30025-40629

Apache

HOBBS OCD

JUN 18 2012

RECEIVED

SURFACE USE PLAN OF OPERATIONS

ELLIOTT FEDERAL 7 #4 Lease #: NMNM-121960
1980' FSL & 660' FWL UL: L SEC: 7 T21S R38E
Lea County, NM

EXISTING ROADS

A. Proposed Well Site Location:

a. The well site & elevation plat for the proposed well are reflected on the well site layout (form C-102). Well staked by Basin Surveys.

B. Existing Roads

a. From Mile Marker #36 of Hwy 18, go South 0.6 miles to lease road, on lease road go East 0.6 miles to lease road, on lease road go Southerly 0.3 miles to well pad and proposed lease road.

C. Route Location

a. Approx 1331.9' of new road will be constructed from the Elliott Federal 7 #3 to the proposed well site. The existing lease road will be used to the extent possible. If a lease/access road needs to be constructed, all lease roads will be graded in compliance with BLM standards. See E (a).

D. Existing Road Maintenance or Improvement Plan

a. *EXHIBIT 1* is a portion of a topo map showing the well & roads in the vicinity of the proposed location. The proposed well site & access route to the location are indicated in BLUE on *EXHIBIT 1*. Right of way using this proposed route will be requested if necessary.

b. Routing grading & maintenance of existing roads will be conducted as necessary to maintain their condition as long as any operations continue on this lease. Roads will be maintained according to specifications in "EXISTING ROADS *Section E (a)"* of this Surface Use Plan.

E. Width, Max Grade, Turnout Ditches, Culverts, Cattle Guards, & Surface Equipment

a. All lease roads will be graded in compliance with BLM standards. All new & reconstructed roads will have a width & "crown design" (i.e. The max width of the driving surface will be 14'. The road will be crowned & ditched with a 2% slope from the tip of the crown to the edge of the driving surface. The ditches will be 1' deep with 3:1 slopes. The driving surface will be made of 6" rolled & compacted caliche.) If required, culverts and cattle guards will be set per BLM Specs.

LOCATION OF EXISTING WELLS

A. *"EXHIBIT 2 "* indicates existing wells within a one mile radius of the proposed location.

LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

A. In the event well is found productive, the Elliot Federal 7 Battery will be utilized & necessary production equipment will be installed at the well site. *"SEE EXHIBIT 1"*

B. New Facilities in the Event of Production

In the event well is productive, APACHE will construct a new 3" NUPI rated 3000psi 140 deg surface flow line, approx 1550' in length, to the existing Elliott Federal 7 Battery location following existing lease roads. APACHE plans to install approx. 1910' of new electric power line to an existing power line. *"SEE EXHIBIT 1"*

C. Rehabilitation of Disturbed Areas Unnecessary for Production

Following the construction, those access areas required for continued production will be graded to provide drainage and minimize erosion. The areas unnecessary for use will be graded to blend in with the surrounding topography *"SEE PLANS FOR RESTORATION OF THE SURFACE"*

JUN 20 2012

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C. Route Location

a. No new road is expected to be constructed. The existing lease road will be used to the extent possible. If a lease/access road needs to be constructed, all lease roads will be graded in compliance with BLM standards. See E (a).

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LOCATION AND TYPE OF WATER SUPPLY

A. All water (fresh or otherwise) needed for the drilling and completion of this well will be purchased from a commercial source and trucked to the location via existing and/or proposed access roads. No water source wells will be drilled and no surface water will be utilized.

CONSTRUCTION MATERIALS

A. Materials

On-site caliche will be used for any required access road and/or well site pad. If necessary, caliche will be hauled from a BLM approved pit. No surface materials will be disturbed except those necessary for actual grading and construction of the drill site and access road.

METHODS FOR HANDLING WASTE DISPOSAL

A. Cuttings

Cuttings will be contained in roll off bins and disposed of hauled to a state approved disposal facility.

B. Drilling Fluids

Drilling fluids will be contained in steel pits, frac tanks and disposed at licensed disposal sites and/or will be cleaned and reused.

C. Produced Fluids

Water production will be contained in steel pits. Fluids may be cleaned and reused and/or disposed at a state approved facility. Hydrocarbon fluid or other fluids that may be produced during testing will be retained in test tanks until sold and hauled from site.

D. Salts

Salts remaining after completion will be picked up by supplier, including broken sacks.

E. Sewage

Current laws and regulations pertaining to the disposal of human waste will be complied with. A Port-a-John will be provided for the crews. This will be properly maintained during the drilling operations and removed upon completion of the well. Port-a-John will be cleaned out periodically.

F. Garbage

Receptacles for garbage disposal during the drilling of this well will be provided and equipped to prevent scattering by wind, animals, etc. This waste will be hauled to an approved landfill site.

