	89.10	359.90	4829.55	2823.20	2823.24	-8.71	2823.26	359.82	0.22
	7564.00	89.70	359.90	4830.22	2887.20	2887.24	-8.82	2887.25	359.82	0.94
	7628.00	90.80	359.90	4829.94	2951.20	2951.24	-8.93	2951.25	359.83	1.72
	7692.00	91.30	0.10	4828.77	3015.18	3015.23	-8.93	3015.24	359.83	0.84
	7756.00	92.10	1.20	4826.87	3079.15	3079.19	-8.21	3079.20	359.85	2.12
	7820.00	90.10	0.50	4825.64	3143.13	3143.17	-7.26	3143.18	359.87	3.31
	7883.00	90.50	0.60	4825.31	3206.13	3206.17	-6.65	3206.17	359.88	0.65
	7947.00	90.00	359.60	4825.03	3270.13	3270.16	-6.54	3270.17	359.89	1.75
	8011.00	88.90	0.20	4825.65	3334.12	3334.16	-6.66	3334.17	359.89	1.96
	8074.00	89.40	0.60	4826.58	3397.12	3397.15	-6.22	3397.16	359.90	1.02
	8138.00	90.10	1.00	4826.86	3461.11	3461.14	-5.32	3461.15	359.91	1.26
	8201.00	90.60	1.30	4826.48	3524.10	3524.13	-4.06	3524.13	359.93	0.93
	8265.00	90.50	1.40	4825.86	3588.08	3588.11	-2.55	3588.11	359.96	0.22
	8329.00	90.90	1.70	4825.08	3652.06	3652.08	-0.82	3652.08	359.99	0.78
	8393.00	90.00	1.70	4824.58	3716.04	3716.05	1.08	3716.05	0.02	1.41
	8456.00	90.10	1.00	4824.52	3779.02	3779.03	2.56	3779.03	0.04	1.12
	8520.00	90.50	0.70	4824.19	3843.02	3843.02	3.51	3843.03	0.05	0.78
	8584.00	90.50	0.50	4823.63	3907.01	3907.02	4.18	3907.02	0.06	0.31
rejected TD	8647.00	90.50	0.50	4823.08	3970.01	3970.01	4.73	3970.02	0.07	0.00

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)
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LCX Energy LLC.

WELL	1625 State #191	FIELD	Eddy County, NM Nad 83	STRUCTURE	1625 State #191
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Magnetic Parameters	Dip: 60.762° Model: IGRF 2005 Mag Dec: +8.601°	Date: December 04, 2006 FS: 49413.2 nT	Surface Location	NAD83 New Mexico State Planes, Eastern Zone, US Feet	Miscellaneous
			List: N32 54 11.041 Lon: W104 31 20.453	Grid Conv: -0.10267872° Easting: 483326.70 NUS Scale Fact: 0.9999129445	Slot: 1625 State #191 Plan: 1625 State #191, surveys TVD Ref: RKB (0.00 ft above) Srvy Date: December 04, 2006



INTREPID
Directional Drilling Specialists



A Gyrodata Directional Survey

for

LCX ENERGY

Lease: 16-25 State Well: No. 191, 4-1/2 Drillpipe
Location: Big Dog 2, Eddy County, New Mexico

Job Number: MD1106G_322

Run Date: 25 Nov 2006

Surveyor: Thomas Bowden

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 32.902778 deg. N Longitude: 104.521389 deg. E

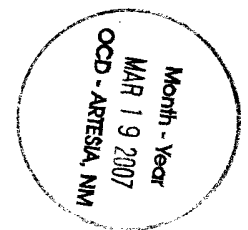
Azimuth Correction:

Gyro: 0.10000 deg East to Grid North

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Well Head Location



A Gyrodata Directional Survey

LCX Energy

Lease: 16-25 State Well: No. 191, 4-1/2 Drillpipe

Location: Big Dog 2, Eddy County, New Mexico

Job Number: MD1106G_322

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 TO 5025 FT. RATE GYROSCOPIC MULTISHOT SURVEY RUN INSIDE 4-1/2" DRILLPIPE							
ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO BIG DOG 2 R.K.B. (+1 7')							

