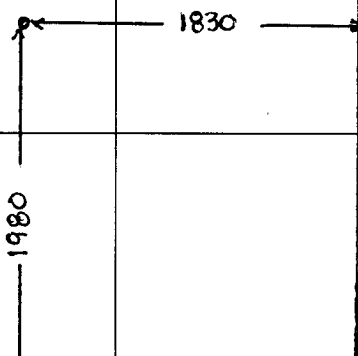


16			<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein true and complete to the best of my knowledge and belief.</p> <p><u>Brenda Coffman</u></p> <p>Signature</p> <p>Brenda Coffman</p> <p>Printed Name</p> <p>Regulatory Analyst</p> <p>bcoffman@chkenergy.com</p> <p>Title and E-mail Address</p> <p>07/14/2004</p> <p>Date</p>
<p>RECEIVED</p> <p>JUL 19 2004</p> <p>OCB-ARTESIA</p>			<p>18 SURVEYOR CERTIFICATION</p> <p>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>

HENSHAW ~~2004~~ FEDERAL A 1-14 30-015-32891

SEC. 14, 16S, 30E

EDDY COUNTY, NEW MEXICO

LEASE & WELL

(Give Unit, Section, Township and Range)

OPERATOR

CHESAPEAKE OPERATING, INC. P.O. BOX 18496 OKLAHOMA CITY, OK 7315

DRILLING CONTRACTOR

NABORS DRILLING USA, LP

The Undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

DEGREES @ DEPTH	DEGREES @ DEPTH	DEGREES @ DEPTH	DEGREES @ DEPTH
1/2 220	1 1/4 4069		
1 3/4 576	1 1/4 4545		
2 822	1 5018		
1 1/2 1046	1 1/4 5518		
2 1/2 1298	1 6059		
2 3/4 1393	3/4 6560		
2 1512	1/2 8907		
1 1/4 1575	1 9379		
1 1703	1 3/4 12708		
1 1987			
1 1/4 2492			
3/4 2751			
3/4 3003			
1 3120			
1 1/4 3564			

RECEIVED

JUL 19 2004

ORD-ARTESIA

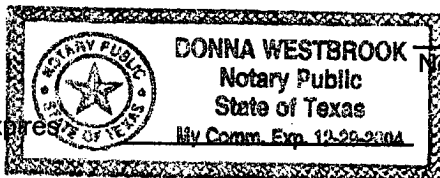
Drilling Contractor

Nabors Drilling USA, LP

By

Don Nelson-District Drilling Superintendent

Subscribed and sworn to before me this 20 day of April, 2004



My Commission Expires

MIDLAND

County

TEXAS

30-015-32891

Directional Survey Report**Chesapeake Operating Company****Well ID: 819500****Well Name: Henshaw Federal A 1-14****Well Bore: Original Well Bore****Plane of Vertical Section: 0.0 degrees**

Survey Type	Meas. Depth	Inc.	Azimuth	TVD	Coordinates		Closure	Vertical Section	Dog Leg Severity
					N-S	E-W			
INC	9987.0	1.90	154.7	9986.2	S 12.2	E 50.6	52.0	-12.2	0.170
INC	10386.0	1.50	192.1	10384.0	S 23.2	E 52.3	57.2	-23.2	0.289
INC	10889.0	1.60	180.3	10886.9	S 36.7	E 50.9	62.7	-36.7	0.066
INC	11106.0	1.60	182.4	11103.8	S 42.8	E 50.7	66.4	-42.8	0.027
INC	11452.0	0.80	198.9	11449.7	S 49.9	E 49.7	70.4	-49.9	0.250
INC	11721.0	1.00							
INC	11880.0	1.20	237.9	11877.6	S 55.1	E 45.0	71.1	-55.1	0.179
INC	12380.0	1.30	197.1	12377.5	S 63.3	E 38.9	74.3	-63.3	0.175
INC	12743.0	1.75							

Calculations using Minimum Curvature Method

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