

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

State of New Mexico
Energy, Minerals and Natural Resources



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

Form C-103
May 27, 2004

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.)		WELL API NO. 30-015-35114
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Chesapeake Operating Inc.		6. State Oil & Gas Lease No.
3. Address of Operator 2010 Rankin Hwy Midland, TX 79701		7. Lease Name or Unit Agreement Name Hayhurst 16 State
4. Well Location Unit Letter P : 660 feet from the South line and 660 feet from the East line Section 16 Township 25S Range 27E NMPM County Eddy		8. Well Number 001
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3134 GR		9. OGRID Number 147179
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>		
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 ☐

OTHER: Logs ☒

SUBSEQUENT REPORT OF:

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

OTHER: Logs ☒

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.

2/4/07-3/20/07. See attached daily reports.

3/31/07. RU Gray WL, PU GR/CBL/CCL logging tool, RIH to 10352, RIH, pull GR/CBL/CCL from 10352-6950, POOH, PU GR/CNL/CCL logging tool, pull log from 10352-8900.

4/3/07. Test csg to 3000#, OK. Perforate Wolfcamp 10196-10256 @ 4spf, 240 shots.

4/4/07. Began producing Wolfcamp. NOTE: Amended completion papers will be filed no later than June 21st.

Per Mr. Andrew McCalmont Engineer with Chesapeake Operating Inc.:

We left a core barrel (fish) in the hole per the daily reports and had to set a plug then sidetrack on our way down to the Morrow. We elected to set pipe through the Wolfcamp in the sidetrack and not TD the well at the Morrow because the Wolfcamp was kicking and over-pressured. We elected to complete the well in the Wolfcamp to go after this high pressure zone. We set pipe then ran a cased hole log - it would have been too risky to run open hole logs.

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 NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☒.

SIGNATURE TITLE Regulatory Tech. DATE 06/19/2007

Type or print name Shay Stricklin

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

For State Use Only

APPROVED BY: **FOR RECORDS ONLY**

TITLE DATE JUL 06 2007

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 & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-35114	² Pool Code 96785	³ Pool Name Undesignated; Wolfcamp
⁴ Property Code 35956	⁵ Property Name Hayhurst 16 State	⁶ Well Number 1
⁷ OGRID No. 147179	⁸ Operator Name Chesapeake Operating Inc.	⁹ Elevation 3134 GR

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	16	25S	27E		660	South	660	East	Eddy

¹¹ 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
P	16	25S	27E		660	South	660	East	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				<p>¹⁷ 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 or has a right to drill this well at this 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</p> <p>Signature: <i>Shay Stricklin</i> Date: 06/06/2007</p> <p>Shay Stricklin Printed Name</p>
				<p>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.</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p>
				<p>Certificate Number</p>

INCLINATION REPORT

FIELD NAME Undesignated; Wolfcamp	LEASE NAME Hayhurst 16 - State #1
OPERATOR Chesapeake Operating Inc.	
ADDRESS 2010 Rankin Highway, Midland, TX 79701	
LOCATION (Section, Block, and Survey) Sec 16, T25S, R27E	County Eddy

RECORD OF INCLINATION

Measured Depth (feet)	Course Length (Hundreds of feet)	Angle of Inclination (Degrees)	Displacement per 100 feet (Sine of Angle x 100)	Course Displacement (Feet)	Accumulative Displacement (Feet)
450	450	0.75	1.31	5.89	5.89
1,100	650	0.75	1.31	8.51	14.40
2,000	900	0.75	1.31	11.78	26.18
2,890	890	0.75	1.31	11.65	37.83
3,831	941	1.00	1.75	16.42	54.25
4,678	847	2.00	3.49	29.56	83.81
5,613	935	1.75	3.05	28.55	112.37
6,571	958	1.25	2.18	20.90	133.26
7,500	929	1.25	2.18	20.27	153.53
8,411	911	0.75	1.31	11.92	165.45
8,876	465	1.00	1.75	8.12	173.57
9,800	924	1.60	2.79	25.80	199.37

Accumulative total displacement of well bore at total depth of
 Inclination measurements were made in ☐ Tubing

9,800 feet = 199.37 feet

☐ Casing

☐ Open Hole

☒ Drill Pipe

Inclination Data Certification

I declare that I am authorized to make this certification, that I have personal knowledge of the inclination data and facts placed on both sides of this form and that such data and facts are true, correct, and complete to the best of my knowledge.



5/24/07

Signature of Authorized Representative

Date

Mark Cochran CFO

Name of Person and Title

Latshaw Drilling Company, LLC

Name of Company

Telephone: 918-355-4380

Inclination Data Certification

I declare that I am authorized to make this certification, that I have personal knowledge of the inclination data and facts placed on both sides of this form and that such data and facts are true, correct, and complete to the best of my knowledge.



