

DEC 22 2009

FORM APPROVED
OMB NO 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

5. Lease Serial No NMNM105887
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No.
8. Well Name and No. WRINKLE 13 FEDERAL COM 1H
9. API Well No. 30-005-27994-00-X1
10. Field and Pool, or Exploratory WILDCAT-WOLFCAMP
11. County or Parish, and State CHAVES COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other	Contact: LINDA GOOD E-Mail: linda.good@chk.com	8. Well Name and No. WRINKLE 13 FEDERAL COM 1H
2. Name of Operator CHESAPEAKE OPERATING INC	3b. Phone No. (include area code) Ph: 405-935-4275	9. API Well No. 30-005-27994-00-X1
3a. Address P.O. BOX 18496 OKLAHOMA CITY, OK 73154-0496	10. Field and Pool, or Exploratory WILDCAT-WOLFCAMP	11. County or Parish, and State CHAVES COUNTY, NM
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 13 T15S R31E NESE 1980FSL 330FEL 33.01434 N Lat, 103.76752 W Lon		

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A PD
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

CHESAPEAKE, RESPECTFULLY, REQUESTS A QUICK APPROVAL TO UPDATE OUR DRILLING PLAN. WE PLAN TO SPUD THIS WELL 12/22/2009. DIFFERENCES FROM OUR PLAN AND THE APD ARE AS FOLLOWS:

NO PILOT HOLE
HORIZONTAL TVD = 8988'
THE ENTIRE 5.5" CASING STRING WILL HAVE LTC COLLARS NOT BTC FOR PART OF IT
THE NEW CEMENT VOLUMES AS ON THE ATTACHED SCHEMATIC
IN OUR 400'-4000' INTERVAL MUD WEIGHT WILL GET UP TO 10.0 PPG.

THE DIRECTIONAL PLAN IS SLIGHTLY DIFFERENT - ATTACHED.

REVISED WELLBORE SCHEMATIC ATTACHED.

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #78919 verified by the BLM Well Information System For CHESAPEAKE OPERATING INC, sent to the Roswell Committed to AFMSS for processing by DAVID GLASS on 12/18/2009 (10DG0039SE)	
Name (Printed/Typed) LINDA GOOD	Title SR. REGULATORY COMPLIANCE SPEC
Signature (Electronic Submission)	Date 12/17/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By: DAVID R GLASS	Title: PETROLEUM ENGINEER	Date: 12/18/2009
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office Roswell	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

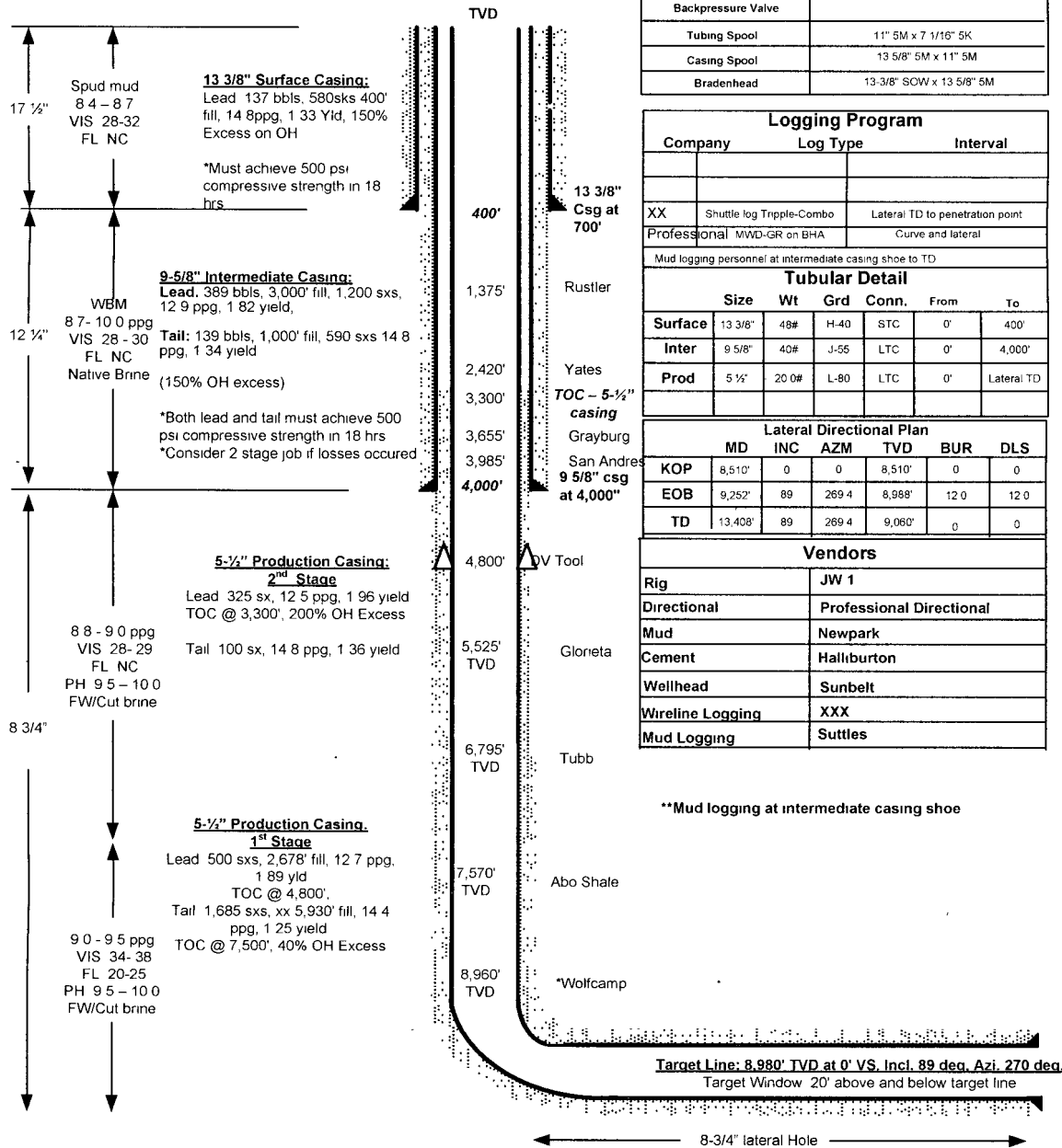
Revisions to Operator-Submitted EC Data for Sundry Notice #78919

