

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Carlsbad Field Office

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.**5. Lease Serial No.  
NMLC060325

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
THUNDERBIRD A-5H9. API Well No.  
30-015-4443610. Field and Pool or Exploratory Area  
YESO/LOCO HILLS; GLORIETA11. County or Parish, State  
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator  
APACHE CORPORATION  
Contact: DEAN JARRETT  
E-Mail: dean.jarrett@apachecorp.com3a. Address  
303 VETERANS AIRPARK LANE, SUITE 3000  
MIDLAND, TX 79705-45613b. Phone No. (include area code)  
Ph: 432-818-19384. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 33 T16S R30E Mer NMP SWNE 2315FNL 1955FEL**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input checked="" type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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 directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach 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.

Apache request approval for the installation of a buried twelve (12) inch poly-SDR-9 gas sales line rated at 125psi, along the surveyed route attached.

Apache will submit a Programmatic payment of one thousand five hundred and fifty one dollars and 96/100ths (\$ 1,551.96), which is based on the calculated value of surveyed route of 5,542.77 feet x \$0.28.

RECEIVED

JUL 13 2018

GC 7-13-18  
Accepted for record - NMOCD

DISTRICT II-ARTESIA O.C.D.

Approved JAL 07/10/18 DOI - BLM-NM-P020-2018-0602-EA stipulations attached

14. I hereby certify that the foregoing is true and correct. Electronic Submission #424705 verified by the BLM Well Information System For APACHE CORPORATION, sent to the Carlsbad Committed to AFMSS for processing by DEBORAH HAM on 06/20/2018 ()	
Name (Printed/Typed) DEAN JARRETT	Title SR. SURFACE LANDMAN & CPL
Signature (Electronic Submission)	Date 06/20/2018

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

Approved By <i>Ced R. Lyle</i>	Title <i>AFM</i>	Date <i>07/11/2018</i>
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 <i>CFO</i>

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.

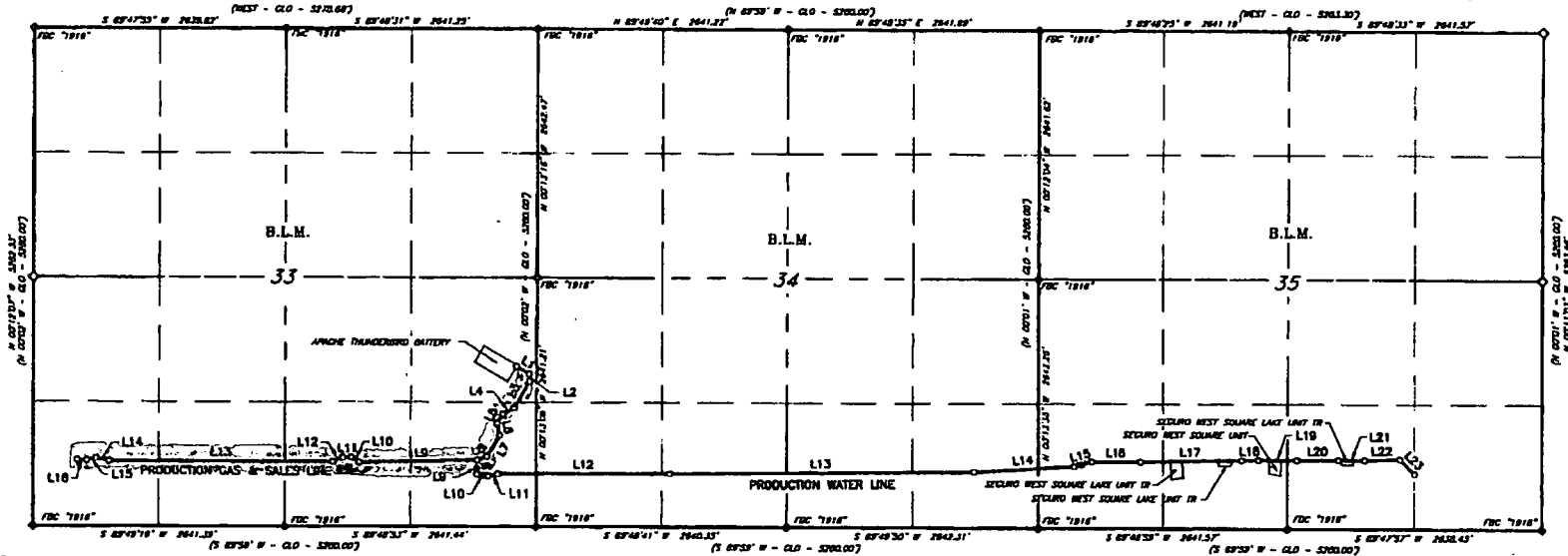
(Instructions on page 2)

