		AT	5-13-143		
Form 3160 - 3 (April 2004)	600 Artesta	OMB	A APPROVED No. 1004-0137 5 March 31, 2007		
UNITED STAT DEPARTMENT OF THI BUREAU OF LAND M	E INTERIOR	5. Lease Serial No NMLC-0295	),		
APPLICATION FOR PERMIT T		6. If Indian, Allote	ee or Tribe Name 2/1/203		
la. Type of work: 🖌 DRILL	NTER	7. If Unit or CA Ag	greement, Name and No.		
lb. Type of Well: ✔ Oil Well  Gas Well  Other	Single Zone Multiple Zone	8. Lease Name and COFFEE FI	d Well No. <i>L 308710 &gt;</i> EDERAL #17 <308710>		
2. Name of Operator APACHE CORPORATION	-8737	9. API Well No. 30-015-	41/26		
3a. Address 303 VETERANS AIRPARK LN #3000 MIDLAND, TX 79705	3b. Phone No. (include area code) 432-818-1167	10. Field and Pool, o	r Exploratory <b>(96831)</b> KE; GLORIETA-YESO		
4: Location of Well (Report location clearly and in accordance with	n any State requirements.*)		Blk. and Survey or Area		
At surface 1115' FNL & 515' FWL At proposed prod. zone 990' FNL + 330' FX	11	LOT: 1 SE	C:18 T175 R31E		
<ul> <li>14. Distance in miles and direction from nearest town or post office*</li> <li>APPROX 5.5 MILES EAST OF LOCO HILLS, NM</li> </ul>	<b>b</b>	12. County or Parish EDDY	n 13. State NM		
15. Distance from proposed* 515' location to nearest property or lease line, ft. (Also to nearest drig, unit line, if any)		ng Unit dedicated to this	<u> </u>		
<ul> <li>18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.</li> <li>250'</li> </ul>	19. Proposed Depth 20. BLM/H	BIA Bond No. on file I -CO -1463 NATIONWIDE / NMB-000736			
21. Elevations (Show whether DF, KDB, RT, GD etc.) 3759' - GL	22. Approximate date work will start* AS Soon AS Approved	23. Estimated durat ~10 DAYS	tion		
The following, completed in accordance with the requirements of On	24. Attachments	is-form-			
<ol> <li>Well plat certified by a registered surveyor.</li> <li>A Drilling Plan.</li> <li>A Surface Use Plan (if the location is on National Forest Syst SUPO shall be filed with the appropriate Forest Service Office).</li> </ol>	4. Bond to cover the operation Item 20 above).	ns unless covered by a			
25. Signature Saring Lary	Name (Printed/Typed) SORINA L. FLORES	· ·	Date 12/18/12		
Title SUPV OF DRILLING SERVICES					
Approved by (Signature) /s/ Don Peterson	Name (Printed/Typed) /s/ Don F	Peterson	Date JAN 27 2013		
Title CARLSBAD FIELD OFFICE	Office	FIELD MANAGER			
Application approval does not warrant or certify that the applicant h conduct operations thereon. Conditions of approval, if any, are attached.			l entitle the applicant to <b>R TWO YEARS</b>		
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it States any false, fictitious or fraudulent statements or representations	a crime for any person knowingly and willfully to m				
*(Instructions on page 2)					
Roswell Controlled Water Basin RECEIVED		Aproval Subject & Special Si	to General Requirements tipulations Attached		
JAN <b>30</b> 2013	SEE ATTACH	HED FOR			
NMOCD ARTESIA	CONDITIONS OF APPROVAL				

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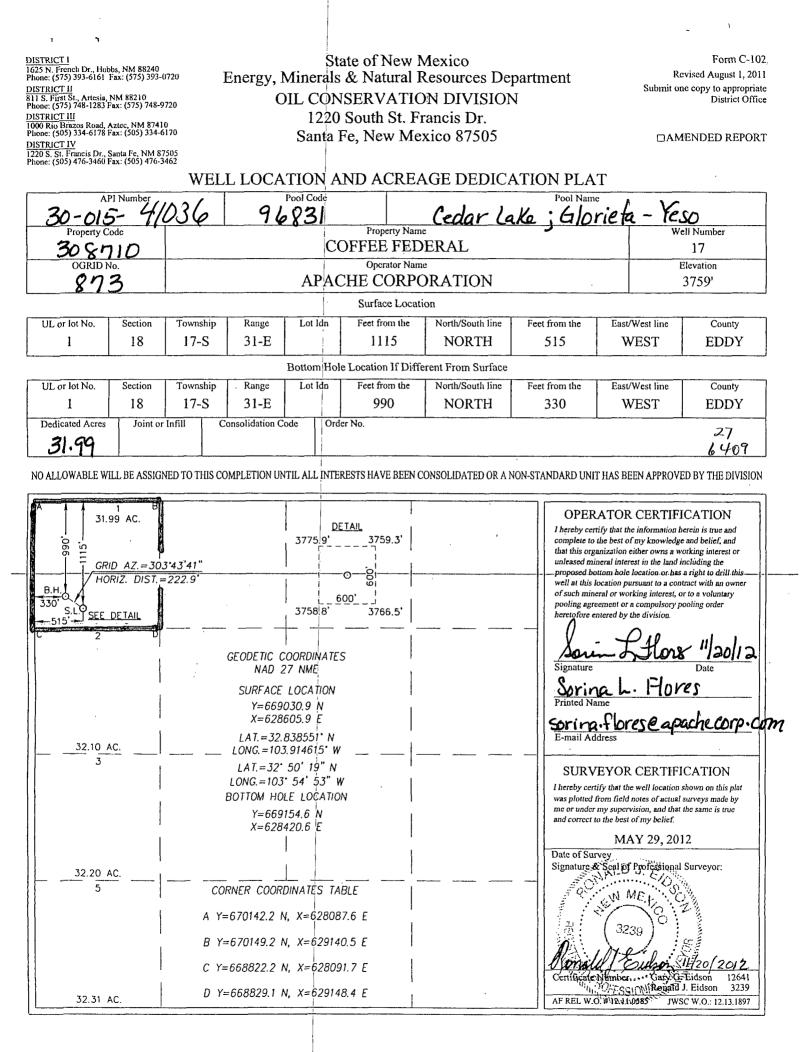
# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE 620 E. GREENE STREET CARLSBAD, NM 88220

