

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

Form C-103
June 19, 2008

RECEIVED

DEC 01 2008

HOBSOCD

WELL API NO. 30-025-39053
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Cattleman 4 State
8. Well Number 3
9. OGRID Number 147179
10. Pool name or Wildcat Osudo; Morrow, South (Gas)
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3630' GR

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 18496 Oklahoma City, OK 73154-0496	
4. Well Location Unit Letter C : 660' feet from the North line and 1720' feet from the West line Section 4 Township 21 S Range 35 E NMPM County Lea	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3630' GR	

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 ☐
DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

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

OTHER: Cementing on 7" Casing ☐

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.

Dear Sirs/Madams:

Chesapeake Operating, Inc. respectfully request to make corrections of the number of sacks of cement & to change the TOC for the 7 "string of casing on this well.

Estimated TOC for the 7" casing will be @ 4900', which will be @ 500' up into the 9 5/8" intermediate casing string.

The estimated number of sacks of cement are to be 440 sxs lead; 11.9 ppg, 2.45 yield.

400 sxs tail, 13.2 ppg, 1.6 yield.

All other parameters are to remain the same.

Spud Date:

Rig Release Date:

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

SIGNATURE Linda Weeks

TITLE Reg. Compliance Sp.

DATE 09/05/2008

Type or print name Linda Weeks

E-mail address: linda.weeks@chk.com

PHONE: (405)879-6854

For State Use Only

APPROVED BY:

[Signature]

TITLE

PETROLEUM ENGINEER

DATE

DEC 08 2008

Conditions of Approval (If any):

Results of Directional Survey

API number:	30-025-39053		
OGRID:		Operator:	CHESAPEAKE OPERATING INC
		Property:	CATTLEMAN 4 STATE # 3

surface	ULSTR:	C	04	T 21S	R 35E
		LOT 3	660	FNL	1720 FWL

BH Loc	ULSTR:	C	04	T 21S	R 35E
		LOT 3	481	FNL	1700 FWL

	MD	N/S	E/W	VD
	11213	175.60	-16.40	11209.5
TOP PERFS/OH	11260	176.11	-16.96	11256.47
	11516	178.90	-20.00	11512.30
	11213	175.60	-16.40	11209.5
BOT PERFS/OH	11290	176.44	-17.31	11286.45
	11516	178.90	-20.00	11512.30

NEXT TO LAST	11213	175.60	-16.40	11209.5
LAST READING	11516	178.90	-20.00	11512.30
TD	11556	179.34	-20.48	11552.27

Surface Location	660	FN	1720	FW
Projected BHL	481	FN	1700	FW
Location of				
Top Perfs/OH	484	FN	1703	FW
Bottom Perfs/OH	484	FN	1703	FW

SUMMARY of Subsurface Locations

Surface Location	C-04-21S-35E	660	FN	1720	FW	Vert. Depth
Top Perfs/OH	C-04-21S-35E	484	FN	1703	FW	11256.47
Bottom Perfs/OH	C-04-21S-35E	484	FN	1703	FW	11286.45
Projected TD	C-04-21S-35E	481	FN	1700	FW	11552.27

SUR: C-4-21s-35e, 660/N & 1720/W
 BHL: C-4-21s-35e, 481/N & 1700/W
 API # 30-025-39053

Directional Survey

Well ID: 618728

Field: Grama Ridge

Chesapeake Operating, Inc.