G. Cleanup of Well Site

Upon release of the drilling rig, the surface of the drilling pad will be graded to accommodate a completion rig if electric log analysis indicates potential productive zones. Reasonable cleanup will be performed prior to the final restoration of the site.

ANCILLARY FACILITIES

A. Upon completion, and/or testing of this well, rental tank facilities will be utilized until permanent storage is established. No camps, airstrips or staging are anticipated to be constructed.

WELLSITE LAYOUT

A. Rig Orientation and Layout

"EXHIBIT 5 " shows the dimensions of the well pad, closed loop system and the location of the major rig components. Only minor leveling of the well site will be required. No significant cuts or fills will be necessary.

B. Closed Loop System

A Closed Loop System will be used. Cuttings will be stored in steel roll off bins until they are hauled to a state approved disposal facility. A C-144 has been submitted to the appropriate OCD district office for approval. *"SEE EXHIBIT 4"*

C. Location of Access Road

"SEE EXHIBIT 1 & Basin Survey well site pad location plat "

PLANS FOR SURFACE RECLAMATION

A. Reserve Pit Cleanup

Not applicable. Closed Loop System will be used.

B. Restoration Plans (Production Developed) *"SEE EXHIBIT 6 "*

Those areas not required for production will be graded to blend with the surrounding topography. Topsoil from the soil pile will be loaded over the disturbed area to the extent possible and will be seeded. The portion of the site required for production will be graded to minimize erosion and provide access during inclement conditions. This may need to be modified in certain circumstances to prevent inundation of the locations' pad and surface facilities. Due to the topography of the area, no problems are anticipated and no erosion or other detrimental effects are expected as a result of this operation. Following depletion and abandonment of the site, restoration procedures will be those that follow under *"ITEM C"* of *"PLANS FOR SURFACE RECLAMATION".*

C. Restoration Plans (No Production Developed)

With no production developed, the entire surface disturbed by construction of the well site will be restored as closely as possible to its pre-operation appearance, including re-vegetation. The site will be contoured to blend with the surrounding topography with provisions made to minimize erosion. The topsoil, as available, shall be placed in a uniform layer and seeded according to the Bureau of Land Management's stipulations. Due to the topography of the area, no problems are anticipated and no erosion or other detrimental effects are expected as a result of this operation.

D. Rehabilitation's Timetable

Upon completion of drilling operations, the initial cleanup of the site will be performed as soon as weather and site conditions allow economic execution of the work.

SURFACE OWNERSHIP

A. Surface Ownership of drill site & access routes:

McNeill Ranches, PO Box 1058, Hobbs, NM, 88241

OTHER INFORMATION

A. Terrain, Soil, Vegetation, Wildlife, Surface Use

Vegetation at wellsite is grassland. Topsoil is very sandy in nature. Plants are sparse which may include prairie grass, some mesquite bushes & shinnery oak. No wildlife observed but likely that deer, rabbits, coyotes & rodents traverse the area, which are all typical of the semi-arid desert land.

B. Surface Water

There are no ponds, lakes, streams or rivers within several miles of the proposed location.

C. Water Wells

No known water wells within 1-1/2 miles of the proposed location.

D. Residences and Buildings

No dwellings within the immediate vicinity of the proposed location.

E. Historical Sites

None observed.

F. Archeological Resources

The site was archeologically surveyed on Octoaber 14, 2011 by Boone Archeological Services LLC, NMCRIS #: 122111. Any location or construction conflicts will be resolved before construction begins.

G. Onsite

Onsite by Trish Badbear, BLM Natural Resource Specialist.

H. Well Signs

Well signs will be incompliance per State requirements and specifications.

I. Drilling Contractor

Pending

OPERATOR'S FIELD REPRESENTATIVE
(Field personnel responsible for compliance with development plan for surface use)

DRILLING

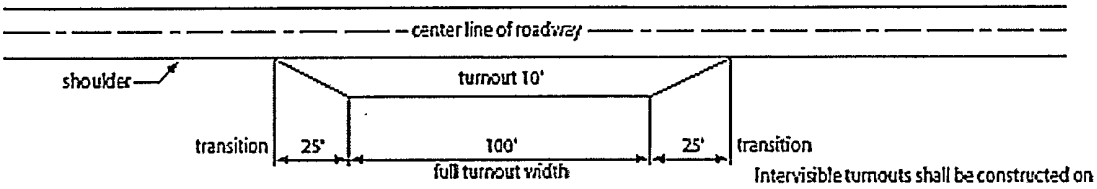
Danny Laman
Drilling Superintendent
303 Veterans Airpark Ln #3000
Midland, TX 79705
432-818-1022 - office
432-634-0288 – cell