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

# RRC

SURVEYING, LLC

3011 S. COUNTY ROAD 1200  
MIDLAND, TX 79708 (432) 581-8780



### LEGEND

- ( ) CALC. COR.
- ◇ CALC. COR.
- ◆ FOUND MONUMENT AS NOTED
- PROPOSED PIPELINE

I, Jeffrey L. Fansler, a N. M. Professional Surveyor, hereby certify that I prepared this plat from an actual survey made on the ground under my direct supervision, said survey and plat meet the Min. Stds. for Land Surveying in the State of N. M. and are true and correct to the best of my knowledge and belief.

*Jeffrey L. Fansler*  
Jeffrey L. Fansler NM PS 10034



PRODUCTION GAS & SALES LINE		
LINE	BEARING	DISTANCE
L1	S 59°10'58" E	151.25
L2	S 04°45'23" E	76.12
L3	S 29°05'11" W	332.28
L4	S 60°59'23" W	134.67
L5	S 29°06'43" W	115.64
L6	S 12°26'17" E	131.14
L7	S 30°06'08" W	261.17
L8	S 69°46'27" W	113.19
L9	S 88°39'12" W	1240.13
L10	S 56°46'08" W	96.51
L11	S 88°03'58" W	90.34
L12	S 66°15'43" W	113.41
L13	S 89°59'37" W	2346.22
L14	N 77°02'45" W	139.69
L15	S 75°08'31" W	99.91
L16	N 87°39'27" W	101.03

PRODUCTION WATER LINE		
LINE	BEARING	DISTANCE
L1	S 59°10'58" E	151.25
L2	S 04°45'23" E	76.12
L3	S 29°05'11" W	332.28
L4	S 60°59'23" W	134.67
L5	S 29°06'43" W	115.64
L6	S 12°26'17" E	131.14
L7	S 30°06'08" W	261.17
L8	S 69°46'27" W	113.19
L9	S 00°10'23" W	150.75
L10	S 81°43'39" E	123.18
L11	N 76°36'55" E	100.75
L12	N 89°41'51" E	1804.88
L13	N 89°20'11" E	3204.21
L14	N 86°19'11" E	1057.31
L15	N 74°31'45" E	190.62
L16	N 89°55'21" E	519.12
L17	N 88°48'47" E	1075.92
L18	N 88°32'20" E	174.74
L19	N 89°52'59" E	407.69

PRODUCTION WATER LINE		
LINE	BEARING	DISTANCE
L20	N 89°20'33" E	439.90
L21	S 89°44'12" E	269.18
L22	N 88°00'58" E	367.31
L23	S 44°01'30" E	213.76

SCALE: 1" = 1500'  
0 750' 1500'

BEARINGS ARE GRID NAD 83  
DISTANCES ARE HORIZ. GROUND.  
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### APACHE CORPORATION

PRODUCTION WATER LINE  
PRODUCTION GAS & SALES LINE  
THUNDERBIRD DEVELOPMENT UNIT  
SECTIONS 33, 34 & 35, T16S, R30E  
N. M. P. M., EDDY COUNTY, NEW MEXICO

DATE: 06-11-2018	SHEET: 1 OF 9	REVISION: (X) XXX
SCALE: 1000'	SURVEYED BY: BC/AJ	JOB NO.: LS1805697
DRAWN BY: JBT	APPROVED BY: JLF	OWG. NO.: 1805697_1

**APACHE CORPORATION  
PRODUCTION GAS & SALES LINE  
THUNDERBIRD DEVELOPMENT UNIT  
SECTION 33, T16S, R30E  
N. M. P. M., EDDY COUNTY, NEW MEXICO**

