

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103

May 27, 2004

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

Submit 3 Copies To Appropriate District Office
 District I
 1625 N. French Dr., Hobbs, NM 88240
 District II
 1301 W. Grand Ave., Artesia, NM 88210
 District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV
 1220 S. St. Francis Dr., Santa Fe, NM 87505

WELL API NO.	30-025-37404
5. Indicate Type of Lease STATE ☐ FEE ☒	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name 07 Ranch 2	
8. Well Number	001
9. OGRID Number	147179
10. Pool name or Wildcat Field Ranch; Wolfcamp	24510

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐	
2. Name of Operator Chesapeake Operating, Inc.	
3. Address of Operator P. O. Box 11050 Midland, TX 79702-8050	
4. Well Location Unit Letter <u>G</u> : 1980 feet from the <u>North</u> line and <u>1920</u> feet from the <u>East</u> line Section <u>2</u> Township <u>12S</u> Range <u>38e</u> NMPM County <u>Lea</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3858 Gr	
Pit or Below-grade Tank Application ☐ or Closure ☐	
Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____	
Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☒
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

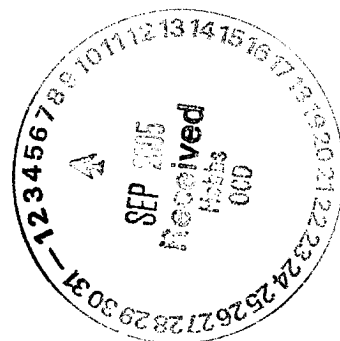
SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
 COMMENCE DRILLING OPNS. ☐ P AND A ☐
 CASING/CEMENT JOB ☐

OTHER: ☐OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Chesapeake, respectfully, request permission to change this well to a directional drill well. The proposed Directional Drill Survey is attached for your consideration. The new bottom hole location will be: 1980' FNL & 990' FEL of Section 2, T12S, R38E.



I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOC guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Brenda Coffman TITLE Regulatory Analyst DATE 08/15/2005

Type or print name Brenda Coffman
 For State Use Only

E-mail address: bcoffman@chkenergy.com Telephone No. (432)687-2992

PETROLEUM ENGINEER

APPROVED BY: [Signature] TITLE _____ DATE SEP 06 2005
 Conditions of Approval (if any): _____

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 Department

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised JUNE 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-37404	Pool Code 24510	Pool Name Field Ranch; Walcamp
Property Code 34994	Property Name 07 RANCH 2	Well Number 1
OGRID No. 147179	Operator Name CHESAPEAKE OPERATING, INC.	Elevation 3858'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	2	12-S	38-E		1980	NORTH	1920	EAST	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
H	2	12-S	38-E		1980	NORTH	990	EAST	LEA
Dedicated Acres 40	Joint or Infill	Consolidation Code	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

LOT 4	LOT 3	LOT 2	LOT 1
40.45 AC	40.47 AC	40.49 AC	40.51 AC
GEODETIC COORDINATES NAD 27 NME SURFACE HOLE LOCATION Y=842480.7 N X=887575.5 E LAT.=33.309521° N LONG.=103.064750° W		BOTTOM HOLE LOCATION Y=842493.0 N X=888509.1 E	
		S.L. 1980'	
		B.H. 990'	
		1920'	

OPERATOR CERTIFICATION

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

Brenda Coffman
Signature
Brenda Coffman
Printed Name
Regulatory Analyst
Title
8-15-05
Date

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.

AUGUST 5, 2005
Date Surveyed
LA REV: 8/16/05
Signature & Seal of Professional Surveyor

05.11.1226

Certificate No. **GARY EIDSON** 12641



Job Number: 07 Ranch
 Company: Chesapeake Operating
 Lease/Well: 07 Ranch
 Location: Lea Co - Sec. 02-T12S-R38E
 Rig Name:
 RKB: 0.00 Ft
 Vertical Datum:

State/Country:
 Declination:
 Grid:
 Project name: Lea County
 Date/Time: 16-Aug-05 / 16:10
 Well Name: 07 Ranch - Plan 08-16-05 (2500 KOP)
 North Reference: True North
 Convergence: 0.6967°

Quantum Directional Drilling

WinSURV3D SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 90.00°
Vertical Section Referenced to Wellhead
Local Coordinates Referenced to Wellhead

