

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 APPROACH OPERATING, LLC 6500 WEST FREEWAY, SUITE 800 FORT WORTH, TX 76116		² OGRID Number 248343
³ Property Code 36790		⁴ API Number 30 - 39 - 30397
⁵ Property Name WOOLLEY FAMILY LP		⁶ Well No. 1
⁹ Proposed Pool 1 WC 28N 5E 3		¹⁰ Proposed Pool 2

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
H	3	28N	5E		2210	NORTH	935	EAST	RIO ARRIBA

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 N	¹² Well Type Code O	¹³ Cable/Rotary ROTARY	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 9921.98' LSD
¹⁶ Multiple	¹⁷ Proposed Depth 2000	¹⁸ Formation GRANEROS	¹⁹ Contractor BEARCAT DRLG CO.	²⁰ Spud Date ASAP
Depth to Groundwater: >100'		Distance from nearest fresh water well: >1000'		Distance from nearest surface water: >1000'
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 mils thick Clay <input type="checkbox"/> Pit Volume: 4000 bbls Drilling Method: Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input checked="" type="checkbox"/>				

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4"	9 5/8"	36.0#	350'	210	SURFACE
8 3/4"	4 1/2"	10.5 #	1700'	500	SURFACE

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.

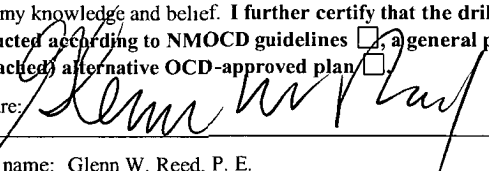
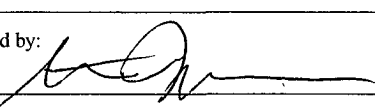
Propose to drill into the Graneros Sh. exploring for oil and/or gas in all formations encountered.

RCVD OCT 15 '07

OIL CONS. DIV.

- (1) Shafco 11" Double Ram 3000# LWS
- (1) Grant 11" rotating head, 3000#
- (1) 5000# choke manifold
- (1) Koomey 3 station 3000# w/air/hydraulic pump
- (4) 10 gallon bottles

**NOTIFY AZTEC OCD 24 HRS. DIST. 3
PRIOR TO CASING & CEMENT**

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 NMOCD guidelines <input type="checkbox"/> a general permit <input checked="" type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		OIL CONSERVATION DIVISION	
Signature: 		Approved by: 	
Printed name: Glenn W. Reed, P. E.		Title: Deputy Oil & Gas Inspector,	
Title: Senior Vice President of Operations		Approval Date: OCT 18 2007 District #3	
E-mail Address: gwreed@approachresources.com		Expiration Date:	
Date: October 11, 2007	Phone: (817) 989-9000	Conditions of Approval Attached <input type="checkbox"/>	

OCT 18 2007

12 mil liner required

16					<p>17 OPERATOR CERTIFICATION</p> <p>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 unleased 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 the division.</p> <p><i>James S. Scott</i> OCT 11, 2007 Signature Date</p> <p>Printed Name JAMES S. SCOTT</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>21 September 2007 Date of Survey</p> <p>Signature and Seal of Professional Surveyor</p> <p><i>Gilberto Archuleta</i> Gilberto Archuleta No. 13976</p> <p>Certificate Number</p>
				<p>Woolley Family LP No. 1</p> <p>Latitude - 36°41'27.88700"N Longitude - 106°23'11.85392"W</p> <p>New Mexico State Plane Coordinate System - Central Zone</p> <p>x - 460,327.103 y - 2,071,752.215</p>	