

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

Operator Name and Address APPROACH OPERATING, LLC 6500 WEST FREEWAY, SUITE 800 FORT WORTH, TX 76116		OGRID Number 248343
Property Code 36790	Property Name WOOLLEY FAMILY LP	API Number 30 - 39 - 30397
Proposed Pool 1 WC 25N 5E 3 - MANCOS oil		Proposed Pool 2

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

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

Work Type Code N	Well Type Code O	Cable/Rotary ROTARY	Lease Type Code P	Ground Level Elevation 9921.98' LSD
Multiple	Proposed Depth 2000	Formation GRANEROS	Contractor BEARCAT DRLG CO.	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"/> 1/2 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"/> Discl/Oil-based <input type="checkbox"/> Gas/Air <input checked="" type="checkbox"/>				

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

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

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: Glenn W. Reed, P. E.

Title: Senior Vice President of Operations

E-mail Address: gwreed@approachresources.com

Date: October 11, 2007

Phone: (817) 989-9000

OIL CONSERVATION DIVISION

Approved by:

Title: Deputy Oil & Gas Inspector,

Approval Date: OCT 18 2007 District #3

Conditions of Approval Attached ☐

OCT 18 2007

12 mil liner required

RAC 5

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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 October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30397		² Pool Code 97649		³ Pool Name WL 28N 5E 3; Mancer Oil	
⁴ Property Code 36790		⁵ Property Name Woolley Family Limited Partnership			⁶ Well Number Woolley Family LP #1
⁷ OGRID No.		⁸ Operator Name Approach Operating LLC			⁹ Elevation 9921.98'

¹⁰ Surface Location

UL or lot no. H	Section **03	Township **28N	Range **05E	Lot Idn	Feet from the 2210	North/South line NORTH	Feet from the 935	East/West line EAST	County RIO ARriba
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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
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¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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RCUD OCT 15 '07

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.

OIL CONS. DIV.
DIST. 3

****Projection of township, range and section within the Tierra Amarilla Land Grant**

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