Direction referenced to True North

Measured Depth Ft	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	LOCALS		Vertical Section Ft	Dogleg Severity Deg/100
N-S Ft	E-W Ft						
SHL = 1980' FNL / 1920' FEL							
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP @ 2500MD ,1.50°/ 100 Ft							
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00
2530.00	0.45	90.00	2530.00	0.00	0.12	0.12	1.50
2560.00	0.90	90.00	2560.00	0.00	0.47	0.47	1.50
2590.00	1.35	90.00	2589.99	0.00	1.06	1.06	1.50
2620.00	1.80	90.00	2619.98	0.00	1.88	1.88	1.50
2650.00	2.25	90.00	2649.96	0.00	2.94	2.94	1.50
2680.00	2.70	90.00	2679.93	0.00	4.24	4.24	1.50
2710.00	3.15	90.00	2709.89	0.00	5.77	5.77	1.50
2740.00	3.60	90.00	2739.84	0.00	7.54	7.54	1.50
2770.00	4.05	90.00	2769.78	0.00	9.54	9.54	1.50
2800.00	4.50	90.00	2799.69	0.00	11.77	11.77	1.50
2830.00	4.95	90.00	2829.59	0.00	14.25	14.25	1.50
2860.00	5.40	90.00	2859.47	0.00	16.95	16.95	1.50
2890.00	5.85	90.00	2889.32	0.00	19.89	19.89	1.50
2920.00	6.30	90.00	2919.15	0.00	23.07	23.07	1.50
2950.00	6.75	90.00	2948.96	0.00	26.48	26.48	1.50
2980.00	7.20	90.00	2978.74	0.00	30.12	30.12	1.50
3010.00	7.65	90.00	3008.49	0.00	34.00	34.00	1.50
3040.00	8.10	90.00	3038.20	0.00	38.11	38.11	1.50
3070.00	8.55	90.00	3067.89	0.00	42.45	42.45	1.50
Begin Hold @ 8.70°, 90.00° Azm							
3079.89	8.70	90.00	3077.66	0.00	43.93	43.93	1.50
3179.89	8.70	90.00	3176.51	0.00	59.06	59.06	0.00
3279.89	8.70	90.00	3275.36	0.00	74.18	74.18	0.00
3379.89	8.70	90.00	3374.21	0.00	89.30	89.30	0.00
3479.89	8.70	90.00	3473.06	0.00	104.43	104.43	0.00

Measured Depth Ft	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	LOCALS		Vertical Section Ft	Dogleg Severity Deg/100
				N-S Ft	E-W Ft		
3579.89	8.70	90.00	3571.91	0.00	119.55	119.55	0.00
3679.89	8.70	90.00	3670.76	0.00	134.67	134.67	0.00
3779.89	8.70	90.00	3769.61	0.00	149.80	149.80	0.00
3879.89	8.70	90.00	3868.46	0.00	164.92	164.92	0.00
3979.89	8.70	90.00	3967.31	0.00	180.04	180.04	0.00
4079.89	8.70	90.00	4066.16	0.00	195.16	195.16	0.00
4179.89	8.70	90.00	4165.01	0.00	210.29	210.29	0.00
4279.89	8.70	90.00	4263.86	0.00	225.41	225.41	0.00
4379.89	8.70	90.00	4362.71	0.00	240.53	240.53	0.00
4479.89	8.70	90.00	4461.56	0.00	255.66	255.66	0.00
4579.89	8.70	90.00	4560.41	0.00	270.78	270.78	0.00
4679.89	8.70	90.00	4659.26	0.00	285.90	285.90	0.00
4779.89	8.70	90.00	4758.11	0.00	301.03	301.03	0.00
4879.89	8.70	90.00	4856.96	0.00	316.15	316.15	0.00
4979.89	8.70	90.00	4955.81	0.00	331.27	331.27	0.00
5079.89	8.70	90.00	5054.66	0.00	346.40	346.40	0.00
5179.89	8.70	90.00	5153.51	0.00	361.52	361.52	0.00
5279.89	8.70	90.00	5252.36	0.00	376.64	376.64	0.00
5379.89	8.70	90.00	5351.21	0.00	391.77	391.77	0.00
5479.89	8.70	90.00	5450.06	0.00	406.89	406.89	0.00
5579.89	8.70	90.00	5548.91	0.00	422.01	422.01	0.00
5679.89	8.70	90.00	5647.76	0.00	437.14	437.14	0.00
5779.89	8.70	90.00	5746.61	0.00	452.26	452.26	0.00
5879.89	8.70	90.00	5845.46	0.00	467.38	467.38	0.00
5979.89	8.70	90.00	5944.31	0.00	482.51	482.51	0.00
6079.89	8.70	90.00	6043.16	0.00	497.63	497.63	0.00
6179.89	8.70	90.00	6142.01	0.00	512.75	512.75	0.00
6279.89	8.70	90.00	6240.86	0.00	527.87	527.87	0.00
6379.89	8.70	90.00	6339.71	0.00	543.00	543.00	0.00
6479.89	8.70	90.00	6438.56	0.00	558.12	558.12	0.00
6579.89	8.70	90.00	6537.41	0.00	573.24	573.24	0.00
6679.89	8.70	90.00	6636.26	0.00	588.37	588.37	0.00
6779.89	8.70	90.00	6735.11	0.00	603.49	603.49	0.00
6879.89	8.70	90.00	6833.96	0.00	618.61	618.61	0.00
6979.89	8.70	90.00	6932.81	0.00	633.74	633.74	0.00
7079.89	8.70	90.00	7031.66	0.00	648.86	648.86	0.00
7179.89	8.70	90.00	7130.51	0.00	663.98	663.98	0.00
7279.89	8.70	90.00	7229.36	0.00	679.11	679.11	0.00
7379.89	8.70	90.00	7328.21	0.00	694.23	694.23	0.00
7479.89	8.70	90.00	7427.06	0.00	709.35	709.35	0.00
7579.89	8.70	90.00	7525.91	0.00	724.48	724.48	0.00
7679.89	8.70	90.00	7624.76	0.00	739.60	739.60	0.00
7779.89	8.70	90.00	7723.60	0.00	754.72	754.72	0.00
7879.89	8.70	90.00	7822.45	0.00	769.85	769.85	0.00
7979.89	8.70	90.00	7921.30	0.00	784.97	784.97	0.00
8079.89	8.70	90.00	8020.15	0.00	800.09	800.09	0.00
8179.89	8.70	90.00	8119.00	0.00	815.22	815.22	0.00
8279.89	8.70	90.00	8217.85	0.00	830.34	830.34	0.00
8379.89	8.70	90.00	8316.70	0.00	845.46	845.46	0.00
8479.89	8.70	90.00	8415.55	0.00	860.58	860.58	0.00
8579.89	8.70	90.00	8514.40	0.00	875.71	875.71	0.00
8679.89	8.70	90.00	8613.25	0.00	890.83	890.83	0.00
8779.89	8.70	90.00	8712.10	0.00	905.95	905.95	0.00
8879.89	8.70	90.00	8810.95	0.00	921.08	921.08	0.00

