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

Submit to appropriate District Office

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

Form C-101

June 16, 2008

API	PLICA'	ΓΙΟΝ FC	OR PERM	IT TO	DRILL, F	RE-EN'	TER,	DEEP	EN, PLUGB	SACK,	OR A	ADD A ZONE	
Operator Name and Address Approach Operating, LLC 6500 West Freeway, Suite 800 Fort Worth, TX 76116									248343	² OGRID	Number	г	
			Fort Worth,	TX 76116					30 - 39.	308	lumber Q2		
3 Property Code Property Seffrey S						y Name Spill	/ Name ⁶ Well No.						
		9 P	Proposed Pool I WC; Mancos						¹⁰ Prop	osed Pool 2	2		
					⁷ Surf	ace Location							
UL or lot no	Section	Township	Range	Lot le		from the		South line	Feet from the	East/Wes	st line	County	
<u> </u>	08	27N	4E			1939	SOUTH 1572			WES	Т	RIO ARRIBA	
	T				ottom Hole L							.	
UL or lot no.	Section	Township	Range	Lot le		from the	<u> </u>	South line	Feet from the	East/West line County		County	
					Additional		nform						
]	Type Code N		¹² Well Type Co O			ble/Rotary DTARY		14	Lease Type Code P			und Level Elevation 7254.90'	
¹⁶ M	lultiple		17 Proposed Depth 2000' **		P.	18 Formation GRANEROS			¹⁹ Contractor TBD	Or	²⁰ Spud Date On receipt of all required approvals		
				²¹ Prop	osed Casir	ng and	Ceme	nt Prog	ram	<u> </u>			
Hole S	lize	Casi	ng Size		g weight/foot		Setting Depth Sacks of C		ement Estimated TO		Estimated TOC		
12 1/2	4"	9 4	9 5/8"		36.0 #		350'		210	210		Surface	
8 3/4	,,	4	4 1/2"		10.5.#		2000'		500	500		Surface	
				 		 							
		 				+			 				
					PEN or PLUG E		e the dat	a on the p	resent productive z	one and pro	oposed 1	new productive zone	
(1) Shafco 11' (1) Grant 11'' (1) 5000# che (1) Koomey 3 (4) 10 gallon	' rotating hea oke manifold 3 station 300	ad, 3000# d											
					ale or 2000', wh	uchever de	epth is ac	hieved firs	st.				
²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief							OIL CONSERVATION DIVISION						
Signature: SAM						Appro	Approved by:						
Printed name Brice A. Morgan						Title: DEPUTY OIL & GAS INSPECTOR, DIST. &-							
Title Landman					Appro	Approval Date: 0 3 0 2009 Expiration Date: 1-30:201							
E-mail Addres	ss bmorgar	ı@approachr	esources.com										
Date //	-23-0	A	Phone: 817-9	989-9000		Condit	tions of A	pproval A	ttached 🔀			-	

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'MOV 3 0 2009 A

HOLD C104 FOR MSL

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210

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<u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u>

1220 S. St. Francis Dr., Santa Fe, NM 87505

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

me or under my supervision, and that the same is true

and correct to the best of my belief.

AMENDED REPORT

		W	ELL LO	ÇATIO	N AND ACR	EAGE DEDIC	ATION PLA	T			
1 🔿	API Number	3080	97	² Pool Code 7 6 7	ω	.C. Tierm	Amarillo	me 1 Mar			
Property				75 457 4	⁵ Property N	•				Well Number	
	32			Jer:	rey Spill				Jeffrey Spill #3		
	70GRID No. Superator Name 248343 Approach Operating LLC								7323.92 7254.9		
10 Surface Location											
UL or lot no.	1	Township	Range	Lot Idn	Foet from the	North/South line	Feet from the		/West line	County	
<u> </u>	**08	**27N	**04E		1939	SOUTH	1572	WES	T	Rio Arriba	
			11 Bot	tom Ho	le Location If	Different From	n Surface				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East	/West line	County	
12 Dedicated Acre	8 15 Joint o	L IMUII 14 C	Consolidation C	ode 13 Or	der No.						
No allowable	will be ass	igned to th	is completion	on until al	l interests have l	peen consolidated	or a non-standa	rd unit has	been ap	proved by the	
division.				_							
** Project	ction	MTCUTU	the Ti	erra /	Amarilla I	and Grant			***		
16							NI .			TIFICATION ul hurein is true and complete	
										hat this organization either	
							owns a worki	g interess or unk	cased mineral	interest in the kand including	
	ļ				·		11			ight to drill this well at this	
							li .			r of such a mineral or working or a compulsory pooling order	
							\$1	ered by the division		or a complision's proming or ser	
							-12/	W.,		11-73-20	
							Signature - Signat	ice A	$\mathcal{M}_{\mathcal{O}}$	11-23-09 Date	
			<i>l</i>								
1	572 '		ffrey Si	211 #3			I hereby o	ertify that the	well loca	TIFICATION tion shown on this plat trual surveys made by	

Latitude - 36.58654 North Longitude - -106.53000 West

1939

Latitude, longitude & distances from projected section lines provided by Approach Operating, LLC.

