District I State o 1625 N. French Dr., Hobbs, NM 88240 Energy Minard					of New N als and Nat	lexico	WITCHS		Form C-101	
District II 1301 W Grand Avenue, Artesia, NM 88210					ulai itest	Surces		May 27, 2004		
District III Oil Cons 1000 Rio Brazos Road, Aztec, NM 87410				servation Division Submit to appropriate District Office						
Distnet IV 1220 S. St. Fr	rancis Dr.,	Santa Fc, N	M 87505		Sant	a Fe, NM 8	7505		L A	MENDED REPORT
APPI	JCATI	ION FO	R PERMIT	TO DR	ILL. RE-	ENTER.	DEEPE	N. PLUGBA	CK. OR AI	DD A ZONE
			<sup>1</sup> Operator Name APPROACH OPE	and Address RATING, LL	с	,		248343	OGRID Numb	kar
		65	00 WEST FREEW FORT WORTH	AY, SUITE 1 , TX 76116	800			30 - 39 -	3API Number	7
Prope	rty Code			,	<sup>9</sup> Property WOOLLEY F	Name AMILY LP			* ₩i	eft No. I
			Proposed Pool 1	. 1				* Рторо	sed Pool 2	
<u>      и</u>	VC281	1563	: MANCOS	SOVI	7 Surface	Location		····-		
ULoriotno	Section	Township	Range	Lot Iden	Feet f	Institution in Feet from the East/West line County				Courty
H	3	28N	SE		2	210	NORTH	935	EAST	RIO ARRIBA
121 on lot on	Cartion	Taurathur	<sup>8</sup> Propos	sed Bottom	Hole Loca	tion If Diffe	rent From	Surface	EnstMartline	County
UL OI INTRO.	Second	TOwnship	- Tanga					reet totil the		COURTY
11 Winds	Tume Code		<sup>12</sup> Well Type Cod	Addi	tional W	ell Inform	ation	Lerre Time Code	<sup>6</sup> Cm	und Lavel Elemium
TI SIA	N		0		RO	TARY		P		9921.98" LSD
"м	ultiple		" Proposed Dept	h	"Fo GRAN	IEROS	BE	* Contractor ARCAT DRLG CO.		Spied Date ASAP
Depth to Grou	indwater: >	-100'	2000	Distance fr	om nearest fre	sh water well:	>1000,	Distance from	nearest surface v	water: >1000*
Pit: Liner	: Synthetic	X a mils	thick Clay 🗌	Pit Volume:	4000 bbls	Dn	lling Method			
Close	xd-Loop Sy	stem 🗌				<u>.</u>	Fresh Wate	r 🗌 Brine 🗌 Die	sel/Oil-based	Gas/Air 🛛
r				Proposed	Casing a	nd Cemer	t Progra	m		
Hole S	ize	Cas	ing Size	Casing wo	right/foot	Setting	Depth	Sacks of Cer	nent	Estimated TOC
17 ½" 9 5/8" 36.0# 8 %" 4 %" 10 5 #		34	66° 00°	210 500		SURFACE				
		·····								
					<u> </u>					
22 Describe th	e proposed	program. I	f this application i	s to DEEPEN	or PLUG B	ACK, give the	data on the p	resent product ive z	one and proposes	d new productive
zone. Descrit	e the blow	out prevents	on program, if any	<ul> <li>Use additic</li> </ul>	mal sheets if	nocessary.				
Propose to dri	ll into the C	Graneros Sh.	exploring for oil a	and/or gas in	all formation	s encountered.			RCVD OC	T 15'07
(1) Shafco 11'	<sup>2</sup> Double R	am 3000# L	WS						OIL COM	vs. div.
(1) 5000# cho	ke manifol	d 1	、 »•	<b>K</b>		/ A -7 - T			<b>c</b> 015	r.a
(1) Koomey 3 (4) 10 gallon b	station 300 pottles	10# w/air/hy	draulic bitmb	IN		YAZIE		J 24 FIF	10. ""	
				Ы	RIOR	IO CA	SING	& CEME		
<sup>20</sup> I hereby cor	tify that the	information	i given above is tr	ue and compl	cie to the					
constructed a	best of my knowledge and behef. I further certify that the drilling pit will be constructed according to NMOCD guidelines , ageneral permit , or					OIL CONSERVATION DIVISION				
an (attached afferantive OCD-approved plan					Approved by:					
Signature: MMUVV   vur					/	M	N			
Printed name:	Glenn W.	Reed, P. E.		-/		Title,	Dep	uty Oil & Ga	is Inspec	tor,
Title Sonior	Vice Presid	ient of Open	tions			Appreval Di	6118	ZMPistiliet	pitaian Date:	
E-mail Addres	s: gwreed	@approachn	sources.com				·····			
Date: October	r 11, 2007	<u> </u>	Phone: (817)	989-9000		Conditions o	Approval A	ttached L	50 1	
		t.	00	1 1 8 <b>2</b>		4	ι <b>ξ</b> (1194)		• <b>C 47</b>	