#### STATEMENT ACCEPTING RESPONSIBILITY FOR OPERATIONS

Operator Name:	APACHE CORPORATI	ON	
Street or Box:	303 VETERANS AIRPA	ARK LANE, STE. 3000	
City, State:	Midland, TX		
Zip Code:	79705	·	

The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted on the leased land or portion thereof, as described below:

Lease No: NMLC-029548A COFFEE FEDERAL #17
SHL:
Legal Description of Land: 1115' FNL & 515' FWL BHL: 990' FNL+ 330' FWL
UL: <u>1</u> Section: <u>18</u> Township: <u>175</u> Range: <u>31E</u>
County: EDDY State: NM
Bond Coverage:\$150,000
Statewide Oil and Gas Surety Bond, APACHE CORPORATION.
BLM Bond File No.:BLM-CO-1463 NATIONWIDE / NMB000736
Signature: Bobby L Smith Printed Name: BOBBY L. SMITH
Title: DRILLING MANAGER, PERMIAN REGION
Date:
Apache Corporation Responsibility Letter



# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE 620 E. GREENE STREET CARLSBAD. NM 88220

#### **OPERATOR CERTIFICATION**

I HEARBY 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 the 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 conditions 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 day of	December 2012					
Well: <u>COFFEE FEDERAL #17</u>	······································					
Operator Name: APACHE CO	RPORATION					
Signature: Rebeen	Printed Name: BARRY GREEN					
Title: Drilling Engineer	Date: 12/17/2012					
	en@apachecorp.com					
Street or Box: <u>303 Veteral</u>	ns Airpark Ln., Ste. 3000					
City, State, Zip Code:Midland, T	< 79705					
Telephone:4	32-818-1059					
Field Representative (if not above sig	gnatory):					
Address (if different from above):						
Telephone (if different from above <u>):</u>						
Email (optional):						

Agents not directly employed by the operator must submit a letter from the operator authorizing that the agent to act or file this application on their behalf.

# DRILLING PLAN: BLM COMPLIANCE

(Supplement to BLM 3160-3)

#### APACHE CORPORATION (OGRID: 873) COFFEE FEDERAL #17

Lease #: NMLC-029548A Projected TVD: 6400' MD: 6409' GL: 3759' SHL: 1115' FNL & 515' FWL BHL: 990' FNL & 330' FWL UL: 1 Sec: 18 T17S R31E EDDY COUNTY, NM

#### **1. GEOLOGIC NAME OF SURFACE FORMATION:** Quaternary Aeolian Deposits

#### 2. ESTIMATED TOPS OF GEOLOGICAL MARKERS & DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS:

Quaternary Aeolian	Surface	Queen	2377' (Oil)
Rustler	267'	Grayburg	2762' (Oil)
Salt Top	549'	San Andres	3101' (Oil)
Salt Bottom	1323′	Glorieta	4580'
Yates	1461′	Yeso	4656' (Oil)
Seven Rivers	1770' (Oil)	TD	TVD: 6400' MD: 6409'

Depth to Ground Water: 91'

All fresh water & prospectively valuable minerals, as described by BLM, encountered during drilling, will be recorded by depth and adequately protected. All oil & gas shows within zones of correlative rights will be tested to determine commercial potential. The surface fresh water sands will be protected by setting 13-3/8" csg @ 325' & circ cmt back to surface. All intervals will be isolated by setting 5-1/2" csg to TD & circ cmt above the base of 8-5/8" csg.

#### 3. CASING PROGRAM: All casing is new & API approved

HOLE SIZE	DEPTH	OD CSG	WEIGHT	COLLAR	GRADE	COLLAPSE	BURST	TENSION
17-1/2"	0'-325'385	13-3/8"	48#	STC	H-40	1.125	1.0	1.8
11"	0′-3500′	8-5/8"	3,2#	STC	J-55	1.125	1.0	1.8
7-7/8″	0'-6409'	5-1/2"	1,7#	LTC	J-55	1.125	1.0	1.8

#### 4. CEMENT PROGRAM:

#### A. <u>13-3/8" Surface (100% excess cmt to surf)</u>:

Lead: 390 sx Class C w/ 1% CaCl2 + 0.25% R38 (14.8 wt, 1.34 yld) Comp Strengths : **12** hr - 813 psi **24** hr - 1205 psi

#### B. <u>8-5/8" Intermediate (100% excess cmt to surface):</u>

Lead: 800 sx (35:65) Poz C w/ 6% Bentonite + 5% Salt + 0.25% R38 (12.4wt, 2.1 yld) Compressive Strengths: **12 hr**  $\frac{1}{2}$  589 psi **24 hr** - 947 psi

<u>Tail:</u> 210 sx Class C w/0.25% R38 (14.8 wt, 1.34 yld) Compressive Strengths: **12 hr** - 813 psi **24 hr** - 1205 psi

#### C. <u>5-1/2" Production (TOC ~ 500' from surface / 30% excess cmt):</u>

Lead: 330 sx (35:65) Poz C w/ 5% Salt + 0.25% R38 + 6% Bentonite (12.4 wt, 2.1 yld) Compressive Strengths: 12 hr - 589 psi 24 hr - 947 psi

<u>Tail:</u> 540 sx (50:50) Poz C w/ 5% Salt + 0.25% R38 + 2% Bentonite (14.2 wt, 1.28 yld) Compressive Strengths: **12 hr** – 1379 psi **24 psi** – 2332 psi

\*\* The above cmt volumes could be revised pending caliper measurement from open hole logs. For Surface csg: If cmt does not circ to surface, the appropriate BLM office shall be notified, TOC shall be determined by running a temperature log, operator will propose a remediation method & request BLM approval. \*\*\* Known water flow in the area. If water flow is encountered, Apache may 2-stage Intermediate csg. A DVT may be used in the 8-5/8" Intermediate csg. An ECP may be placed below DVT. TD of the 11" hole at +/- 3500'. Assuming DVT set at +/- 1800', the following cmt will be used: Cmt 1<sup>st</sup> Stage w/ +/- 670 sx Cl C (14.8#, 1.33 yld) Cmt 2<sup>nd</sup> Stage w/ +/- 800sx Cl C (14.8#, 1.33 yld)

If DVT is set at a different depth, cmt volumes will be adjusted accordingly.

