

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand/Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
May 27, 2004

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

☒ AMENDED REPORT

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

¹ Operator Name and Address Brigham Oil & Gas, L.P. 6300 Bridge Point Pkwy, Bldg. 2, Ste. 500 Austin, TX 78730		² OGRID Number 163160
³ Property Code 34728		⁴ API Number 30-025-37205
⁵ Property Name State 22		⁶ Well No. 001
⁹ Proposed Pool 1 King; Wolfcamp 36100		¹⁰ Proposed Pool 2 King; Penn 36020

7 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	22	13S	37E	J	2293	S	1569	E	Lea

8 Proposed 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

Additional Well Information

¹¹ Work Type Code New Well	¹² Well Type Code Oil	¹³ Cable/Rotary Rotary	¹⁴ Lease Type Code State	¹⁵ Ground Level Elevation 3879
¹⁶ Multiple N	¹⁷ Proposed Depth 10850	¹⁸ Formation Penn	¹⁹ Contractor Big Dog	²⁰ Spud Date 05/04/05
Depth to Groundwater ~50'		Distance from nearest fresh water well 1875'		Distance from nearest surface water 1875'
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 15_mils thick Clay <input type="checkbox"/> Pit Volume: ___ bbls Drilling Method: <input checked="" type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input checked="" type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				
Closed-Loop System <input type="checkbox"/>				

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17.5	13.375	48	400	440	
11	8.625	24 & 32	4700	1070	
7.875	5.5	17	10850	520	8000

22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Blind rams, annular rams and pipe rams are rated to 5000 psi working pressure. Blind rams and pipe rams will be tested to 5000 psi; annular rams will be tested to 3500 psi.

Permit is amended to request deeper test of the King; Penn formation. Production casing program will remain the same except for extension of total depth to 10850'. This well is currently drilling; therefore verbal authorization was requested on 06/03/05.

**Permit Expires 1 Year From Approval
Date Unless Drilling Underway**

²³ 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 NMOC guidelines <input checked="" type="checkbox"/> a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		OIL CONSERVATION DIVISION	
Printed name: Kenneth Klanika <i>Kenneth Klanika</i>		Approved by: <i>[Signature]</i>	
Title: Env/Reg/Saf. Engineer		Title: PETROLEUM ENGINEER	
E-mail Address: kklanika@bexp3d.com		Approval Date: JUN 10 2005 Expiration Date:	
Date: June 3, 2005	Phone: 512/427-3300	Conditions of Approval Attached <input type="checkbox"/>	

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