12-1188

Form 3160-3
(April 2004)

OCD Artesia

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
NMLC - 029548A

6. If Indian, Allotee or Tribe Name

JCS 1/14/2013

1a. Type of work: ☑ DRILL ☐ REENTER

7. If Unit or CA Agreement, Name and No.

1b. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Other ☑ Single Zone ☐ Multiple Zone

8. Lease Name and Well No.
COFFEE FEDERAL #12 <96831>

2. Name of Operator
APACHE CORPORATION 873

9. API Well No.
30-015- 40957

3a. Address 303 VETERANS AIRPARK LN #3000
MIDLAND, TX 79705

3b. Phone No. *(include area code)*
432-818-1167

10. Field and Pool, or Exploratory <96831>
CEDAR LAKE;GLORIETA-YESO

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*
At surface 1650' FNL & 2260' FWL
At proposed prod. zone SAME

11. Sec., T. R. M. or Blk. and Survey or Area
UL: F SEC: 18 T17S R31E

14. Distance in miles and direction from nearest town or post office*
APPROX 5.5 MILES EAST OF LOCO HILLS, NM

12. County or Parish
EDDY

13. State
NM

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. unit line, if any) 1650'

16. No. of acres in lease
224.09 acres

17. Spacing Unit dedicated to this well
40 ACRES

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. ~200'

19. Proposed Depth
6500'

20. BLM/BIA Bond No. on file
BLM-CO-1463 NATIONWIDE / NMB000736

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
3736' GL

22. Approximate date work will start*
As Soon As Approved

23. Estimated duration
~10 DAYS

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature Sorina L Flores — Name *(Printed/Typed)* SORINA L. FLORES — Date 11/13/12

Title SUPV OF DRILLING SERVICES

Approved by *(Signature)* /s/ James A. Amos — Name *(Printed/Typed)* — Date JAN 9 2013

Title FIELD MANAGER — Office CARLSBAD FIELD OFFICE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

APPROVAL FOR TWO YEARS

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

Roswell Controlled Water Basin

Approval Subject to General Requirements & Special Stipulations Attached

RECEIVED
JAN 11 2013
NMOCD ARTESIA

SEE ATTACHED FOR CONDITIONS OF APPROVAL

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 CORPORATION

Street or Box: 303 VETERANS AIRPARK 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 #12

Legal Description of Land: 1650' FNL & 2260' FWL

UL: F Section: 18 Township: 17S Range: 31E

County: EDDY State: NM

Bond Coverage: $150,000

Statewide Oil and Gas Surety Bond, APACHE CORPORATION.

BLM Bond File No.: BLM-CO-1463 NATIONWIDE

Signature: Bobby L Smith Printed Name: BOBBY L. SMITH

Title: DRILLING MANAGER, PERMIAN REGION

Date: 8/29/12

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 29 day of August 2012

Well: COFFEE FEDERAL #12

Operator Name: APACHE CORPORATION

Signature: _____ **Printed Name:** BARRY GREEN

Title: Drilling Engineer Date: _____

Email (optional): barry.green@apachecorp.com

Street or Box: 303 Veterans Airpark Ln., Ste. 3000

City, State, Zip Code: Midland, TX 79705

Telephone: 432-818-1059

Field Representative (if not above signatory): _____

Address (if different from above): _____

Telephone (if different from above): _____

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.

BP

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
11650 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
11650 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
30-015- 40957	96831	Cedar Lake; Glorieta-Yeso

Property Code	Property Name	Well Number
308710	COFFEE FEDERAL	12

OGRID No.	Operator Name	Elevation
873	APACHE CORPORATION	3736'

Surface Location

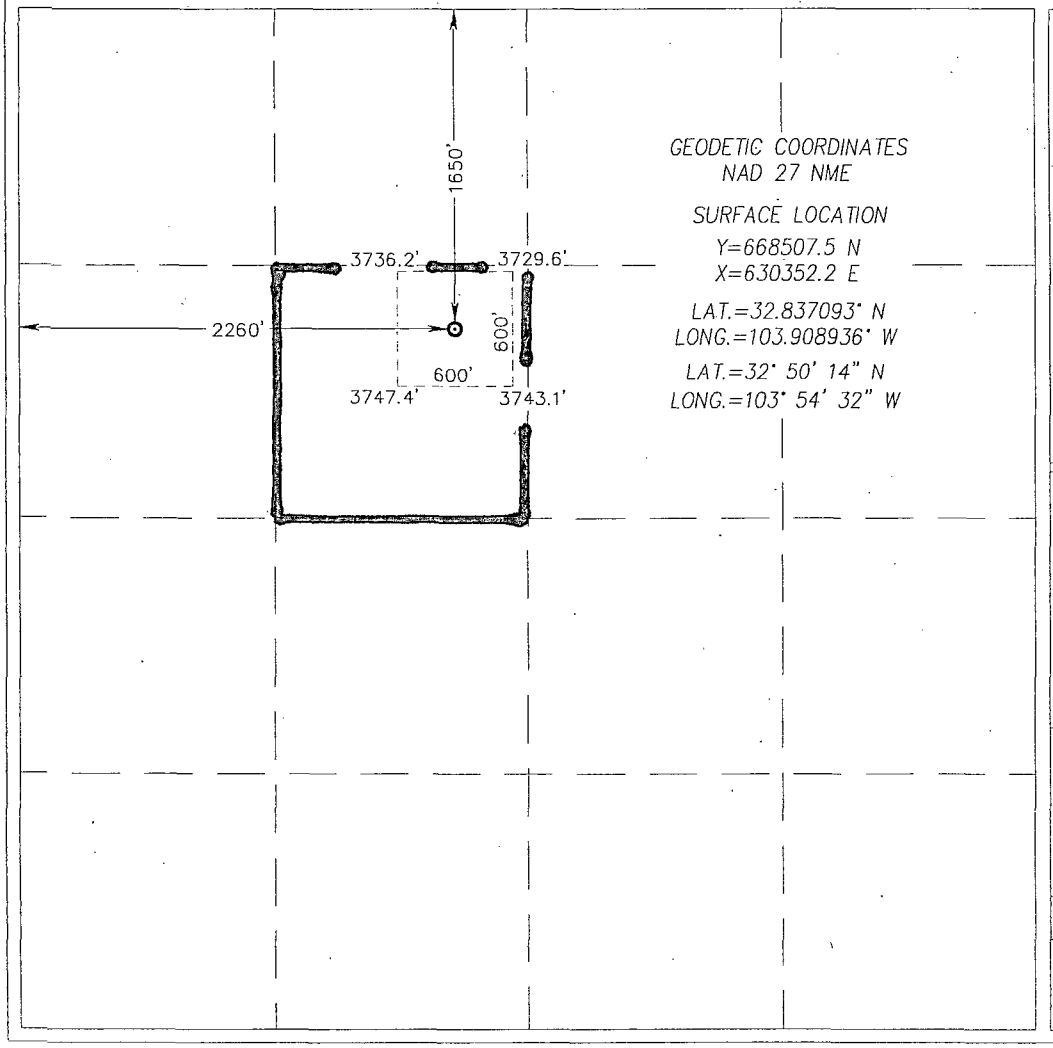
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	18	17-S	31-E		1650	NORTH	2260	WEST	EDDY

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

Dedicated Acres	Joint or Infill	Consolidation Code	Order 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



GEODETIC COORDINATES
NAD 27 NME

SURFACE LOCATION
Y=668507.5 N
X=630352.2 E

LAT.=32.837093° N
LONG.=103.908936° W

LAT.=32° 50' 14" N
LONG.=103° 54' 32" W

OPERATOR CERTIFICATION

I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Serina L Flores 8/23/12
Signature Date

Serina L. Flores
Printed Name

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.