#### 5. PROPOSED CONTROL EQUIPMENT

*"EXHIBIT 3"* shows an 11" 3M psi WP BOP consisting of an annular bag type preventer, middle blind rams, bottom pipe rams. The BOP will be nippled up on the 13-3/8" surface csg and tested to 70% of casing burst. After intermediate casing is set & cemented an 11" 3M spool & BOP will be installed on the 8 5/8" casing & utilized continuously until TD is reached. The BOP will be tested at 2000 psi (maximum surface pressure is not expected to exceed 2M psi). BHP is calculated to be approximately 2819 psi. \*All BOP's and associated equipment will be tested as per BLM *Drilling Operations Order #2*. The BOP will be operated and checked each 24 hr period & the blind rams will be operated & checked when the drill pipe is out of the hole. Functional tests will be documented on the daily driller's log. *"EXHIBIT 3"* also shows a 3M psi choke manifold with a 3" blow down line. Full opening stabbing valve & Kelly cock will be on derrick floor in case of need. No abnormal pressures or temperatures are expected in this well. No nearby wells have encountered any well control problems.

## 6. PROPOSED MUD CIRCULATION SYSTEM: (Closed Loop System)

SeroA	INTERVAL	MW (ppg)	VISC (sec/qt)	FLUID LOSS (cc)	MUD TYPE
00.	0'-325' 385	8.4	29	NC	Fresh Water
	225' to 3500'	9.8 - 10.0	29	NC	Brine
	3500' - 6409'	8.9 – 9.0	29	NC	Cut Brine

\*\* Visual mud monitoring equipment shall be in place to detect volume changes. A mud test shall be performed every 24 hrs after mudding up to determine, as applicable: density, visc, gel strength, filtration, and pH. The necessary mud products for weight addition & fluid loss control will be on location at all times. In order to run open hole logs & casing, the above mud properties may have to be altered to meet these needs.

### 7. AUXILIARY WELL CONTROL EQUIPMENT / MONITORING EQUIPMENT:

11" x 3000 psi Double BOP/Blind & pipe ram (3M BOP/BOPE to be used as 2M system) 4-1/2" x 3000 psi Kelly valve 11" x 3000 psi mud cross – H2S detector on production hole Gate-type safety valve 3" choke line from BOP to manifold

2" adjustable chokes – 3" blow down line

Fill up line as per Onshore Order 2

#### 8. LOGGING, CORING & TESTING PROGRAM:

- A. OH logs: Dual Laterolog, MSFL, CNL, Litho-Density, Gamma Ray, Caliper & Sonic from TD back to 8-5/8" csg shoe.
- **B.** Run CNL, Gamma Ray from 8-5/8" csg shoe back to surface.
- **C.** No cores, DST's or mud logger are planned at this time.
- **D.** Additional testing will be initiated subsequent to setting the 5-1/2" production casing. Specific intervals will be targeted based on log evaluation, geological sample shows & drill stem tests.

#### 9. POTENTIAL HAZARDS:

No abnormal pressures or temperatures are anticipated. In the event abnormal pressures are encountered, however, the proposed mud program will be modified to increase the mud-weight. There is known presence of  $H_2S$  in this area. If  $H_2S$  is encountered the operator will comply with the provisions of *Onshore Oil & Gas Order No. 6.* All personnel will be familiar with all aspects of safe operation of equipment being used to drill this well. Estimated <u>BHP: 2819 psi</u> and estimated <u>BHT: 115°.</u>

#### **10. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:**

Road and location construction will begin after BLM has approved APD. Anticipated spud date will be as soon after BLM approval and as soon as rig will be available. Move in operations and drilling is expected to take approx <u>10 days</u>. If production casing is run then an additional <u>90 days</u> will be needed to complete well and construct surface facilities and/or lay flow lines in order to place well on production.

#### **11. OTHER FACETS OF OPERATION:**

After running csg, cased hole Gamma Ray, Neutron Collar logs will be run from TD back to all possible productive zones. The Cedar Lake; Glorieta-Yeso formation will be perforated and stimulated in order to establish production. The well will be swab tested & potentialed as an oil well.

# Apache Corporation

Eddy County, New Mexico Sec 18, T17S,31E Coffee Federal #17

Wellbore #1

Plan: Design #1

# **DDC Well Planning Report**

22 November, 2012



Apparche

#### **DDC** Well Planning Report



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	I Single User Db		o-ordinate Referen		
Company: Apache Cor			ference:		it (Original Well Elev)
	y, New Mexico		erence:		it (Original Well Elev)
Site: Sec 18, T17			eference:	Grid	
Well: Coffee Fede		Survey	Calculation Method	i: Minimum Curvature	
Wellbore: Wellbore #1	· · · ·				
Design: Design #1					
Project Eddy County	, New Mexico				
	e 1927 (Exact solution)	System	Datum:	Mean Sea Level	
	ADCON CONUS)				
Map Zone: New Mexico E	ast 3001				
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		1			0.23
Well Coffee Feder	al #17				)
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+E/-W	0.0 usft Easting		628,605.90 usft	Longitude:	103° 54' 52.613 W
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# DDC

Well Planning Report



Vatabase: company: roject: ite: Vell: Vellbore:	Apache Corp Eddy County Sec 18, T17S Coffee Feder Wellbore #1	New Mexico 3,31E		TVD R MD Re North	Co-ordinate eference: ference: Reference: / Calculation		WELL @ 3	771.0usft (Ori	ginal Well Elev) ginal Well Elev)
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San Andres		0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
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#### **DDC** Well Planning Report