Well Name: Cattleman 4 State 3

Section: 21S Rng: 35E County: Lea State: NM

Survey	Measured				Coordinates			Vertical	Dog Leg
Type	Depth	Inclination	Azimuth	TVD	N-S	E-W	Closure	Section	Severity
Wellbore:	Original Well Bore				Plane of Vertical Section:			0.0	
** Tieln	0.0	0.00	0.0	0.0	N 0.0	E 0.0		0.0	
MWD	10.4	1.40	308.7	10.4	N 0.1	W 0.1	0.1	0.1	13.462
INC	230.0	0.75	0.0	230.0	N 3.2	W 2.2	3.9	3.2	0.501
INC	403.0	0.50	0.0	403.0	N 5.1	W 2.2	5.5	5.1	0.145
MWD	629.0	0.50	0.0	628.9	N 7.1	W 2.2	7.4	7.1	0.000
MWD	965.0	0.40	0.0	964.9	N 9.7	W 2.2	9.9	9.7	0.030
MWD	1,193.0	0.30	0.0	1,192.9	N 11.1	W 2.2	11.3	11.1	0.044
INC	1,533.0	0.75	0.0	1,532.9	N 14.2	W 2.2	14.4	14.2	0.132
MWD	1,806.0	0.80	0.0	1,805.9	N 17.9	W 2.2	18.0	17.9	0.018
MWD	2,186.0	0.70	0.0	2,185.9	N 22.9	W 2.2	23.0	22.9	0.026
MWD	2,300.0	0.30	0.0	2,299.9	N 23.9	W 2.2	24.0	23.9	0.351
MWD	2,409.0	0.90	0.0	2,408.8	N 25.0	W 2.2	25.1	25.0	0.550
MWD	2,600.0	0.30	0.0	2,599.8	N 27.0	W 2.2	27.1	27.0	0.314
MWD	2,724.0	0.20	0.0	2,723.8	N 27.5	W 2.2	27.6	27.5	0.081
MWD	2,855.0	0.70	0.0	2,854.8	N 28.6	W 2.2	28.7	28.6	0.382
MWD	2,982.0	1.00	0.0	2,981.8	N 30.5	W 2.2	30.5	30.5	0.236
MWD	3,046.0	1.40	0.0	3,045.8	N 31.8	W 2.2	31.9	31.8	0.625
MWD	3,110.0	1.40	0.0	3,109.8	N 33.4	W 2.2	33.4	33.4	0.000
MWD	3,173.0	1.00	0.0	3,172.8	N 34.7	W 2.2	34.7	34.7	0.635
MWD	3,238.0	0.70	0.0	3,237.8	N 35.6	W 2.2	35.7	35.6	0.462
MWD	3,298.0	1.10	0.0	3,297.8	N 36.6	W 2.2	36.7	36.6	0.667
MWD	3,362.0	1.40	0.0	3,361.7	N 38.0	W 2.2	38.0	38.0	0.469
MWD	3,488.0	0.90	0.0	3,487.7	N 40.5	W 2.2	40.6	40.5	0.397
MWD	3,554.0	0.50	0.0	3,553.7	N 41.3	W 2.2	41.4	41.3	0.606
MWD	3,618.0	0.90	0.0	3,617.7	N 42.1	W 2.2	42.2	42.1	0.625
MWD	3,714.0	0.30	0.0	3,713.7	N 43.1	W 2.2	43.2	43.1	0.625
INC-T	3,830.0	0.50	0.0	3,829.7	N 43.9	W 2.2	44.0	43.9	0.172
MWD	3,912.0	0.40	0.0	3,911.7	N 44.6	W 2.2	44.6	44.6	0.122
MWD	4,217.0	0.20	0.0	4,216.7	N 46.2	W 2.2	46.2	46.2	0.066
INC-T	4,350.0	0.25	0.0	4,349.7	N 46.7	W 2.2	46.7	46.7	0.038
MWD	4,633.0	0.30	0.0	4,632.7	N 48.0	W 2.2	48.1	48.0	0.018
MWD	4,887.0	0.30	0.0	4,886.7	N 49.4	W 2.2	49.4	49.4	0.000
INC	5,087.0	0.25	0.0	5,086.7	N 50.3	W 2.2	50.4	50.3	0.025
MWD	5,375.0	0.20	0.0	5,374.7	N 51.5	W 2.2	51.5	51.5	0.017
MWD	5,631.0	0.30	0.0	5,630.7	N 52.6	W 2.2	52.6	52.6	0.039
MWD	5,887.0	0.40	0.0	5,886.7	N 54.1	W 2.2	54.2	54.1	0.039
MWD	6,174.0	0.30	0.0	6,173.7	N 55.9	W 2.2	55.9	55.9	0.035
MWD	6,463.0	1.40	0.0	6,462.6	N 60.2	W 2.2	60.2	60.2	0.381
MWD	6,620.0	1.60	0.0	6,619.6	N 64.3	W 2.2	64.3	64.3	0.127
MWD	6,748.0	1.60	0.0	6,747.5	N 67.9	W 2.2	67.9	67.9	0.000
MWD	6,876.0	1.70	0.0	6,875.5	N 71.5	W 2.2	71.6	71.5	0.078