200.00	0.31	320.66	N 39 20 W	0.16	200.00	0.5 320.7	0.42 N 0.35 W
400.00	0.13	54.59	N 54 36 E	0.17	400.00	1.1 332.9	0.98 N 0.50 W
600.00	1.19	96.65	S 83 21 E	0.55	599.98	2.0 63.5	0.87 N 1.76 E
800.00	2.23	132.26	S 47 44 E	0.72	799.90	7.0 106.5	1.98 S 6.70 E
833.89	2.20	126.86	S 53 8 E	0.62	833.76	8.2 110.1	2.81 S 7.71 E
1021.84	1.86	132.40	S 47 36 E	0.21	1021.59	14.7 118.7	7.04 S 12.86 E
1209.79	1.73	132.73	S 47 16 E	0.07	1209.45	20.4 122.7	11.03 S 17.20 E
1397.74	1.35	115.28	S 64 43 E	0.32	1397.33	25.4 123.1	13.90 S 21.29 E
1585.69	1.13	119.51	S 60 29 E	0.12	1585.24	29.5 122.3	15.76 S 24.91 E
1773.64	1.11	124.00	S 56 0 E	0.05	1773.15	33.2 122.3	17.70 S 28.04 E
1961.59	0.65	134.56	S 45 26 E	0.26	1961.08	36.0 122.7	19.46 S 30.30 E
2149.54	0.16	205.62	S 25 37 W	0.33	2149.02	37.1 123.4	20.44 S 30.94 E
2337.49	0.44	242.34	S 62 20 W	0.18	2336.97	36.8 124.8	21.01 S 30.19 E
2525.44	0.66	239.35	S 59 21 W	0.11	2524.91	36.0 127.4	21.89 S 28.62 E
2713.39	0.69	245.44	S 65 27 W	0.04	2712.85	35.2 130.7	22.91 S 26.66 E
2901.34	0.69	241.50	S 61 30 W	0.03	2900.79	34.3 134.1	23.92 S 24.64 E
3089.29	0.76	229.82	S 49 49 W	0.09	3088.72	34.0 138.1	25.26 S 22.70 E
3277.24	0.88	230.21	S 50 13 W	0.06	3276.65	34.0 142.6	26.99 S 20.64 E
3465.19	0.75	223.21	S 43 13 W	0.09	3464.58	34.3 147.0	28.80 S 18.69 E
3653.14	0.63	202.15	S 22 9 W	0.15	3652.52	35.3 150.3	30.66 S 17.46 E

