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

State of New Mexico Energy Minerals and Natural Resources

Form C-101 June 16, 2008

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe; NM 87505 Submit to appropriate District Office

M AMENDED REPORT

1220 S. St. Fi	rancis Dr.,	Santa Fe, NM	87505		Santa	Fe, N	M 875	05			Δ, A.	MENDED REPORT
AP	PLICA	TION FO				E-ENT	ΓER,	DEEP:	EN, PLU	GBAC	K, OR	ADD A ZONE
Operator Name and Address Approach Operating, LLC 6500 West Freeway, Suite 800 Fort Worth, TX 76116							248343 2 OGRID Number					
							30-39-30859					
3 Property Code S Property Dora S						name					W	ell No. 2
			roposed Pool 1						10	Proposed	Pool 2	
			WC; Mancos		⁷ Surfac	re I oc	ration					
UL or lot no	Section Township Range Lot Idn			eet from the North/South line		Feet from the		ast/West line	County			
M	29	28N	04E		41			ЛТН	1277	L	WEST	RIO ARRIBA
UL or lot no	Section	Township	° Pro	posed Bo	ottom Hole Lo			rent Fro	m Surface Feet from the	, F:	ast/West line	County
OF OF IOUR		Township		<u></u>							aso west line	County
II Wash	Time Code		12 Well Type Co		Additional V		<u>ıforma</u>		Lassa Toma Carl	-	15 C	ound Level Elevation
N 12 Well Type O				ode 13 Cable/Rota ROTARY					¹⁴ Lease Type Code P		7357 00'	
¹⁶ M	Iultiple		¹⁷ Proposed Dep 2000' **	epth 18 Fort GRAN					19 Contractor TBD		20 Spud Date On receipt of all required approvals	
Describe the (1) Shafco 11 (1) Grant 11" (1) 5000# che (1) Koomey 3 (4) 10 gallon ** The proportion of the proportion	he proposed blowout proposed blowout proposed blowout proposed blowout protecting he beke manifor a station 30 bottles better the beken blower proposed blower	d program If revention program 3000# LV ead, 3000# Id 00# w/air hyd	ram, if any. Us VS raulic pump	Casing 3 1 is to DEEF e additional	le or 2000', which	ACK, giv	350° 2000 e the dat	a on the p	Sacks of 2		and proposed	Estimated TOC Surface Surface I new productive zone.
Signature: AM						Approved by:						
Printed name: Brice A. Morgan					Title: DEPUTY OIL & GAS INSPECTOR, DIST. (8)							
Title: Landman						Approv	val Dafe	OV 3	O 2009	Expira	tion Date	11.30:2011
E-mail Addre	ess: bmorga	n@approachr	esources.com									
Date: 11-23-09 Phone: 817-989-9000					Conditions of Approval Attached							

NOV 3 0 2009

HOLE

HOLD G104 Fun NSL

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santn 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
X - AMENDED REPORT

		V.	ELL LC	CATIO	N AND ACRI	EAGE DEDIC	ATION PLA	T		
API Number 20:039 - 30859				Pool Code	67 W.C. Tievra Amarilla Mancos oil pool					
Property () "	Well Number						
3793	30		Dora	Spill #2						
'OGRID				'Elevation						
2483	248343 Ap					pproach Operating LLC				
					10 Surface I	ocation				
UL or lot no.	ot no. Section Township		Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	- 1	
M	**29	**28N	**04E		414	SOUTH	1277	WEST	Rio Arriba	
			¹¹ Bo	ttom Ho	le Location If	Different Fron	n Surface			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	Eust/West line	County	
1]								
12 Dedicated Acres	13 Joint of	r Intill 14 C	ensolidation	Code 15 Or	rder No.					
40										

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 Grant provided by Approach Operating LLC **OPERATOR CERTIFICATION** I hereby certify that the information contained herein is true and complete to the bast of my knowledge and belief, and that this organization either come a working interest or unleased mineral interest in the kind including the proposed bottom hale location or his a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working est, or to a voluntary pooling agreement or a compulsory pooling order 18SURVEYOR 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. W 12771 Dora Spill #2 Ceruficate Number 414' Latitude 36.62431 North

Longitude - -106.54000 West

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

APPROACH OPERATING, LLC OPERATIONS PLAN DORA SPILL NO. 2

I. Location:

LAT: 36.62431 N

Date: 11-2-09

LONG: -106.54000 W

Rio Arriba County, New Mexico

Field: Wildcat

Elev: 7357.00'

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'
CIRCULA LE CEMENT TO SURFACE

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

 $1.180 \text{ ft}^3/\text{sk}$ 94 lbm/sk Premium Cement (Cement) Slurry Yield:

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.