145.00 A

<u>District I</u> 1625 N. Freach Dr., Hobbs, NM 88240 <u>District II</u> 1301 W. Grand Avenue, Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Fraocis Dr., Santa Fe, NM 87505 State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Form C-102 Revised October 12, 2005 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

Santa Fe, NM 87505

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AMENDED REPORT

	ADT NP		WELLLO	CATION	ANDACI	CEAGE DEDIC	ATIONFLA	<u>11</u>	
30.0391-303917 97649 WL28N5E3; Mancor Oil									
Property Code 36790			Wo	<sup>3</sup> Property Name J Noolley Family Limited Partn			rtnership	ership Woolley Family LP #1	
, ,			Appr	coach (	Operatin	g LLC		9	921.98'
·	J				<sup>10</sup> Surface	Location	······		
UL or lot mo. H	Section **03	Tewaship **28N	Range **05E	Lot Ida	Feet from the 2210	North/South line NORTH	Feet from the 935	East/West lit EAST	RIO ARRIBA
······································			" Bot	ttom Hol	e Location I	f Different Fron	n Surface		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West in	ne County
12 Dedicated Acres	Joint of	I Infil	Consolidation C	ode <sup>13</sup> Ord	ler No.	L			
L			- 		·····			RCVD	DCT 15'07
No allowable u division.	vill be ass	igned to	this completion	on until all	interests have	been consolidated o	er a non-standar	of unit has been	DNS. DIV. approved by the
**Projection o	f townsh	ip, rang	e and section	within the	e Tierra Amar	<u>illa Land Grant</u>		<u>دن</u>	51. ð
10							i hereby comment	PERATOR CE	RTIFICATION
							to the best of u	ry knowledge and beloef, an	d that this organization either
							coms a worten	g miterest or welcased mine	ral esterest in the land including
							the proposed b	iotian hole location or has ant to a basined with an av	a right to drill that well of this met of such a minimal or workset
			•				mieres, or to a	a solutiony pooling option	ant or a compution y pooling orde
						11	heretofer: cate	ared by the drusson.	
				1		10	Jan	no t. Sal	0 OCT 11,2007
							Printed Name		COLL
							A JAI	nes s.J	204
				LP	ey Family No. 1	¥ 935.			
				-			"SURVI	EYOR CERTIF	ICATION
Woolley	y Fami	ly LP	<u>No. 1</u>				l hereby ce	rtify that the well loc	oation shown on this plat
Latitud	ie –	36°4	1*27*8870	и"ос			was plotted	t from field notes of t	uctual surveys made by
Longitu	ude -	106°2	3'11.8539	92"W			me or unde	* my supervision, or the ske have of	na mai ine same is truè abat
				1			21 Sont	o an	nej.
				ł	•		Samara	Contact a vol	LARCOL SURVEY
New Nex	cico S	tate P	lane Coor	dinate			ogenand and		TOARCHI
Syste	2m - C	entral	Zone				Hill.	lut Is	ALL
ж.– у.– 2	460, 2,071,	327.10 752.21	3 5				Gilbert No. 135	to Archulleta	(13976)
							Certoficate No	anber Life	





District I 1625 N. French Dr., Hobbs, NM 88240 District II W. Grand Avenue, Artesia, NM 88210 ct III No 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 Department Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-144 June 16, 2008

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For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office. For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