MWD	7,035.0	1.00	0.0	7,034.4	N 75.3	W 2.2	75.3	75.3	0.440
MWD	7,187.0	1.40	0.0	7,186.4	N 78.5	W 2.2	78.5	78.5	0.263
MWD	7,319.0	1.00	0.0	7,318.4	N 81.2	W 2.2	81.3	81.2	0.303
INC	7,437.0	1.00	0.0	7,436.3	N 83.3	W 2.2	83.3	83.3	0.000
MWD	7,632.0	1.10	0.0	7,631.3	N 86.9	W 2.2	86.9	86.9	0.051
MWD	7,912.0	2.40	0.0	7,911.2	N 95.4	W 2.2	95.5	95.4	0.464
MWD	7,986.0	2.20	0.0	7,985.1	N 98.4	W 2.2	98.4	98.4	0.270
MWD	8,034.0	2.30	0.0	8,033.1	N 100.3	W 2.2	100.3	100.3	0.208
MWD	8,063.0	1.40	0.0	8,062.1	N 101.2	W 2.2	101.2	101.2	3.103
MWD	8,163.0	1.60	0.0	8,162.0	N 103.8	W 2.2	103.9	103.8	0.200
MWD	8,256.0	2.00	0.0	8,255.0	N 106.8	W 2.2	106.8	106.8	0.430
MWD	8,341.0	1.30	0.0	8,339.9	N 109.2	W 2.2	109.2	109.2	0.824
MWD	8,436.0	0.90	0.0	8,434.9	N 111.0	W 2.2	111.0	111.0	0.421
MWD	8,540.0	0.90	0.0	8,538.9	N 112.7	W 2.2	112.7	112.7	0.000
MWD	8,596.0	0.90	0.0	8,594.9	N 113.5	W 2.2	113.6	113.5	0.000
MWD	8,720.0	0.60	0.0	8,718.9	N 115.2	W 2.2	115.2	115.2	0.242
MWD	8,908.0	1.10	0.0	8,906.9	N 118.0	W 2.2	118.0	118.0	0.266
MWD	9,006.0	1.20	0.0	9,004.9	N 119.9	W 2.2	119.9	119.9	0.102
MWD	9,105.0	2.10	0.0	9,103.8	N 122.8	W 2.2	122.8	122.8	0.909
MWD	9,200.0	1.20	0.0	9,198.8	N 125.5	W 2.2	125.5	125.5	0.947
MWD	9,251.0	1.20	0.0	9,249.8	N 126.6	W 2.2	126.6	126.6	0.000
MWD	9,320.0	1.10	0.0	9,318.7	N 128.0	W 2.2	128.0	128.0	0.145
MWD	9,450.0	1.20	0.0	9,448.7	N 130.6	W 2.2	130.6	130.6	0.077
MWD	9,575.0	0.70	0.0	9,573.7	N 132.6	W 2.2	132.7	132.6	0.400
MWD	9,723.0	1.90	0.0	9,721.7	N 136.0	W 2.2	136.0	136.0	0.811
MWD	9,785.0	5.30	0.0	9,783.5	N 139.9	W 2.2	139.9	139.9	5.484
INC	9,815.0	4.50	0.0	9,813.4	N 142.5	W 2.2	142.5	142.5	2.667
MWD	9,855.0	6.00	0.0	9,853.3	N 146.1	W 2.2	146.1	146.1	3.750
MWD	9,882.0	6.00	0.0	9,880.1	N 148.9	W 2.2	148.9	148.9	0.000
MWD	9,913.0	5.80	0.0	9,910.9	N 152.1	W 2.2	152.1	152.1	0.645
MWD	9,956.0	6.00	0.0	9,953.7	N 156.5	W 2.2	156.6	156.5	0.465
MWD	9,987.0	5.80	0.0	9,984.5	N 159.7	W 2.2	159.7	159.7	0.645
MWD	10,032.0	6.00	0.0	10,029.3	N 164.4	W 2.2	164.4	164.4	0.444
MWD	10,113.0	4.90	5.4	10,109.9	N 172.0	W 1.9	172.0	172.0	1.497
MWD	10,208.0	2.50	336.9	10,204.7	N 178.0	W 2.3	178.0	178.0	3.109
INC-T	10,213.0	3.00	0.0	10,209.7	N 178.2	W 2.3	178.2	178.2	24.098
MWD	10,304.0	1.40	308.7	10,300.7	N 181.3	W 3.2	181.3	181.3	2.625
MWD	10,399.0	0.10	212.5	10,395.7	N 181.9	W 4.2	182.0	181.9	1.489
MWD	10,494.0	0.70	270.2	10,490.7	N 181.9	W 4.8	181.9	181.9	0.686
MWD	10,588.0	1.10	313.4	10,584.7	N 182.5	W 6.0	182.6	182.5	0.808
MWD	10,683.0	0.50	287.6	10,679.6	N 183.2	W 7.1	183.4	183.2	0.721
MWD	10,779.0	1.00	266.2	10,775.6	N 183.3	W 8.3	183.5	183.3	0.588
MWD	10,874.0	1.40	240.3	10,870.6	N 182.7	W 10.1	183.0	182.7	0.699
MWD	10,970.0	0.90	221.8	10,966.6	N 181.5	W 11.7	181.9	181.5	0.642
MWD	11,064.0	1.90	218.1	11,060.6	N 179.8	W 13.1	180.2	179.8	1.068
MWD	11,213.0	2.20	218.3	11,209.5	N 175.6	W 16.4	176.3	175.6	0.201
INC-T	11,516.0	3.00	0.0	11,512.3	N 178.9	W 20.0	180.1	178.9	1.623