FEBRUARY 18, 2011
Date Surveyed DSS

Signature & Seal of Professional Surveyor

Ronald J. Eidson 3/08/2011

11-11.0340

Certificate No. GARY G. EIDSON 12641
RONALD J. EIDSON 3239

RONALD J. EIDSON 3239 NEW MEXICO GARY G. EIDSON 12641 PROFESSIONAL SURVEYOR

DRILLING PLAN: BLM COMPLIANCE
(Supplement to BLM 3160-3)

APACHE CORPORATION (OGRID: 873) COFFEE FEDERAL #12

Lease #: NMLC-029548A Projected TD: 6500' GL: 3736'
1650' FNL & 2260' FWL UL: F 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	2367' (Oil)
Rustler	302'	Grayburg	2738' (Oil)
Salt Top	490'	San Andres	3082' (Oil)
Salt Bottom	1290'	Glorieta	4569'
Yates	1475'	Yeso	4655' (Oil)
Seven Rivers	1765' (Oil)		
TD	6500'		

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

See COA

HOLE SIZE	DEPTH 385	OD CSG	WEIGHT	COLLAR	GRADE	COLLAPSE	BURST	TENSION
17-1/2"	0' – ~~325'~~	13-3/8"	48#	STC	H-40	1.125	1.0	1.8
11"	0'-3500'	8-5/8"	24#	STC	J-55	1.125	1.0	1.8
7-7/8"	0'-6500'	5-1/2"	17#	LTC	J-55	1.125	1.0	1.8

4. CEMENT PROGRAM:

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

Lead: 350 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. 8-5/8" Intermediate (100% excess cmt to surface):

Lead: 710 sx (35:65) Poz C w/ 6% Bentonite + 5% Salt + 0.25% R38 *(12.4wt, 2.1 yld)*
Compressive Strengths: ***12 hr*** *– 589 psi* ***24 hr*** *– 947 psi*

Tail: 225 sx Class C w/0.25% R38 (14.8 wt, 1.34 yld)
Compressive Strengths: ***12 hr*** *– 813 psi* ***24 hr*** *– 1205 psi*

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

Lead: 300 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*

Tail: 700 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. If depth is greater than 100' or water is standing in the annulus, remedial cementing will be done. If no water & TOC tag is less than 100', when 100% excess cmt of the annulus volume is run on the primary job, operator will propose a remediation method & request BLM approval.*

*** ***Known water flow in the area.*** *If water flow is encountered, Apache will 2-stage Intermediate csg. A DVT will be used in the 8-5/8" Intermediate csg. An ECP may be placed below DVT. TD of the 11" hole at +/- 3500'. Aassuming DVT set at +/- 1800', the following cmt will be used:* ***Cmt 1st Stage*** *w/ +/- 450 sx Cl C (14.8#, 1.33 yld)* ***Cmt 2nd Stage*** *w/ +/- 900sx 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 nipped 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 2860 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 of temperatures are expected in this well. No nearby wells have encountered any problems.

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

See COA

INTERVAL	MW (ppg)	VISC (sec/qt)	FLUID LOSS (cc)	MUD TYPE
0' ~~325'~~ 335	8.4	29	NC	Fresh Water
335 ~~325'~~ to 3500'	9.8 – 10.0	29	NC	Brine
3500' – 6500'	8.9 – 9.0	29	NC	Cut Brine

*** ***The necessary mud products for weight addition and 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 BHP: 2860 psi and estimated BHT : 115°.

10. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

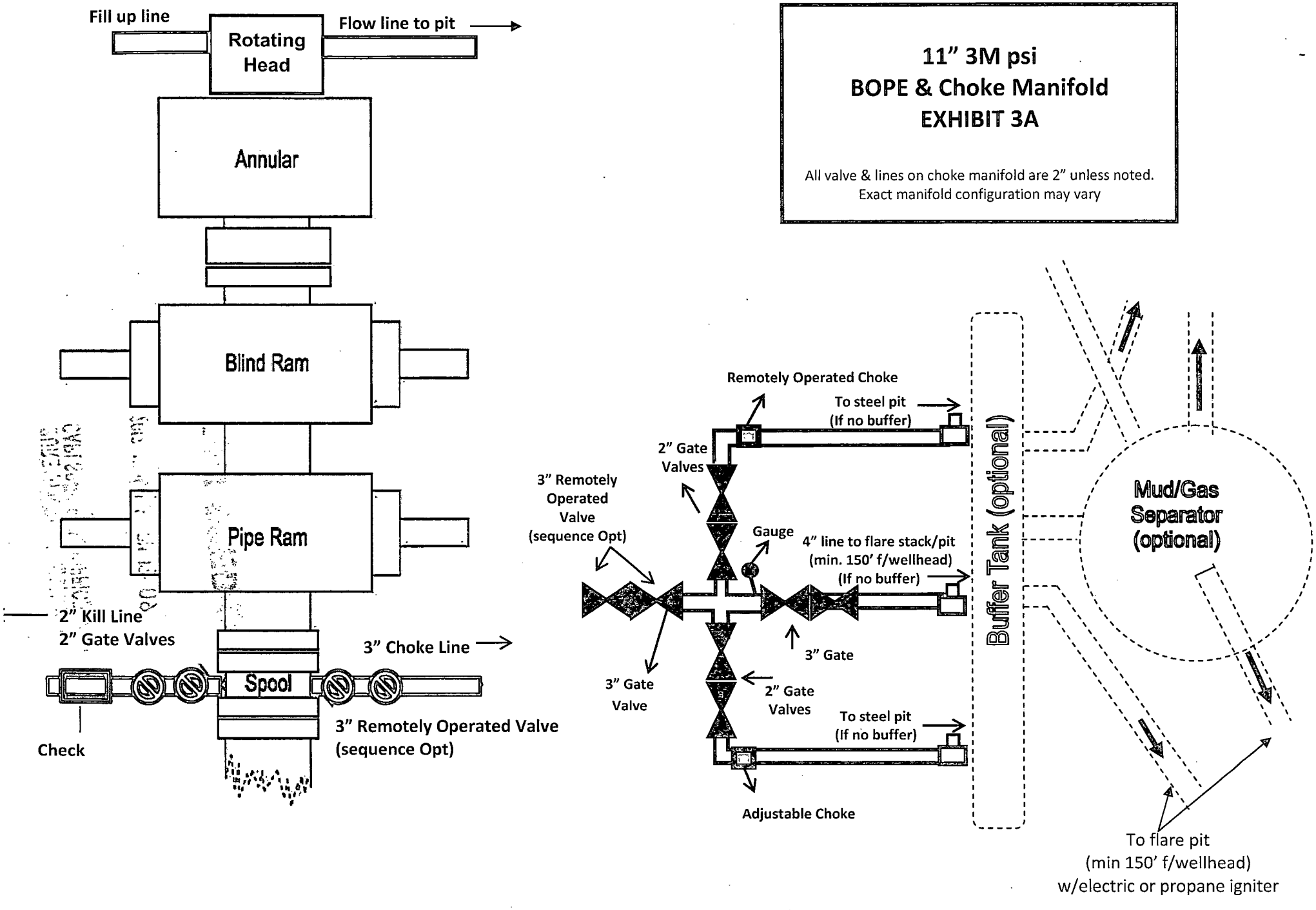
Road and location construction will begin after BLM has approved APD. Anticipated spud date will be as soon after BLM approval and as soon as rig will be available. Move in operations and drilling is expected to take approx 10 days. If production casing is run then an additional 90 days will be needed 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.