# Pit, Closed-Loop System, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

Type of action: Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

Operator:Approach Operating, LLC	OGRID #:248343					
Address: 6500 West Freeway, Suite 800 Fort Worth, TX 76116						
Facility or well name: <u>Woolley Family LP No. 1</u>						
API Number:30-039-303970	DCD Permit Number:					
U/L or Qtr/Qtr <u>H</u> Section <u>3</u> Township <u>28</u>	<u> SN_Range_5ECounty: Rio Arriba</u>					
Center of Proposed Design: Latitude	Longitude NAD: 🛛 1927 🗋 1983					
Surface Owner: 🗌 Federal 🗌 State 🛛 Private 🗌 Tribal Trust or Indian	Allotment					
<b><u>Pit</u>:</b> Subsection F or G of 19.15.17.11 NMAC	Closed-loop System: Subsection H of 19.15.17.11 NMAC					
Temporary: 🔲 Drilling 🔲 Workover	Drying Pad Tanks Haul-off Bins Other					
ermanent 🗌 Emergency 🔲 Cavitation	Lined 🗍 Unlined					
Lined Unlined	Liner type: Thickness <u>N/A</u> mil LLDPE HDPE PVC					
Liner type: Thicknessmil 🛄 LLDPE 🔲 HDPE 🛄 PVC	□ Other					
Other String-Reinforced	Seams: 🗌 Welded 🗍 Factory 🗍 Other					
Seams: 🗌 Welded 🔲 Factory 🛄 Other	Volume: <u>N/A</u> bbl <u>N/A</u> yd <sup>3</sup>					
Volume: bbl Dimensions: L x W x D	Dimensions: Length <u>N/A</u> x Width <u>N/A</u>					
Below-grade tank: Subsection I of 19.15.17.11 NMAC	Fencing: Subsection D of 19.15.17.11 NMAC					
Volume:bbl	Chain link, six feet in height, two strands of barbed wire at top					
Type of fluid:	Four foot height, four strands of barbed wire evenly spaced between one and					
Tank Construction material:	four feet					
Secondary containment with leak detection	Netting: Subsection E of 19.15.17.11 NMAC					
Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off	Screen Netting Other					
Visible sidewalls and liner	Monthly inspections					
Visible sidewalls only	Signs: Subsection C of 19.15.17.11 NMAC					
Other	12'x24', 2' lettering, providing Operator's name, site location, and					
Liner type: Thickness mil 📋 HDPE 🛄 PVC	emergency telephone numbers					
Other	Signed in compliance with 19.15.3.103 NMAC					
Alternative Method: Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration proval.	Administrative Approvals and Exceptions: Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance. Please check a box if one or more of the following is requested, if not leave blank: Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau office for consideration of approval. Exception(s): Requests must be submitted to the Santa Fe					
	Environmental Bureau office for consideration of approval.					

Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Applicant must attach justification for request. Please refer to 15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above-grade tanks associated with a closed- on system	
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	🗌 Yes 🗌 No
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	🗌 Yes 🗌 No
<ul> <li>Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.</li> <li>(Applies to temporary, emergency, or cavitation pits and below-grade tanks)</li> <li>Visual inspection (certification) of the proposed site; Aerial photo; Satellite image</li> </ul>	□ Yes □ No □ NA
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to permanent pits) - Visual inspection (certification) of the proposed site: Aerial photo: Satellite image	Yes No NA
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	🗋 Yes 🗌 No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	Yes No
<ul> <li>Within 500 feet of a wetland.</li> <li>US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site</li> </ul>	🗌 Yes 🗌 No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	🗌 Yes 🗌 No
<ul> <li>In unstable area.</li> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Mineral Resources; USGS; NM Geological Society; Topographic map</li> </ul>	🗌 Yes 🗌 No
Within a 100-year floodplain. - FEMA map	🗌 Yes 🗌 No
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the doc ittached. Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.15 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.15 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.13 NMAC Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number:	5 NMAC
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC	
<ul> <li>Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the docutached.</li> <li>Geologic and Hydrogeologic Data (required for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 1</li> <li>Siting Criteria Compliance Demonstrations (required for on-site closure) - based upon the appropriate requirements of 19.15.17.10 N</li> <li>Design Plan - based upon the appropriate requirements of 19.15.17.12 NMAC</li> <li>Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.9 NMAC and 19.15.17.13 NMAC</li> <li>MAC</li> </ul>	cuments are 19.15.17.15 NMAC
JMAC Previously Approved Design (attach copy of design) API Number:	

Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC	
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the a	ocuments are
attached.       Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.15 NMAC         Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC         Climatological Factors Assessment         Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC         Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC         Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC         Quality Control/Quality Assurance Construction and Installation Plan         Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC         Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC         Nuisance or Hazardous Odors, including H <sub>2</sub> S, Prevention Plan         Emergency Response Plan         Oil Field Waste Stream Characterization         Monitoring and Inspection Plan	
Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC	
Proposed Closure: 19 15 17 13 NMAC	
Type: Drilling Workover Emergency Cavitation Permanent Pit Below-grade Tank Closed-loop System	Alternative
Proposed Closure Method: Waste Excavation and Removal On-site Closure Method (only for temporary pits and closed-loop systems) In-place Burial On-site Trench Burial	nsideration)
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.	
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No No NA
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No NA
<ul> <li>Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).</li> <li>Topographic map; Visual inspection (certification) of the proposed site</li> </ul>	🗌 Yes 🗍 No
<ul> <li>Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.</li> <li>Visual inspection (certification) of the proposed site; Aerial photo; Satellite image</li> </ul>	🗌 Yes 🗋 No
<ul> <li>Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.</li> <li>NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site</li> </ul>	🗌 Yes 🗋 No
<ul> <li>Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended.</li> <li>Written confirmation or verification from the municipality; Written approval obtained from the municipality</li> </ul>	🗌 Yes 🗍 No
<ul> <li>Within 500 feet of a wetland.</li> <li>US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site</li> </ul>	🗌 Yes 🗍 No
<ul> <li>Within the area overlying a subsurface mine.</li> <li>Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division</li> </ul>	🗋 Yes 🗍 No
Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	🗌 Yes 🗌 No
Within a 100-year floodplain. - FEMA map	🗌 Yes 🗋 No

Waste Excavation and Removal Closure Plan Checklist: (19.15.1	7.13 NMAC) Instructions: Each	of the following items must be attached to the				
closure plan. Please indicate, by a check mark in the box, that the d	<i>documents are attached.</i>					
Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC						
Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)						
Soil Backfill and Cover Design Specifications - based upon the	Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC					
Re-vegetation Plan - based upon the appropriate requirements of	of Subsection I of 19.15.17.13 NM					
Site Reclamation Plan - based upon the appropriate requirement						
Waste Removal Closure For Closed-loop Systems That Utilize Ha or facilities for the disposal of liquids, drilling fluids and drill cuttin	ul-off Bins Only: (19.15.17.13.D	NMAC) Instructions: Please indentify the facility				
Disposal Facility Name: Basin Disposal, Inc.	Disposal Facility Per	rmit Number: <u>NM-01-0005</u>				
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions	s: Each of the following items mu	st be attached to the closure plan. Please indicate,				
by a check mark in the box, that the documents are attached.						
Siting Criteria Compliance Demonstrations - based upon the appropriate re	oppropriate requirements of 19.15.17	/.10 NMAC 5.17.13 NMAC				
Construction and Design of Burial Trench (if applicable) based	d upon the appropriate requirement	s of 19.15.17.11 NMAC				
Protocols and Procedures - based upon the appropriate requirer	nents of 19.15.17.13 NMAC					
Confirmation Sampling Plan (if applicable) - based upon the ap	propriate requirements of Subsecti	on F of 19.15.17.13 NMAC				
Waste Material Sampling Plan - based upon the appropriate rec	quirements of Subsection F of 19.1: a fluids and drill cuttings or in case	0.17.13 NMAC con-site closure standards cannot be achieved)				
Soil Cover Design - based upon the appropriate requirements of	f Subsection H of 19.15.17.13 NM	AC				
Re-vegetation Plan - based upon the appropriate requirements of	of Subsection I of 19.15.17.13 NM	AC				
Site Reclamation Plan - based upon the appropriate requiremen	ts of Subsection G of 19.15.17.13	NMAC				
Operator Application Certification:						
I hereby certify that the information submitted with this application is	s true, accurate and complete to the	best of my knowledge and belief.				
Name (Print):Glenn W. Reed, P. E.	Title: <u>Executi</u>	ve Vice President – Operations and Engineering				
Signature: Mum W/m/	Date:	6-18-08				
e-mail address: gwreed@approachresources.com	Telephone:	817-989-9000				
Approval. Dermit Application (including closure plan)	Cloques Plan (anly)					
<b>DApprovan:</b> Permit Application (including closure plan)	Closure Plan (only)					
OCD Representative Signature:		Approval Date:				
Title:	OCD Permit Numbe	er:				
Closure Report (required within 60 days of closure completion): Subsection K of 19 15 17 13 NMAC						
<u></u>		etion Date:				
Closure Method:						
Waste Excavation and Removal On-Site Closure Method	Alternative Closure Method					
If different from approved plan, please explain.						
Closure Report Attachment Checklist: Instructions: Each of the j	following items must be attached t	o the closure report. Please indicate, by a check				
mark in the box, that the documents are attached.		-				
Proof of Closure Notice  Proof of Deed Notice (if applicable)						
Plot Plan						
Confirmation Sampling Analytical Results						
Waste Material Sampling Analytical Results						
Disposal Facility Name and Permit Number						
Re-vegetation Application Rates and Seeding Technique						
Site Reclamation (Photo Documentation)						
On-site Closure Location: Latitude						
	Longitude	NAD: []1927 [] 1983				
Operator Closure Certification:	Longitude	NAD: [_]927 [_] 1983				
I hereby certify that the information and attachments submitted with the belief. I also certify that the closure complies with all applicable closure complex with all applicable closure.	Longitude	nd complete to the best of my knowledge and ecified in the approved closure plan.				
I hereby certify that the information and attachments submitted with the belief. I also certify that the closure complies with all applicable closure Name (Print):	Longitude	nd complete to the best of my knowledge and ecified in the approved closure plan.				
I hereby certify that the information and attachments submitted with the belief. I also certify that the closure complies with all applicable closure Mame (Print):	Longitude	nd complete to the best of my knowledge and ecified in the approved closure plan.				
I hereby certify that the information and attachments submitted with the belief. I also certify that the closure complies with all applicable closure applicable closure complies with all applicable closure signature:	Longitude nis closure report is true, accurate a ure requirements and conditions spectrum Title: Date: Telephone:	nd complete to the best of my knowledge and ecified in the approved closure plan.				







