

MINING COMPANY
EVANS & ASSOCIATES CONSTRUCTION CO., INC.
 3320 NORTH 4TH STREET, PONCA CITY, OKLAHOMA 74602

MINE NAME
BIG FORK RANCH

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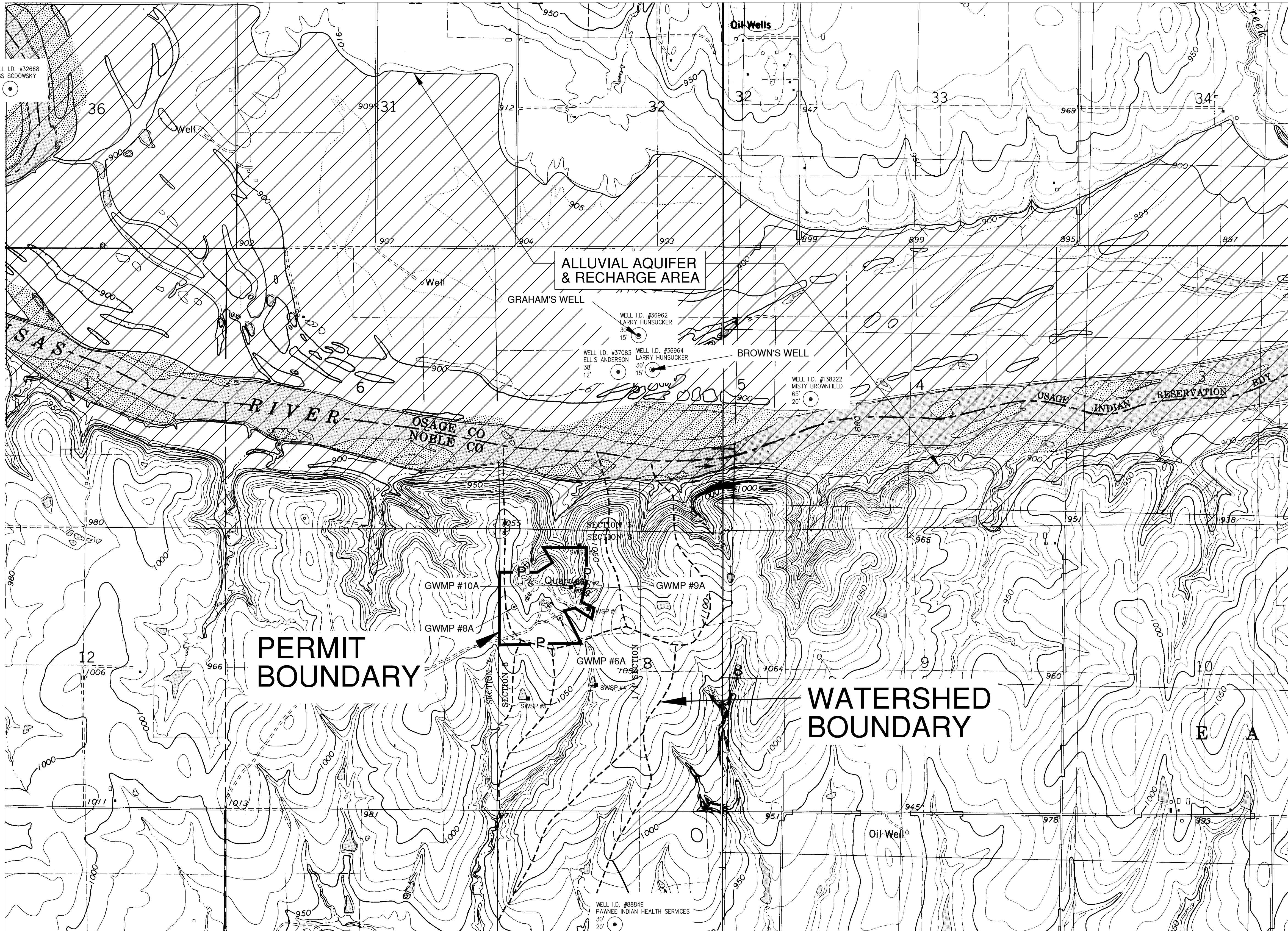
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L E G E N D

PROPERTY BOUNDARIES	---
PERMIT BOUNDARIES	— P —
SURFACE OWNER AND PERCENTAGE	KAW LAND & CATTLE CO., INC.
COAL OWNER AND PERCENTAGE	
FEDERAL COAL LEASE	— FCL —
BOUNDARIES OF AREA TO BE DISTURBED	— D —
PRIME FARMLAND BOUNDARIES	--- PF ---
TRAIL	-----
WATERSHED BOUNDARIES	--- W/S ---
SECTION LINE	-----
PRE-MINE CONTOUR	----- 1050 -----
ANTICIPATED POST-MINE CONTOUR	-----
COAL STRUCTURAL CONTOUR	-----
OVERBURDEN ISOPACH	-----
COAL THICKNESS ISOPACH	-----
COAL STRIKE AND DIP	-----
COAL SUBCROP LIMIT	-----
POWER LINES	----- Z -----
TELEPHONE LINES OR CABLES	----- T -----
FENCES	-----
REFERENCE AREA	R/A
BUFFER ZONE	-----
ARCHAEOLOGICAL SITES	-----
SURFACE WATER MONITORING POINT	● SWMP
SURFACE WATER SAMPLING POINT	■ SWSP
GROUND WATER MONITORING POINT	○ GWMP
GROUND WATER SAMPLING POINT	○ GWSP
EXPLORATORY DRILL HOLE LOCATION AND NUMBER	● G-2
PERENNIAL STREAMS	-----
INTERMITTENT STREAMS	-----
EPHEMERAL STREAMS	-----
WELL I.D. NUMBER #	○
WELL OWNER	○
ALLUVIAL AQUIFER & RECHARGE AREA	-----