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	APDCH NOI	APDCH NOI
Lease:	NMNM105887	NMNM105887
Agreement:	PENDING	
Operator:	CHESAPEAKE OPERATING, INC. P O. BOX 18496 OKLAHOMA CITY, OK 73154-0496 Ph: 405-935-4275	CHESAPEAKE OPERATING INC P O. BOX 18496 OKLAHOMA CITY, OK 73154-0496 Ph. 405.767.4275
Admin Contact:	LINDA GOOD SR. REGULATORY COMPLIANCE SPEC E-Mail: linda.good@chk.com Ph: 405-935-4275	LINDA GOOD SR. REGULATORY COMPLIANCE SPEC E-Mail: linda.good@chk.com Ph: 405-935-4275
Tech Contact:	LINDA GOOD SR REGULATORY COMPLIANCE SPEC E-Mail: linda.good@chk.com Ph: 405-935-4275	LINDA GOOD SR. REGULATORY COMPLIANCE SPEC E-Mail: linda.good@chk.com Ph 405-935-4275
Location: State County:	NM CHAVES	NM CHAVES
Field/Pool:	WILDCAT - WOLFCAMP	WILDCAT-WOLFCAMP
Well/Facility:	WRINKLE 13 FEDERAL COM 1H Sec 13 T15S R31E NESE 1980FSL 330FEL	WRINKLE 13 FEDERAL COM 1H Sec 13 T15S R31E NESE 1980FSL 330FEL 33.01434 N Lat, 103.76752 W Lon

Chesapeake Operating Inc

Proposed Drilling Program

Well : Wrinkle 13 Federal Com 1H
Field : Delaware Basin North
County : Chaves **State** : NM
Surf Locat : Section 13-15S-31E, 1,980' FSL & 330' FEL
BH Locat : Section 13-15S-31E, 1,980' FSL & 330' FWL
KB Elev : 4,381' (Estimate) **Grd Elev** : 4,359'



Wellhead Equipment

Tree Connection	
Backpressure Valve	
Tubing Spool	11" 5M x 7 1/16" 5K
Casing Spool	13 5/8" 5M x 11" 5M
Bradenhead	13-3/8" SOW x 13 5/8" 5M

Logging Program

Company	Log Type	Interval
XX	Shuttle log Tripple-Combo	Lateral TD to penetration point
Professional	MWD-GR on BHA	Curve and lateral
Mud logging personnel at intermediate casing shoe to TD		

Tubular Detail

	Size	Wt	Grd	Conn.	From	To
Surface	13 3/8"	48#	H-40	STC	0'	400'
Inter	9 5/8"	40#	J-55	LTC	0'	4,000'
Prod	5 1/2"	20 0#	L-80	LTC	0'	Lateral TD