A Gyrodata Directional Survey

LCX Energy

Lease: 16-25 State Well: No. 191, 4-1/2 Drillpipe

Location: Big Dog 2, Eddy County, New Mexico

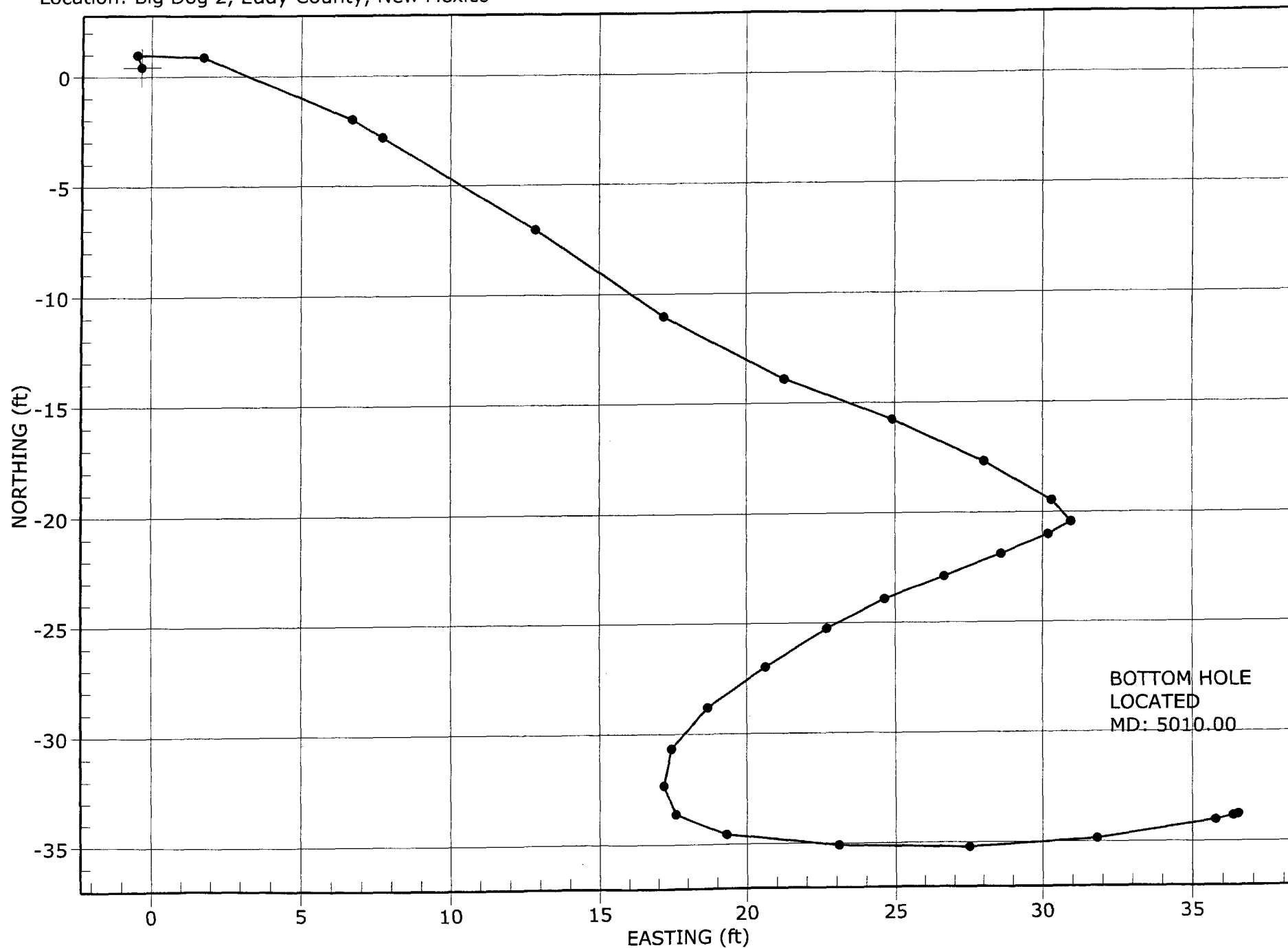
Job Number: MD1106G_322

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
3841.09	0.44	169.54	S 10 28 E	0.19	3840.46	36.6 152.0	32.33 S 17.20 E
4029.04	0.40	155.24	S 24 46 E	0.06	4028.41	38.0 152.4	33.63 S 17.61 E
4216.99	0.90	102.95	S 77 3 E	0.39	4216.35	39.6 150.8	34.56 S 19.32 E
4404.94	1.43	94.97	S 85 2 E	0.29	4404.26	42.0 146.7	35.10 S 23.09 E
4592.89	1.29	88.06	N 88 3 E	0.11	4592.15	44.7 142.0	35.23 S 27.53 E
4780.80	1.34	82.52	N 82 31 E	0.07	4780.01	47.2 137.6	34.87 S 31.81 E
4968.75	1.14	73.00	N 73 0 E	0.15	4967.92	49.4 133.6	34.04 S 35.78 E
5000.00	1.09	69.27	N 69 16 E	0.28	4999.16	49.7 132.9	33.84 S 36.35 E
5010.00	1.01	66.45	N 66 27 E	0.95	5009.16	49.7 132.8	33.77 S 36.53 E

Final Station Closure: Distance: 49.75 ft Az: 132.76 deg.

