

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(505) 393-6161 Fax:(505) 393-0720

Form C-101
Permit 34533

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address CHESAPEAKE OPERATING, INC. P. O. BOX 18496 OKLAHOMA CITY, OK 731540496		2. OGRID Number 147179	
		3. API Number 30-025-32210	
4. Property Code 301486	5. Property Name LANGLEY GETTY COM		6. Well No. 0222

7. Surface Location

UL - Lot M	Section 21	Township 22S	Range 36E	Lot Idn M	Feet From 977	N/S Line S	Feet From 1002	E/W Line W	County LEA
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8. Pool Information

LANGLEY;DEVONIAN (GAS)	79936
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Additional Well Information

9. Work Type New Well E	10. Well Type OIL	11. Cable/Rotary	12. Lease Type Private	13. Ground Level Elevation 3528
14. Multiple N	15. Proposed Depth 12150	16. Formation Devonian	17. Contractor	18. Spud Date 8/15/2006
Depth to Ground water 150		Distance from nearest fresh water well > 1000		Distance to nearest surface water > 1000
Pit: Liner: Synthetic ☒ 12 mils thick Clay ☐ Pit Volume: 12129 bbls Drilling Method: Closed Loop System ☐ Fresh Water ☒ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐				

19. Proposed Casing and Cement Program

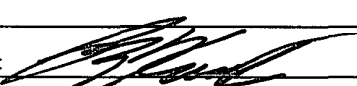
Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	400	425	0
Intl	12.25	9.625	36	4000	1250	0
Prod	7.875	5.5	17	12150	860	3000

Casing/Cement Program: Additional Comments

In 17 1/2" hole run 13 3/8" casing set @ 400'. Cement to surface w/425 sx Cl. C cmt cement. In 12 1/4" hole, run 9 5/8" 36# & 40# J-55 LTC csg set @ 4,000'. Cmt. to surface w/1100 sx Cl. C lead + 150 sx tail. In 7 7/8" hole run 5 1/2" 17# L80 LT&C csg set @ 12,150' (TVD) Cmt w/760 sx Cl. H tail in w/100 sx Cl. H. sx cmt.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	5000	
DoubleRam	5000	5000	

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒ a general permit ☐ , or an (attached) alternative OCD-approved plan ☐ . Printed Name: Brenda Coffman Title: Regulatory Analyst Email Address: bcoffman@chkenergy.com July 20, 2006 432-687-2992x6032	OIL CONSERVATION DIVISION Approved By:  Title: REGULATORY ENGINEER Approved Date: JUL 26 2006 Expiration Date:
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Permit Expires 1 Year From Approval
 Date Unless Drilling Underway
 Re-Entry

DISTRICT I

1625 N. FRENCH DR., HOBBS, NM 88240

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505Revised October 12, 2005
Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-32210	Pool Code 79936	Pool Name Langley;Devonian (Gas)
Property Code 301486	Property Name LANGLEY GETTY COM.	
OGRID No. 147179	Operator Name CHESAPEAKE OPERATING, INC.	Well Number 2RE
		Elevation 3528'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	21	22-S	36-E		977	SOUTH	1002	WEST	LEA

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
O	21	22-S	36-E		800	SOUTH	1650	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			

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

GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=500886.4 N X=826723.0 E LAT.=32.372610° N LONG.=103.275094° W GRID AZ.=N93°15'52" HORIZ. DIST.=2635.0' BOTTOM HOLE Y=500736.4 N X=829353.3 E	OPERATOR CERTIFICATION I hereby certify that the information 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 or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Brenda Coffman</i> 7-20-06 Signature Date Brenda Coffman 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. GARY G. EIDSON MAY 22 2006 Date Surveyed REVISION DATE: 07/11/06 Signature & Seal of Professional Surveyor MR <i>Gary G. Eidson</i> 7/11/06 Date Surveyed Certificate No. GARY EIDSON 12641 RONALD J. EIDSON 3239
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Pathfinder Energy Planning Report