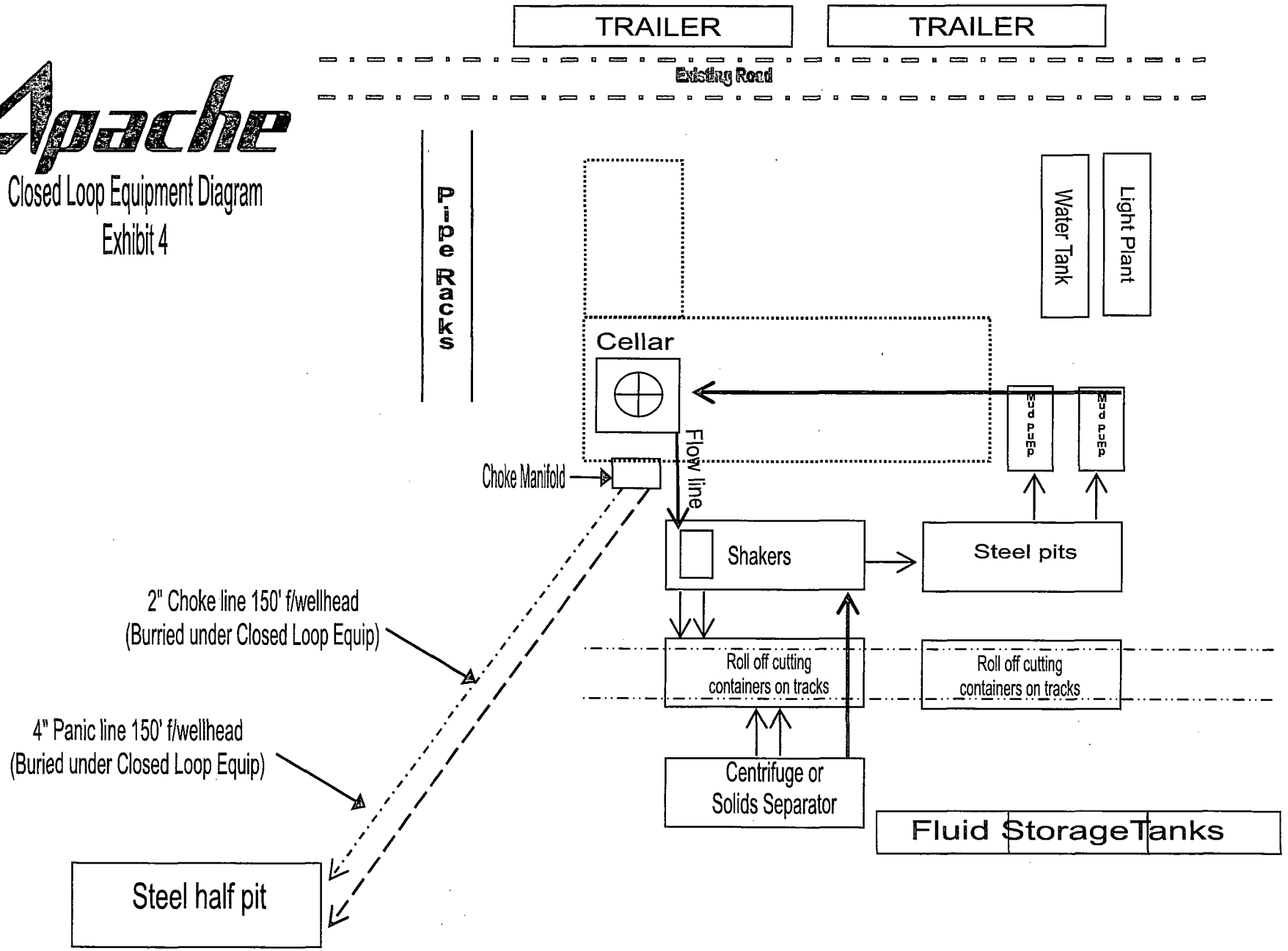
11" 3M psi
BOPE & Choke Manifold
EXHIBIT 3A

All valve & lines on choke manifold are 2" unless noted.
Exact manifold configuration may vary



Apache

Closed Loop Equipment Diagram
Exhibit 4



DESIGN PLAN, OPERATING & MAINTENANCE PLAN, & CLOSURE PLAN FOR OCD FOR C-144

COFFEE FEDERAL #12

DESIGN PLAN

Fluid & cuttings coming from drilling operations will pass over the Shale Shaker with the cuttings going to the Sundance Inc / CRI haul off bin and the cleaned fluid returning to the working steel pits.

Equipment includes:

2 – 500 bbl steel frac tanks (fresh water for drilling)
2 – 180 bbl steel working pits
3 – 75 bbl steel haul off bins
2 – Pumps (6-1/2" x 10" PZ 10 or equivalent)
1 – Shale shaker
1 – Mud cleaner – QMAX MudStripper