## APPROACH OPERATING, LLC. OPERATIONS PLAN

I. Location: LAT

Date: June 18, 2008

LONG Rio Arriba County, NM

Elev: GL

Field: Wildcat Surface: Drilling

II.

A. Contractor: TBD

B. Mud Program:

The surface hole will be drilled with a air, if possible, or fresh water mud.

The production hole will be drilled with air or air/mist.

C. Minimum Blowout Control Specifications:

Double ram type 3000 psi working pressure BOP with a rotating head. See the attached Exhibit # \_\_\_\_ for details on the BOP equipment. All ram type preventers and related equipment will be hydraulically tested at nipple-up and after any use under pressure to 1500 psi.

The blind ram will be hydraulically activated and checked for operational readiness each time pipe is pulled out of the hole. All check of the BOP stack and equipment will be noted on the daily drilling report. The BOP equipment will include a kelly cock, floor safety valve, and choke manifold all rated to 2000 psi.

No over pressured zones are expected in this well. No H2S zones expected, but compliance packs will be on location.

III. Logging program: Induction / GR and density logs at TD.

IV. Materials

A. C	asing Program:			
	Hole Size	Depth	Casing Size	Wt & Grade
	12-1/4"	350'	9-5/8"	32.3# H-40
	8-3/4"	2000'	4-1/2"	10.5# J-55

#### B. Float Equipment

	a. Surface Casing: Notched coll the bottom 3 joints.	lar on bottom and 3 c	entralizers on
	b. Production Casing: 4-1/2" w shoe and a float collar on top with bow spring centralizers	whirler type cement no of the shoe joint. Ce	osed guide entralized
V. Cementing:			
Surface	e Casing: 9-5/8" 32.3 lb/ft H-40 s	et to 350'.	
Cement 0-350'			
Water	bacer	Fluid Density:	8.330
ioni/gai	5 m	Fluid Volume:	10 bbl
Fluid 2: Lead Cement Premium Cement Ibm/gal		Fluid Weight	15.600
94 lbm/sk Premium 0.125 lbm/sk Poly- Gal/sk	n Cement (Cement) E-Flake (Lost Circulation Additive)	Slurry Yield: Total Mixing Fluid:	1.180 ft <sup>3</sup> /sk 5.238
2 % Calcium Chlo	ride (Accelerator)	Top of Fluid: Calculated Fill: Volume: Calculated Sacks: Proposed Sacks:	0 ft 350 ft 42.139 bbl 200.503 sks 205 sks
Fluid 3: Water Based Sp Water Displacement Ibm/gal	bacer	Fluid Density:	8.330
Fluid Volume:		23.966 bbl	
• Produc	tion Casing: 4-1/2" 10.5 lb/ft J-55	casing set to TD.	
Cement Fluid Instructions Fluid 1: Water Based Sr	0000F		
Water Ibm/gal	/////	Fluid Density:	8.330
Fluid Volume: 20 bb	I		
Fluid 2. Lead Cement			