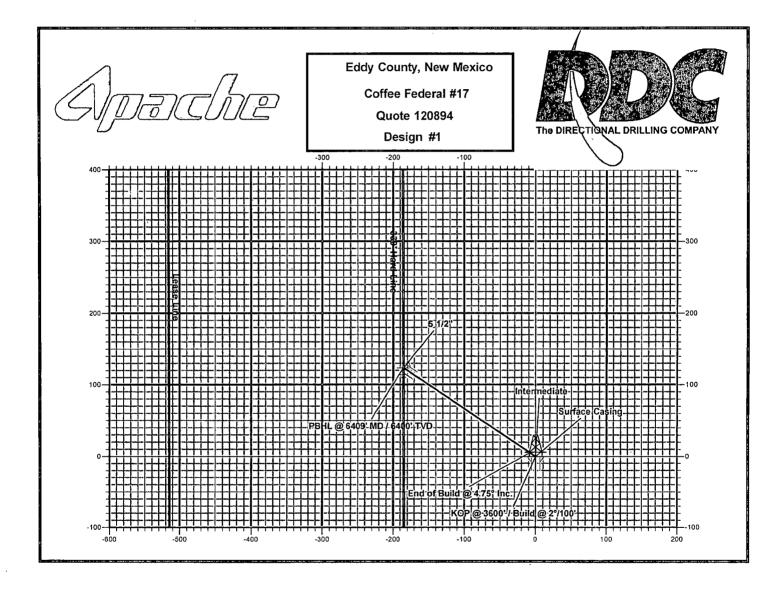
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Planned Survey		<u> and and and and and and and and and and</u>	<u>, servico res</u>	10 YATA-T. J. ATA-T. J					
Measured	clination > / (°)	Azimuth (۹)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate ('/100usft)	Büild Rate (//100usft)	Turn Rate 9/100usft)
KOP @ 3600' /	Build @ 2°/				· .			es Ryfers	
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6,200.0 6,300.0	4.75 4.75	303.73 303.73	6,191.6 6,291.3	114.1 118.7	-170.9 -177.8	205.5 213.8	0.00 0.00	0.00 0.00	0.00 0.00
<b>PBHL @ 6409'</b> 6,409.1			6,400.0	123.7	-185.3	222.8	0.00	0.00	0.00
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esign Targets		44.4			<u></u>	*,			

Design Targets arget Name - hit/miss target Dip Angle Dip Dir. TVD - Shape (°) (°) (usft) 4 Target Name 47 A 63 A -+N/-S +E/-W Easting Northing Longitude 4 👍 Shape (usft) (usft) (usft) (usft) PBHL Coffee Federal 6,400.0 -185.3 0.00 0.00 123.7 669,154.60 628,420.60 32° 50' 20.015 N 103° 54' 54.779 W - plan hits target center - Point