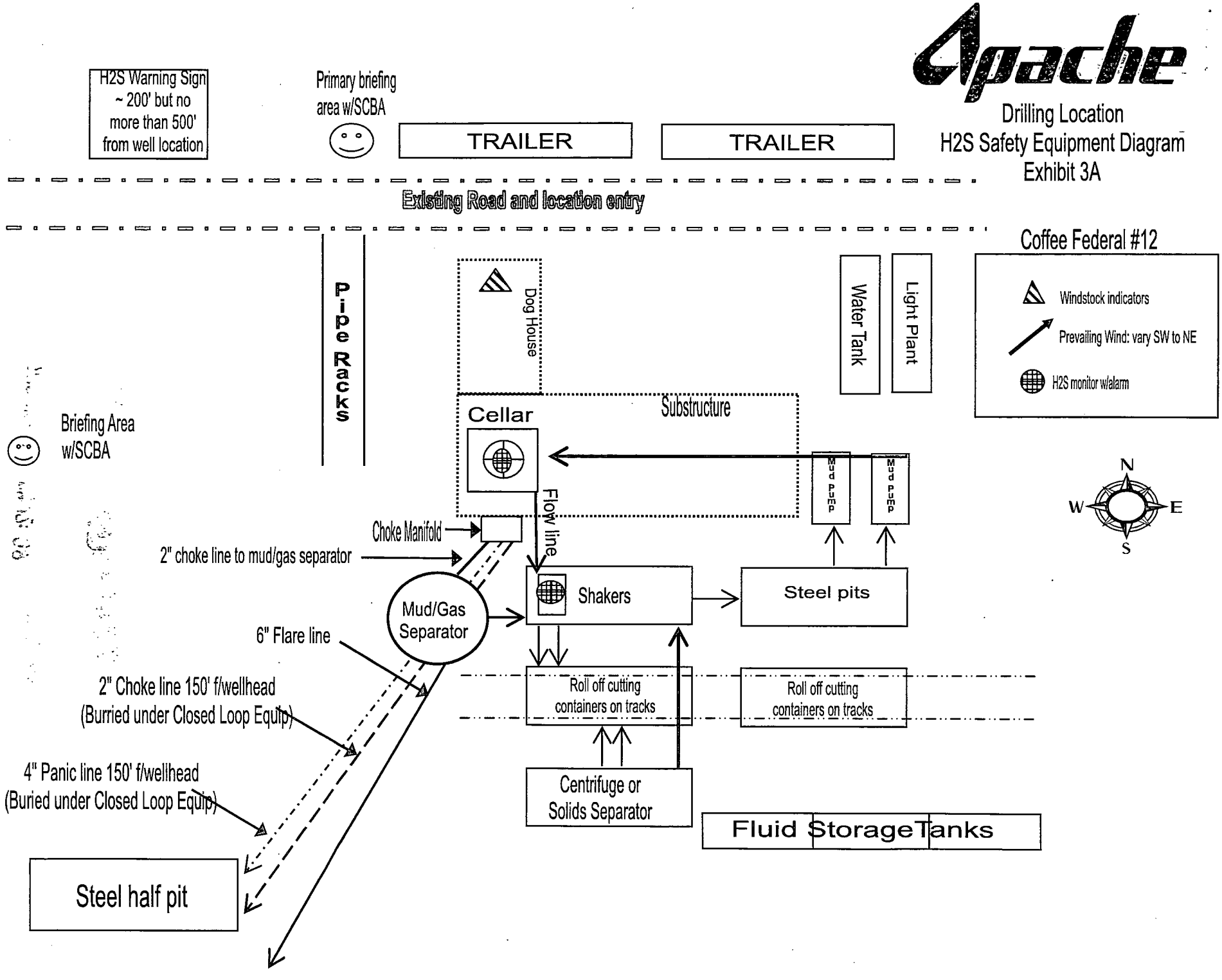
OPERATING AND MAINTENANCE PLAN

Inspection to occur every tour for proper operation of system and individual components. If any problems are found they will be repaired and/or corrected immediately.

CLOSURE PLAN

All haul bins containing cuttings will be removed from location and hauled to Sundance Incorporated (NM-01-0003) disposal site located 3 miles East of Eunice, NM on the Texas border / Controlled Recovery, Inc's (NM-01-0006) disposal site located near mile marker 66 on Highway 62/180.

Sorina L. Flores
Supv. of Drilling Services


Apache
Drilling Location
H2S Safety Equipment Diagram
Exhibit 3A
H2S Warning Sign ~ 200' but no more than 500' from well location
Primary briefing area w/SCBA
TRAILER
TRAILER
Existing Road and location entry
Coffee Federal #12
Windstock indicators
Prevailing Wind: vary SW to NE
H2S monitor w/alarm
Pipe Racks
Dog House
Water Tank
Light Plant
Briefing Area w/SCBA
Cellar
Substructure
Mud Pits
Mud Pits
N
W
E
S
Choke Manifold
2" choke line to mud/gas separator
Flow line
Mud/Gas Separator
Shakers
Steel pits
6" Flare line
2" Choke line 150' f/wellhead
(Burried under Closed Loop Equip)
Roll off cutting containers on tracks
Roll off cutting containers on tracks
4" Panic line 150' f/wellhead
(Buried under Closed Loop Equip)
Centrifuge or Solids Separator
Fluid StorageTanks
Steel half pit

HYDROGEN SULFIDE (H_2S) DRILLING OPERATIONS PLAN

Hydrogen Sulfide Training:

All regularly assigned personnel, contracted or employed by Apache Corporation 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_2S)
- The proper use and maintenance of personal protective equipment and life support systems.
- The proper use of H_2S 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_2S 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_2S 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_2S SAFETY EQUIPMENT AND SYSTEMS:

Well Control Equipment that will be available & installed if H_2S 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_2S monitors positioned on location for best coverage & response. These units have warning lights & audible sirens when H_2S levels of 20 ppm are reached.
- One portable H_2S 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_2S circulated to the surface. Proper mud weights, safe drilling practices & the use of H_2S scavengers will minimize hazards when penetrating H_2S bearing zones.
- A mud-gas separator and H_2S 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_2S service.
- All elastomers used for packing & seals shall be H_2S trim.

Communication:

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

HYDROGEN SULFIDE (H_2S) 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_2S, 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_2S, and
  - Measures for protection against the gas,
  - 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_2). 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.

Characteristics of H_2S and SO_2

Common Name	Chemical Formula	Specific Gravity	Threshold Limit	Hazardous Limit	Lethal Concentration
Hydrogen Sulfide	H_2S	1.189 Air = I	10 ppm	100 ppm/hr	600 ppm
Sulfur Dioxide	SO_2	2.21 Air = I	2 ppm	N/A	1000 ppm

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. GENERAL PHILOSOPHY

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, **Barry Green** 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.

EMERGENCY RESPONSE NUMBERS:

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
Eunice Medical Emergency	575-394-2112
Hobbs Medical Emergency	575-397-9308
Jal Medical Emergency	575-395-2221
Lovington Medical Emergency	575-396-2359
AGENT NOTIFICATIONS	
Bureau of Land Management	575-393-3612
New Mexico Oil Conservation Division	575-393-6161