Signature of Authorized Representative

Date

Shay Stricklin Regulatory Tech.

Name of Person and Title

432-687-2992

Operator

Telephone:

Directional Survey Report

Chesapeake Operating, Inc.

Well ID: 611702

Well Name: Hayhurst 16 State 1

Well Bore: 10500

Plane of Vertical Section: 0 degrees

Kick Off Point: ft

from Well Bore:

Survey Type	Meas. Depth	Inc.	Azimuth	TVD	Coordinates		Closure	Vertical Section	Dog Leg Severity
					N-S	E-W			
** Tieln	0.0	0.00	0.0	0.0	N 0.0	E 0.0		0.0	
INC	240.0	1.00	0.0	240.0	N 2.1	E 0.0	2.1	2.1	0.417
INC	420.0	1.75	0.0	419.9	N 6.4	E 0.0	6.4	6.4	0.417
INC	540.0	0.75	0.0	539.9	N 9.0	E 0.0	9.0	9.0	0.833
INC	692.0	0.50	0.0	691.9	N 10.7	E 0.0	10.7	10.7	0.164
INC	1100.0	0.75	0.0	1099.9	N 15.1	E 0.0	15.1	15.1	0.061
INC	1509.0	0.75	0.0	1508.8	N 20.5	E 0.0	20.5	20.5	0.000
INC	2000.0	0.75	0.0	1999.8	N 26.9	E 0.0	26.9	26.9	0.000
INC	2390.0	0.75	0.0	2389.8	N 32.0	E 0.0	32.0	32.0	0.000
INC	2890.0	0.50	0.0	2889.7	N 37.5	E 0.0	37.5	37.5	0.050
INC	3390.0	0.75	0.0	3389.7	N 42.9	E 0.0	42.9	42.9	0.050
INC	3831.0	1.00	0.0	3830.6	N 49.7	E 0.0	49.7	49.7	0.057
INC	4270.0	2.00	0.0	4269.5	N 61.2	E 0.0	61.2	61.2	0.228
INC	4490.0	2.25	0.0	4489.3	N 69.3	E 0.0	69.3	69.3	0.114
INC	4678.0	2.00	0.0	4677.2	N 76.3	E 0.0	76.3	76.3	0.133
INC	4865.0	4.00	0.0	4863.9	N 86.1	E 0.0	86.1	86.1	1.070
INC	4960.0	3.00	0.0	4958.8	N 91.9	E 0.0	91.9	91.9	1.053
INC	5164.0	1.25	0.0	5162.6	N 99.4	E 0.0	99.4	99.4	0.858
INC	5613.0	1.75	0.0	5611.5	N 111.2	E 0.0	111.2	111.2	0.111
INC	6055.0	3.00	0.0	6053.1	N 129.5	E 0.0	129.5	129.5	0.283
INC	6149.0	1.00	0.0	6147.0	N 132.8	E 0.0	132.8	132.8	2.128
INC	6570.0	1.25	0.0	6567.9	N 141.1	E 0.0	141.1	141.1	0.059
INC	7070.0	2.00	0.0	7067.7	N 155.2	E 0.0	155.2	155.2	0.150
INC	7498.0	1.25	0.0	7495.5	N 167.4	E 0.0	167.4	167.4	0.175
INC	7940.0	0.75	0.0	7937.5	N 175.1	E 0.0	175.1	175.1	0.113
INC	8411.0	0.75	0.0	8408.4	N 181.2	E 0.0	181.2	181.2	0.000
INC	8876.0	1.00	0.0	8873.4	N 188.3	E 0.0	188.3	188.3	0.054
MWD	9037.0	0.60	0.0	9034.4	N 189.0	W 0.1	189.0	189.0	9.121
MWD	9133.0	0.30	0.0	9130.4	N 189.8	W 0.1	189.8	189.8	0.313
MWD	9228.0	0.50	0.0	9225.4	N 190.4	W 0.1	190.4	190.4	0.211

Directional Survey Report

Chesapeake Operating, Inc.