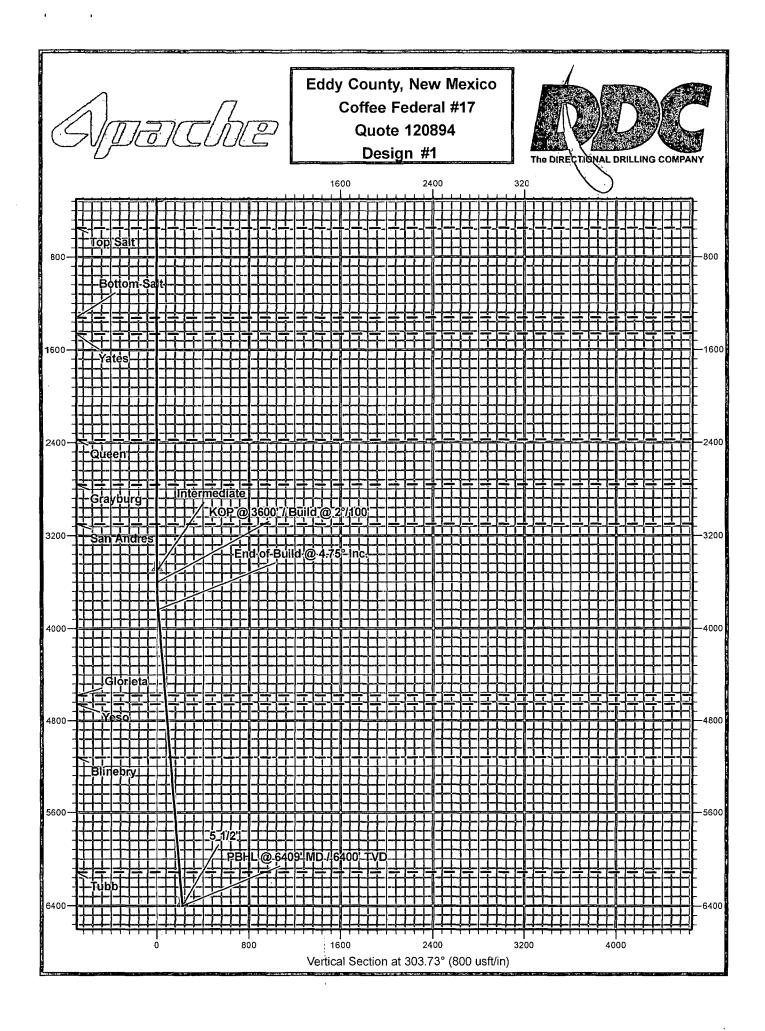
COMPASS 5000.1 Build 39

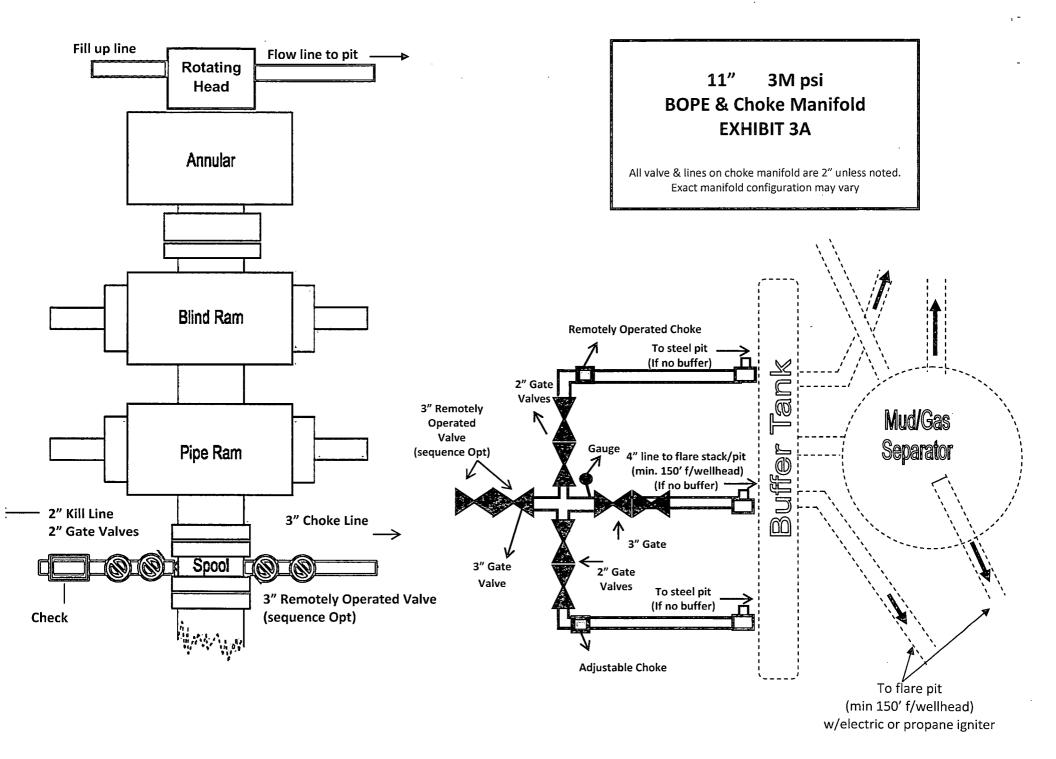
Copparcone	DDC Well Planning Report	DDE
Database:       EDM 5000,1 Single User Db         Company:       Apache Corporation         Project:       Eddy County, New Mexico         Site:       Sec 18, T17S,31E         Well:       Coffee Féderal #17         Wellbore:       Design:	Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method: 5	Well Coffee Federal #17 WELL @ 3771.0usft (Original Well Elev) WELL @ 3771.0usft (Original Well Elev) Grid Minimum Curvature
Câsing Points Measured Vertical Depth (usft) (usft)	Name	Casing Hole Diameter Diameter
325.0         325.0         Surface Casing           3,500.0         3,500.0         Intermediate           6,409.1         6,400.0         5 1/2"		13-3/8 17-1/2 8-5/8 11 5-1/2 7-7/8
Formations         Weasured Depth         Vertical Depth           267.0         267.0         Rustler           549.0         549.0         Top Salt           1,323.0         1,323.0         Bottom Salt           1,461.0         1,461.0         Yates           2,772.0         2,377.0         Queen           2,762.0         2,762.0         Grayburg           3,101.0         3,101.0         San Andres           4,582.8         4,580.0         Glorieta           4,659.1         4,656.0         Yeso           5,126.7         5,122.0         Blinebry           6,120.1         6,112.0         Tubb	ne Lithology	Dip         Direction           (°)         (°)           0.00         303.73           0.00         303.73           0.00         303.73           0.00         303.73           0.00         303.73           0.00         303.73           0.00         303.73           0.00         303.73           0.00         303.73           0.00         303.73           0.00         303.73           0.00         303.73           0.00         303.73           0.00         303.73           0.00         303.73           0.00         303.73           0.00         303.73           0.00         303.73           0.00         303.73
Plan Annotations         Local Coor           Measured         Vertical         Local Coor           Depth         Depth         +N/-S           (usft)         (usft)         (usft)           3,600.0         3,600.0         0.0           3,837.5         3,837.2         5.5           6,409.1         6,400.0         123.7	ŦĒ/Ŵ	IC.