Calculations use Minimum Curvature Method.

REFERENCE SHEET FOR
UNDESIGNATED WELLS

	Fm	Pm	N	Pc
17-21 C	XX	XX		XX

1. Date.	12/2/2008
2. Type of Well:	
Oil:	
Gas:	XX
3. County:	LEA

paragraph

4. Operator	CHESAPEAKE OPERATING INC			API NUMBER	30 - 025 - 39053
5. Address of Operator	PO BOX 18496 OKLAHOMA CITY OK 73154-0496				
6. Lease name or Unit Agreement Name	CATTLEMAN 4 STATE				Well Number # - 3
8. Well Location	Unit Letter. C	660/481	feet from the N line and 1720/1700 feet from the W line	Section 4	Township 21S Range 35E
9. Completion Date	10/31/2008	11. Perfs	Top 11260	Bottom 11290	TD 11556
10. Name of Producing Formation(s)	12. Open Hole Casing shoe		Bottom	PBTD 11462	
13. C-123 Filed	Date	15. Name of Pool Requested or temporary Wildcat designation	Pool ID num		
Y	N	XX	OSUDO;MORROW, SOUTH (GAS)		82200
16. Remarks	EXTEND				

TO BE COMPLETED BY DISTRICT GEOLOGIST

17. Action taken	18. Pool Name	Pool ID num
EXTEND	OSUDO;MORROW, SOUTH (GAS)	82200
T 20 S, R 36 E SEC 28: W/2 SEC 32: E/2 SEC 33: W/2 T 21 S, R 35 E SEC 3: Lots 3, 4, 5 and 6 SEC 4: Lots 1,2,3,4,5,6,7,8,9,10,11, 12,13,14,15 & 16 SEC 22: W/2		

19. Advertised for HEARING	20. Case Number
21. Name of pool for which was advertised	Pool ID num
OSUDO;MORROW, SOUTH (GAS)	82200
22. Placed in Pool	23. By order number
	R-