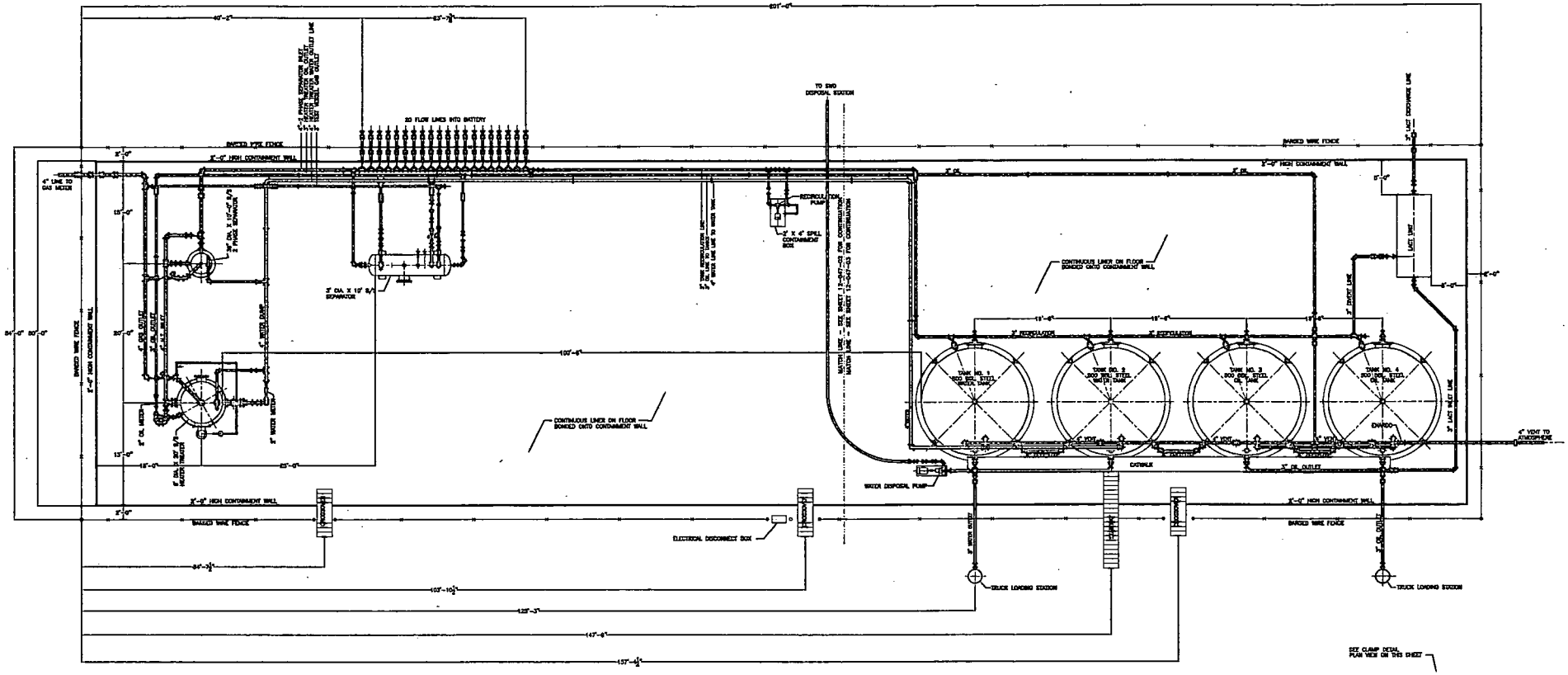
EXHIBIT #7

WARNING

YOU ARE ENTERING AN H_2S AREA
AUTHORIZED PERSONNEL ONLY

1. BEARDS OR CONTACT LENSES NOT ALLOWED
2. HARD HATS REQUIRED
3. SMOKING DESIGNATED AREAS ONLY
4. BE WIND CONSCIOUS AT ALL TIMES
5. CHECK WITH APACHE CORPORATION

APACHE CORPORATION
1-888-257-6840



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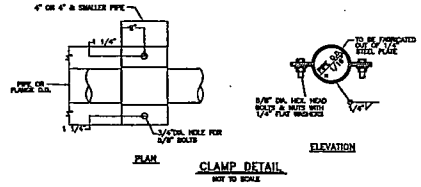
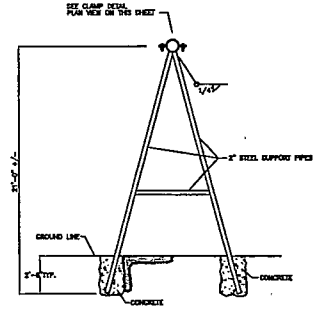