APPROACH OPERATING, LLC OPERATIONS PLAN JEFFREY SPILL NO. 3

I. Location: LAT: 36.58654 N Date: 11-2-09

LONG: -106.53900 W

Rio Arriba County, New Mexico

Field: Wildcat Elev: 7254.90'

Surface: Fee

II. Drilling

A. Contractor: TBDB. Mud Program:

The surface hole will be drilled with a fresh water mud.

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

C. Minimum Blowout Control Specifications: (See attached BOP System Schematic)

Double ram type 3000 psi working pressure BOP with a rotating head. See the attached Exhibit # 1 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 pilled 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. Casing Program:

Hole Size	Depth	Casing Size	Wt & Grade
12-1/4"	350'	9-5/8"	36# J-55
8-3/4"	2000'	4-1/2"	10.5# J-55

- B. Float Equipment (See attached "Generic Well Schematic")
 - a. Surface Casing: Notched collar on bottom and 3 centralizers on the bottom 3 joints.
 - b. Production Casing: 4-1/2" whirler type cement nosed guide shoe and a float collar on top of the shoe joint. Centralized with bow spring centralizers

V. Cementing:

• Surface Casing: 9-5/8", 32.3 lb/ft H-40 set to 350'.

Cement 0-350'

Fluid 1: Water Based Spacer

Water Fluid Density: 8.330

lbm/gal

Fluid Volume: 10 bbl

Fluid 2: Lead Cement

Premium Cement Fluid Weight 15.600

lbm/gal

94 lbm/sk Premium Cement (Cement) Slurry Yield: 1.180 ft³/sk

0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive) Total Mixing Fluid: 5.238

Gal/sk

2 % Calcium Chloride (Accelerator) Top of Fluid: 0 ft

Calculated Fill: 350 ft

Volume: 42.139 bbl

Proposed Sacks: 210 sks

Fluid 3: Water Based Spacer

Water Displacement Fluid Density: 8.330

lbm/gal

Fluid Volume: 23.966 bbl

• Production Casing: 4-1/2" 10.5 lb/ft J-55 casing set to TD.

Cement TOC 250 or higher

Fluid Instructions

Fluid 1: Water Based Spacer

Water Fluid Density: 8.330

lbm/gal

Fluid Volume: 20 bbl

Fluid 2: Lead Cement

50/50 Poz Premium Fluid Weight 0.4 % Halad(R)-344 (Low Fluid Loss Control) Slurry Yield: 1.436 ft³/sk 0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive) Total Mixing Fluid: 6.193

Gal/sk

5 lbm/sk Gilsonite (Lost Circulation Additive) Top of Fluid: 0 ft

Calculated Fill: 3500 ft

Volume: 156.266 bbl

Proposed Sacks: 500 sks

Fluid 3: Water Based Spacer

Water Displacement Fluid Density: 8.330

lbm/gal

Fluid Volume: 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 and New Roads:

Existing roads vary in condition, but all are drivable by pickup. Initially, Approach will crown and ditch these roads while providing for drainage via ditch relief and rolling water bars placed at a maximum 300 feet apart. During the initial phase of construction and drilling, roads will be developed using native materials and rock where necessary to prevent rutting or stormwater run-on from eroding road bed. Roads will be less than 25 feet wide with an additional 7.5 feet on each side for ditching. Rolling water bars will be installed with at least half their height in the cut and skewed to drain. If the well is to be abandoned, the road will be left in a condition that is at minimum comparable to the existing condition or is reclaimed. Maintenance will be conducted as necessary during all of Approach's operations. Roads will be kept in a serviceable condition that provides the land owner and the Approach with reasonable and emergency access.

2. Location of Existing Wells:

There are no existing wells in the vicinity of the Jeffrey Spill No 3. See attached aerial photo.

3. 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.

4. Water Supply:

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

5. Methods of Handling Waste Disposal:

- a. The drill cuttings, fluids and completion fluids will be placed in the above ground steel tanks. All cuttings and fluids will be disposed of at a NMOCD permitted facility. 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 NMOCD permitted facility upon completion of operations.
- c. Portable toilets will be provided and maintained during drilling operations.

6. Ancillary Facilities:

Ancillary facilities are to be based on well productivity.

7. Well Site Layout:

The well site will encompass an area of 200'X 275' as shown on the attached aerial photo.

8. 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.