Company: Chesapeake Operating, Inc. Field: Langley Greer Com. #2 RE Site: Langley Greer Com #2 RE Well: Langley Greer Com #2 RE Wellpath: Re-Entry	Date: 5/24/2006 Time: 10:01:46 Page: 1 Co-ordinate(NE) Reference: Site: Langley Greer Com #2 RE, Grid North Vertical (TVD) Reference: SITE 0.0 Section (VS) Reference: Well (0.00N,0.00E,92.85Azi) Plan: Plan #1 05-24-06
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Field: Langley Greer Com. #2 RE Lea County, NM	Map System: US State Plane Coordinate System 1927 Geo Datum: NAD27 (Clarke 1866) Sys Datum: Mean Sea Level	Map Zone: New Mexico, Eastern Zone Coordinate System: Site Centre Geomagnetic Model: igr2005
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Site: Langley Greer Com #2 RE	
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Site Position: From: Map Position Uncertainty: 0.00 ft Ground Level: 3528.00 ft	Northing: 500886.40 ft Easting: 826723.00 ft	Latitude: 32 22 21.398 N Longitude: 103 16 30.339 W North Reference: Grid Grid Convergence: 0.57 deg
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Well: Langley Greer Com #2 RE	Slot Name:
Well Position: +N/-S 0.00 ft Northing: 500886.40 ft Latitude: 32 22 21.398 N +E/-W 0.00 ft Easting: 826723.00 ft Longitude: 103 16 30.339 W Position Uncertainty: 0.00 ft	

Wellpath: Re-Entry	Drilled From: Surface Tie-on Depth: 0.00 ft Above System Datum: Mean Sea Level Declination: 8.06 deg Mag Dip Angle: 60.51 deg +E/-W: Direction deg
Current Datum: SITE Height 0.00 ft Magnetic Data: 5/24/2006 Field Strength: 49292 nT Vertical Section: Depth From (TVD) ft +N/-S ft	
0.00	0.00 0.00 92.85

Plan: Plan #1 05-24-06 Principal: No	Date Composed: 5/24/2006 Version: 1 Tied-to: From Surface
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Plan Section Information									
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12150.00	0.00	0.00	12150.00	0.00	0.00	0.00	0.00	0.00	0.00
12605.53	90.00	92.85	12440.00	-14.42	289.64	19.76	19.76	0.00	92.85
12721.75	93.49	92.85	12436.47	-20.20	405.64	3.00	3.00	0.00	0.07
14965.76	93.49	92.85	12300.00	-131.73	2642.72	0.00	0.00	0.00	0.00

PBHL Langley Greer Com #2

Survey										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	
1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	0.00	0.00	
1200.00	0.00	0.00	1200.00	0.00	0.00	0.00	0.00	0.00	0.00	
1300.00	0.00	0.00	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	
1400.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.00	0.00	0.00	
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00				

Planning Report

Company: Chesapeake Operating, Inc.
Field: Langley Greer Com. #2 RE
Site: Langley Greer Com #2 RE
Well: Langley Greer Com #2 RE
Wellpath: Re-Entry

Date: 5/24/2006

Time: 10:01:46

Page: 2

Co-ordinate(NE) Reference: Site: Langley Greer Com #2 RE, Grid Nort

Vertical (TVD) Reference: SITE 0.0

Section (VS) Reference: Well (0.00N,0.00E,92.85Azi)

Plan: Plan #1 05-24-06

Survey

[illegible]

Pathfinder Energy

Planning Report

Company: Chesapeake Operating, Inc.
Field: Langley Greer Com. #2 RE
Site: Langley Greer Com #2 RE
Well: Langley Greer Com #2 RE
Wellpath: Re-Entry

Date: 5/24/2006 **Time:** 10:01:46 **Page:** 3
Co-ordinate(NE) Reference: Site: Langley Greer Com #2 RE, Grid Nort
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,92.85Azi)
Plan: Plan #1 05-24-06