PRODUCTION

James Pyle
Sr. Production Foreman
8 Ellison Lane
Eunice, NM 88231
575-394-2733 – w
432-661-9341 – c

Devalle Trammell
Production Foreman
8 Ellison Lane
Eunice, NM 88231
575-394-1503 – w
432-208-3318 – c

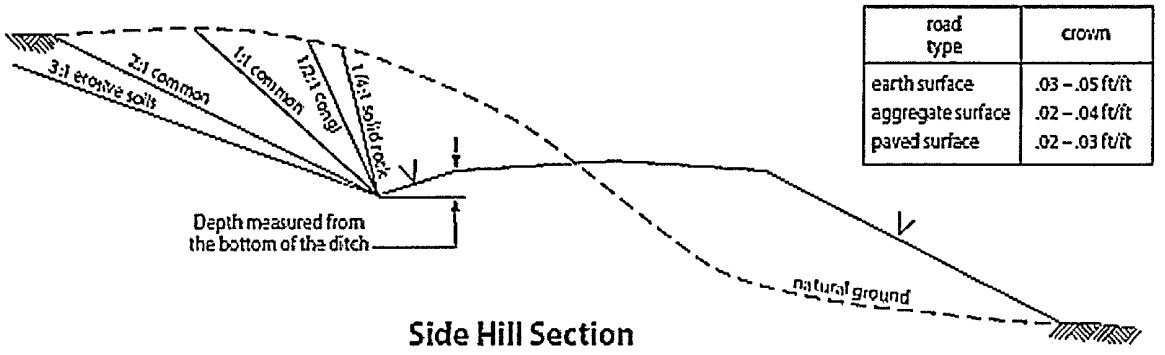
Cross Sections and Plans for Typical Road Sections



Intervisible turnouts shall be constructed on all single lane roads on all blind curves with additional turnouts as needed to keep spacing below 1000 feet.

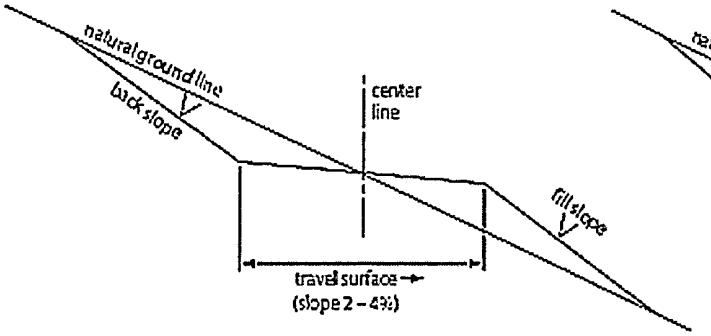
Typical Turnout Plan

Level Ground Section

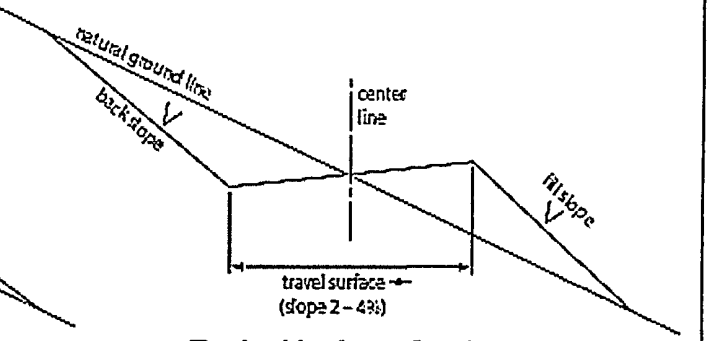


road type	crown
earth surface	.03 – .05 ft/ft
aggregate surface	.02 – .04 ft/ft
paved surface	.02 – .03 ft/ft

Side Hill Section



Typical Outsloped Section



Typical Inslope Section

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

OPERATOR CERTIFICATION

I HEARBY CERTIFY THAT I, OR SOMEONE UNDER MY DIRECT SUPERVISION, HAVE INSPECTED THE DRILL SITE AND ACCESS ROUTE PROPOSED HEREIN; THAT I AM FAMILIAR WITH THE CONDITIONS WHICH CURRENTLY EXIST; THAT I HAVE FULL KNOWLEDGE OF STATE AND FEDERAL laws applicable to this operation; that the statements made in the APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S>C. 1001 for the filing of false statements.