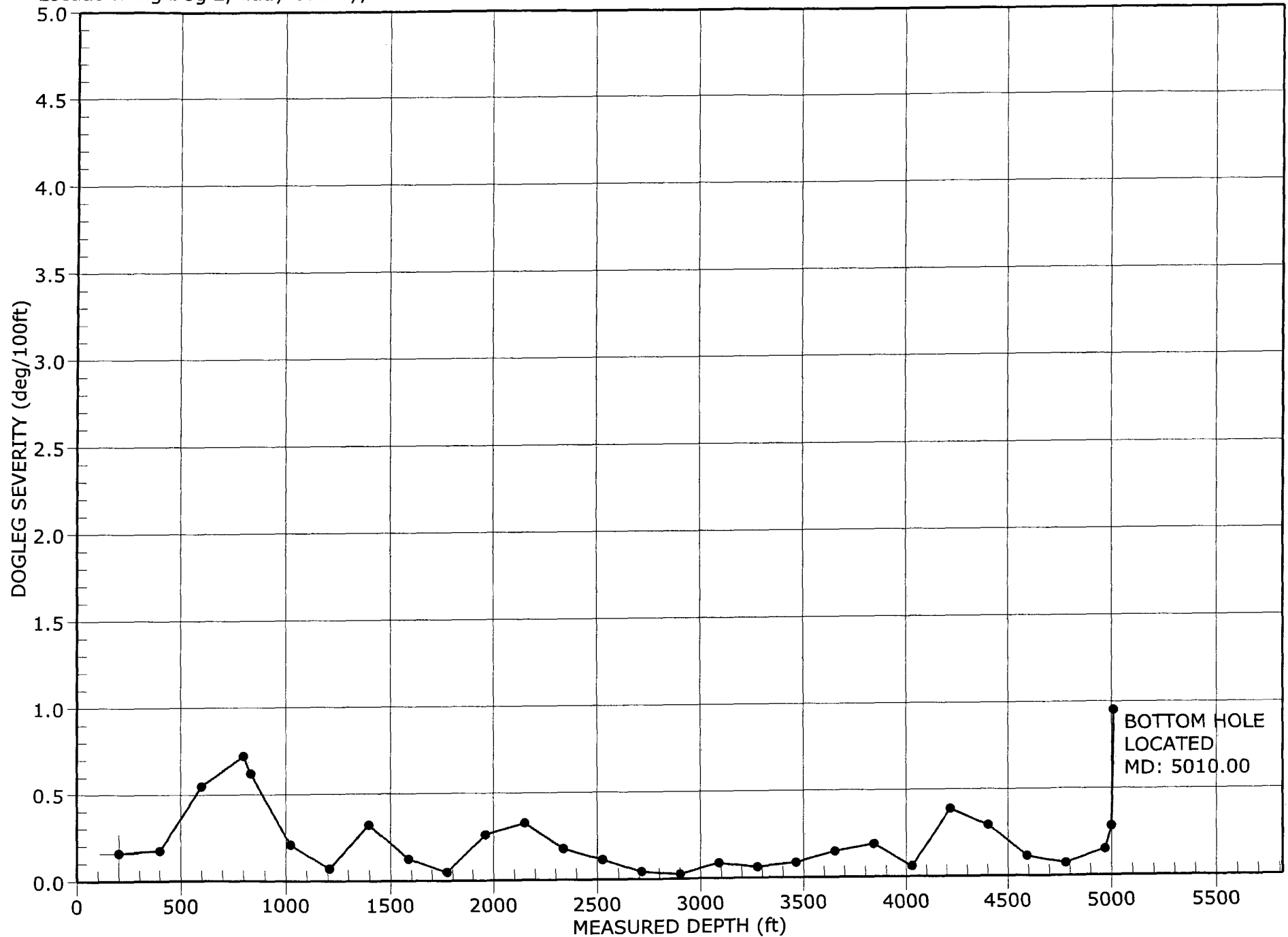
LCX Energy
Well: 16-25 State No. 191 4-1/2 Drillpipe
Location: Big Dog 2, Eddy County, New Mexico