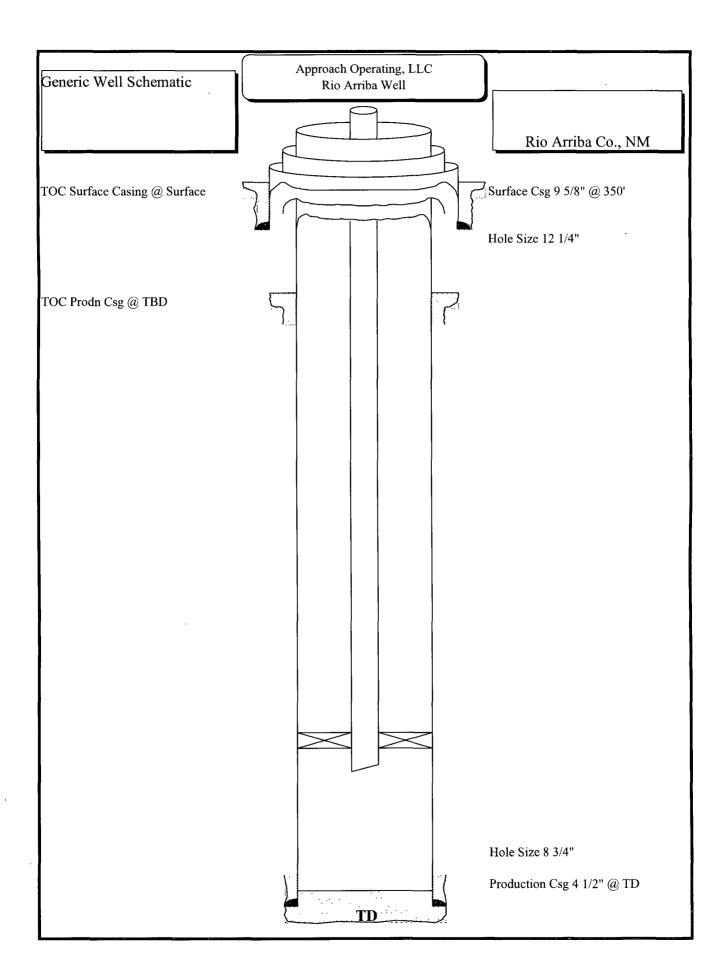
If the well is productive, areas not used in production will be contoured and seeded with stipulated seed mixture. Production equipment will be painted to blend with the natural color of the landscape.

9. Lessee's or Operator's Representative:

Brice A. Morgan Approach Operating, LLC 6500 West Freeway, Suite 800 Fort Worth, Texas 76116 Phone: (817) 989-9000

Brice A. Morgan

Landman



Operator Certification Statement

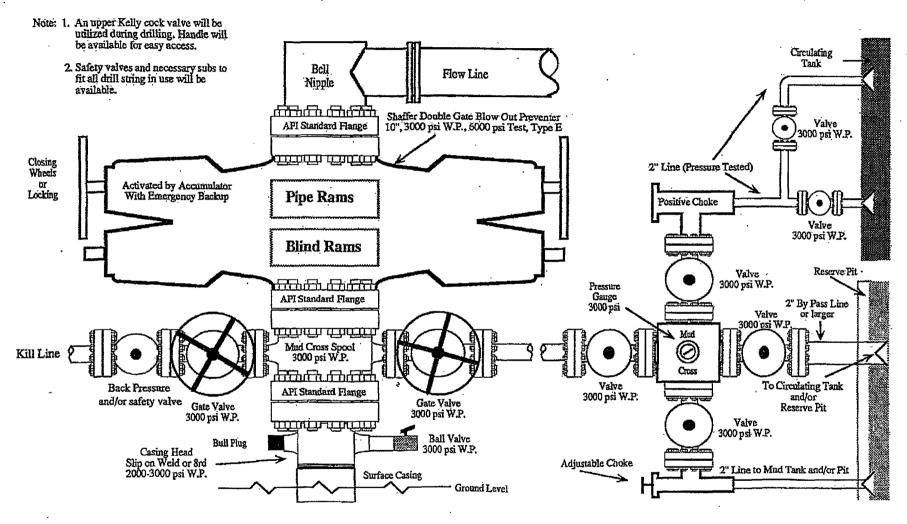
I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and condition under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements. Executed this 23rd day of November, 2009.

Approach Operating, LLC

Brice A. Morgan

Landman

2,000 PSI BOP SYSTEM



Note: This equipment is designed to meet requirements for a 2-M rating standard per 43 CFR part 3160 (amended). Proper operation and testing of equipment will be carried out per standard. 2,000 psi equipment can be substituted in the drawing to meet minimum requirements per standard.

WC Tierra Amarillo Mancos Conditions of Approval

In the Tierra Amarilla area of interest the first good aquifer appears to be the uppermost sand of the Dakota Formation known as the Two Wells Member. The regulatory definition of the vertical limits of the Basin Dakota gas pool includes the Graneros Formation.

Because the depth to the Dakota Formation may vary due to topographic and structural changes from one site to another the TD for the wells assigned to the WC Tierra Amarilla Mancos Oil Pool (97767) is to be limited to the base of the Greenhorn Member of the Mancos Formation or shallower.

This will provide a good barrier between the upper Dakota Formation aquifer and perfed and stimulated zones in the Mancos.

Cement volume for the production casing appears to be inadequate to circulate to surface. Please include enough cement to circulate hole, plus 50% excess. If cement does not circulate, a CBL will be required to show cement top and quality prior to completion.