Executed this _____ day of **JANUARY, 2012**

Well: **ELLIOTT FEDERAL 7 #4**

Operator Name: **APACHE CORPORATION**

Signature: Jeremy Ward **Printed Name:** **JEREMY WARD**

Title: **Drilling Engineer** Date: 1-12-12

Email (optional): **jeremy.ward@apachecorp.com**

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

City, State, Zip Code: **Midland, TX 79705**

Telephone: **432-818-1024**

Field Representative (if not above signatory): _____

Address (if different from above): _____

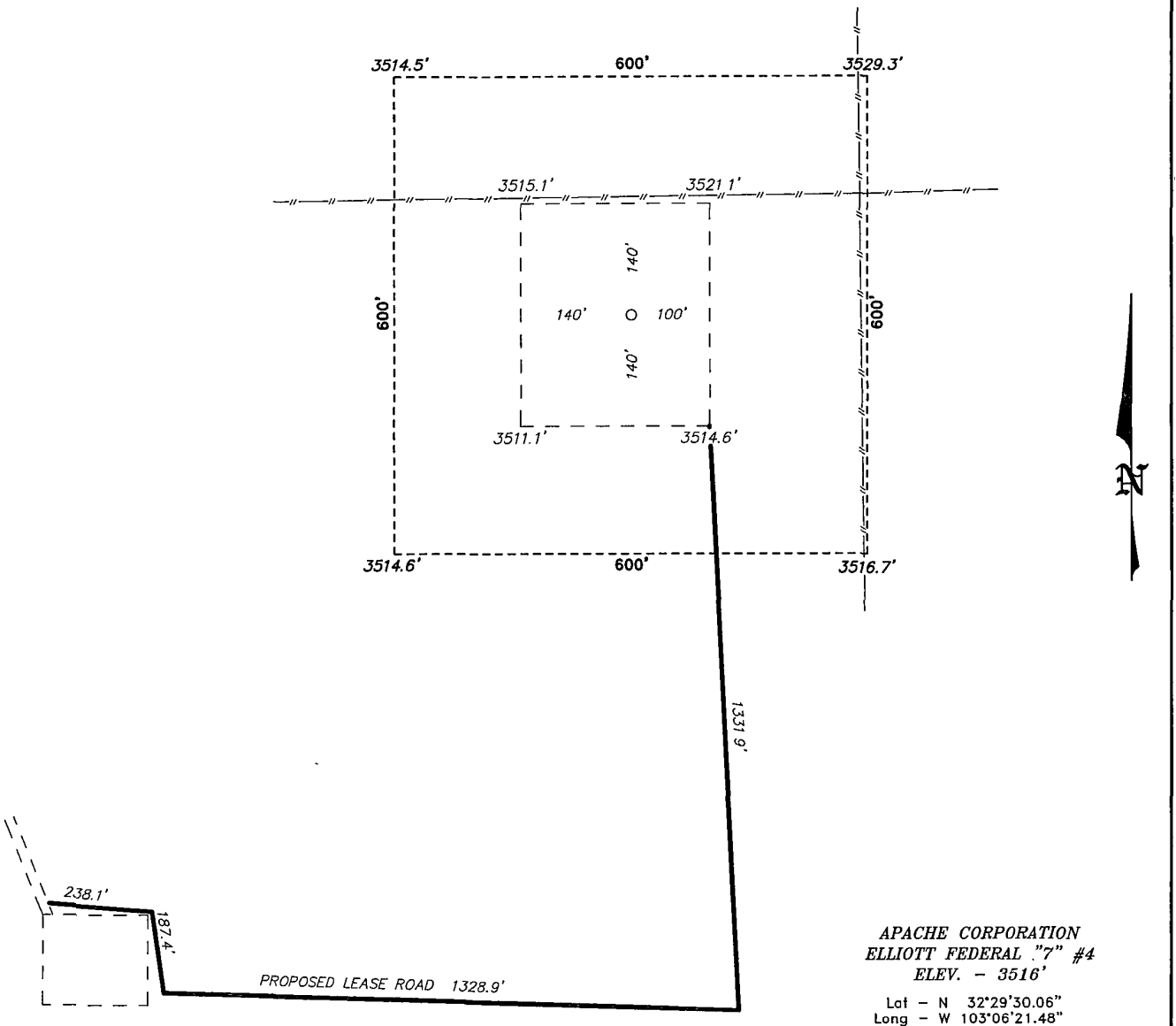
Telephone (if different from above): _____

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.

SECTION 7, TOWNSHIP 21 SOUTH, RANGE 38 EAST, N.M.P.M.,

LEA COUNTY, NEW MEXICO.