Outrun
Gyrodata
MD1106G_322 DEFINITIVE



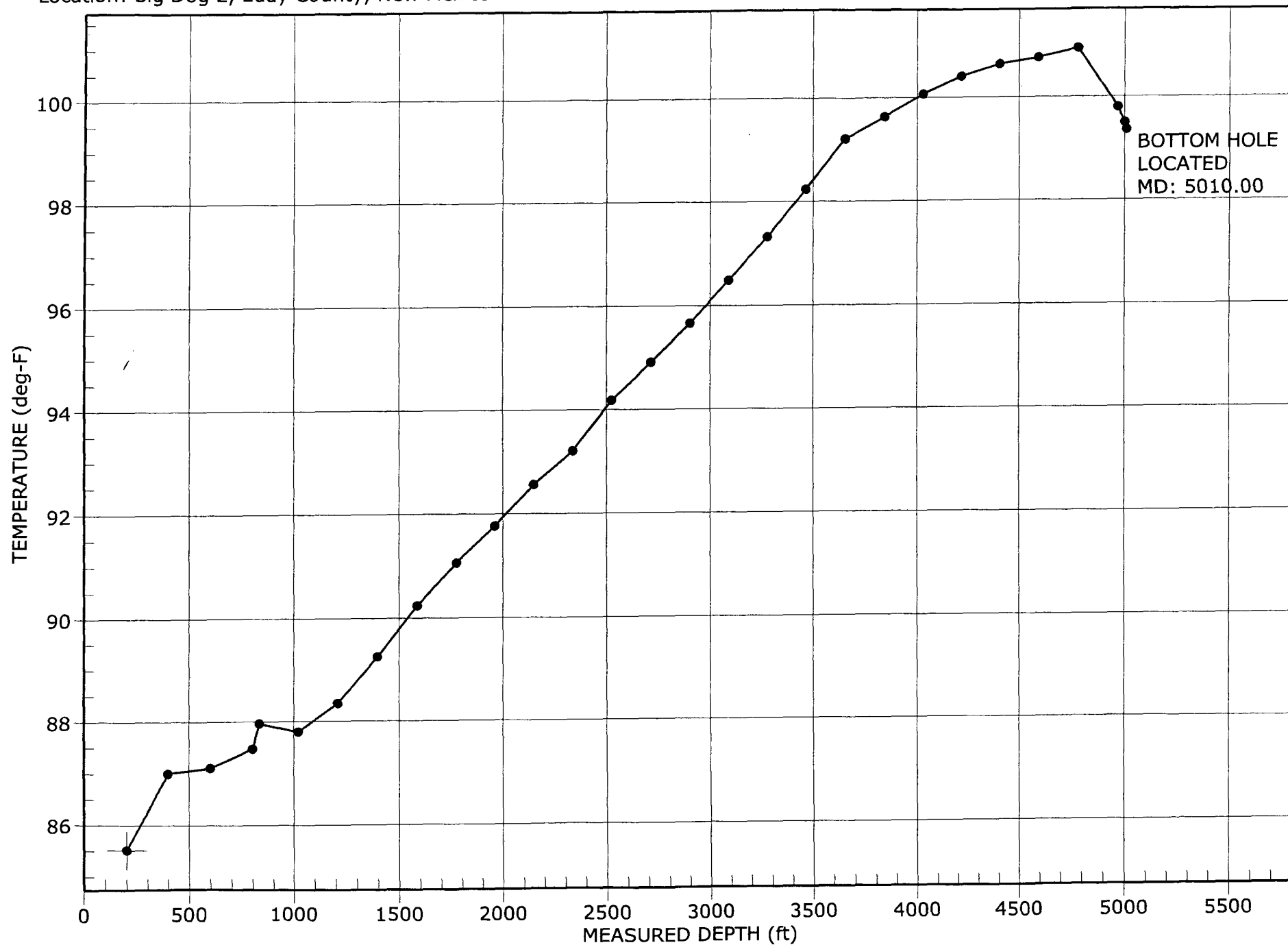
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Location: Big Dog 2, Eddy County, New Mexico

