Form 3160-5 (June 2015)

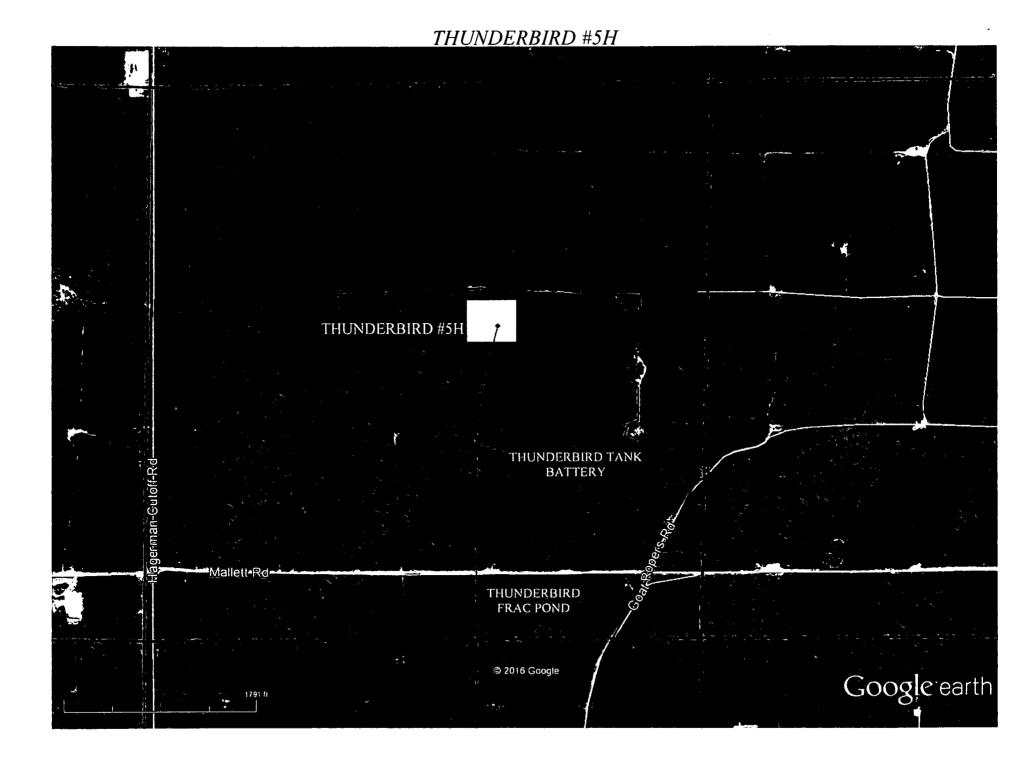
FORM APPROVED OMB NO. 1004-0137 Expires: January 31, 2018

