

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
MIDLAND ARTESIA

RECEIVED

FEB 26 2013

NEPA# - 15-555

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter and**  
**Abandoned well. Use Form 3160-3 (APD) for such proposals**

**SUBMIT IN TRIPLICATE** - Other instructions on page 2.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

APACHE CORPORATION <873>

3. Address

303 VETERANS AIRPARK LN, #3000  
MIDLAND, TX 79705

3b. Phone No. (include area Code)

432-818-1167 / 432-818-1194

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SHL: UL: M 883' FSL & 250' FWL BHL: UL: P 883' FSL & 330' FEL T17S R31E

5. Lease Serial No.

NMLC - 029426B

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

CROW FEDERAL #10H <308711>

9. API Well No.

30-015-40574

10. Field and Pool or Exploratory Area

FREN; GLORIETA-YESO <26770>

11. County or Parish, State

LEA COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☒ Other

Chg to original APD

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directional or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attached the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Bond No: BLM-CO-1463 NATIONWIDE / NMB000736

Apache request to re-route the FL from the 6 well pad of the Crow Federal #10H, #11H, #12H, #13H, #14H, #15H to the Crow

Battery #3. Field review has been conducted & approved by Bobby Ballard & Robert Gomez w/the BLM.

FL size will vary -6", 8", 12" (please see survey plat attached) All lines will be schedule 40 pipe with polyliner on the inside. All

flange will be rated ANSI 300#. Lines will be buried. There will be 2 lines from each well pad to the battery-

1 line for gas & 1 line for liquids. ROW has been submitted to Tessa.

OK Tanner Nygren

Accepted for record

NMOCD

16  
3/19/2013

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)

SORINA L. FLORES

Title

SUPV OF DRILLING SERVICES

Signature

Sorina L. Flores

Date

02/05/2013

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

James G. Basso

Title

SEPS

Date

2-22-13

Conditions of approval, if any, are attached. Approval of this notice 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.

Office

CFO

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)

[illegible]

USA  
Only Portion  
of Pipeline  
being permitted

LINE	BEARING	DISTANCE	LINE	BEARING	DISTANCE
L1	S25°42'01"E	85.5'	L10	S2°23'59"E	53.1'
L2	S89°41'46"E	700.6'	L11	S60°48'46"E	58.1'
L3	N87°27'55"E	699.9'	L12	S86°02'52"W	536.1'
L4	S07°17'05"E	70.1'	L13	S22°38'19"E	57.3'
L5	S00°07'26"E	1126.0'	L14	S55°06'41"E	106.5'
L6	S62°03'21"W	210.3'	L15	S86°40'25"W	176.7'
L7	N89°16'43"E	884.6'	L16	S48°25'43"W	808.5'
L8	S55°39'50"E	80.8'	L17	S22°39'54"W	143.4'
L9	S14°54'13"E	336.8'	L18	N21°40'51"W	2044.6' (DE)
			L19	N10°16'33"E	1123.9' (DE)

LINE	BEARING	DISTANCE
L1	N171.316°E	208.0'
L2	N00°00'36"E	1082.6'
L3	N09°41'21"E	205.6'
L4	N00°36'20"W	1116.4'
L5	S87°31'45"W	217.4'
L6	N13°01'36"W	724.0'
L7	N35°02'37"W	184.2'
L8	N07°29'52"E	285.6'
L9	N4°01'51°E	451.6'
L10	N31°56'56"E	1227.7'
L11	N72°14'17"E	241.6'
L12	N05°52'03"E	1175.2'
L13	N26°27'30"W	126.8'
L14	S69°21'26"W	1203.1'
L15	S41°26'08"W	424.1'
L16	S64°15'00"E	2010.0' (THE

LINE	BEARING	DISTANCE
L1	N87°10'04"E	776.7'
L2	N77°19'21"E	1091.8'
L3	N01°09'24"W	945.8'
L4	N38°09'12"W	160.8'
L5	N38°14'00"E	177.1'
L6	N89°09'00"E	303.6'
L7	N53°41'11"E	11.6'
L8	N30°37'03"W	969.0' (DE)