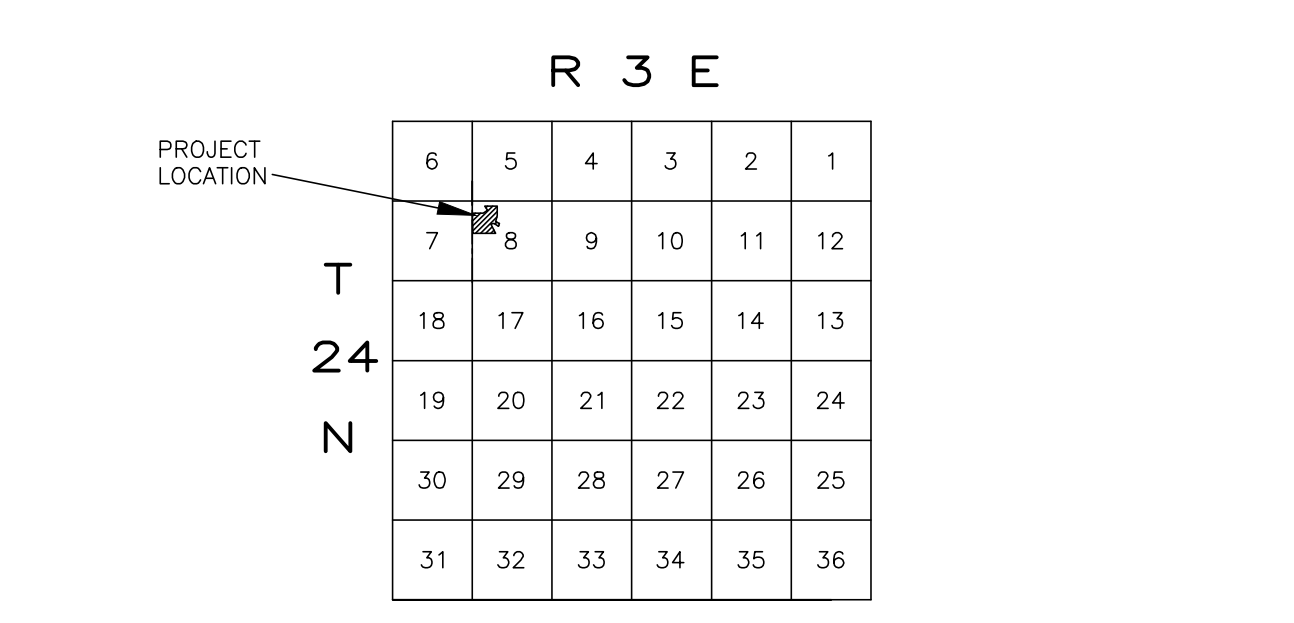
SUMMARY OF SURFACE AND GROUNDWATER MONITORING & SAMPLING

DRILL HOLE (NO.)	TOTAL DEPTH (FT.)	DEPTH TO WATER (FT.)	SURFACE ELEVATION (FT.)	COMMENTS/PERMIT TO BE MONITORED
GWMP #A	40.0	---	1055.0	COMPLETED IN NOVEMBER 2000
GWMP #A	45.0	---	1060.0	COMPLETED IN NOVEMBER 2000
GWMP #A	40.0	---	1022.0	COMPLETED IN OCTOBER 2000
GWMP #10A	50.0	---	1021.0	COMPLETED IN NOVEMBER 2000
SWSP #1				ASH DISPOSAL PIT #1
SWSP #2				ASH DISPOSAL PIT #2
SWSP #3				ASH DISPOSAL PIT #3
SWSP #4				FARM POND
SWSP #5				FARM POND

NOTE:
 1. COMPLETION INFORMATION IS NOT AVAILABLE FOR THE WELLS OWNED BY RESIDENCES.
 2. REFER TO PERMIT APPLICATION FOR DETAILED WATER QUALITY AND QUANTITY INFORMATION FOR EACH GROUND WATER MONITORING POINT, WELL, PIT AND POND.

CONSTRUCTION NOTES

- THERE SHALL BE NO BLASTING WITHIN 300 FEET OF ANY OCCUPIED DWELLING, PUBLIC BUILDING, SCHOOL, CHURCH, HOSPITAL, OR NURSING FACILITY, UNLESS THE NECESSARY APPROVALS ARE OBTAINED.
- BUFFER ZONE = (1.5 X MINING DEPTH) + 25 FEET WILL BE ESTABLISHED ALONG THE BOUNDARY OF THE PROPERTY OWNED BY ADJOINING OWNERS ALONG THE HIGHWALL.
- CONTACT OKIE DATA AT 1-800-522-6543 TO VERIFY THE LOCATIONS OF THE UTILITY LINES PRIOR TO ANY CONSTRUCTION ACTIVITIES.



PREPARED BY: **EMERA CORPORATION**
 P. O. BOX 2228, EDMOND, OK 73083

PREPARED FOR: **EVANS & ASSOCIATES CONSTRUCTION CO., INC.**
 3320 NORTH 4TH STREET, PONCA CITY, OKLAHOMA 74602

TITLE OF MAP: **GROUNDWATER RESOURCE & USAGE MAP**

DRAWN BY: CET SCALE: 1" = 2000' DATE: 9-13-2017

DRAWING NO: MP-5 SHEET 5 OF 11 REVISED:

NAME OF PROJECT: **BIG FORK RANCH**

LOCATION: **A PART OF SECTION 8, T24N, R3E, NOBLE CO., OKLAHOMA**

NOBLE COUNTY, OKLAHOMA



SCALE: 1" = 2000'

PERMIT NO.