**DESCRIPTION**

A strip of land 30 feet wide, being 5,542.70 feet or 335.921 rods in length, lying in Section 33, Township 16 South, Range 30 East, N. M. P. M., Eddy County, New Mexico, being 15 feet left and 15 feet right of the following described survey of a centerline across B. L. M. land:

BEGINNING at Engr. Sta. 0+00, a point in the Southeast quarter of Section 33, which bears, S 12°27'34" W, 963.52 feet from a brass cap, stamped "1916", found for the East quarter corner of Section 33;

Thence S 59°10'58" E, 151.25 feet, to Engr. Sta. 1+51.25, a P.I. of 54°25'35" right;

Thence S 04°45'23" E, 76.12 feet, to Engr. Sta. 2+27.37, a P.I. of 33°50'35" right;

Thence S 29°05'11" W, 332.28 feet, to Engr. Sta. 5+59.65, a P.I. of 31°54'12" right;

Thence S 60°59'23" W, 134.67 feet, to Engr. Sta. 6+94.32, a P.I. of 31°52'40" left;

Thence S 29°06'43" W, 115.64 feet, to Engr. Sta. 8+09.96, a P.I. of 41°33'00" left;

Thence S 12°26'17" E, 131.14 feet, to Engr. Sta. 9+41.10, a P.I. of 42°32'25" right;

Thence S 30°06'08" W, 261.17 feet, to Engr. Sta. 12+02.27, a P.I. of 39°40'19" right;

Thence S 69°46'27" W, 113.19 feet, to Engr. Sta. 13+15.46, a P.I. of 18°52'45" right;

Thence S 88°39'12" W, 1240.13 feet, to Engr. Sta. 25+55.59, a P.I. of 34°34'40" right;

Thence N 56°46'08" W, 96.51 feet, to Engr. Sta. 26+52.10, a P.I. of 35°09'54" left;

Thence S 88°03'58" W, 90.34 feet, to Engr. Sta. 27+42.44, a P.I. of 21°48'15" left;

Thence S 66°15'43" W, 113.41 feet, to Engr. Sta. 28+55.85, a P.I. of 23°43'54" right;

Thence S 89°59'37" W, 2,346.22 feet, to Engr. Sta. 52+02.07, a P.I. of 12°57'37" right;

Thence N 77°02'46" W, 139.69 feet, to Engr. Sta. 53+41.67, a P.I. of 27°48'43" left;

Thence S 75°08'31" W, 99.91 feet, to Engr. Sta. 54+42.70, a P.I. of 17°12'02" right;

Thence, N 87°39'27" W, 101.03 feet, to Engr. Sta. 55+42.70, a point in the Southwest quarter of Section 33, which bears,

N 33°28'59" E, 837.51 feet from a brass cap, stamped "1916", found for the Southwest corner of Section 33.

Said strip of land contains 3.817 acres, more or less, and is allocated by forties as follows:

SE 1/4 SE 1/4	92.448 Rods	1.051 Acres
SW 1/4 SE 1/4	81.595 Rods	0.927 Acres
SE 1/4 SW 1/4	80.034 Rods	0.909 Acres
SW 1/4 SW 1/4	52.313 Rods	0.594 Acres
NE 1/4 SE 1/4	29.527 Rods	0.336 Acres

SCALE: 1" = 1000'

0 500' 1000'

BEARINGS ARE GRID NAD 83  
NM EAST  
DISTANCES ARE HORIZ. GROUND.

**LEGEND**

( ) RECORD DATA - GLO

◆ FOUND MONUMENT AS NOTED

— PROPOSED ACCESS ROAD  
Firm No.: TX 10193838 NM 4655451

I, Jeffrey L. Fansler, a N. M. Professional Surveyor, hereby certify that I prepared this plat from an actual survey made on the ground under my direct supervision, said survey and plat meet the Min. Stds. for Land Surveying in the State of N. M. and are true and correct to the best of my knowledge and belief.