Well ID: 611702

Well Name: Hayhurst 16 State 1

Well Bore: 10500

Plane of Vertical Section: 0 degrees

Kick Off Point: ft

from Well Bore:

Survey Type	Meas. Depth	Inc.	Azimuth	TVD	Coordinates		Closure	Vertical Section	Dog Leg Severity
					N-S	E-W			
MWD	9323.0	0.60	0.0	9320.4	N 191.4	W 0.1	191.4	191.4	0.105
MWD	9418.0	0.80	0.0	9415.4	N 192.5	W 0.1	192.5	192.5	0.211
MWD	9513.0	1.10	0.0	9510.3	N 194.1	W 0.1	194.1	194.1	0.316
MWD	9609.0	1.10	0.0	9606.3	N 195.9	W 0.1	195.9	195.9	0.000
MWD	9702.0	1.30	0.0	9699.3	N 197.9	W 0.1	197.9	197.9	0.215
MWD	9800.0	1.60	0.0	9797.3	N 200.4	W 0.1	200.4	200.4	0.306
MWD	9895.0	1.40	0.0	9892.2	N 202.8	W 0.1	202.8	202.8	0.211
MWD	9991.0	1.30	0.0	9988.2	N 205.1	W 0.1	205.1	205.1	0.104
MWD	10087.0	1.20	0.0	10084.2	N 207.2	W 0.1	207.2	207.2	0.104
MWD	10182.0	1.60	0.0	10179.2	N 209.5	W 0.1	209.5	209.5	0.421
MWD	10278.0	1.30	0.0	10275.1	N 212.0	W 0.1	212.0	212.0	0.313
MWD	10372.0	1.00	0.0	10369.1	N 213.8	W 0.1	213.8	213.8	0.319
MWD	9025.0	0.50	191.5	9022.4	N 189.0	W 0.1	189.0	189.0	1.002

Directional Survey Report

Chesapeake Operating, Inc.

Well ID: 611702

Well Name: Hayhurst 16 State 1

Well Bore: Side Track 1

Plane of Vertical Section: 190.99 degrees

Kick Off Point: 9060 ft

from Well Bore: 10500

Survey Type	Meas. Depth				Coordinates		Closure	Vertical Section	Dog Leg Severity
		Inc.	Azimuth	TVD	N-S	E-W			
** Tieln	9075.0	1.00	285.6	9072.4	N 191.0	W 0.4	188.1	-187.4	0.000
MWD	9089.0	2.70	293.1	9086.4	N 191.2	W 0.8	191.2	-187.5	12.240
MWD	9119.0	7.90	298.3	9116.3	N 192.4	W 3.2	192.4	-188.3	17.389
MWD	9151.0	9.10	300.4	9147.9	N 194.7	W 7.4	194.9	-189.8	3.873
MWD	9203.0	8.90	298.8	9199.3	N 198.7	W 14.4	199.3	-192.4	0.616
MWD	9236.0	8.90	299.7	9231.9	N 201.2	W 18.9	202.1	-194.0	0.422
MWD	9299.0	8.90	298.9	9294.1	N 206.0	W 27.4	207.8	-197.0	0.196
MWD	9364.0	8.90	300.1	9358.3	N 211.0	W 36.1	214.0	-200.2	0.286
MWD	9427.0	8.00	304.1	9420.6	N 215.9	W 44.0	220.3	-203.5	1.705
MWD	9491.0	6.90	304.0	9484.1	N 220.5	W 50.9	226.3	-206.8	1.719
MWD	9560.0	6.80	303.8	9552.6	N 225.1	W 57.7	232.4	-210.0	0.149
MWD	9591.0	6.50	305.6	9583.4	N 227.1	W 60.6	235.1	-211.4	1.178
MWD	9623.0	6.00	305.3	9615.2	N 229.2	W 63.5	237.8	-212.9	1.566
MWD	9688.0	5.80	303.9	9679.9	N 233.0	W 69.0	243.0	-215.5	0.379
MWD	9751.0	4.70	300.8	9742.6	N 236.1	W 73.8	247.3	-217.7	1.803
MWD	9815.0	4.00	297.5	9806.4	N 238.4	W 78.1	250.9	-219.2	1.161
MWD	9878.0	2.10	268.1	9869.3	N 239.4	W 81.2	252.8	-219.5	3.813
MWD	9942.0	2.20	178.3	9933.3	N 238.1	W 82.3	252.0	-218.1	4.743
MWD	10004.0	4.40	153.5	9995.2	N 234.8	W 81.2	248.5	-215.0	4.151
MWD	10068.0	6.60	139.4	10058.9	N 229.8	W 77.7	242.6	-210.8	4.009
MWD	10131.0	9.50	134.9	10121.3	N 223.4	W 71.7	234.6	-205.6	4.707
MWD	10163.0	10.70	137.4	10152.8	N 219.4	W 67.8	229.6	-202.4	3.992
MWD	10257.0	11.10	136.4	10245.1	N 206.4	W 55.7	213.8	-192.0	0.471
MWD	10320.0	11.10	136.4	10306.9	N 197.6	W 47.3	203.2	-185.0	0.000
MWD	10352.0	11.00	137.6	10338.3	N 193.1	W 43.1	197.9	-181.4	0.784