

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

<sup>1</sup> Operator Name and Address APPROACH OPERATING, LLC 6300 RIDGLEA PLACE, SUITE 1107 FORT WORTH, TX 76116		<sup>2</sup> OGRID Number 248343
<sup>3</sup> Property Code 36701		<sup>4</sup> API Number 30-039-30342
<sup>5</sup> Property Name SULTEMEIER		<sup>6</sup> Well No. 1
<sup>9</sup> Proposed Pool 1 WC; Mancas		<sup>10</sup> Proposed Pool 2

<sup>7</sup> Surface Location: 19368' S5°E from Rio Arriba County Courthouse, Tierra Amarilla, NM

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	19	28N	4E		2322	SOUTH	489	EAST	RIO ARRIBA

<sup>8</sup> 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

<sup>11</sup> Work Type Code N	<sup>12</sup> Well Type Code O	<sup>13</sup> Cable/Rotary ROTARY	<sup>14</sup> Lease Type Code P	<sup>15</sup> Ground Level Elevation 7590 73' LSD
<sup>16</sup> Multiple NO	<sup>17</sup> Proposed Depth 6000'	<sup>18</sup> Formation PRE-CAMBRIAN	<sup>19</sup> Contractor PATTERSON-UTI DRLG CO	<sup>20</sup> Spud Date ASAP
Depth to Groundwater 23' > 100		Distance from nearest fresh water well 5150'		Distance from nearest surface water 2830'
Pit: Liner Synthetic <input checked="" type="checkbox"/> 6 mils thick Clay <input type="checkbox"/> Pit Volume: 4000 bbls Drilling Method: Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input checked="" type="checkbox"/>				
Closed-Loop System <input type="checkbox"/>				

<sup>21</sup> Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12.25"	9.625"	32.3 #	350'	210	SURFACE
8.75"	4.5"	10.5 #	6000'	875	0

<sup>22</sup> 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.  
This well location is within the Tierra Amarilla Land Grant. Section Township and Range is based on the construction proposed by Aztec District office of NMOCD. See attached survey plat for metes and bounds description.  
Propose to drill to Basement exploring for oil or gas in all formations or zones encountered.

(1) Schaffer LWS BOP 11" x 3000# and 11" gate preventor. Equipped with 3" x 2" 3000 psi choke manifold and Koomey 4 station, 40 gal closing unit with remote

RCVD SEP 4 '07

OIL CONS. DIV.

DIST. 3

<sup>23</sup> 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:

*Glenn W. Reed*

Printed name: Glenn W. Reed, P. E.

Title: Senior Vice President of Operations

E-mail Address: gwreed@approachresources.com

Date: August 29, 2007

Phone: (817) 989-9000

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

Conditions of Approval Attached ☐

RAC 2

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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 30-039-30342		2 Pool Code 97640		3 Pool Name WLC17N4E19; Mancos Oil and Strat Test	
4 Property Code 36701		5 Property Name Sultemeier Property			6 Well Number Sultemeier #1
7 OGRID No. 248343		8 Operator Name Approach Operating LLC			9 Elevation 7590.73'

10 Surface Location

UL or lot no.	Section **19	Township **27N	Range **04E	Lot Idn	Feet from the 2320	North/South line NORTH South	Feet from the 490	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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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.

\*\*Projection within the Tierra Amarilla Land Grant

16 USC&GS brass cap "Penasco" 3852.03' N40°34'59"W 19 Sultemeier No. 1 490' 2320'		<b>17 OPERATOR CERTIFICATION</b> 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: <i>James S. Scott</i> Date: 08-31-2007 Printed Name: JAMES S. SCOTT	
SULTEMEIER NO. 1 Latitude - 36.642610227N Longitude - 106.547435219W New Mexico State Plane Coordinate System - Central Zone x - 413,104.715 y - 2,054,205.900		<b>18 SURVEYOR CERTIFICATION</b> 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. 06 August 2007 Date of Survey Signature and Seal of Professional Surveyor: <i>Gilberto Archuleta</i> Gilberto Archuleta No. 13976 Certificate Number	

Submit 3 Copies To Appropriate District  
Office  
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State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
May 27, 2004

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. 30 - 039 - 30342
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name SULTEMEIER
8. Well Number 1
9. OGRID Number 248343
10. Pool name or Wildcat WILDCAT

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH  
PROPOSALS)

1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>
2. Name of Operator APPROACH OPERATING, LLC
3. Address of Operator 6300 RIDGLEA PLACE, SUITE 1107, FORT WORTH, TX 76116
4. Well Location Unit Letter _____: 2322 feet from the SOUTH line and 489 feet from the EAST line Section 19 Township 29N 28N Range 4E NMPM County RIO ARRIBA
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 7590.73' LSD

Pit or Below-grade Tank Application <input checked="" type="checkbox"/> or Closure <input type="checkbox"/>
Pit type <u>reserve</u> Depth to Groundwater <u>3100'</u> Distance from nearest fresh water well <u>5150'</u> Distance from nearest surface water <u>3830'</u>
Pit Liner Thickness: 6 mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
PLUG AND ABANDON <input type="checkbox"/>	P AND A <input type="checkbox"/>
CHANGE PLANS <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>
MULTIPLE COMPL <input type="checkbox"/>	OTHER: <input type="checkbox"/>
OTHER: RESERVE PIT APPLICATION <input checked="" type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Propose to build blooie line/reserve pit in process of drilling exploration well for oil or gas.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Glenn W. Reed TITLE Senior Vice President of Operations DATE August 28, 2007

Type or print name Glenn W. Reed, P. E. E-mail address: gwreed@approachresources.com Telephone No. (817) 989-9000

For State Use Only

APPROVED BY: [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE SEP 06 2007

Conditions of Approval (if any):

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☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number <b>30-039-30342</b>		<sup>2</sup> Pool Code <b>97640</b>		<sup>3</sup> Pool Name <b>WC28N4E19; Marcos oil</b>	
<sup>4</sup> Property Code		<sup>5</sup> Property Name <b>Sultemeier Property</b>			<sup>6a</sup> Well Number <b>Sultemeier #1</b>
<sup>7</sup> OGRID No.		<sup>8</sup> Operator Name <b>Approach Operating LLC</b>			Elevation <b>7648.65'</b>

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	<b>**19</b>	<b>**28N</b>	<b>**04E</b>		<b>2322</b>	<b>SOUTH</b>	<b>489</b>	<b>EAST</b>	<b>RIO ARriba</b>

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
			<b>RCVD OCT 11 '07</b> <b>OIL CONS. DIV.</b>

**DIST. 3**

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.

**\*\*Projection within the Tierra Amarilla Land Grant**

<sup>16</sup>		USC&GS brass cap "Penasco"	
		3852.03'	
		N40°34'59"N	
SULTEMEIER NO. 1		Sultemeier No. 1	
Latitude - 36.642610227N		489'	
Longitude - 106.547435219W		2322'	
New Mexico State Plane Coordinate System - Central Zone			
x - 413,104.715			
y - 2,054,205.900			
		<sup>17</sup> 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 <i>James S. Scott</i> Date <b>10-1-2007</b>	
		Printed Name <b>JAMES S. SCOTT</b>	
		<sup>18</sup> 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	
		06 August 2007 Date of Survey	
		Signature and Seal of Professional Surveyor	
		<i>Gilberto Archuleta</i>	
		Gilberto Archuleta No. 13976	
		Certificate Number	