APACHE CORPORATION
ELLIOTT FEDERAL "7" #4
ELEV. - 3516'

Lat - N 32°29'30.06"
Long - W 103°06'21.48"
NMSPCE- N 544783.105
E 919774.116
(NAD-83)

Lat - N 32°29'29.64"
Long - W 103°06'19.79"
NMSPCE- N 544724.084
E 878590.146
(NAD-27)

200 0 200 400 FEET

SCALE: 1" = 200'

Directions to Location:

FROM THE MILE MARKER 36 OF HWY 18, GO SOUTH 0.6 MILES TO LEASE ROAD, ON LEASE ROAD GO EAST 0.6 MILES TO LEASE ROAD, ON LEASE ROAD GO SOUTHERLY 0.3 MILES TO WELL PAD AND PROPOSED LEASE ROAD.

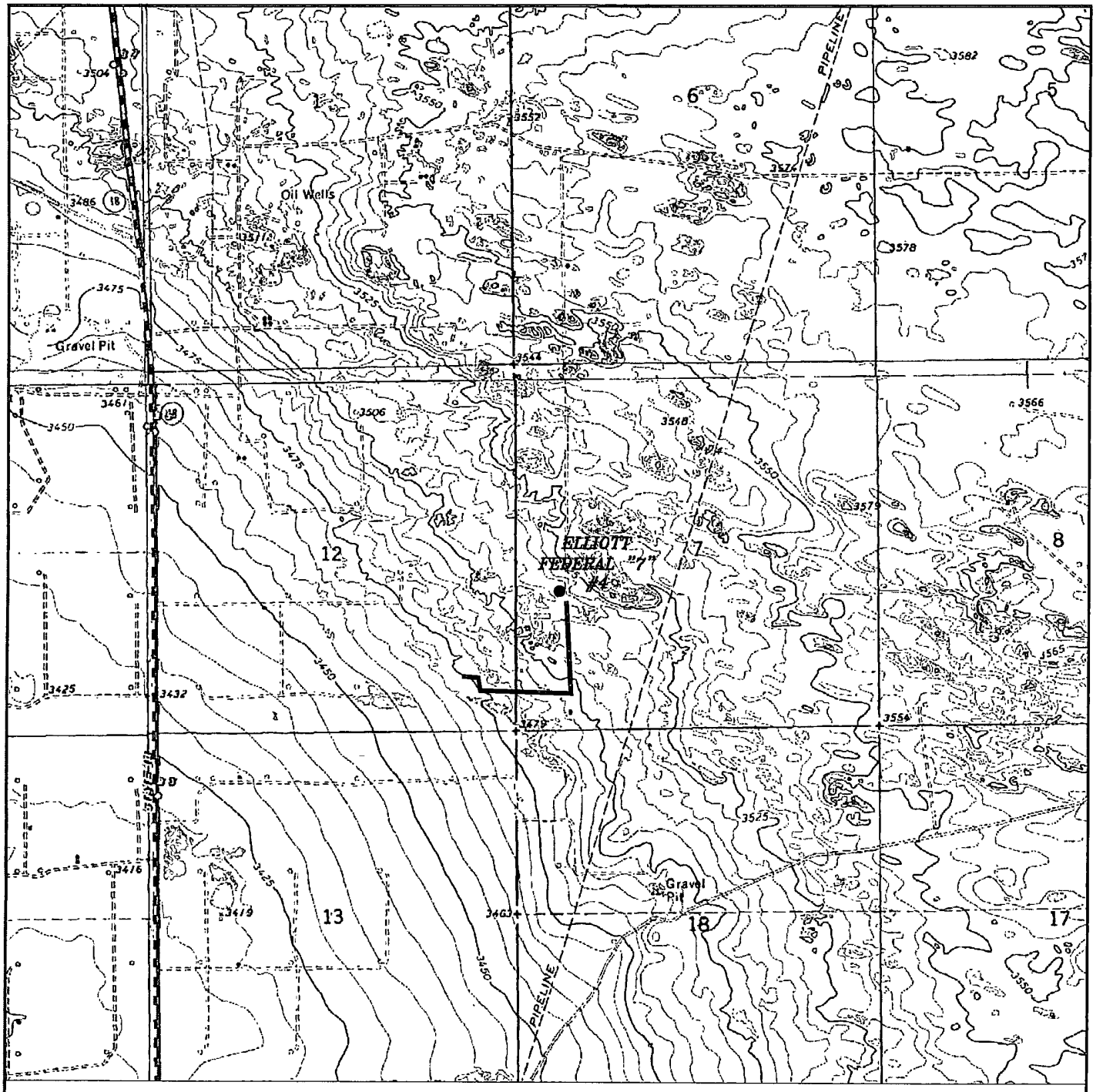
BASIN SURVEYS P.O. BOX 1786 - HOBBS, NEW MEXICO

APACHE CORPORATION

REF: ELLIOTT FEDERAL "7" #4 / WELL PAD TOPO

THE ELLIOTT FEDERAL "7" #4 LOCATED 1980' FROM THE SOUTH LINE AND 660' FROM THE WEST LINE OF SECTION 7, TOWNSHIP 21 SOUTH, RANGE 38 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO.