Lateral Directional Plan

	MD	INC	AZM	TVD	BUR	DLS
KOP	8,510'	0	0	8,510'	0	0
EOB	9,252'	89	269 4	8,988'	12 0	12 0
TD	13,408'	89	269 4	9,060'	0	0

Vendors

Rig	JW 1
Directional	Professional Directional
Mud	Newpark
Cement	Halliburton
Wellhead	Sunbelt
Wireline Logging	XXX
Mud Logging	Suttles

**Mud logging at intermediate casing shoe

Directional Planning: KOP @ ~8,503' MD/TVD, build angle at 12 0°/100' along 270° azimuth to 89° inc at 9,244' MD/8,980' TVD Drill lateral section to TD at 13,401' MD/9,053' TVD, 4 625' VS

HARDLINES: Must stay 1,680' FSL, 330' FWL and 330' FEL of sections 13.

Drawn by	Date	AFE No	Property No	Drilling Engineer	Drilling Superintendent	Geologist
YA	Rev #0 11/12/09	145932	618706	Yemi Ajijolaiya	Cecil Luttrull	Robert Martin

	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V.Sec (ft)	DLeg (°/100ft)
1	0	0	0	0	0	0	0	0
2	100	0	0	100	0	0	0	0
3	200	0	0	200	0	0	0	0
4	300	0	0	300	0	0	0	0
5	400	0	0	400	0	0	0	0
6	500	0	0	500	0	0	0	0
7	600	0	0	600	0	0	0	0
8	700	0	0	700	0	0	0	0
9	800	0	0	800	0	0	0	0
10	900	0	0	900	0	0	0	0
11	1000	0	0	1000	0	0	0	0
12	1100	0	0	1100	0	0	0	0
13	1200	0	0	1200	0	0	0	0
14	1300	0	0	1300	0	0	0	0
15	1400	0	0	1400	0	0	0	0
16	1500	0	0	1500	0	0	0	0
17	1600	0	0	1600	0	0	0	0
18	1700	0	0	1700	0	0	0	0
19	1800	0	0	1800	0	0	0	0
20	1900	0	0	1900	0	0	0	0
21	2000	0	0	2000	0	0	0	0
22	2100	0	0	2100	0	0	0	0
23	2200	0	0	2200	0	0	0	0
24	2300	0	0	2300	0	0	0	0
25	2400	0	0	2400	0	0	0	0
26	2500	0	0	2500	0	0	0	0
27	2600	0	0	2600	0	0	0	0
28	2700	0	0	2700	0	0	0	0
29	2800	0	0	2800	0	0	0	0
30	2900	0	0	2900	0	0	0	0
31	3000	0	0	3000	0	0	0	0
32	3100	0	0	3100	0	0	0	0
33	3200	0	0	3200	0	0	0	0
34	3300	0	0	3300	0	0	0	0
35	3400	0	0	3400	0	0	0	0
36	3500	0	0	3500	0	0	0	0
37	3600	0	0	3600	0	0	0	0
38	3700	0	0	3700	0	0	0	0
39	3800	0	0	3800	0	0	0	0
40	3900	0	0	3900	0	0	0	0
41	4000	0	0	4000	0	0	0	0
42	4100	0	0	4100	0	0	0	0
43	4200	0	0	4200	0	0	0	0
44	4300	0	0	4300	0	0	0	0
45	4400	0	0	4400	0	0	0	0
46	4500	0	0	4500	0	0	0	0
47	4600	0	0	4600	0	0	0	0
48	4700	0	0	4700	0	0	0	0
49	4800	0	0	4800	0	0	0	0
50	4900	0	0	4900	0	0	0	0
51	5000	0	0	5000	0	0	0	0
52	5100	0	0	5100	0	0	0	0
53	5200	0	0	5200	0	0	0	0