CLAMP DETAIL
NOT TO SCALE



TANK VENT PIPE SUPPORT
NOT TO SCALE

REFERENCE DRAWINGS	
NUMBER	DESCRIPTION

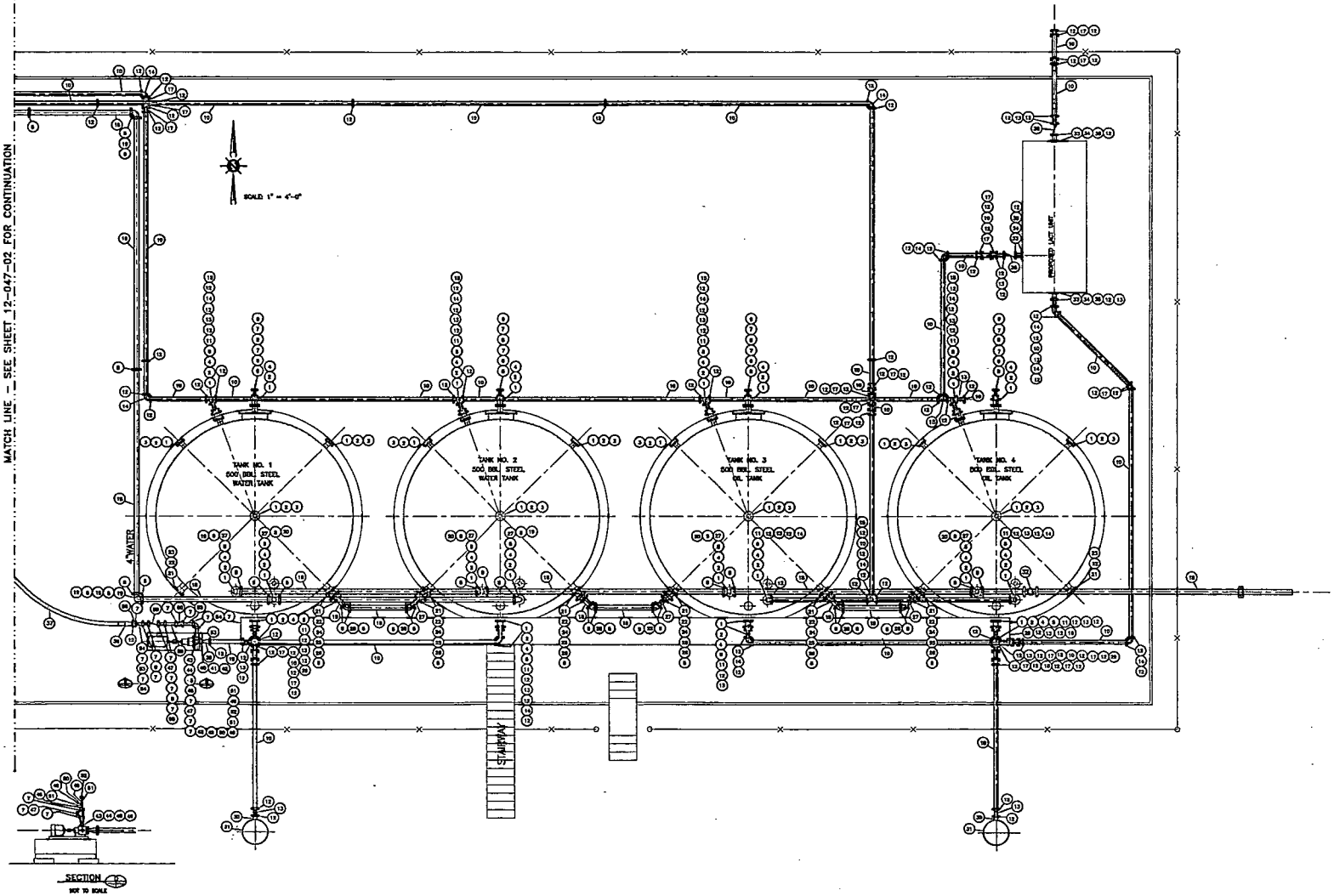
REVISIONS		
DATE	REVISION	DESCRIPTION

CORPORATION

APACHE
COFFEE FEDERAL BATTERY
EDDY COUNTY, NEW MEXICO

PLAN LAYOUT

DRAWN BY: p.j.b.
CHECKED BY:
DATE: 2/16/12
DRAWING NO. 12-047-01



BILL OF MATERIAL

ITEM	QTY	DESCRIPTION
1	32	4"-150# ANSI RF GASKET, FLEX.
2	224	5/8"Ø X 3 1/2" LONG B-7 STUDS W/NUTS
3	12	4"-150# ANSI RF BLIND FLANGE
4	20	4"-150# FLANGED X 4" GROOVED VICTAULIC ADAPTER, IPC
5	52	4" QUICK-VIC NO. 107 VICTAULIC COUPLING W/EHDEM. GASKET
6	4	4" X 2" NO. 50 VICTAULIC REDUCER, IPC
7	24	2" QUICK-VIC NO. 107 VICTAULIC COUPLING W/EHDEM. GASKET
8	8	2" SERIES 721 VICTAULIC BALL VALVE, 316S.S.
9	4	2" NO. 50 VICTAULIC CAP, IPC
10	320	3" SCH. 40 STEEL PIPE, IPC
11	10	4" X 3" NO. 50 VICTAULIC REDUCER, IPC
12	111	3" QUICK-VIC NO. 107 VICTAULIC COUPLING W/EHDEM. GASKET
13	18	3" SERIES 721 VICTAULIC BALL VALVE, 316S.S. TRIM
14	16	3" X 90° NO. 10 VICTAULIC ELL, IPC
15	6	3" X 3" NO. 20 VICTAULIC TEE, IPC
16	1	3" NO. 50 VICTAULIC CAP, IPC
17	18	3" X 45° NO. 11 VICTAULIC ELL, IPC
18	200'	6" SCH. 40 STEEL PIPE, IPC
19	8	6" X 90° NO. 10 VICTAULIC ELL, IPC
20	4	6" X 6" NO. 20 VICTAULIC TEE, IPC
21	6	6"-150# ANSI RF GASKET, FLEX.
22	84	3/4"Ø X 4" LONG B-7 STUDS W/NUTS
23	2	6"-150# ANSI RF BLIND FLANGE
24	6	6"-150# ANSI FLANGED X GROOVED VICTAULIC ADAPTER, IPC
25	6	6" QUICK-VIC NO. 107 VICTAULIC COUPLING W/EHDEM. GASKET
26	6	6" X 4" NO. 50 VICTAULIC REDUCER, IPC
27	8	6" SERIES 721 VICTAULIC BALL VALVE, 316S.S. TRIM
28	6	4" X 45° NO. 11 VICTAULIC ELL, IPC
29	2	3" X 3" NO. 35 VICTAULIC CROSS, IPC
30	2	3" GROOVED X NPT NO. 40 VICTAULIC NIPPLE, IPC
31	2	3" PCC TRUCK LOAD CONTAINMENT, MODEL NO. 310
32	1	4" EMERSO MODEL NO. 840-80 VENT VALVE
33	3	3"-150# ANSI RF GASKET, FLEX.
34	12	5/8"Ø X 3 1/2" LONG B-7 STUDS W/NUTS
35	3	3"-150# RF FLANGED X 3" GROOVED VICTAULIC ADAPTER, IPC
36	2	3" SERIES 712 VICTAULIC CHECK VALVE, IPC, 316S.S. TRIM
37		3" POLY PIPE
38	1	3" GROOVED STEEL X POLY ADAPTER
39	1	3" GROOVED X 2" NPT SWAGE, IPC
40	1	2"-150# ANSI RF THREADED FLANGE, IPC
41	1	2"-150# ANSI RF GASKET, FLEX.
42	4	5/8"Ø X 3" LONG B-7 STUDS W/NUTS
43	1	1"-150# ANSI RF THREADED FLANGE, IPC
44	1	1"-150# ANSI RF GASKET, FLEX.
45	4	1/2" X 2 1/4" LONG B-7 STUDS W/NUTS
46	1	2" GROOVED X 1" NPT SWAGE, IPC
47	2	2" X 2" NO. 20 VICTAULIC TEE, IPC
48	1	2" NO. 50 VICTAULIC CAP W/ 1/4" NPT TAPPED HOLE, IPC
49	3	1/4" X 3" LONG NPT NIPPLE, SCH. 40
50	1	1/4" X 1/4" NPT TEE, 2000#
51	2	1/4" FNPT BALL VALVE, 2000# WOG, 316S.S.
52	1	1/4" MNPT 0-100 PSI PRESSURE GAUGE, LIQUID FILLED, 316S.S.
53	22'	2" SCH. 40 STEEL PIPE
54	3	2" X 90° NO. 10 VICTAULIC ELL, IPC
55	2	2" X 10" LONG GROOVED END STEEL PIPE NIPPLE, IPC
56	1	2" X 2" NO. 50 VICTAULIC NIPPLE, IPC
57		D E L E T E D
58	1	2" GROOVED END PRESSURE TRANSDUCER
59	1	2" SERIES 712 VICTAULIC CHECK VALVE, IPC, 316S.S. TRIM
60	1	2" GROOVED END TURBINE METER W/MAGNETIC PICKUP AND FLOW ANALYZER, 316S.S.