LINE	BEARING	DISTANCE
L1	S71°43'52"E	268.0'
L2	S48°52'47"W	720.0' (DEF)

**NOTE**  
BEARINGS SHOWN HEREON ARE MERCATOR  
GRID AND CONFORM TO THE NEW MEXICO  
COORDINATE SYSTEM, NEW MEXICO EAST  
ZONE, NORTH AMERICAN DATUM 1983.  
DISTANCES ARE SURFACE VALUES.

I, RONALD J. EDSON, (NEW MEXICO) PROFESSIONAL SURVEYOR No. 3239, DO HEREBY CERTIFY THAT THIS SURVEY, PLAT, AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED, WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO, AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

RONALD J. EIDSON  
DATE: 10/29/2012

**LEGEND**  
 © DENOTES FOUND CORNER AS NOTED

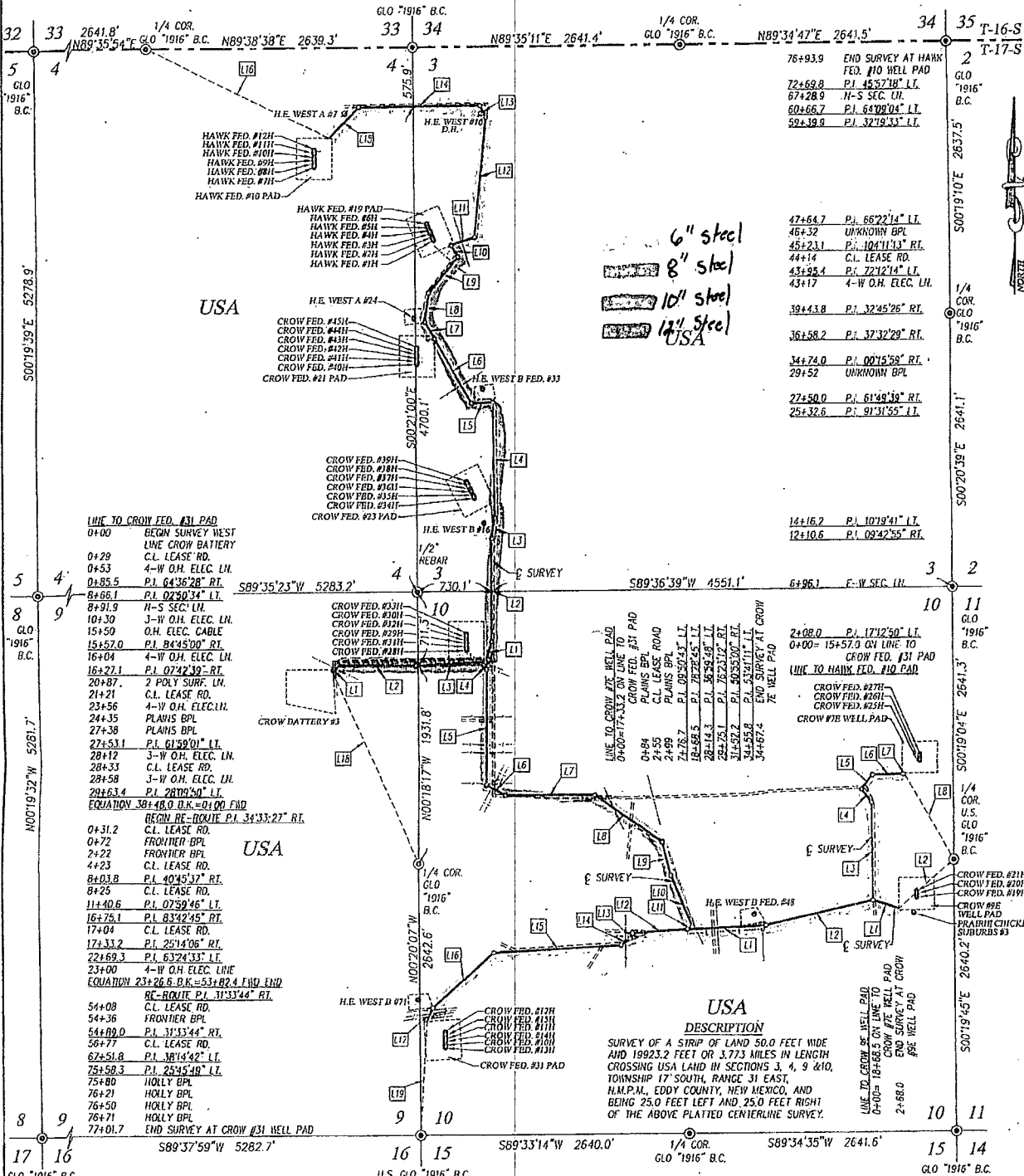
PROVIDING SURVEYING SERVICES  
SINCE 1946  
JOIN WEST SURVEYING COMPANY  
412 N. DAL PASO  
HOODS, N.M. 08240  
(575) 393-3117