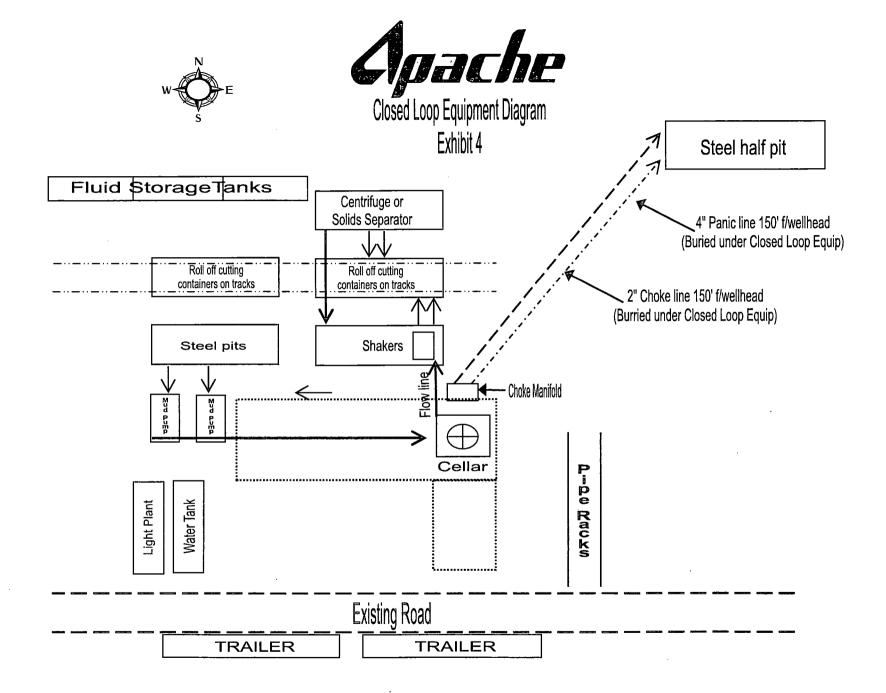
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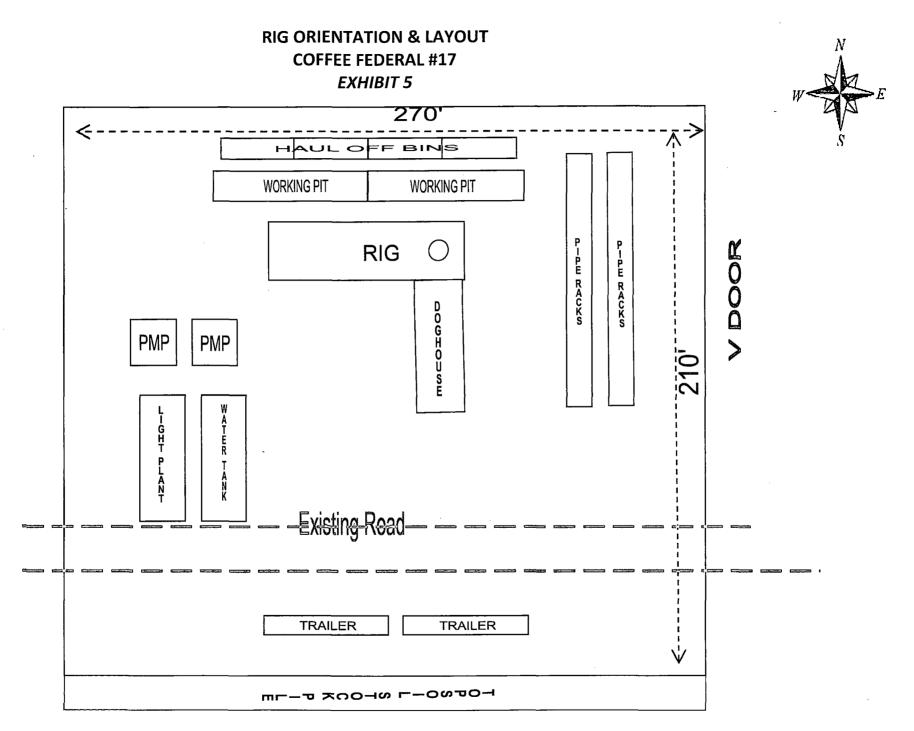


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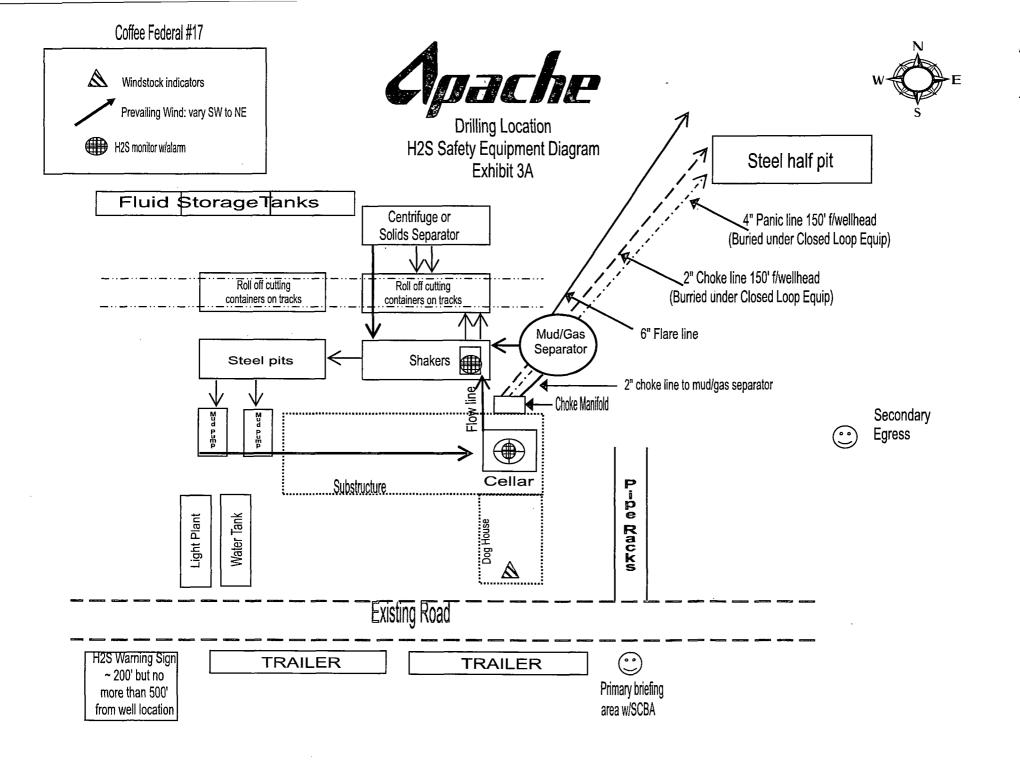








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# HYDROGEN SULFIDE (H<sub>2</sub>S) DRILLING OPERATIONS PLAN

#### Hydrogen Sulfide Training:

<u>All regularly assigned personnel, contracted or employed by Apache Corporation</u> will receive training from qualified instructor(s) in the following areas prior to commencing drilling possible hydrogen sulfide bearing formations in this well:

- The hazards and characteristics of hydrogen sulfide (H<sub>2</sub>S)
- The proper use and maintenance of personal protective equipment and life support systems.
- The proper use of H<sub>2</sub>S detectors, alarms, warning systems, briefing area, evacuation procedures & prevailing winds.
- The proper techniques for first aid and rescue procedures.

#### Supervisory personnel will be trained in the following areas:

- The effects of H<sub>2</sub>S on metal components. If high tensile tubulars are to be utilized, personnel will be trained in their special maintenance requirements.
- Corrective action & shut-in procedures when drilling or reworking a well & blowout prevention / well control procedures.
- The contents and requirements of the H<sub>2</sub>S Drilling Operations Plan

There will be an initial training session just prior to encountering a known or probable  $H_2S$  zone (within 3 days or 500') and weekly  $H_2S$  and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific  $H_2S$  Drilling Operations Plan and the Public Protection Plan. This plan shall be available at the well site. All personnel will be required to carry documentation that they have received proper training.