UNITED STATES

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
SUNDRY NOTICES AND REPORTS AND WELLS OF THE PROPERTY OF TH

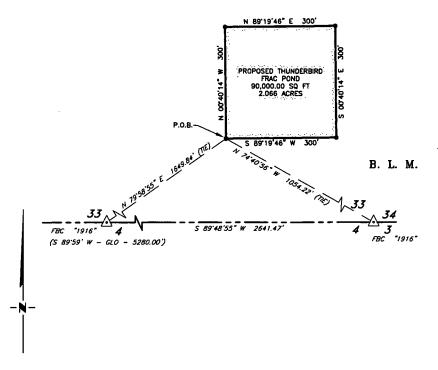
5. Lease Serial No. NMLC060325

abandoned well. Use form 3160-3 (AED) for sugh phobasis.					6. If Indian, Allottee or Tribe Name	
SUBMIT IN TRIPLICATE - Other instructions on page 2					7. If Unit or CA/Agreement, Name and/or No.	
1. Type of Well					8. Well Name and No.	
☑ Oil Well ☐ Gas Well ☐ Other					THUNDERBIRD A 5H	
2. Name of Operator APACHE CORPORATION	RES .com		9. API Well No. 30-015-44436-00-X1			
3a. Address 303 VETERANS AIRPARK LANE SUITE 3000 MIDLAND, TX 79705 3b. Phone No. Ph: 432.818			(include area code) 3.1167		10. Field and Pool or Exploratory Area LOCO HILLS-GLORIETA-YESO	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)					11. County or Parish, State	
Sec 33 T16S R30E SWNE 2315FNL 1955FEL 32.878929 N Lat, 103.974731 W Lon					EDDY COUNTY	′, NM
12. CHECK THE AF	PPROPRIATE BOX(ES)	TO INDICA	ΓE NATURE O	F NOTICE, I	REPORT, OR OTH	IER DATA
TYPE OF SUBMISSION		TYPE OF ACTION				
Notice of Intent	□ Acidize	☐ Deep	en	☐ Production	on (Start/Resume)	■ Water Shut-Off
_	■ Alter Casing	☐ Hydraulic Fracturing		☐ Reclamation		■ Well Integrity
☐ Subsequent Report	□ Casing Repair	□ New	Construction	☐ Recompl	ete	⊠ Other
☐ Final Abandonment Notice	□ Change Plans	Plug	and Abandon	☐ Tempora	rily Abandon	Change to Original A PD
	☐ Convert to Injection	Plug	Back	■ Water Di	sposal	
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. BLM-CO-1463 NMB-000736 (NATIONWIDE) Accepted for record - NMOCD Accepted for record - NMOCD Accepted for record - NMOCD RECEIVED Apache respectfully request to build a 300'x300', approx. 2.066 acre, frac pond situated in the SE 1/4, SE 1/4 of sec 33, T16S, R30E in Eddy Co, NM. Lines from the Thunderbird A 5H and serval proposed well site locations will follow existing roads to proposed frac pond. Frac pond will be lined and will only contain freshwater. If frac pond becomes polluted with salts or other contaminants, use of frac pond will cease and all liquids will be removed from frac pond and disposed of properly. All construction and maintenance activity will be confined to authorized area. Reclamation efforts will commence after frac pond is no longer needed for the purpose of completing wells. Please see attached plats. DISTRICT II-ARTESIA O.C.D. DISTRICT II-ARTESIA O.C.D.						
14. I hereby certify that the foregoing is	true and correct.					·
_	Electronic Submission #4 For APACHE	CORPORAT	ON, sent to the C	Carlsbad		
Committed to AFMSS for processing by PRISCILLA PEREZ on 03/29/2018					•	
Name (Printed/Typed) SORINA F	LUKES		Title SUBIVIT	TING CONT	ACI	<u> </u>
Signature (Electronic S	Submission)		Date 03/26/20	018		
	THIS SPACE FO	R FEDERA	L OR STATE	OFFICE US	E	
Approved By Conditions of approval, if any, are attache sertify that the applicant holds legal or equivinch would entitle the applicant to conductive the service of the se	itable title those rights in the operations thereon. U.S.C. Section 1212, make it a	subject lease crime for any pe		M Willfully to mal	ke to any department or	Date United
States any false, fictitious or fraudulent	statements or representations as	to any matter w	thin its jurisdiction.		_	



APACHE CORPORATION SURVEY OF THE PROPOSED THUNDERBIRD FRAC POND SITUATED WITHIN THE SE 1/4, SE 1/4,

SECTION 33, TOWNSHIP 16 SOUTH, RANGE 30 EAST, N. M. P. M., EDDY CO., NEW MEXICO



LEGEND

Record Data (-GLO-)

Δ

Found Corner As Noted Set 1/2" rebar w/ orange cap "HOWETT 19680"

P.O.B.

Point Of Beginning

SCALE: 1" = 200" 200

BEARINGS ARE NAD 27 GRID NM EAST & DISTANCES ARE HORIZ. GROUND.



I, Robert M. Howett, New Mexico Professional cap stamped "HOWETT 19680";
Surveyor No. 19680, do hereby certify that this survey plat and the actual survey on the Thence N 89°19′46" E, 300 feet, to a set 1/2" rebar with an orange ground upon which it is based was performed cap stamped "HOWETT 19680"; under my direct supervision and this survey meets the minimum standards for surveying Thence S 00'40'14" E, 300 feet, to a set 1/2" rebar with an orange in the State of New Mexico and is true and cap stamped "HOWETT PS 19680"; correct to the best of my knowledge and belief.

Robert M. Howett Date: 6/2/2016 Firm No.: TX 10193838 NM 4655451

DESCRIPTION

A tract of land situated within the Southeast quarter, of the Southeast quarter of Section 33, Township 16 South, Range 30 East, N. M. P. M., Eddy County, New Mexico, across B. L. M. land, and being more particularly described by metes and bounds as follows:

BEGINNING at a point, which bears N 79'58'55" E, 1,649.84 feet, from a brass cap, stamped "1916", found for the South quarter corner of Section 33 and being N 74'40'56" W, 1,054.22 feet from a brass cap, stamped "1916", found for the Southeast corner of Section 33;

Thence N 00'40'14" W, 300 feet, to a set 1/2" rebar with an orange cap stamped "HOWETT 19680";

Thence S 89'19'46" W, 300 feet, to the Point Of Beginning.

Said tract of land contains 90,000.00 square feet or 2.066 acres, more

308 W. BROADWAY ST., HOBBS, NM 88240 (575) 964-8200 Copyright 2014 - All Rights Reserved SCALE: 1"=200' DATE: 6-1-2016 SURVEYED BY: BK DRAWN BY: CMJ APPROVED BY: RMH SHEET: 1 OF 1

REVISION DATE JOB NO.: LS1606213

DWG. NO.: 1606213FP

BLM LEASE NUMBER: NMLC060325 **COMPANY NAME**: Apache Corporation

ASSOCIATED WELL NAME: Thunderbird A 5H

FRAC POND CONDITIONS OF APPROVAL

A copy of the application (APD, Grant, or Sundry Notice) and attachments, including stipulations, survey plat and diagram, will be on location during construction. BLM personnel may request to see a copy of your permit during construction to ensure compliance with all conditions of approval.