APACHE CORPORATION

SURVEY OF PIPELINES CROSSING SECTIONS 3, 4, 9 & 10,  
TOWNSHIP 17 SOUTH, RANGE 31 EAST, N.M.P.M.,  
EDDY COUNTY, NEW MEXICO

Survey Date: 10/11/12	CAD Date: 10/26/12	Drawn By: ACR
W.O. No.: 1211655	Rev:	Rel. W.O.: Sheet 1 of 1

SECTIONS 3, 4, 9 & 10, TOWNSHIP 17 SOUTH, RANGE 31 EAST, N.M.P.M.,  
EDDY COUNTY, NEW MEXICO



6" steel  
8" steel  
10" steel  
14" steel  
USA

**DESCRIPTION**  
SURVEY OF A STRIP OF LAND 50.0 FEET WIDE AND 1992.32 FEET OR 3.773 MILES IN LENGTH CROSSING USA LAND IN SECTIONS 3, 4, 9 & 10, TOWNSHIP 17 SOUTH, RANGE 31 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO, AND BEING 25.0 FEET LEFT AND 25.0 FEET RIGHT OF THE ABOVE PLATTED CENTERLINE SURVEY.

TABLE FOR LINE TO CROW FED. #31 PAD

LINE	BEARING	DISTANCE	LINE	BEARING	DISTANCE
L1	N25°42'01"E	85.5'	L10	S22°53'59"E	534.5'
L2	S89°41'31"E	780.6'	L11	S60°48'46"W	58.1'
L3	N87°27'55"E	690.9'	L12	S86°02'52"W	536.1'
L4	S07°42'05"E	70.1'	L13	S22°38'19"W	57.3'
L5	S00°04'58"E	1126.0'	L14	S55°06'41"W	106.5'
L6	S62°03'27"E	210.3'	L15	S86°40'25"W	1262.7'
L7	N89°46'43"E	884.6'	L16	S48°25'43"W	806.5'
L8	S55°39'50"E	803.8'	L17	S22°19'54"W	143.4'
L9	S14°34'13"E	336.8'	L18	N24°40'51"W	2044.6' (NE)
			L19	N03°16'33"E	1123.9' (NE)

TABLE FOR LINE TO HAWK FED. #10 PAD

LINE	BEARING	DISTANCE
L1	N17°13'16"E	208.0'
L2	N00°00'26"E	1002.6'
L3	N09°43'21"E	205.6'
L4	N00°36'20"W	1116.4'
L5	S87°51'45"W	217.4'
L6	N30°18'36"W	724.0'
L7	N30°02'37"W	184.2'
L8	N07°29'52"E	285.6'
L9	N40°15'18"E	451.6'
L10	N31°56'58"W	127.7'
L11	N72°14'17"E	241.6'
L12	N05°52'03"E	1175.2'
L13	N26°27'30"W	126.8'
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L15	S43°26'08"W	424.1'
L16	S64°15'00"E	2010.0' (NE)