54	5300	0	0	5300	0	0	0	0
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57	5600	0	0	5600	0	0	0	0
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72	7100	0	0	7100	0	0	0	0
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74	7300	0	0	7300	0	0	0	0
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81	8000	0	0	8000	0	0	0	0
82	8100	0	0	8100	0	0	0	0
83	8200	0	0	8200	0	0	0	0
84	8300	0	0	8300	0	0	0	0
85	8400	0	0	8400	0	0	0	0
86	8502.6	0	0	8502.6	0	0	0	0
87	8525	2.69	270	8525	0	-0.5	0.5	12
88	8550	5.69	270	8549.9	0	-2.4	2.4	12
89	8575	8.69	270	8574.7	0	-5.5	5.5	12
90	8600	11.69	270	8599.3	0	-9.9	9.9	12
91	8625	14.69	270	8623.7	0	-15.6	15.6	12
92	8650	17.69	270	8647.7	0	-22.6	22.6	12
93	8675	20.69	270	8671.3	0	-30.8	30.8	12
94	8700	23.69	270	8694.4	0	-40.2	40.2	12
95	8725	26.69	270	8717	0	-50.9	50.9	12
96	8750	29.69	270	8739.1	0	-62.7	62.7	12
97	8775	32.69	270	8760.5	0	-75.6	75.6	12
98	8800	35.69	270	8781.1	0	-89.7	89.7	12
99	8825	38.69	270	8801.1	0	-104.8	104.8	12
100	8850	41.69	270	8820.1	0	-120.9	120.9	12
101	8875	44.69	270	8838.4	0	-138	138	12
102	8900	47.69	270	8855.7	0	-156.1	156.1	12
103	8925	50.69	270	8872	0	-175	175	12
104	8950	53.69	270	8887.3	0	-194.7	194.7	12
105	8975	56.69	270	8901.6	0	-215.2	215.2	12
106	9000	59.69	270	8914.8	0	-236.5	236.5	12
107	9025	62.69	270	8926.8	0	-258.4	258.4	12
108	9050	65.69	270	8937.7	0	-280.9	280.9	12

109	9075	68.69	270	8947.4	0	-303.9	303.9	12
110	9100	71.69	270	8955.9	0	-327.4	327.4	12
111	9125	74.69	270	8963.1	0	-351.4	351.4	12
112	9150	77.69	270	8969.1	0	-375.7	375.7	12
113	9175	80.69	270	8973.8	0	-400.2	400.2	12
114	9200	83.69	270	8977.2	0	-425	425	12
115	9225	86.69	270	8979.3	0	-449.9	449.9	12
116	9244.3	89	270	8980	0	-469.1	469.1	12
117	9300	89	270	8981	0	-524.9	524.9	0
118	9400	89	270	8982.7	0	-624.8	624.8	0
119	9500	89	270	8984.5	0	-724.8	724.8	0
120	9600	89	270	8986.2	0	-824.8	824.8	0
121	9700	89	270	8987.9	0	-924.8	924.8	0
122	9800	89	270	8989.7	0	-1024.8	1024.8	0
123	9900	89	270	8991.4	0	-1124.8	1124.8	0
124	10000	89	270	8993.2	0	-1224.8	1224.8	0
125	10100	89	270	8994.9	0	-1324.7	1324.7	0
126	10200	89	270	8996.7	0	-1424.7	1424.7	0
127	10300	89	270	8998.4	0	-1524.7	1524.7	0
128	10400	89	270	9000.2	0	-1624.7	1624.7	0
129	10500	89	270	9001.9	0	-1724.7	1724.7	0
130	10600	89	270	9003.7	0	-1824.7	1824.7	0
131	10700	89	270	9005.4	0	-1924.6	1924.6	0
132	10800	89	270	9007.1	0	-2024.6	2024.6	0
133	10900	89	270	9008.9	0	-2124.6	2124.6	0
134	11000	89	270	9010.6	0	-2224.6	2224.6	0
135	11100	89	270	9012.4	0	-2324.6	2324.6	0
136	11200	89	270	9014.1	0	-2424.6	2424.6	0
137	11300	89	270	9015.9	0	-2524.6	2524.6	0
138	11400	89	270	9017.6	0	-2624.5	2624.5	0
139	11500	89	270	9019.4	0	-2724.5	2724.5	0
140	11600	89	270	9021.1	0	-2824.5	2824.5	0
141	11700	89	270	9022.9	0	-2924.5	2924.5	0
142	11800	89	270	9024.6	0	-3024.5	3024.5	0
143	11900	89	270	9026.3	0	-3124.5	3124.5	0
144	12000	89	270	9028.1	0	-3224.4	3224.4	0
145	12100	89	270	9029.8	0	-3324.4	3324.4	0
146	12200	89	270	9031.6	0	-3424.4	3424.4	0
147	12300	89	270	9033.3	0	-3524.4	3524.4	0
148	12400	89	270	9035.1	0	-3624.4	3624.4	0
149	12500	89	270	9036.8	0	-3724.4	3724.4	0
150	12600	89	270	9038.6	0	-3824.4	3824.4	0
151	12700	89	270	9040.3	0	-3924.3	3924.3	0
152	12800	89	270	9042	0	-4024.3	4024.3	0
153	12900	89	270	9043.8	0	-4124.3	4124.3	0
154	13000	89	270	9045.5	0	-4224.3	4224.3	0
155	13100	89	270	9047.3	0	-4324.3	4324.3	0
156	13200	89	270	9049	0	-4424.3	4424.3	0
157	13300	89	270	9050.8	0	-4524.2	4524.2	0
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