## H<sub>2</sub>S SAFETY EQUIPMENT AND SYSTEMS:

#### Well Control Equipment that will be available & installed if H<sub>2</sub>S is encountered:

- Flare Line with electronic igniter or continuous pilot.
- Choke manifold with a minimum of one remote choke.
- Blind rams & pipe rams to accommodate all pipe sizes with properly sized closing unit.
- Auxiliary equipment to include: annular preventer, mud-gas separator, rotating head & flare gun with flares

#### **Protective Equipment for Essential Personnel:**

• Mark II Survive-air 30 minute units located in dog house & at briefing areas, as indicated on wellsite diagram.

#### H2S Dection and Monitoring Equipment:

- Two portable H<sub>2</sub>S monitors positioned on location for best coverage & response. These units have warning lights & audible sirens when H<sub>2</sub>S levels of 20 ppm are reached.
- One portable H<sub>2</sub>S monitor positioned near flare line.

#### H2S Visual Warning Systems:

- Wind direction indicators are shown on wellsite diagram.
- Caution / Danger signs shall be posted on roads providing direct access to location. Signs will be painted a high visibility yellow with black lettering of sufficient size to be readable at a reasonable distance from the immediate location. Bilingual signs will be used when appropriate. *"EXHIBIT 7"*

#### Mud Program:

- The Mud Program has been designed to minimize the volume of H<sub>2</sub>S circulated to the surface. Proper mud weights, safe drilling practices & the use of H<sub>2</sub>S scavengers will minimize hazards when penetrating H<sub>2</sub>S bearing zones.
- A mud-gas separator and H<sub>2</sub>S gas buster will be utilized as needed.

#### Metallurgy:

- All drill strings, casing, tubing, wellhead, blowout preventers, drilling spool, kill lines, choke manifold & lines, & valves will be suitable for H<sub>2</sub>S service.
- All elastomers used for packing & seals shall be H<sub>2</sub>S trim.

#### Communication:

• Cellular telephone and 2-way radio communications in company vehicles, rig floor and mud logging trailer.

# HYDROGEN SULFIDE (H<sub>2</sub>S) CONTINGENCY PLAN

#### Assumed 100 ppm ROE = 3000'

100 ppm  $H_2S$  concentration shall trigger activation of this plan.

#### **Emergency Procedures**

In the event of a release of gas containing H<sub>2</sub>S, the first responder(s) must

- Isolate the area and prevent entry by other persons into the 100 ppm ROE.
- Evacuate any public places encompassed by the 100 ppm ROE.
- Be equipped with  $H_2S$  monitors and air packs in order to control the release.
- Use the "buddy system" to ensure no injuries occur during the response
- Take precautions to avoid personal injury during this operation.
- Contact operators and/or local officials to aid in operation. See list of phone numbers attached.
- Have received training in the :
  - Detection of H<sub>2</sub>S, and
  - o Measures for protection against the gas,
  - o Equipment used for protection and emergency response.

#### Ignition of Gas source

Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO<sub>2</sub>). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally the NM State Police may become involved. NM State Police shall be the Incident Command on scene of any major release. Take care to protect downwind whenever this is an ignition of the gas.

Common Name	Chemical Formula	Specific Gravity	Threshold Limit	Hazardous Limit	Lethal Concentration
Hydrogen Sulfide	H <sub>2</sub> S	1.189 Air = I	10 ppm	100 ppm/hr	600 ppm
Sulfur Dioxide	SO <sub>2</sub>	2.21 Air = I	2 ppm	N/A	1000 ppm

#### Characteristics of H<sub>2</sub>S and SO<sub>2</sub>

### **Contacting Authorities**

Apache Corporation personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available including directions to site. The following call list of essential and potential responders has been prepared for use during a release. Apache's response must be in coordination with the State of New Mexico's *"Hazardous Materials Emergency Response Plan" (HMER).* 

# WELL CONTROL EMERGENCY RESPONSE PLAN

#### I. <u>GENERAL PHILOSOPHY</u>

Our objective is to ensure that during an emergency, a predetermined procedure is followed so that prompt decisions can be made based on accurate information.

The best way to handle and emergency is with an experienced organization set up for the sole purpose of solving the problem. The *Well Control Emergency Response Team* was organized to handle dangerous & expensive well control problems. The *Team* is structured such that each individual can contribute the most from his area of expertise. Key decision-makers are determined prior to an emergency to avoid confusion about who is in charge.

If the well is flowing uncontrolled at the surface or subsurface, *The Emergency Response Team* will be mobilized. The *Team* is customized for the people currently on the Apache staff. Staff changes may require a change in the plan.

#### II. EMERGENCY PROCEDURE ON DRILLING OR COMPLETION OPERATIONS

**A.** In the event of an emergency the *Drilling Foreman or Tool-Pusher* will immediately contact only one of the following starting with the first name listed:

Name	Office	Mobile	Home
Danny Laman – Drlg Superintendent	432-818-1022	432-634-0288	432-520-3528
Barry Green – Drilling Engineer	432-818-1059	214-923-2528	
Bobby Smith Drilling Manager	432-818-1020	432-556-7701	
Jeff Burt – EH&S Coordinator		432-631-9081	