Measured Depth Ft	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	LOCALS		Vertical Section Ft	Dogleg Severity Deg/100
				N-S Ft	E-W Ft		
8979.89	8.70	90.00	8909.80	0.00	936.20	936.20	0.00
9071.13	8.70	90.00	9000.00	0.00	950.00	950.00	0.00
9171.13	8.70	90.00	9098.85	0.00	965.12	965.12	0.00
9271.13	8.70	90.00	9197.70	0.00	980.25	980.25	0.00
9371.13	8.70	90.00	9296.55	0.00	995.37	995.37	0.00
9471.13	8.70	90.00	9395.40	0.00	1010.49	1010.49	0.00
9571.13	8.70	90.00	9494.25	0.00	1025.62	1025.62	0.00
9671.13	8.70	90.00	9593.10	0.00	1040.74	1040.74	0.00
9771.13	8.70	90.00	9691.95	0.00	1055.86	1055.86	0.00
9871.13	8.70	90.00	9790.80	0.00	1070.99	1070.99	0.00
9971.13	8.70	90.00	9889.65	0.00	1086.11	1086.11	0.00
PBHL @ 9900 Ft TVD							
9981.61	8.70	90.00	9900.00	0.00	1087.69	1087.69	0.00

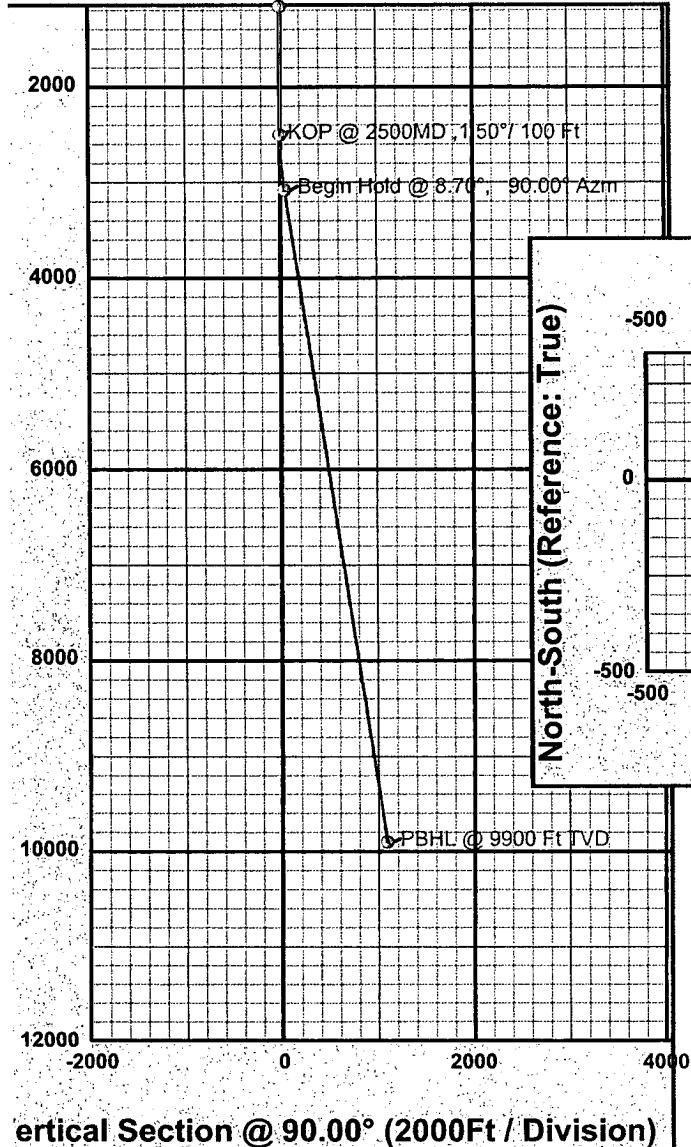
Company Name: Chesapeake Operating
Location: Lèa Co - Sec. 02-T12S-R38E
Well name: 07 Ranch
Log Name:
Report Date: Tuesday, August 16, 2005
State/Province : New Mexico
Job Number: 07 Ranch