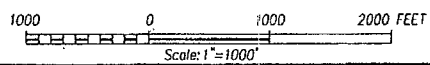
TABLE FOR LINE TO CROW #7E WELL PAD

LINE	BEARING	DISTANCE
L1	N87°10'04"E	776.7'
L2	N77°19'21"E	1091.8'
L3	N01°09'24"W	945.8'
L4	N38°09'12"W	160.8'
L5	N38°14'00"E	172.1'
L6	N89°08'00"E	503.6'
L7	N53°41'11"E	11.6'
L8	N30°37'03"W	969.0' (NE)

TABLE FOR LINE TO CROW #9E WELL PAD

LINE	BEARING	DISTANCE
L1	S71°43'52"E	268.0'
L2	S48°57'47"W	720.0' (NE)

**NOTE**  
BEARINGS SHOWN HEREON ARE MERCATOR GRID AND CONFORM TO THE NEW MEXICO COORDINATE SYSTEM "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983. DISTANCES ARE SURFACE VALUES.



I, RONALD J. EIDSON, NEW MEXICO PROFESSIONAL SURVEYOR No. 3239, DO HEREBY CERTIFY THAT THIS SURVEY PLAN AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, THAT I AM PERSONALLY RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO, AND THAT THIS IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

RONALD J. EIDSON

DATE: 10/29/2012

**LEGEND**  
⊙ DENOTES FOUND CORNER AS NOTED

PROVIDING SURVEYING SERVICES SINCE 1946

**JOHN WEST SURVEYING COMPANY**  
412 N. DAL PASO  
HOBBS, N.M. 88240  
(505) 393-3117

**APACHE CORPORATION**

SURVEY OF PIPELINES CROSSING SECTIONS 3, 4, 9 & 10, TOWNSHIP 17 SOUTH, RANGE 31 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO

Survey Date: 10/11/12	CAD Date: 10/26/12	Drawn By: ACR
W.O. No.: 12111655	Rev.	Rel. W.O.:
		Sheet 1 of 1

SOL 621 MW

BLM LEASE NUMBER: NMLC 29426B  
COMPANY NAME: Apache Corporation  
WELL NAME & NUMBER: Crow Federal #10H to Crow Battery #3

### BURIED PIPELINE STIPULATIONS

A copy of the Sundry Notice and attachments, including conditions of approval, survey plat and/or map, will be on location during construction. BLM personnel may request to you a copy of your permit during construction to ensure compliance with all stipulations.

Holder agrees to comply with the following stipulations to the satisfaction of the Authorized Officer:

**\*\*Special Stipulations\*\*:**

- **Construction Meeting Requirement**

The contractor/project lead must contact Tanner Nygren (575-200-7903 or 575-234-5975) prior to construction or surface disturbance to discuss the project.

- **Pipeline Placement**

When the pipeline follows along an existing road, the pipeline must be placed no farther than 5 feet from the edge of the road, unless an existing obstruction such as a power line or other pipeline is present near the road.

- **Sand Dune Restructuring**

Where the pipeline right-of-way crosses through dunes and must be leveled, the operator/contractor must restructure the dune to a similar shape and state for reclamation. Use roots and other vegetation from the cleared right-of-way to help build up the dune.