50/50 Poz Premium 0.4 % Halad(R)-344 (Low Fluid Loss Control) 0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive) Gal/sk	Fluid Weight Slurry Yield: Total Mixing Fluid:	13 lbm/gal 1.436 ft <sup>3</sup> /sk 6.193
5 lbm/sk Gilsonite (Lost Circulation Additive)	Top of Fluid: Calculated Fill: Volume: Calculated Sacks: Proposed Sacks:	0 ft 2000 ft 156.266 bbl 610.982 sks 615 sks
Fluid 3: Water Based Spacer Water Displacement lbm/gal	Fluid Density: Fluid Volume:	8.330 31.197 bbl

• The wells will have 40' of 14" conductor set. Then a 12-1/4" hole will be drilled to about 350' when 9-5/8" surface casing will be set and cemented. We will drill out with a 8-3/4" bit using

## MULTI-POINT SURFACE USE PLAN

1. Existing Roads:

When existing roads are used to access the proposed location they will be maintained in the same or better condition than presently found.

2. Planned Access Roads:

Some new access road will have to be constructed. If existing access road is also used, it will be maintained in at least the current condition and will be upgraded where necessary to provide uninterrupted access to the proposed well.

3. Location of Existing Wells:

Attached map (Plat # 1) shows existing wells within one mile radius of the proposed well. N/A

4. Location of Production Facilities:

In the event of production, production facilities will be located on the drill pad. The actual placement of this equipment will be determined when the well's production characteristics can be evaluated after completion. To protect livestock and wildlife, equipment will be fenced. Any tanks will be enclosed by a dike.

Upon completion of drilling, the location and surrounding area will be cleared of all debris.

5. <u>Water Supply:</u>

Water for drilling and completion will be purchased from local sources.

6. Source of Construction Materials:

No additional construction materials will be required to build.

- 7. Methods of Handling Waste Disposal:
  - a. The drill cuttings, fluids and completion fluids will be placed in the steel tanks. Upon completion, the pad will be leveled, contoured and reseeded with the appropriate seed mixture.
  - b. All garbage and trash will be placed in a metal trash basket. It will be hauled off and dumped in an approved land fill upon completion of operations.
  - c. Portable toilets will be provided and maintained during drilling operations.

### 8. Ancillary Facilities:

Ancillary facilities are to be based on well productivity. .

9. Well Site Layout:

A plat of the drill pad with location of drilling equipment and rig orientations also attached.

#### 10. Plans for Restoration of Surface:

When the well is abandoned the location and access road will be cleaned and restored to the original topographical contours as much as possible. The area will be reseeded with appropriate seed mixture.

If the well is productive, areas not used in production will be contoured and seeded with stipulated seed mixture. Production equipment will be painted to blend with the natural color of the landscape.

11. Lessee's or Operator's Representative:

Glenn W. Reed, Executive Vice President – Engineering & Operations Approach Resources 6500 West Freeway, Suite 800 Fort Worth, Texas 76116 Phone: (817) 989-9000

> Glenn W. Reed Executive Vice President – Engineering & Operations



## TYPICAL BOP STACK & CHOKE MANIFOLD

There will be at least 2 chokes and 2 choke line valves (3" minimum). The choke line will be 3" in diameter. There will be a pressure gauge on the choke manifold.



Kill line will be minimum 2" diameter and have 2 valves, one of which shall be a minimum 2" check valve.

> Upper kelly cock will have handle available. Safety valve and subs will fit all drill string connections in use. All BOPE connections subjected to well pressure will be flanged, welded, or clamped.