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
7000.00	0.00	0.00	7000.00	0.00	0.00	0.00	0.00	0.00	0.00	
7100.00	0.00	0.00	7100.00	0.00	0.00	0.00	0.00	0.00	0.00	
7200.00	0.00	0.00	7200.00	0.00	0.00	0.00	0.00	0.00	0.00	
7300.00	0.00	0.00	7300.00	0.00	0.00	0.00	0.00	0.00	0.00	
7400.00	0.00	0.00	7400.00	0.00	0.00	0.00	0.00	0.00	0.00	
7500.00	0.00	0.00	7500.00	0.00	0.00	0.00	0.00	0.00	0.00	
7600.00	0.00	0.00	7600.00	0.00	0.00	0.00	0.00	0.00	0.00	
7700.00	0.00	0.00	7700.00	0.00	0.00	0.00	0.00	0.00	0.00	
7800.00	0.00	0.00	7800.00	0.00	0.00	0.00	0.00	0.00	0.00	
7900.00	0.00	0.00	7900.00	0.00	0.00	0.00	0.00	0.00	0.00	
8000.00	0.00	0.00	8000.00	0.00	0.00	0.00	0.00	0.00	0.00	
8100.00	0.00	0.00	8100.00	0.00	0.00	0.00	0.00	0.00	0.00	
8200.00	0.00	0.00	8200.00	0.00	0.00	0.00	0.00	0.00	0.00	
8300.00	0.00	0.00	8300.00	0.00	0.00	0.00	0.00	0.00	0.00	
8400.00	0.00	0.00	8400.00	0.00	0.00	0.00	0.00	0.00	0.00	
8500.00	0.00	0.00	8500.00	0.00	0.00	0.00	0.00	0.00	0.00	
8600.00	0.00	0.00	8600.00	0.00	0.00	0.00	0.00	0.00	0.00	
8700.00	0.00	0.00	8700.00	0.00	0.00	0.00	0.00	0.00	0.00	
8800.00	0.00	0.00	8800.00	0.00	0.00	0.00	0.00	0.00	0.00	
8900.00	0.00	0.00	8900.00	0.00	0.00	0.00	0.00	0.00	0.00	
9000.00	0.00	0.00	9000.00	0.00	0.00	0.00	0.00	0.00	0.00	
9100.00	0.00	0.00	9100.00	0.00	0.00	0.00	0.00	0.00	0.00	
9200.00	0.00	0.00	9200.00	0.00	0.00	0.00	0.00	0.00	0.00	
9300.00	0.00	0.00	9300.00	0.00	0.00	0.00	0.00	0.00	0.00	
9400.00	0.00	0.00	9400.00	0.00	0.00	0.00	0.00	0.00	0.00	
9500.00	0.00	0.00	9500.00	0.00	0.00	0.00	0.00	0.00	0.00	
9600.00	0.00	0.00	9600.00	0.00	0.00	0.00	0.00	0.00	0.00	
9700.00	0.00	0.00	9700.00	0.00	0.00	0.00	0.00	0.00	0.00	
9800.00	0.00	0.00	9800.00	0.00	0.00	0.00	0.00	0.00	0.00	
9900.00	0.00	0.00	9900.00	0.00	0.00	0.00	0.00	0.00	0.00	
10000.00	0.00	0.00	10000.00	0.00	0.00	0.00	0.00	0.00	0.00	
10100.00	0.00	0.00	10100.00	0.00	0.00	0.00	0.00	0.00	0.00	
10200.00	0.00	0.00	10200.00	0.00	0.00	0.00	0.00	0.00	0.00	
10300.00	0.00	0.00	10300.00	0.00	0.00	0.00	0.00	0.00	0.00	
10400.00	0.00	0.00	10400.00	0.00	0.00	0.00	0.00	0.00	0.00	
10500.00	0.00	0.00	10500.00	0.00	0.00	0.00	0.00	0.00	0.00	
10600.00	0.00	0.00	10600.00	0.00	0.00	0.00	0.00	0.00	0.00	
10700.00	0.00	0.00	10700.00	0.00	0.00	0.00	0.00	0.00	0.00	
10800.00	0.00	0.00	10800.00	0.00	0.00	0.00	0.00	0.00	0.00	
10900.00	0.00	0.00	10900.00	0.00	0.00	0.00	0.00	0.00	0.00	
11000.00	0.00	0.00	11000.00	0.00	0.00	0.00	0.00	0.00	0.00	
11100.00	0.00	0.00	11100.00	0.00	0.00	0.00	0.00	0.00	0.00	
11200.00	0.00	0.00	11200.00	0.00	0.00	0.00	0.00	0.00	0.00	
11300.00	0.00	0.00	11300.00	0.00	0.00	0.00	0.00	0.00	0.00	
11400.00	0.00	0.00	11400.00	0.00	0.00	0.00	0.00	0.00	0.00	
11500.00	0.00	0.00	11500.00	0.00	0.00	0.00	0.00	0.00	0.00	
11600.00	0.00	0.00	11600.00	0.00	0.00	0.00	0.00	0.00	0.00	
11700.00	0.00	0.00	11700.00	0.00	0.00	0.00	0.00	0.00	0.00	
11800.00	0.00	0.00	11800.00	0.00	0.00	0.00	0.00	0.00	0.00	
11900.00	0.00	0.00	11900.00	0.00	0.00	0.00	0.00	0.00	0.00	
12000.00	0.00	0.00	12000.00	0.00	0.00	0.00	0.00	0.00	0.00	
12100.00	0.00	0.00	12100.00	0.00	0.00	0.00	0.00	0.00	0.00	
12150.00	0.00	0.00	12150.00	0.00	0.00	0.00	0.00	0.00	0.00	

