

District I
1625 N French Dr., Hobbs, NM 88240
Phone (575) 393-6161 Fax (575) 393-0720
District II
811 S First St., Artesia, NM 88210
Phone (575) 748-1283 Fax (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone (505) 334-6178 Fax (505) 334-6170
District IV
1220 S St Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3460 Fax (505) 476-3462

State of New Mexico

Form C-101
Revised December 16, 2011

Energy Minerals and Natural Resources

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

Permit

HOBBS OCD

JUL 26 2012

RECEIVED

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Bluestem Energy Holdings, LLC 421 W. 3rd St., Suite 700, Fort Worth, TX 76102		² OGRID Number 286989
⁴ Property Code 393109	³ Property Name Bobwhite 12H	⁵ API Number 30-025-40701

⁷ Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
C	12	21 S	33 E		275	North	1491	West	Lea

⁸ Pool Information

Will drill lateral in either 2nd or 3rd Bone Spring sand.	
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Additional Well Information

⁹ Work Type DN	¹⁰ Well Type O	¹¹ Cable/Rotary R	¹² Lease Type S	¹³ Ground Level Elevation 3,777'
¹⁴ Multiple No	¹⁵ Proposed Depth 16,000' MD	¹⁶ Formation Bone Spring	¹⁷ Contractor	¹⁸ Spud Date upon approval
Depth to Ground water >100'		Distance from nearest fresh water well 2,700' to NW		Distance to nearest surface water >2,000'

¹⁹ Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf.	17-1/2"	13-3/8"	54.5	1,765'	1,300 sx	GL
Int.	12-1/4"	9-5/8"	40	5,500'	2,000 sx	GL
Prod.	8-1/2"	5-1/2"	23	16,000' MD	2,000 sx	4,500'
				11,500' TVD		

Casing/Cement Program: Additional Comments

Drill pilot hole to 12,000' MD/TVD. Will then plug back & drill lateral.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Pipe & Blind Rams	5,000	5,000	
Annular	5,000	2,500	

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

I further certify that the drilling pit will be constructed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Signature:

Printed name: Brian Wood

Title: Consultant

E-mail Address: brian@permitswest.com

Date: July 25, 2012 Phone: (505) 466-8120

OIL CONSERVATION DIVISION

Approved By:

Title: PETROLEUM ENGINEER

Approved Date: JUL 27 2012

Expiration Date:

Conditions of Approval Attached

JUL 30 2012

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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 August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

30-025- ¹ ABL Number 40701	² 5535	BERRY, BONE SPRING; NORTH
⁴ Property Code 39369	⁵ Property Name Bobwhite 12H	⁶ Well Number 1H
⁷ GRID No. 286989	⁸ Operator Name BLUESTEM ENERGY HOLDINGS, LLC	⁹ Elevation 3777.2

¹⁰ Surface Location

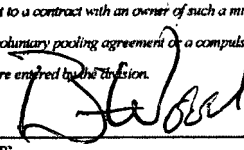
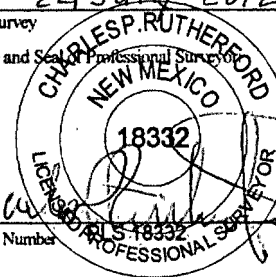
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	12	21S	33E		275	NORTH	1491	WEST	LEA

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
N	12	21S	33E		330	SOUTH	1984	WEST	LEA

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code C	¹⁵ Order No.
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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 fnd. BLM cap (typ) NW CORNER SEC 12 1491' S00°26'27"E 5281.03' SECTION 12 SW CORNER SEC 12 fnd. BLM cap (typ)	¹⁷ SURFACE LOCATION BOBWHITE 12H ELEV = 3777.3' LAT. 32.49968° N (NAD 27) LONG. -103.52938° W BOTTOM HOLE LAT. 32.48683° N (NAD 27) LONG. -103.52778° SE CORNER SEC 12 fnd. BLM cap (typ)	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 undivided 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 this division.  7-25-12 Signature Date Printed Name brian@permitswest.com Email Address
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. 24 JUL 2012 Date of Survey Signature and Seal of Professional Surveyor  Certificate Number		