W.O. Number: 24874	Drawn By: J. SMALL		
Date: 07-21-2011	Disk: JMS 24874	Survey Date: 07-19-2011	Sheet 1 of 1 Sheets



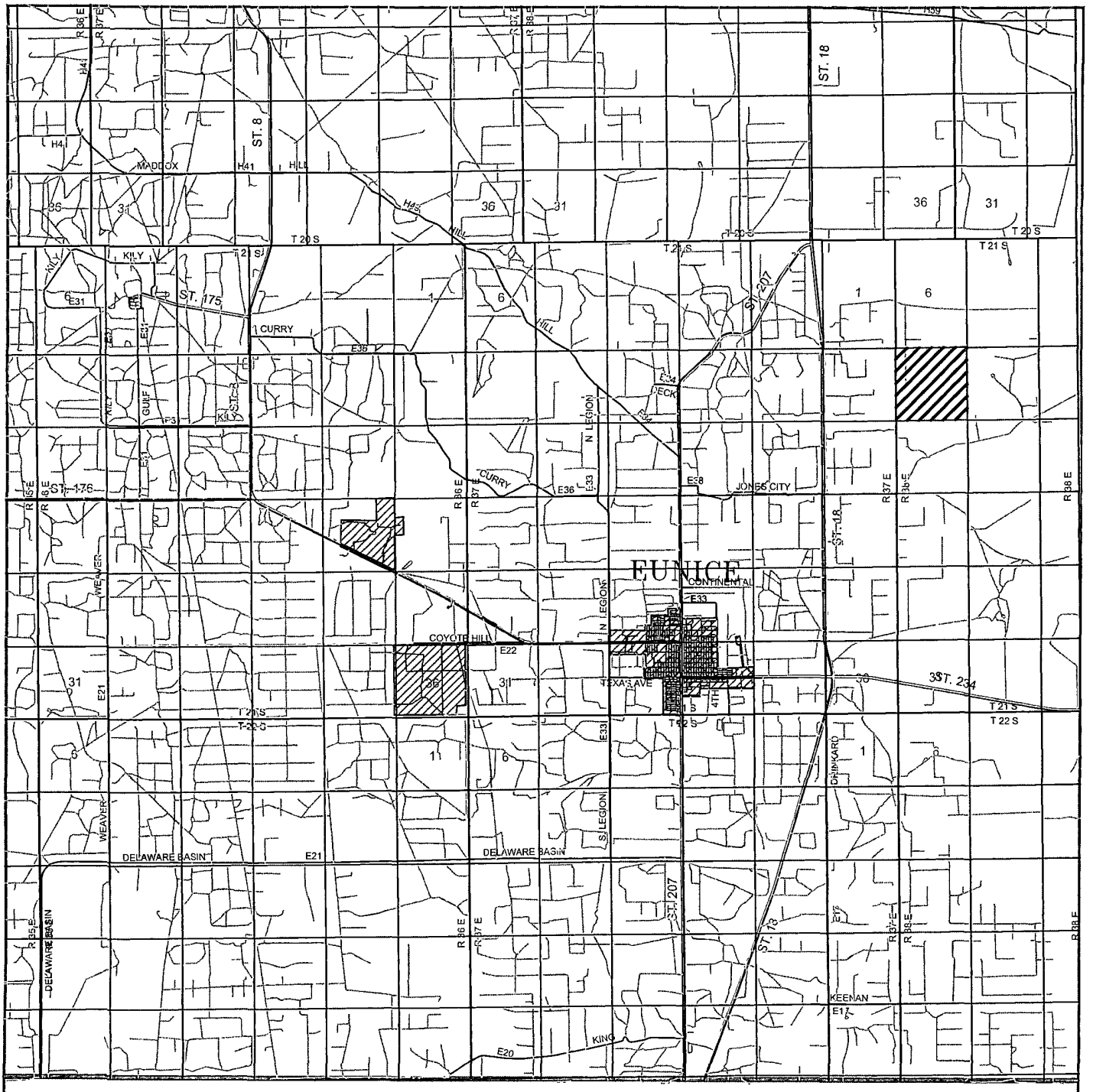
ELLIOTT FEDERAL "7" #4
Located 1980' FSL and 660' FWL
Section 7, Township 21 South, Range 38 East,
N.M.P.M., Lea County, New Mexico.