KOP @ 12150'

Pathfinder Energy

Planning Report

Company: Chesapeake Operating, Inc.
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Site: Langley Greer Com #2 RE
Well: Langley Greer Com #2 RE
Wellpath: Re-Entry

Date: 5/24/2006 **Time:** 10:01:46 **Page:** 4
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Section (VS) Reference: Well (0.00N,0.00E,92.85Azi)
Plan: Plan #1 05-24-06

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
12175.00	4.94	92.85	12174.97	-0.05	1.08	1.08	19.76	19.76	0.00	
12200.00	9.88	92.85	12199.75	-0.21	4.29	4.30	19.76	19.76	0.00	
12225.00	14.82	92.85	12224.17	-0.48	9.63	9.64	19.76	19.76	0.00	
12250.00	19.76	92.85	12248.03	-0.85	17.05	17.07	19.76	19.76	0.00	
12275.00	24.70	92.85	12271.17	-1.32	26.49	26.53	19.76	19.76	0.00	
12300.00	29.64	92.85	12293.40	-1.89	37.89	37.94	19.76	19.76	0.00	
12325.00	34.58	92.85	12314.57	-2.55	51.16	51.22	19.76	19.76	0.00	
12350.00	39.51	92.85	12334.52	-3.30	66.19	66.28	19.76	19.76	0.00	
12375.00	44.45	92.85	12353.10	-4.13	82.89	82.99	19.76	19.76	0.00	
12400.00	49.39	92.85	12370.17	-5.03	101.12	101.25	19.76	19.76	0.00	
12425.00	54.33	92.85	12385.60	-6.01	120.76	120.91	19.76	19.76	0.00	
12450.00	59.27	92.85	12399.28	-7.05	141.64	141.82	19.76	19.76	0.00	
12475.00	64.21	92.85	12411.12	-8.15	163.63	163.83	19.76	19.76	0.00	
12500.00	69.15	92.85	12421.01	-9.29	186.55	186.78	19.76	19.76	0.00	
12525.00	74.09	92.85	12428.89	-10.47	210.24	210.50	19.76	19.76	0.00	
12550.00	79.03	92.85	12434.70	-11.67	234.52	234.81	19.76	19.76	0.00	
12575.00	83.97	92.85	12438.39	-12.90	259.20	259.53	19.76	19.76	0.00	
12600.00	88.91	92.85	12439.95	-14.14	284.12	284.47	19.76	19.76	0.00	
12605.53	90.00	92.85	12440.00	-14.42	289.64	290.00	19.76	19.76	0.00	EOC @ 12606' MD / 12440'
12700.00	92.83	92.85	12437.66	-19.12	383.95	384.43	3.00	3.00	0.00	
12721.75	93.49	92.85	12436.47	-20.20	405.64	406.14	3.00	3.00	0.00	
12724.22	93.49	92.85	12436.31	-20.32	408.11	408.61	0.00	0.00	0.00	End of Build @ 93.56° Inc
12800.00	93.49	92.85	12431.71	-24.09	483.65	484.25	0.00	0.00	0.00	
12900.00	93.49	92.85	12425.63	-29.06	583.34	584.07	0.00	0.00	0.00	
13000.00	93.49	92.85	12419.54	-34.03	683.04	683.88	0.00	0.00	0.00	
13100.00	93.49	92.85	12413.46	-39.00	782.73	783.70	0.00	0.00	0.00	
13200.00	93.49	92.85	12407.38	-43.97	882.42	883.51	0.00	0.00	0.00	
13300.00	93.49	92.85	12401.30	-48.94	982.11	983.33	0.00	0.00	0.00	
13400.00	93.49	92.85	12395.22	-53.91	1081.80	1083.14	0.00	0.00	0.00	
13500.00	93.49	92.85	12389.14	-58.88	1181.49	1182.96	0.00	0.00	0.00	
13600.00	93.49	92.85	12383.06	-63.85	1281.18	1282.77	0.00	0.00	0.00	
13700.00	93.49	92.85	12376.97	-68.82	1380.87	1382.59	0.00	0.00	0.00	
13800.00	93.49	92.85	12370.89	-73.79	1480.56	1482.40	0.00	0.00	0.00	
13900.00	93.49	92.85	12364.81	-78.76	1580.26	1582.22	0.00	0.00	0.00	
14000.00	93.49	92.85	12358.73	-83.73	1679.95	1682.03	0.00	0.00	0.00	
14100.00	93.49	92.85	12352.65	-88.70	1779.64	1781.85	0.00	0.00	0.00	
14200.00	93.49	92.85	12346.57	-93.67	1879.33	1881.66	0.00	0.00	0.00	
14300.00	93.49	92.85	12340.49	-98.64	1979.02	1981.48	0.00	0.00	0.00	
14400.00	93.49	92.85	12334.41	-103.61	2078.71	2081.29	0.00	0.00	0.00	
14500.00	93.49	92.85	12328.32	-108.58	2178.40	2181.11	0.00	0.00	0.00	
14600.00	93.49	92.85	12322.24	-113.55	2278.09	2280.92	0.00	0.00	0.00	
14700.00	93.49	92.85	12316.16	-118.52	2377.78	2380.74	0.00	0.00	0.00	
14800.00	93.49	92.85	12310.08	-123.49	2477.48	2480.55	0.00	0.00	0.00	
14900.00	93.49	92.85	12304.00	-128.46	2577.17	2580.37	0.00	0.00	0.00	
14965.76	93.49	92.85	12300.00	-131.73	2642.72	2646.00	0.00	0.00	0.00	PBHL Langley Greer Com #2