Outrun
Gyrodata
MD1106G_322 DEFINITIVE



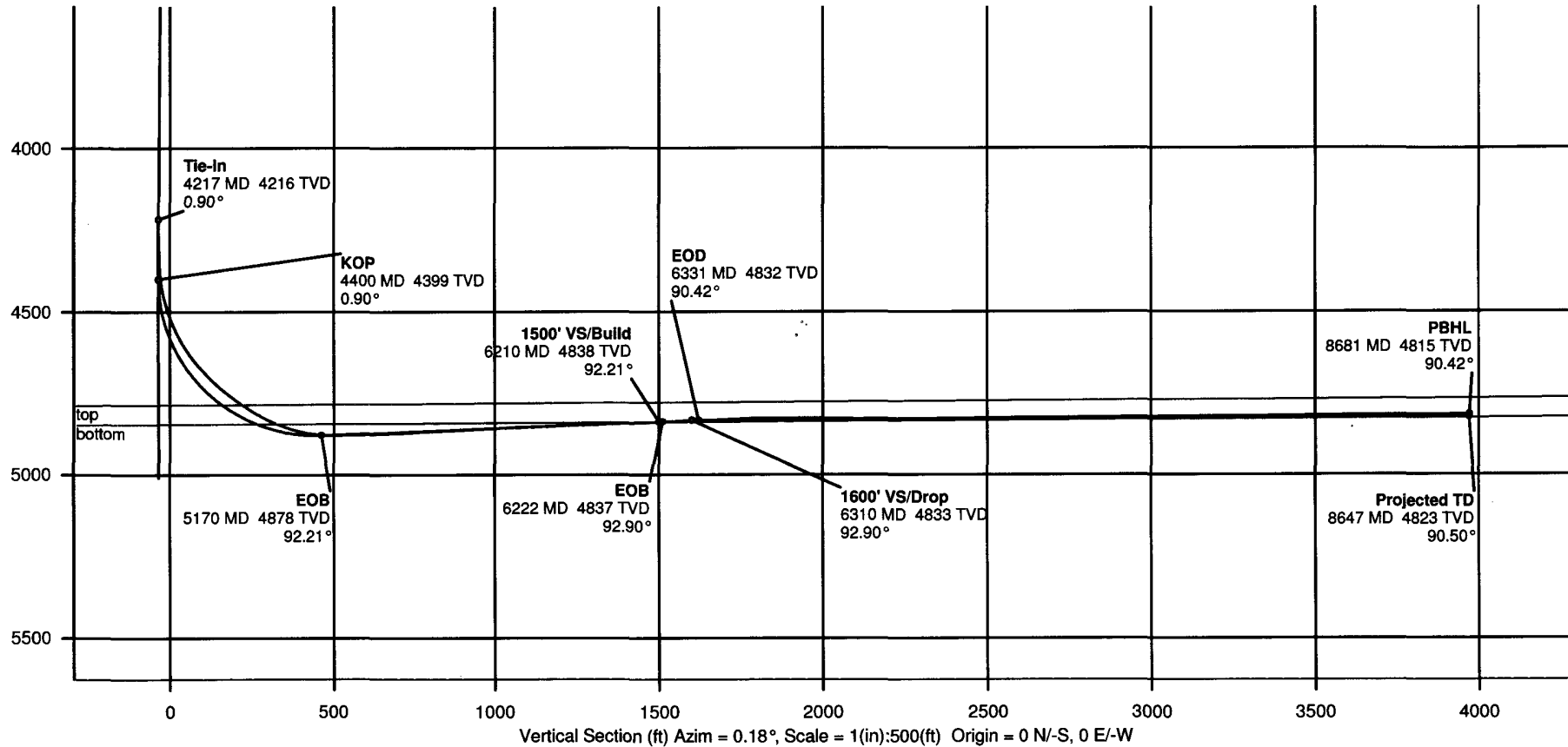
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Well: 16-25 State No. 191 4-1/2 Drillpipe
Location: Big Dog 2, Eddy County, New Mexico

Outrun
Gyrodata
MD1106G_322 DEFINITIVE



LCX Energy LLC.