*Jeffrey L. Fansler*  
Jeffrey L. Fansler NM PS 10034



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NO.	REVISION	DATE
JOB NO.:	LS1805697	
DWG. NO.:	1805697_2	

RRC

308 W. BROADWAY ST., HOBBS, NM 88240 (575) 964-8200

SCALE: 1" = 1000'
DATE: 05-25-2018
SURVEYED BY: BC/AJ
DRAWN BY: JBT
APPROVED BY: JLF
SHEET: 3 OF 9

## Confirmation of Payment Page 2

### Provisions of the PA:

- A. No new Class III inventories are required of industry within the project area for those projects where industry elects to contribute to the mitigation fund.
- B. The amount of funds contributed was derived from the rate schedule established within Appendix B of the PA. The amount of the funding contribution acknowledged on this form reflects those rates.
- C. The BLM will utilize the funding to carry out a program of mitigation at high-priority sites whose study is needed to answer key questions identified within the Regional Research Design.
- D. Donating to the fund is voluntary. Industry acknowledges that it is aware it has the right to pay for a Class III survey rather than contributing to the mitigation fund. Industry must avoid or fund data recovery at those sites already recorded that are eligible for nomination to the National Register or whose eligibility is unknown. Any such payments are independent of the mitigation funds established by this PA.
- E. Previously recorded archaeological sites determined eligible for nomination to the National Register, or whose eligibility remains undetermined, must be avoided or mitigated.
- F. If any skeletal remains that might be human or funerary objects are discovered by any activities, the land-use applicant will cease activities in the area of discovery, protect the remains, and notify the BLM within 24 hours. The BLM will determine the appropriate treatment of the remains in consultation with culturally-affiliated Indian Tribe(s) and lineal descendants. Applicants will be required to pay for treatment of the cultural items, independent and outside of the mitigation fund.

### Apache Corporation

\_\_\_\_\_  
Amy D. Lindsey, Attorney-in-Fact

\_\_\_\_\_  
Date

\_\_\_\_\_  
BLM-Authorized Officer

\_\_\_\_\_  
Date

**BLM LEASE NUMBER:** NMLC060325  
**COMPANY NAME:** Apache Corporation  
**ASSOCIATED WELL NAME:** Thunderbird A 5H

### BURIED PIPELINE STIPULATIONS

A copy of the application (Grant, APD, or 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:

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 30 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 30 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 type="checkbox"/> seed mixture 2                | <input type="checkbox"/> seed mixture 4          |
| <input checked="" 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.

18. Escape Ramps - The operator will construct and maintain pipeline/utility trenches [that are not otherwise fenced, screened, or netted] to prevent livestock, wildlife, and humans from becoming entrapped. At a minimum, the operator will construct and maintain escape ramps, ladders, or other methods of avian and terrestrial wildlife escape in the trenches according to the following criteria:

- a. Any trench left open for eight (8) hours or less is not required to have escape ramps; however, before the trench is backfilled, the contractor/operator shall inspect the trench for wildlife, remove all trapped wildlife, and release them at least 100 yards from the trench.
- b. For trenches left open for eight (8) hours or more, earthen escape ramps (built at no more than a 30 degree slope and spaced no more than 500 feet apart) shall be placed in the trench.

19. Special Stipulations:

**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.

**Dunes Sagebrush Lizard Trench Stipulation:**

- Pre-construction contact with a BLM wildlife biologist is required within 5 days 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.

**Cattleguards**

An appropriately sized cattleguard(s) sufficient to carry out the project shall be installed and maintained at fence crossing(s). Any existing cattleguard(s) on the access road shall be repaired or replaced if they are damaged or have deteriorated beyond practical use. The operator shall be responsible for the condition of the existing cattleguard(s) that are in place and are utilized during lease operations. A gate shall be constructed on one side of the cattleguard and fastened securely to H-braces.

**Fence Requirement**

Where entry granted across a fence line, the fence must be braced and tied off on both sides of the passageway prior to cutting. Once the work is completed, the fence will be restored to its prior condition, or better. The operator shall notify the private surface landowner or the grazing allotment holder prior to crossing any fence(s).



### Seed Mixture for LPC Sand/Shinnery Sites

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 shall be done in accordance with State law(s) and within nine (9) months prior to purchase. Commercial seed shall be either certified or registered seed. The seed container shall 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). 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. Seeding shall be repeated until a satisfactory stand is established as determined by the Authorized Officer. Evaluation of growth may 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>
Plains Bristlegrass	5lbs/A
Sand Bluestem	5lbs/A
Little Bluestem	3lbs/A
Big Bluestem	6lbs/A
Plains Coreopsis	2lbs/A
Sand Dropseed	1lbs/A

\*Pounds of pure live seed:

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