REFERENCE DRAWINGS

NUMBER	DESCRIPTION

REVISIONS

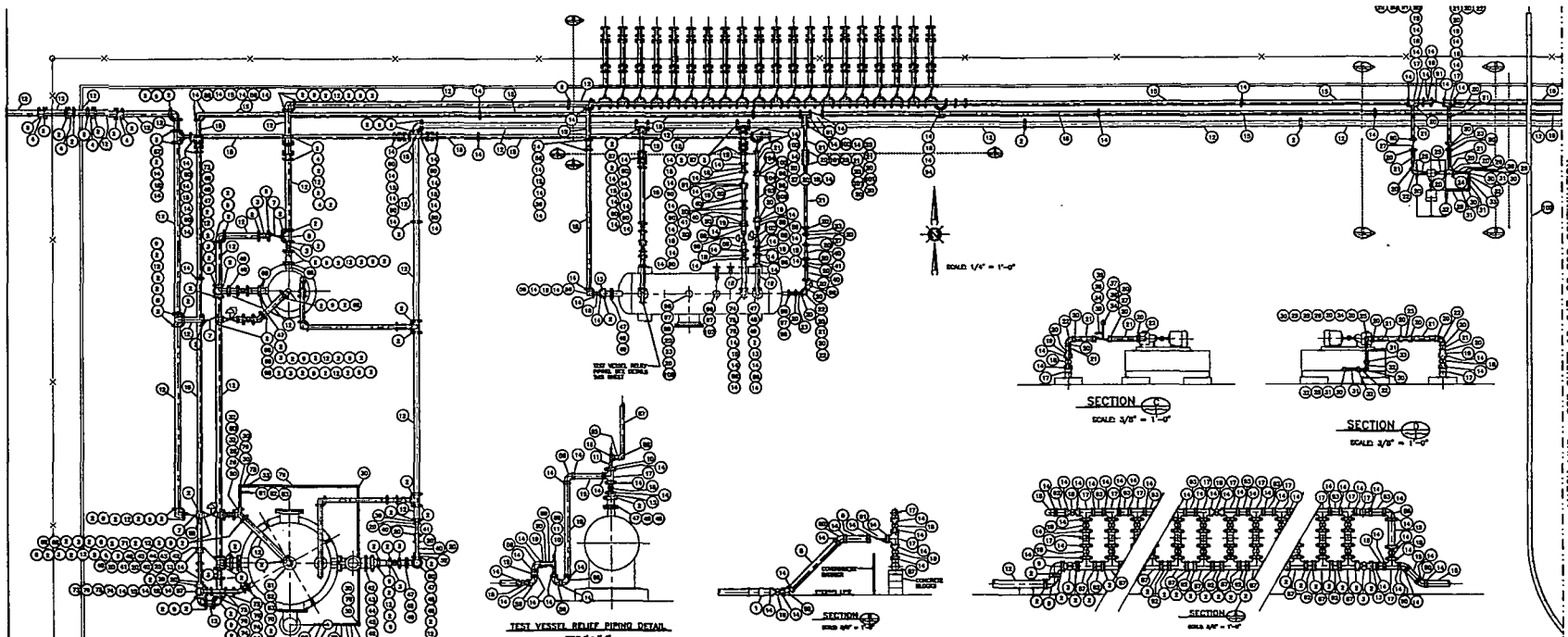
DATE	REVISION	DESCRIPTION

CORPORATION

APACHE
COFFEE FEDERAL BATTERY
EDDY COUNTY, NEW MEXICO

EAST END
PIPING PLAN LAYOUT

DRAWN BY: p.j.b. | CHECKED BY:
DATE: 2/16/12 | DRAWING NO. 12-047-03



TEST VESSEL RELIEF PIPING DETAIL

HEATER RELIEF PIPING DETAIL

2 PHASE SEPARATOR RELIEF PIPING DETAIL

BILL OF MATERIAL

ITEM	QTY	DESCRIPTION
1	20	3" GROOVED STEEL X POLY ADAPTER
2	151	4" QUICK VIC 107 VICTAULIC COUPLING W/EHDEGM, GASKET
3	12	4" SERIES 721 VICTAULIC BALL VALVE, 3163.3, 1PBM
4	6	4" X 45° NO. 11 VICTAULIC ELL, IPC
5	20	3" X 3"-6" LONG SCH. 40 STEEL GROOVED NIPPLE, IPC
6	20	4" X 1"-3" LONG SCH. 40 STEEL GROOVED NIPPLE, IPC
7	3	4" SERIES 712 VICTAULIC CHECK VALVE, IPC, 3145.3, 1BM
8	4	4" X 4" NO. 23 VICTAULIC TEE, IPC
9	28	4" X 90° NO. 10 VICTAULIC ELL, IPC
10	2	3" X 1" NO. 52 VICTAULIC REDUCER, THREADED SMALL, IPC
11	2	1" NPT PIPE COLLAR, 2000#, IPC
12	300'	4" SCH. 40 STEEL PIPE, IPC
13	8	4" X 3" NO. 60 VICTAULIC REDUCER, IPC
14	311	3" QUICK VIC 107 VICTAULIC COUPLING W/EHDEGM, GASKET
15	360	3" SCH. 40 STEEL PIPE, IPC
16	1	1" X 3" MNPT X FNPT RELIEF VALVE, SET @ 125 PSI
17	47	3" X 3" NO. 23 VICTAULIC TEE, IPC
18	81	3" SERIES 721 VICTAULIC BALL VALVE, 3163.3, 3BM
19	8	3" X 2" NO. 60 VICTAULIC REDUCER, IPC
20	57	2" QUICK VIC 107 VICTAULIC COUPLING W/EHDEGM, GASKET
21	40'	2" SCH. 40 STEEL PIPE, IPC
22	8	2" X 90° NO. 10 VICTAULIC ELL, IPC
23	4	2" SERIES 721 VICTAULIC BALL VALVE, 3163.3,
24	1	2" X 2" NO. 23 VICTAULIC TEE, IPC
25	2	2" GROOVED X 1 1/2" MNPT SPACE, IPC
26	2	2" GROOVED X 1" MNPT SPACE, IPC
27	3	2" SERIES 712 VICTAULIC CHECK VALVE, IPC, 3145.3,
28	6	1" FNPT BALL VALVE, 2000# WOG, 3165.3,
29	1	1" X CLOSE NPT NIPPLE, SCH. 40, IPC
30	6	1" X 90° NPT ELL, 2000# WOG, IPC
31	10'	1" SCH. 40 STEEL PIPE, IPC
32	9	1" X 4" LONG NPT NIPPLE, SCH. 40, IPC
33	4	1" NPT HEX. UNION, 2000#, IPC
34	2	1/4" X 3" LONG NPT NIPPLE, SCH. 40
35	1	1/4" X 1/4" NPT TEE, 2000#
36	2	1/4" FNPT BALL VALVE, 2000# WOG, 3165.3,
37	1	1/4" MNPT 0-100 PSI PRESSURE GAUGE, LIQUID FILLED, 3163.3,
38	1	1/4" MNPT PLUG, 3163.3,
39	3	4" X 3" NO. 60 VICTAULIC REDUCER, IPC
40	9	3" X 10" LONG SCH. 40 STEEL GROOVED END NIPPLE, IPC
41	4	3" GROOVED END TURBINE METER W/MAGNETIC PICKUP & FLOW ANALYZER, 3163.3,
42	2	8"-150# ANSI RF GASKET, FLEX.
43	18	3/4"Ø X 4 1/4" LONG B-7 STUDS W/NUTS
44	2	8"-150# RF FLANGED X GROOVED VICTAULIC ADAPTER, IPC
45	2	8" QUICK-VIC 107 VICTAULIC COUPLING W/EHDEGM, GASKET
46	2	8" X 4" NO. 60 VICTAULIC REDUCER, IPC
47	7	4"-150# RF FLANGED X GROOVED VICTAULIC ADAPTER, IPC
48	7	4"-150# ANSI RF GASKET, FLEX.
49	58	5/8"Ø X 3 1/2" LONG B-7 STUDS W/NUTS
50	1	4"-150# ANSI RF TREATER WATER DUMP VALVE
51	2	6"-150# RF FLANGED X GROOVED VICTAULIC ADAPTER, IPC
52	2	6"-150# ANSI RF GASKET, FLEX.
53	16	3/4"Ø X 4" LONG B-7 STUDS W/NUTS
54	1	6" QUICK-VIC 107 VICTAULIC COUPLING W/EHDEGM GASKET
55	1	6" X 3" NO. 60 VICTAULIC REDUCER, IPC
56	28	3" X 90° NO. 10 VICTAULIC ELL, IPC
57	23	4" X 4" X 3" NO. 23 VICTAULIC REDUCING TEE, IPC
58	7	3" NO. 40 NPT X GROOVED VICTAULIC NIPPLE, 8" LONG, IPC
59	1	3" MNPT X 3" FNPT RELIEF VALVE, SET @ 70 PSI
60	4	3" NPT PIPE COLLAR, IPC, 2000#
61	4	3" X 3" NO. 52 VICTAULIC REDUCER, THREADED SMALL, IPC
62	1	3" MNPT X 3" FNPT RELIEF VALVE, SET @ 75 PSI
63	2	3" X 6" LONG SCH. 40 NPT NIPPLE
64	2	3" X 90° NPT ELL, 3000# WITH 1/8" DIA. WEEP HOLE
65	2	3" X 36" LONG SCH. 40 NPT NIPPLE
66	1	2" MNPT X 3" FNPT RELIEF VALVE, SET @ 125 PSI
67	1	2" MNPT X 3" FNPT RELIEF VALVE, SET @ 120 PSI
68	7	4" NO. 40 NPT X GROOVED VICTAULIC NIPPLE, 6" LONG, IPC
69	2	4" FNPT GAS BACK PRESSURE VALVE
70	1	6" X 4" NO. 60 VICTAULIC REDUCER, IPC
71	1	4" X 4" X 2" NO. 23 VICTAULIC REDUCING TEE, IPC
72	1	4"-150# ANSI SEPARATOR DUMP VALVE
73	1	3"-150# ANSI RF HEATER TREATER OIL DUMP VALVE
74	4	3"-150# ANSI RF FLANGED X GROOVED VICTAULIC ADAPTER, IPC
75	4	3"-150# ANSI RF GASKET, FLEX.
76	16	5/8"Ø X 3 1/2" LONG B-7 STUDS W/NUTS
77	1	FUEL GAS SCRUBBER
78	4	1" X 6" LONG NPT NIPPLE, SCH. 40, IPC
79	20'	1" SCH. 40 STEEL PIPE, T&C
80	1	1" X 1" NPT TEE, 3000#
81	1	1" X 1/2" REDUCING BUSHING, 3000#
82	1	1/2" X 4" LONG SCH. 40 NPT NIPPLE
83	1	1/2" FNPT BALL VALVE, 3000#
84	20	3" SERIES 712 VICTAULIC CHECK VALVE, IPC, 3163.3, 1BM
85	1	3" X 6" LONG SCH. 40 NPT NIPPLE
86	1	3" X 90° NPT ELL, 2000# WITH 1/8" DIA. WEEP HOLE
87	1	3" X 36" LONG SCH. 40 NPT NIPPLE
88	1	1" MNPT X 3" FNPT RELIEF VALVE, SET @ 120 PSI
89	1	2" MNPT X GROOVED NO. 40 VICTAULIC NIPPLE, IPC
90	84	3" X 45° NO. 11 VICTAULIC ELL, IPC
91	3	3" SERIES 712 VICTAULIC CHECK VALVE, IPC, 3163.3, 1BM
92	18	4" X 4 1/2" LONG GROOVED END SCH. 40 STEEL PIPE NIPPLE, IPC
93	21	3" X 8" LONG GROOVED END SCH. 40 STEEL PIPE, IPC
94	1	3" NO. 60 VICTAULIC CAP, IPC
95	1	3" FNPT WATER DUMP VALVE
96	8	3"-150# ANSI RF GASKET, FLEX.
97	12	5/8"Ø X 3 1/4" LONG B-7 STUDS W/NUTS
98	2	3"-150# ANSI FLANGED X GROOVED VICTAULIC ADAPTER, IPC
99	1	3" GROOVED END OIL DUMP VALVE
100	2	3" X 2" X 3" NO. 23 VICTAULIC REDUCING TEE, IPC
101	3	3" X 45° NO. 11 VICTAULIC ELL, IPC
102	1	3" FNPT GAS BACK PRESSURE VALVE
103	1	3" X 3"-4" LONG NPT X GROOVED STEEL PIPE NIPPLE, IPC
104	2	3"-150# ANSI RF THREADED FLANGE, IPC
105	1	3" HALLIBURTON GAS TURBINE FLOW METER, W/MAGNETIC PICKUP & FLOW ANALYZER
106	4	5/8"Ø X 5 1/2" LONG B-7 STUDS W/NUTS
107	1	3"-150# ANSI RF BLIND FLANGE
108	1	2" NO. 60 VICTAULIC CAP, IPC
109		2" ISR 11 POLY PIPE