- **Dunes Sagebrush Lizard Trenching Stip**

- Pre-construction contact with a BLM wildlife biologist is required before any ground disturbing activities associated with the project occurs.
- Successful completion of the BLM Trench Stipulation Workshop is required for a non-agency person to be approved as a monitor.
- Any trench left open for (8) hours or less is not required to have escape ramps; however, before the trench is backfilled, an agency approved monitor shall walk the entire length of the open trench and remove all trapped vertebrates. The bottom surface of the trench will be disturbed a minimum of 2 inches in order to arouse any buried vertebrates. All vertebrates will be released a minimum of 100 yards from the trench.
- For trenches left open for eight (8) hours or more the following requirements apply:
  - Earthen escape ramps and/or structures (built at no more than a 30 degree slope and spaced no more than 500 feet apart) shall be placed in the trench. Metal structures will not be authorized. Options will be discussed in detail at the required Trench Stipulation Workshop.
  - One approved monitor shall be required to survey up to three miles of trench between the hours of 11 AM-2 PM. A daily report (consolidate if there is more than one monitor) on the vertebrates found and removed from the trench shall be provided to the BLM (email/fax is acceptable) the following morning.
  - Prior to backfilling of the trench all structures used as escape ramps will be removed and the bottom surface of the trench will be disturbed a minimum of 2

inches in order to arouse any buried vertebrates. All vertebrates will be released a minimum of 100 yards from the trench.

- This stipulation shall apply to the entire length of the project in the DSL habitat polygon regardless of land ownership or CCA/CCAA enrollment status.
- A project closeout will be required within three business days of the completion of the project.

- **Lesser Prairie-Chicken**

Oil and gas activities will not be allowed in lesser prairie-chicken habitat during the period from March 1st through June 15th annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, geophysical exploration other than 3-D operations, and pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Normal vehicle use on existing roads will not be restricted. Exhaust noise from pump jack engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 ft. from the source of the noise.

1. The Holder shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this grant.
2. The Holder shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the holder shall comply with the Toxic Substances Control Act of 1976 as amended, 15 USC 2601 et seq. (1982) with regards to any toxic substances that are used, generated by or stored on the right-of-way or on facilities authorized under this right-of-way grant. (See 40 CFR Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by 40 CFR Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation, and Liability Act, section 102b. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release or spill of any toxic substances shall be furnished to the authorized officer concurrent with the filing of the reports to the involved Federal agency or State government.
3. The holder agrees to indemnify the United States against any liability arising from the release of any hazardous substance or hazardous waste (as these terms are defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. 9601, et seq. or the Resource Conservation and Recovery Act, 42 U.S.C. 6901, et seq.) on the Right-of-Way (unless the release or threatened release is wholly unrelated to the Right-of-Way holder's activity on the Right-of-Way), or resulting from the activity of the Right-of-Way holder on the Right-of-Way. This agreement applies without regard to whether a release is caused by the holder, its agent, or unrelated third parties.
4. If, during any phase of the construction, operation, maintenance, or termination of the pipeline, any oil or other pollutant should be discharged from the pipeline system, impacting Federal lands, the control and total removal, disposal, and cleaning up of such oil or other pollutant, wherever found, shall be the responsibility of holder, regardless of fault. Upon failure of holder to control, dispose of, or clean up such discharge on or affecting Federal lands, or to repair all damages resulting therefrom, on the Federal lands, the Authorized Officer may take

such measures as he deems necessary to control and clean up the discharge and restore the area, including where appropriate, the aquatic environment and fish and wildlife habitats, at the full expense of the holder. Such action by the Authorized Officer shall not relieve holder of any responsibility as provided herein.

5. All construction and maintenance activity will be confined to the authorized right-of-way.

6. The pipeline will be buried with a minimum cover of **36** inches between the top of the pipe and ground level.

7. The maximum allowable disturbance for construction in this right-of-way will be **25** feet:

- Blading of vegetation within the right-of-way will be allowed: maximum width of blading operations will not exceed **20** feet. The trench is included in this area. (*Blading is defined as the complete removal of brush and ground vegetation.*)
- Clearing of brush species within the right-of-way will be allowed: maximum width of clearing operations will not exceed **25** feet. The trench and bladed area are included in this area. (*Clearing is defined as the removal of brush while leaving ground vegetation (grasses, weeds, etc.) intact. Clearing is best accomplished by holding the blade 4 to 6 inches above the ground surface.*)
- The remaining area of the right-of-way (if any) shall only be disturbed by compressing the vegetation. (*Compressing can be caused by vehicle tires, placement of equipment, etc.*)

8. The holder shall stockpile an adequate amount of topsoil where blading is allowed. The topsoil to be stripped is approximately 6 inches in depth. The topsoil will be segregated from other spoil piles from trench construction. The topsoil will be evenly distributed over the bladed area for the preparation of seeding.