WELL 1625 State #191	FIELD Eddy County, NM Nad 83	STRUCTURE 1625 State #191
Magnetic Parameters Model: IGRF 2005 Dip: 60.762° Mag Dec: +8.801°	Surface Location Lat: N32 54 11.941 Lon: W104 31 20.453 Northing: 692322.00 IUS Easting: 483326.70 IUS Scale Fact: 0.9999129445	Miscellaneous Sta: 1625 State #191 Plan: 1625 State #191_surveys TVD Ref: RKB (0.00 ft above) Srvy Date: December 04, 2006



INTREPID
Directional Drilling Specialists



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
Minerals & Natural Resources

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CONSERVATION DIVISION
20 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Revised June 10, 2003

Submit to Appropriate District Office
5 Copies

Month - Year
MAR 19 2007
OCD - ARTESIA, NM

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator name and Address LCX ENERGY, LLC 110 N. MARIENFEL SUITE 200, MIDLAND, TX 79701		2 OGRID Number 21885
4 API Number 30-0 34541 15-0000	5 Pool Name COTTONWOOD CREEK - WOLFCAMP	6 Pool Code 75250
7 Property Code	8 Property Name 1625J STATE	9 Well Number 191

II. 10 Surface Location

UL or lot no. 0	Section 19	Township 16S	Range 25E	Lot. Idn	Feet from the 660	North/South Line SOUTH	Feet from the 1880	East/West line EAST	County EDDY
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11 Bottom Hole Location

UL or lot no. B	Section 19	Township 16S	Range 25E	Lot. Idn	Feet from the 630	North/South Line North	Feet from the 1885	East/West line EAST	County EDDY
12 Lse Code	13 Producing Method Code FLOWING	14 Gas Connection Date 03/06/07	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date				

III. Oil and Gas Transporters

18 Transporter OGRID 147831	19 Transporter Name and Address AGAVE ENERGY CO. 105 S. 4TH STREET ARTESIA, NM 88210	20 POD	21 O/G G	22 POD ULSTR Location and Description ULO, SEC 19, T16S R25E

IV. Produced Water

23 POD	24 POD ULSTR Location and Description
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V. Well Completion Data

25 Spud Date 11/16/06	26 Ready Date 03/05/07	27 TD 8647'	28 PBTD 8615'	29 Perforations 8600' - 4980'	30 DHC, MC
31 Hole Size 12 1/4" & 17 1/2"	32 Casing & Tubing Size 9 5/8"	33 Depth Set 1345'	34 Sacks Cement 500 CL C/H		
8 3/4" & 7 7/8"	5 1/2"	8647'	1170 50/50 POZ		
			360 PVL		

VI. Well Test Data

35 Date New Oil	36 Gas Delivery Date 03/06/07	37 Test Date 03/07/07	38 Test Length 24 HOURS	39 Tbg. Pressure 650 PSIG	40 Csg. Pressure
41 Choke Size 32/64	42 Oil	43 Water	44 Gas 2265	45 AOF	46 Test Method FLOWING
47 I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: 			OIL CONSERVATION DIVISION		
Printed name: KANICIA CARRILLO			Approved by: BRYAN G. ARRAÑT DISTRICT II GEOLOGIST		
Title: REGULATORY ANALYST			Approval Date: MAR 20 2007		
Email: KANICIA@EERONLINE.COM					
Date: 03/04/07		Phone: 432-262-4013			