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude --->			<--- Longitude --->		
PBHL Langley Greer Com #2 RE			12300.00	-131.73	2642.72	500754.67	829365.72	32	22	19.835 N	103	15	59.544 W

Pathfinder Energy

Planning Report

Company: Chesapeake Operating, Inc.
Field: Langley Greer Com. #2 RE
Site: Langley Greer Com #2 RE
Well: Langley Greer Com #2 RE
Wellpath: Re-Entry

Date: 5/24/2006 Time: 10:01:46 Page: 5
Co-ordinate(NE) Reference: Site: Langley Greer Com #2 RE, Grid Nort
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,92.85Azi)
Plan: Plan #1 05-24-06

Annotation

MD ft	TVD ft	
12150.00	12150.00	KOP @ 12150'
12605.53	12440.00	EOC @ 12606' MD / 12440' TVD
12724.22	12436.31	End of Build @ 93.56° Inc.

Chesapeake Operating, Inc.

Field: Langley Greer Com. #2 RE

Site: Langley Greer Com #2 RE

Well: Langley Greer Com #2 RE

Wellpath: Re-Entry

Plan: Plan #1 05-24-06

COMPANY DETAILS

Chesapeake Operating, Inc.
P.O. Box 18496
Oklahoma City, OK 73154-8469

Calculation Method: Minimum Curvature
Error System: Systematic Ellipse
Scan Method: Closest Approach 3D
Error Surface: Elliptical Conic
Warning Method: Error Ratio