True North

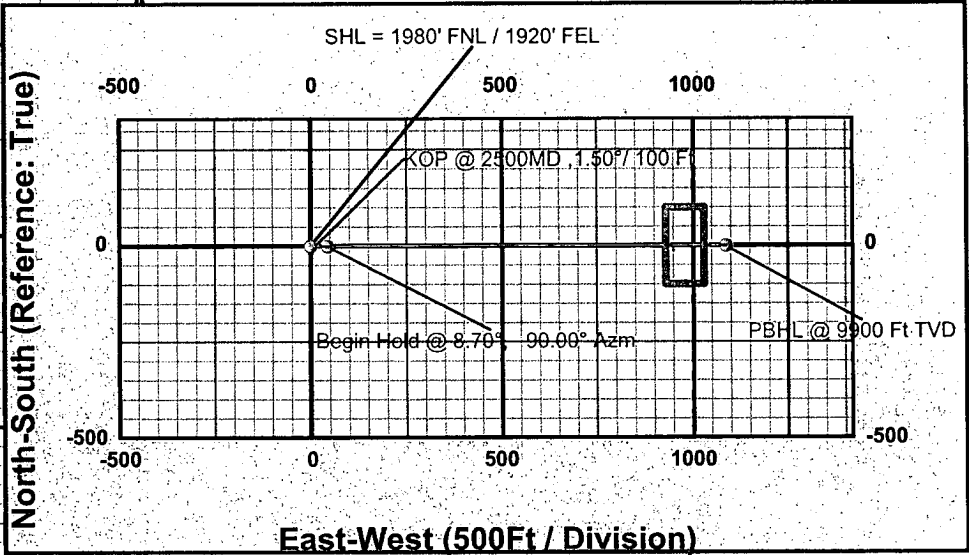
Critical Points for 07 Ranch - Plan 08-16-05 (2500 KOP)								
MD Ft	INC Deg	Azm Deg	TVD Ft	NS Ft	EW Ft	VS Ft	DLS	Comments
0.00	0.00	0.00	0.00	0.00	0.00	0.00		SHL = 1980' FNL / 1920' FEL
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	KOP @ 2500MD ,1.50°/ 100 Ft
3079.89	8.70	90.00	3077.66	0.00	43.93	43.93	1.50	Begin Hold @ 8.70°, 90.00° Azm
9981.61	8.70	90.00	9900.00	0.00	1087.69	1087.69	0.00	PBHL @ 9900 Ft TVD

MAGNETICS
Decl. Date: Tuesday, August 16, 2005
Declination: 8.12°E --> TN = MN + 8.12 : Magnetic to True
Convergence: 0.70°E --> GN = TN - 0.70 : True to Grid
Total Correction: 7.42°E --> GN = MN + 7.42 : Magnetic to Grid
Latitude: 33° 18' 34.2742" N
Longitude: -103° 3' 53.0995" W
Field Strength: 49960(nt)
Mag Dip Angle: 61.43°
3x,By,Bz (nt): Bx=23654, By=3376, Bz=43875



SURFACE LOCATION
Datum Reference: , RKB:
1980.00' FNL 1920.00' FEL

PBHL @ 9900' TVD
1087.69' @ 90.00°
S:0.00' E:1087.69'
1980.00' FNL 832.31' FEL



TGT 07 Ranch - Target Box @ 0.00' TVD
0.00' @ 0.00°
S:0.00' W:0.00'
1980.00' FNL 1920.00' FEL

TGT 07 Ranch - Target Point @ 9000.00' TVD
950.00' @ 90.00°
S:0.00' E:950.00'
1980.00' FNL 970.00' FEL