Basin Surveys
focused on excellence in the oilfield
P.O. Box 1786
1120 N. West County Rd.
Hobbs, New Mexico 88241
(575) 393-7316 - Office
(575) 392-2206 - Fax
basinsurveys.com

W.O. Number: JMS 24874
Survey Date: 07-19-2011
Scale: 1" = 2000'
Date: 07-21-2011

N

APACHE CORPORATION



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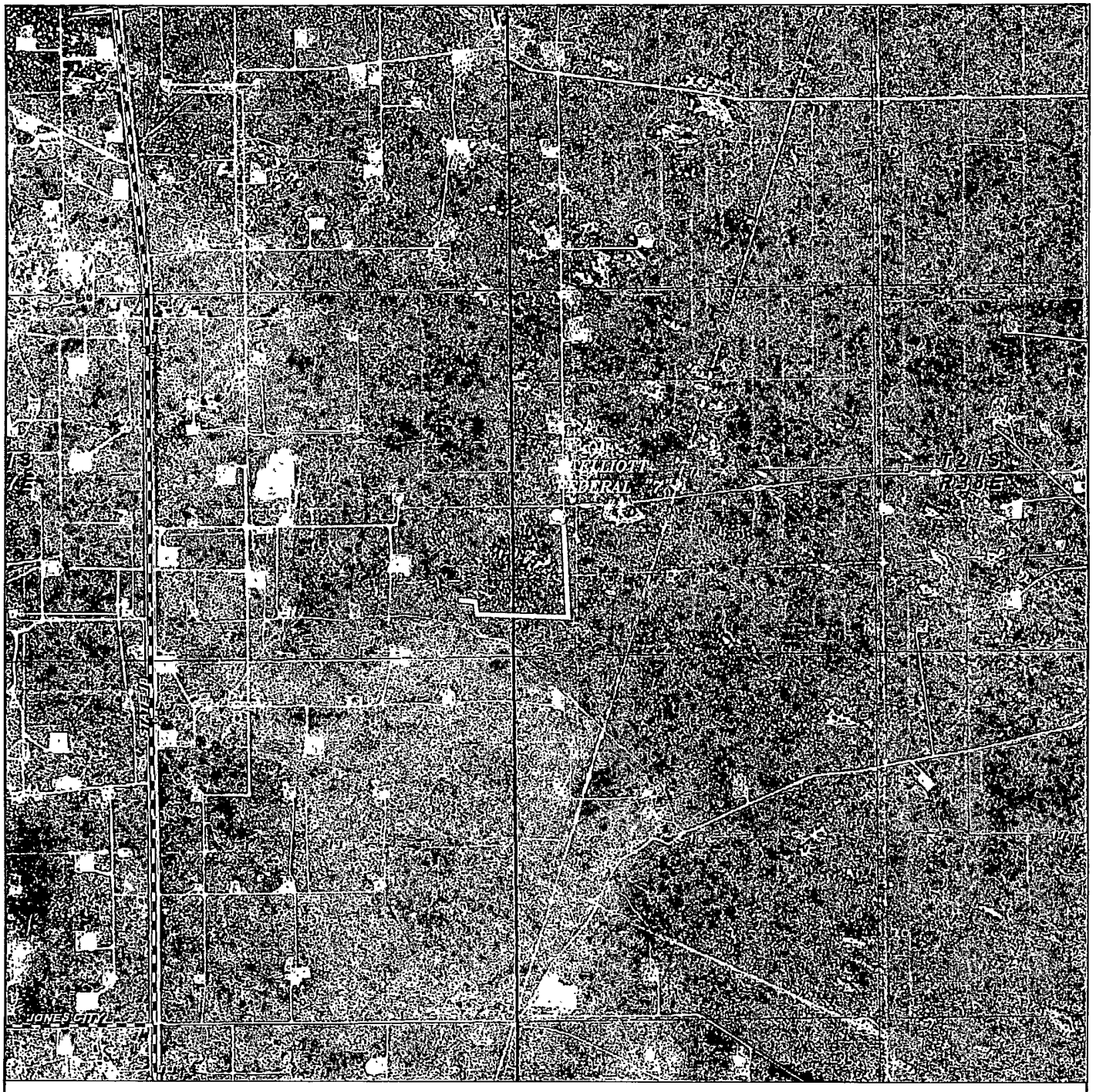
W.O. Number:	JMS 24874
Survey Date:	07-19-2011
Scale:	1" = 2 Miles
Date:	07-21-2011

N

APACHE CORPORATION



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Scale: 1" = 2000'