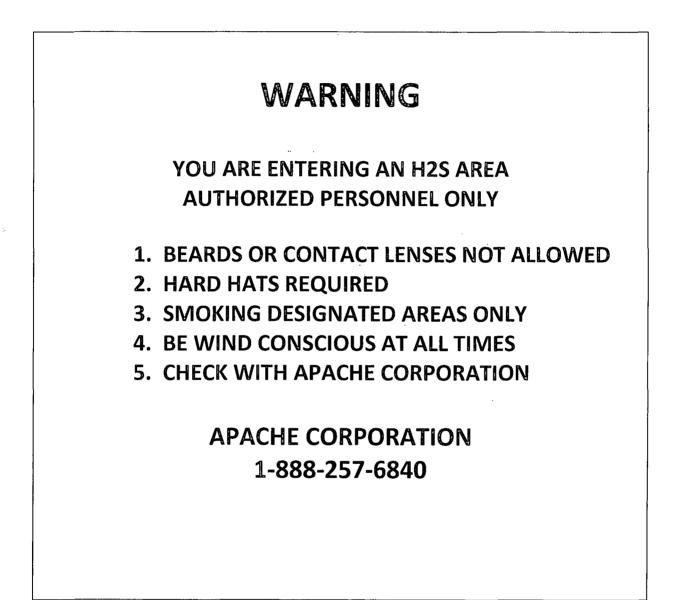
\*\*This one phone call will free the Drilling Foreman to devote his full time to securing the safety of personnel & equipment. This call will initiate the process to mobilize the Well Control Emergency Response Team. Apache maintains an Emergency Telephone Conference Room in the Houston office. This room is available for us by the Permian Region. The room has 50 separate telephone lines.

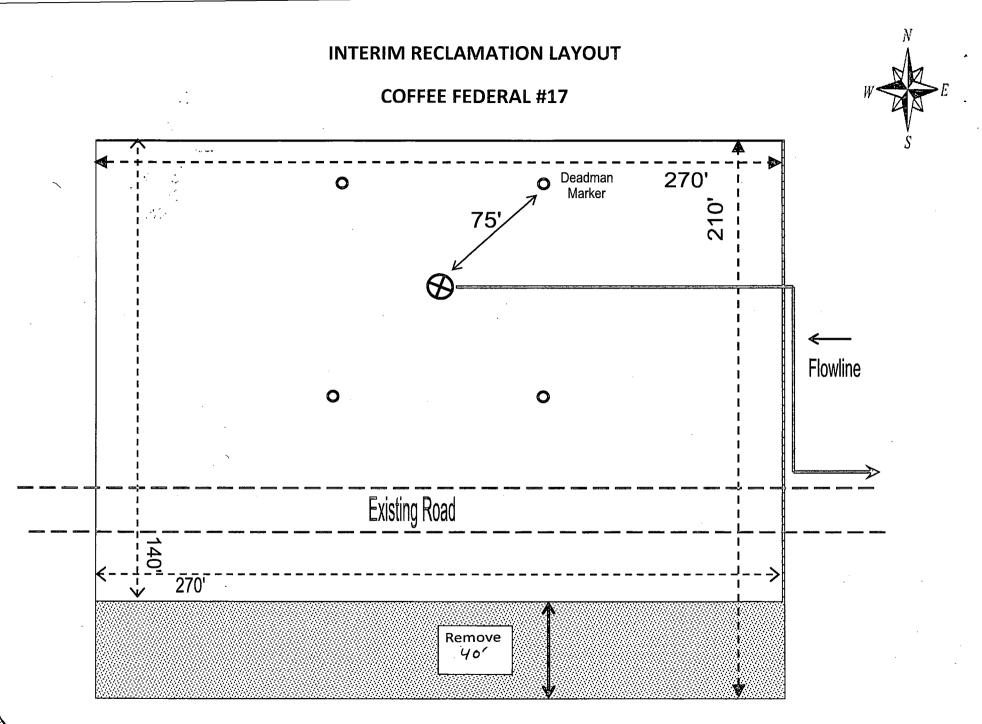
- **B.** The Apache employee contacted by the Drilling Foreman will begin contacting the rest of the *Team*. If **Danny** Laman is out of contact, **Terry West** will be notified.
- **C.** If a member of the *Emergency Response Team* is away from the job, he must be available for call back. Telephone numbers should be left with secretaries or a key decision-maker.
- **D.** Apache's reporting procedure for spills or releases of oil or hazardous materials will be implemented when spills or releases have occurred or are probable.

SHERIFF DEPARTMENT	
Eddy County	575-887-7551
Lea County	575-396-3611
FIRE DEPARTMENT	911
Artesia	575-746-5050
Carlsbad	575-885-2111
Eunice	575-394-2111
Hobbs	575-397-9308
Jal	575-395-2221
Lovington	575-396-2359
HOSPITALS	911
Artesia Medical Emergency	575-746-5050
Carlsbad Medical Emergency	575-885-2111
	575-885-2111 575-394-2112
Carlsbad Medical Emergency	
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Carlsbad Medical Emergency Eunice Medical Emergency Hobbs Medical Emergency Jal Medical Emergency Lovington Medical Emergency AGENT NOTIFICATIONS	575-394-2112 575-397-9308 575-395-2221 575-396-2359

#### **EMERGENCY RESPONSE NUMBERS:**

# EXHIBIT #7





21/22/12

# PECOS DISTRICT CONDITIONS OF APPROVAL

<b>OPERATOR'S NAME:</b>	APACHE CORPORATION
LEASE NO.:	LC-029548A
WELL NAME & NO.:	Coffee Federal 17
SURFACE HOLE FOOTAGE:	1115' FNL & 0515' FWL
<b>BOTTOM HOLE FOOTAGE:</b>	0990' FNL & 0330' FWL
LOCATION:	Section 18, T. 17 S., R 31 E., NMPM
COUNTY:	Eddy County, New Mexico

# TABLE OF CONTENTS

Standard Conditions of Approval (COA) apply to this APD. If any deviations to these standards exist or special COAs are required, the section with the deviation or requirement will be checked below.



**Permit Expiration** 

Archaeology, Paleontology, and Historical Sites

**Noxious Weeds** 

## Special Requirements

Lesser Prairie-Chicken Timing Stipulations

Ground-level Abandoned Well Marker

### **Construction**

Notification

Topsoil

Closed Loop System

Federal Mineral Material Pits

Well Pads

# Roads

# **Road Section Diagram**

Drilling

H2S requirements Logging Requirements Waste Material and Fluids

# Production (Post Drilling)

Well Structures & Facilities Pipelines

# **Interim Reclamation**

Final Abandonment & Reclamation