9. The holder shall minimize disturbance to existing fences and other improvements on public lands. The holder is required to promptly repair improvements to at least their former state. Functional use of these improvements will be maintained at all times. The holder will contact the owner of any improvements prior to disturbing them. When necessary to pass through a fence line, the fence shall be braced on both sides of the passageway prior to cutting of the fence. No permanent gates will be allowed unless approved by the Authorized Officer.

10. Vegetation, soil, and rocks left as a result of construction or maintenance activity will be randomly scattered on this right-of-way and will not be left in rows, piles, or berms, unless otherwise approved by the Authorized Officer. The entire right-of-way shall be recontoured to match the surrounding landscape. The backfilled soil shall be compacted and a 6 inch berm will be left over the ditch line to allow for settling back to grade.

11. In those areas where erosion control structures are required to stabilize soil conditions, the holder will install such structures as are suitable for the specific soil conditions being encountered and which are in accordance with sound resource management practices.

12. The holder will reseed all disturbed areas. Seeding will be done according to the attached seeding requirements, using the following seed mix.

- |  |  |
|--|--|
| <input type="checkbox"/> seed mixture 1            | <input type="checkbox"/> seed mixture 3          |
| <input checked="" type="checkbox"/> seed mixture 2 | <input type="checkbox"/> seed mixture 4          |
| <input type="checkbox"/> seed mixture 2/LPC        | <input type="checkbox"/> Aplomado Falcon Mixture |

13. All above-ground structures not subject to safety requirements shall be painted by the holder to blend with the natural color of the landscape. The paint used shall be color which simulates "Standard Environmental Colors" – **Shale Green**, Munsell Soil Color No. 5Y 4/2.

14. The pipeline will be identified by signs at the point of origin and completion of the right-of-way and at all road crossings. At a minimum, signs will state the holder's name, BLM serial number, and the product being transported. All signs and information thereon will be posted in a permanent, conspicuous manner, and will be maintained in a legible condition for the life of the pipeline.

15. The holder shall not use the pipeline route as a road for purposes other than routine maintenance as determined necessary by the Authorized Officer in consultation with the holder before maintenance begins. The holder will take whatever steps are necessary to ensure that the pipeline route is not used as a roadway. As determined necessary during the life of the pipeline, the Authorized Officer may ask the holder to construct temporary deterrence structures.

16. Any cultural and/or paleontological resources (historic or prehistoric site or object) discovered by the holder, or any person working on his behalf, on public or Federal land shall be immediately reported to the Authorized Officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery will be made by the Authorized Officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder will be responsible for the cost of evaluation and any decision as to proper mitigation measures will be made by the Authorized Officer after consulting with the holder.

17. The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes associated roads, pipeline corridor and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

BLM LEASE NUMBER: NMLC 29426B  
COMPANY NAME: Apache Corporation  
WELL NAME & NUMBER: Crow Federal #10H to Crow Battery #3

Seed Mixture 2, for Sandy Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)\* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law (s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed\* per acre:

<u>Species</u>	<u>lb/acre</u>
Sand dropseed ( <i>Sporobolus cryptandrus</i> )	1.0
Sand love grass ( <i>Eragrostis trichodes</i> )	1.0
Plains bristlegrass ( <i>Setaria macrostachya</i> )	2.0

\*Pounds of pure live seed:

Pounds of seed x percent purity x percent germination = pounds pure live seed