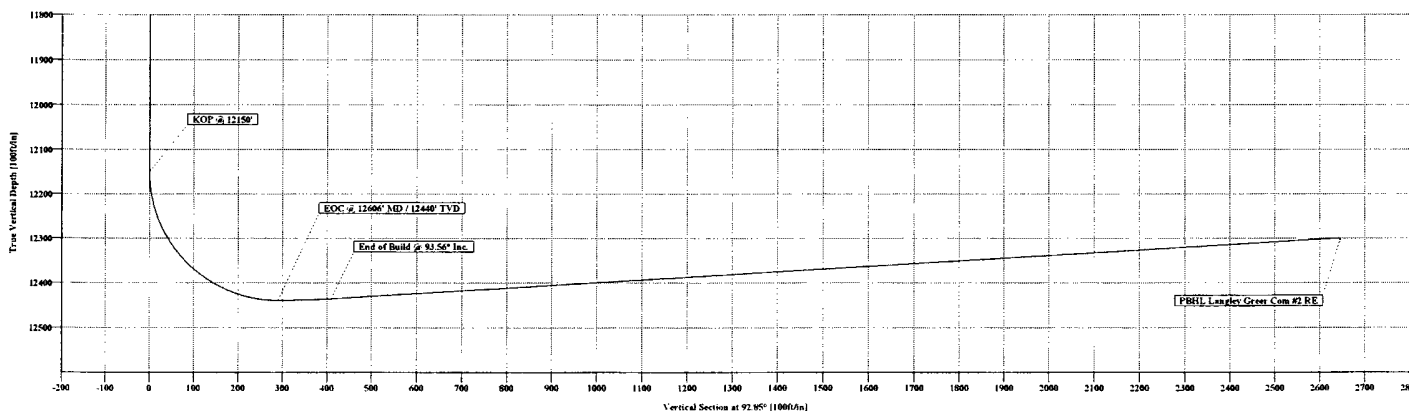
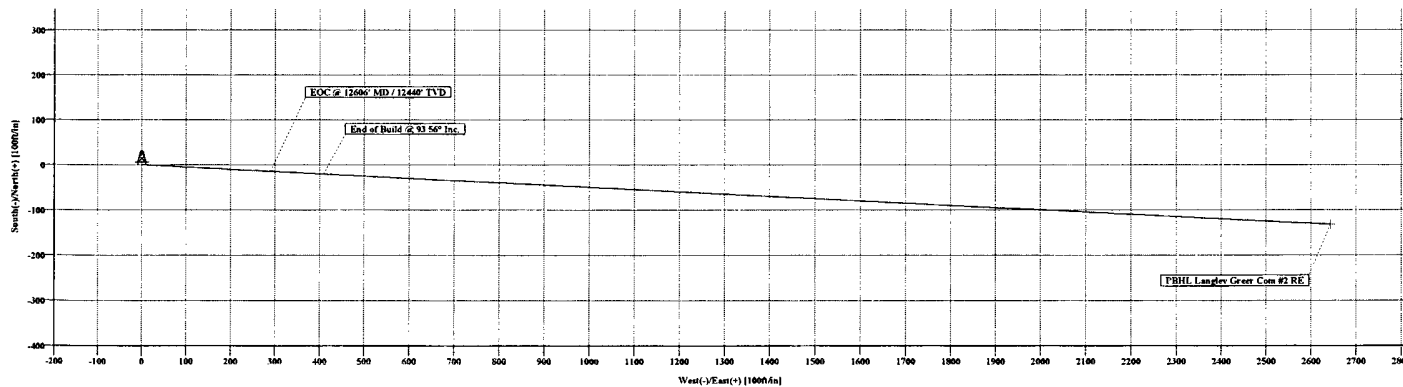
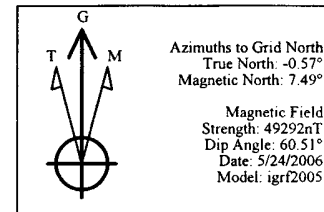


SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	12150.00	0.00	0.00	12150.00	0.00	0.00	0.00	0.00	0.00	
3	12605.53	90.00	92.85	12440.00	-14.42	289.64	19.76	92.85	290.00	
4	12721.75	93.49	92.85	12436.47	-20.20	405.64	3.00	0.07	406.14	
5	14965.76	93.49	92.85	12300.00	-131.73	2642.72	0.00	0.00	2646.00	PBHL Langley Greer Com #2 RE

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Langley Greer Com #2 RE	0.00	0.00	500886.40	826723.00	32°22'21.398N	103°16'30.339W	N/A



SITE DETAILS

Langley Greer Com #2 RE

Site Centre Northing: 500886.40
Easting: 826723.00

Ground Level: 3528.00
Positional Uncertainty: 0.00
Convergence: 0.57

WELLPATH DETAILS

Re-Entry

Rig: Ref. Datum:	SITE		0.00ft
V.Section Angle	Origin +N/-S	Origin +E/-W	Starting From TVD
92.85°	0.00	0.00	0.00