REFERENCE DRAWINGS

NUMBER	DESCRIPTION

REVISIONS

DATE	REVISION	DESCRIPTION

CORPORATION

APACHE
COFFEE FEDERAL BATTERY

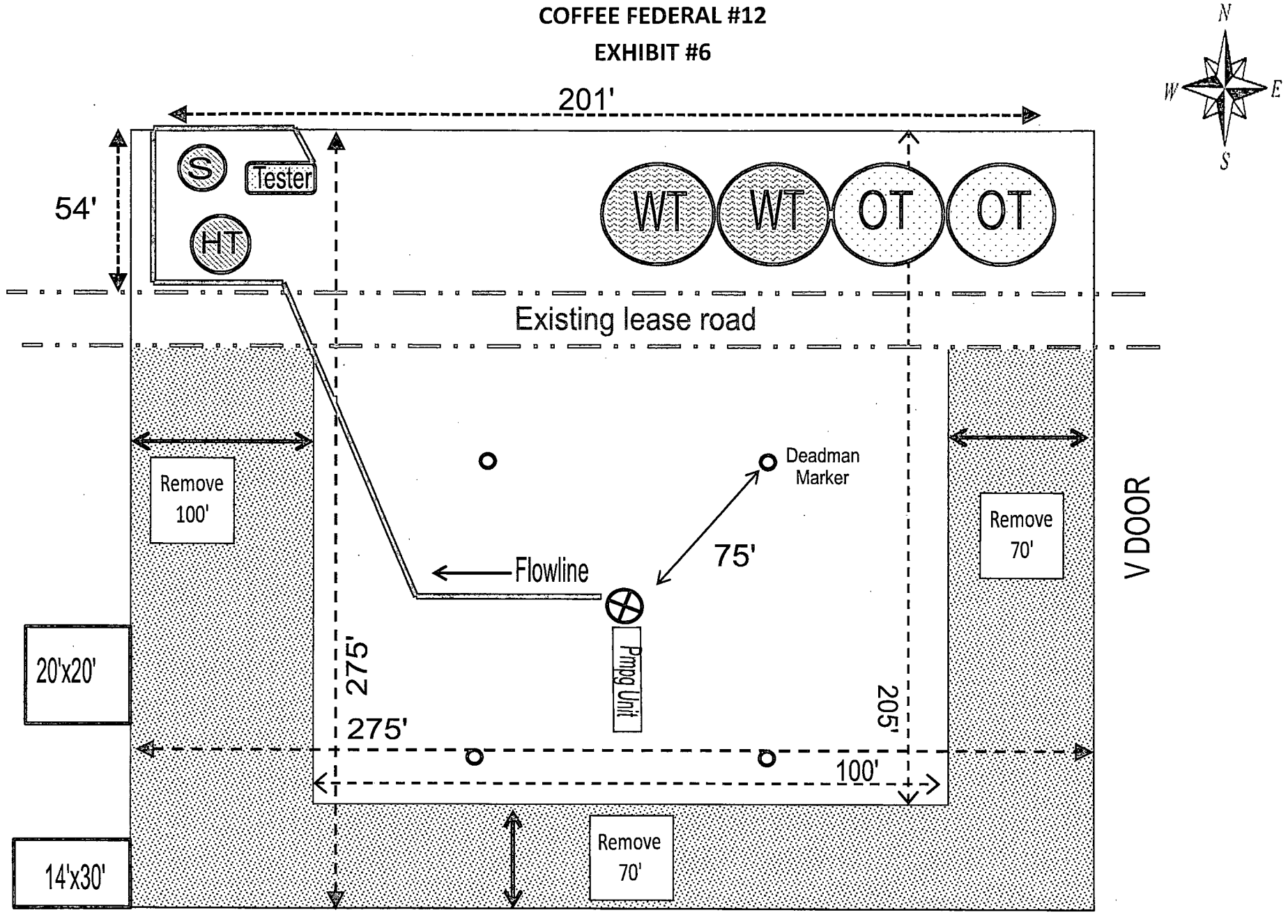
EDDY COUNTY, NEW MEXICO

WEST END
PIPING PLAN LAYOUT

DRAWN BY: p.l.b. | CHECKED BY:

DATE: 2/16/12 | DRAWING NO. 12-047-02

INTERIM RECLAMATION LAYOUT
COFFEE FEDERAL #12
EXHIBIT #6



PECOS DISTRICT
CONDITIONS OF APPROVAL

OPERATOR'S NAME:	**APACHE CORPORATION**
LEASE NO.:	**LC-029548A**
WELL NAME & NO.:	**Coffee Federal 12**
SURFACE HOLE FOOTAGE:	**1650' FNL & 2260' 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.