CIVEVINE CEMENT TO SURVICE

Cement

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 Dora Spill No. 2. 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.

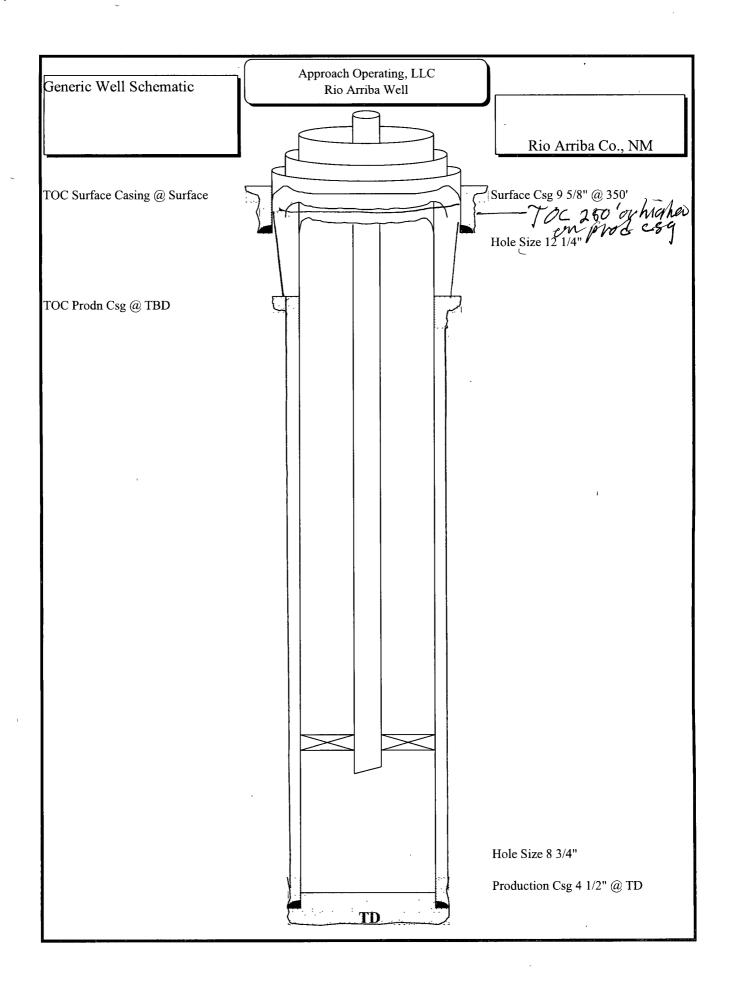
If the well is productive, areas not used in production will be contoured and seeded with stipulated seed mixture. Production equipment will be painted to blend with the natural color of the landscape.

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

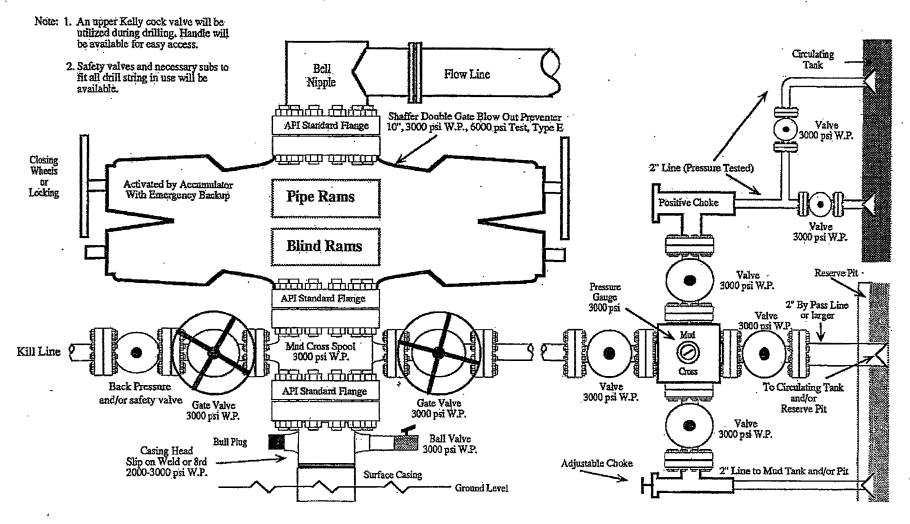
I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and federal laws applicable to this operation; that the statements made in 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.