Holder agrees to comply with the following conditions of approval 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 permit.
- 2. The Holder shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated.
- 3. Required Standard Conditions of Approval:

a. Notification

Contact the Supervisory Environmental Protection Specialist, Jim Amos, at 575-234-5909 at least 24 hours prior to starting construction.

b. Freshwater Only

The frac pond will only be authorized to contain freshwater and testing of water quality is required. Additives are not allowed without consent of the authorized officer in writing.

c. Contamination

If at any time the water in the frac pond becomes polluted with salts or other contaminants, use of the frac pond will cease and desist, and all liquids will be removed from the frac pond and disposed of properly. The operator will preclude releases of oil into open pits. The operator must remove any accumulation of oil, condensate, or contaminant in a pit within 48 hours of discovery.

d. Authorized Disturbance

Confine all construction and maintenance activity to the approved authorized area applied for in the application.

e. Facilities

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations. Grey-water, sewage, and trash shall be removed from the site and disposed of properly at a state approved facility.

f. Escape Ramps

The operator will construct and maintain frac ponds 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 frac ponds. Escape ramps must be installed at every corner of the frac pond and in the center of each side if that side exceeds 100 feet in length. Escape ramps must be in contact with the side of the frac pond, bottom of the frac pond, and the top of the frac pond berm. Escape ramps cannot be made of metal and cannot be steeper than a 3:1 slope

(Horizontal Distance: Vertical Distance) or 30% slope. (Examples of escape ramps: 12" wide wooden planks wrapped in matting, felt lining, etc.)

g. Frac Pond Pipelines

Temporary pipelines flowing from the frac pond to the target well will be laid along existing roadways unless an exception has been granted by the authorized officer in writing.

h. Mineral Material from Excavation

Mineral materials extracted during construction of the frac pond will be stored onlocation and/or used for constructing the frac pond.

i. Frac Pond Liner

The frac pond will be lined with at least a 20 mil. plastic liner.

j. Topsoil Stockpile

The operator shall strip at least the top 6 inches of soil (root zone) from the entire frac pond area and stockpile the topsoil approximately 25 feet outside the bermed perimeter of the pond in a low profile manner, reasonably protected from wind and water erosion. Topsoil shall not be used for constructing the frac pond. The topsoil will be used for final reclamation purposes only.

k. Frac Pond Fence

The operator will install and maintain exclosure fencing on all sides of the frac pond to prevent access to public, livestock, and large forms of wildlife. The fence shall be installed at the base of the berm and never on top of the berm. Construction of the fence shall consist of steel and/or wooden posts set firmly into natural ground. Hog panel or chain-link fencing must be used as the fence and tied securely to the fence posts. Barbedwire fencing or electric fences shall not be used. The fence height shall not be shorter than six (6) feet. The erected fence shall be maintained in adequate condition until the frac pond is reclaimed.

l. Erosion Prevention

Install earthen erosion-control structures as are suitable for the specific terrain and soil conditions.

m. Reclamation Start

- I. Reclamation efforts will commence immediately after the frac pond is no longer needed for the purpose of completing wells.
- II. Within 3 months of completion of frac operations on associated wells, all earthwork and final reclamation must be completed. This includes reclaiming and/or removal of:
 - i. Any roads approved for use with the pond
 - ii. Surface water lines
 - iii. Tanks, pumps, fencing etc.

Requirements for Operations and Final Reclamation:

4. If, during any phase of the construction, operation, maintenance, or termination of the frac pond, any pollutant should be released from the contaminated frac pond, the control and total removal, disposal, and cleaning up of such 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, or to repair all damages resulting there-from, 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. Any cultural and/or paleontological resources (historic or prehistoric site or object) discovered by the holder, or any person working on his behalf 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.
- 6. 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 the roads, pads, associated 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.
- 7. After all disturbed areas have been satisfactorily contoured and prepared for seeding the location needs to be revegetated with the seed mixture provided. Seeding may need to be repeated until revegetation is successful. Operators shall contact Jim Amos, Supervisor, Environmental Protection (575)234-5909, **prior** to beginning surface reclamation operations.
- 8. Seeding is required: Use the following seed mix.

() seed mixture 1	() seed mixture 3
() seed mixture 2	() seed mixture 4
(X) LPC mixture	() Aplomado Falcon mix

9. 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 <u>not</u> 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.
 - o 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 <u>no</u> 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:

Species	<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