YELLOW TINT - USA LAND
BLUE TINT - STATE LAND
NATURAL COLOR - FEE LAND

N

APACHE CORPORATION

Exhibit # 2

APACHE CORPORATION

Elliott Federal 7 #4

UL: L Sec: 7 T21S R38E Lea Co

1980' FSL & 660' FWL

1 MILE RADIUS

POSTED WELL DATA

Well Number ●

WELL SYMBOLS

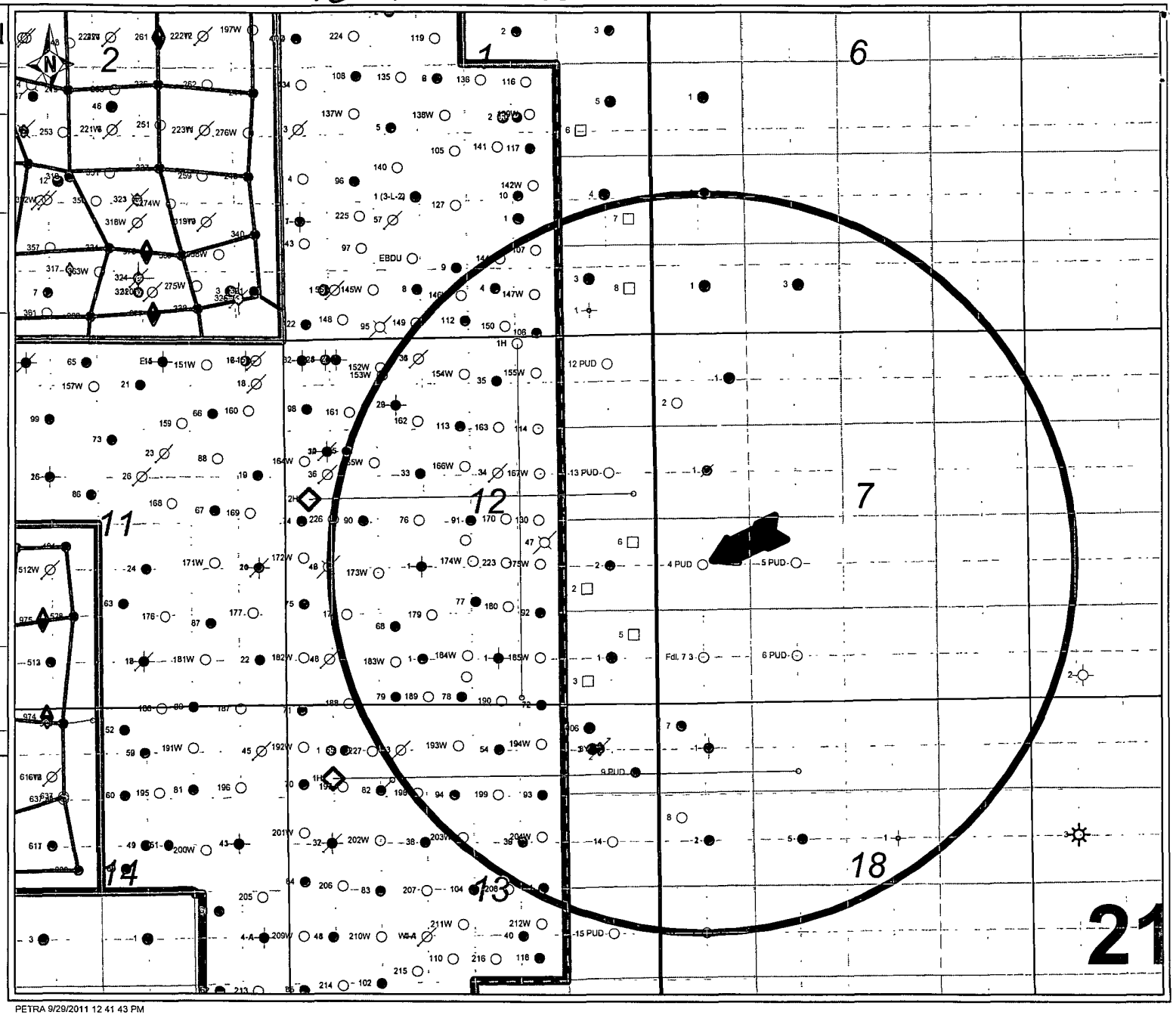
- Abandoned Oil Well
- Dry Hole
- Deeper Exploratory
- Gas Well
- Location Only
- Non Apache
- Oil Well
- Plugged & Abandoned Oil Well
- Proposed Loc, Not Approved
- Temporarily Abandoned
- Plugged and Abandoned
- Active Producer
- Producing Oil Shut In
- Temporarily Abandoned Oil Well
- Plugged Injection
- Active Injection

0 2,022 4,044

FEET

September 29, 2011

nearest well: ~1000



PETRA 9/29/2011 12 41 43 PM

ACCESS ROAD, ELECTRICAL LINE, FLOW LINE PLAT

ELLIOTT FEDERAL 7 #4

Exhibit #1