



02358329

COLORADO WELL LOCATION PLAT

ENERGY OPERATING COMPANY, INC.
 WILLIAMSON #1
 IN THE SE 1/4 OF THE SW 1/4 OF
 SECTION 23, T.1N., R.72W., 8th P.M.
 (Costilla Estates Survey, So-called)
 COSTILLA COUNTY, COLORADO

WELL LOCATION: 684 FEET FROM THE SOUTH LINE, and
 2348 FEET FROM THE WEST LINE

COLORADO STATE PLANE COORDINATES OF STAKED

WELL LOCATION: NAD27 COLORADO STATE PLANE,

SOUTH ZONE X=2,022,850 Y=131,300

GROUND ELEVATION = 8356.

BASIS OF BEARING: GPS OBSERVATIONS

BASIS OF ELEVATION: 1996 GEOID MODEL OF THE
 CONTIGUOUS UNITED STATES

SCALE: 1" = 1000'

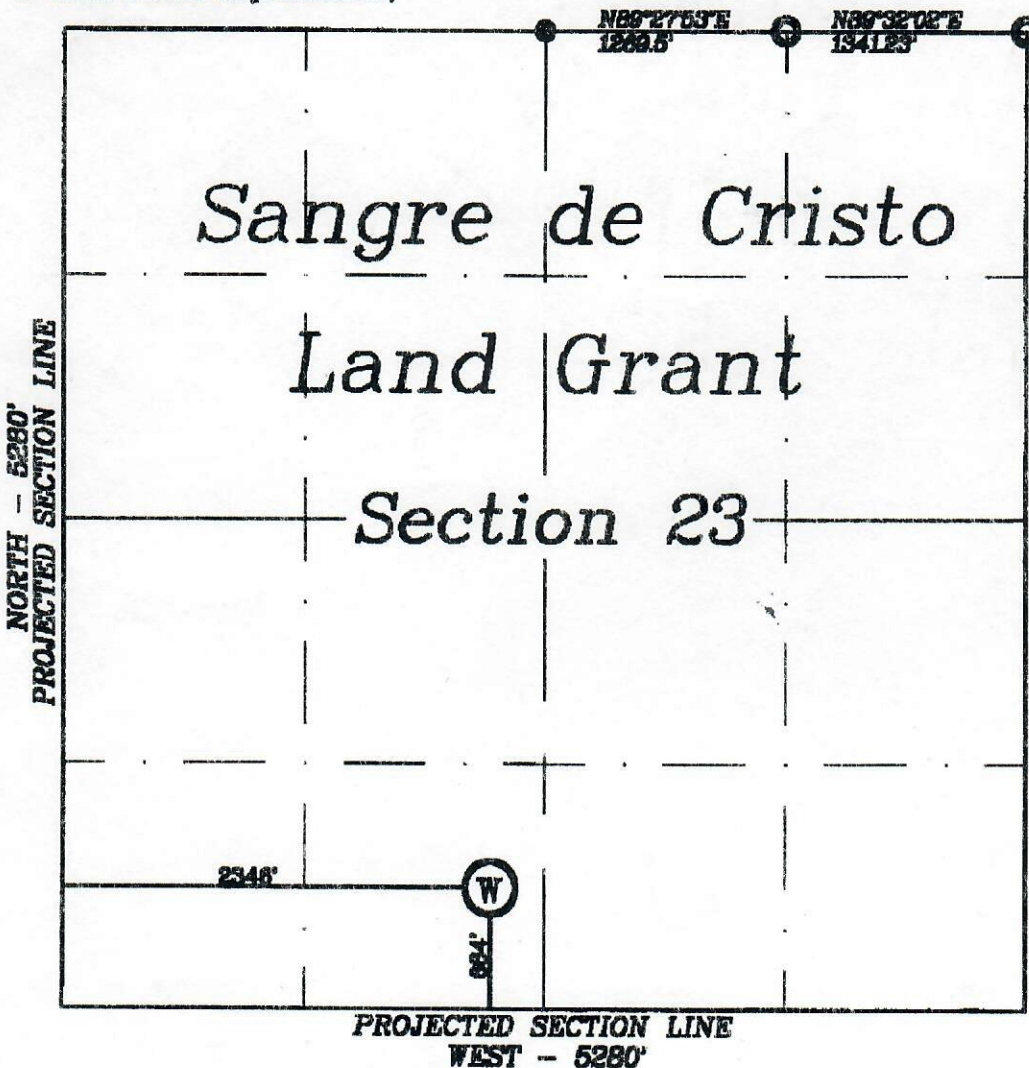


Some information on this plat is based on information taken from previous surveys, record information, or collateral evidence and may not reflect that which may be disclosed by a complete boundary survey. This plat is not to be relied on for the establishment of surface boundaries, fences, buildings, or other future improvements.

⊙ STAKED WELL
 LOCATION

⊙ 3.25" Al. Cap
 LS 26966

⊙ Mkd. Stone



I hereby certify that the proposed well location shown on this plat was prepared from field notes of an actual survey performed by me, and that the same is true and correct to the best of my knowledge, information, and belief, and that there are no visible improvements within 200 feet of this proposed wellhead, unless noted otherwise.



Mark S. Luchetti
 CO PLS #18468

April 10, 1999
 Date Surveyed



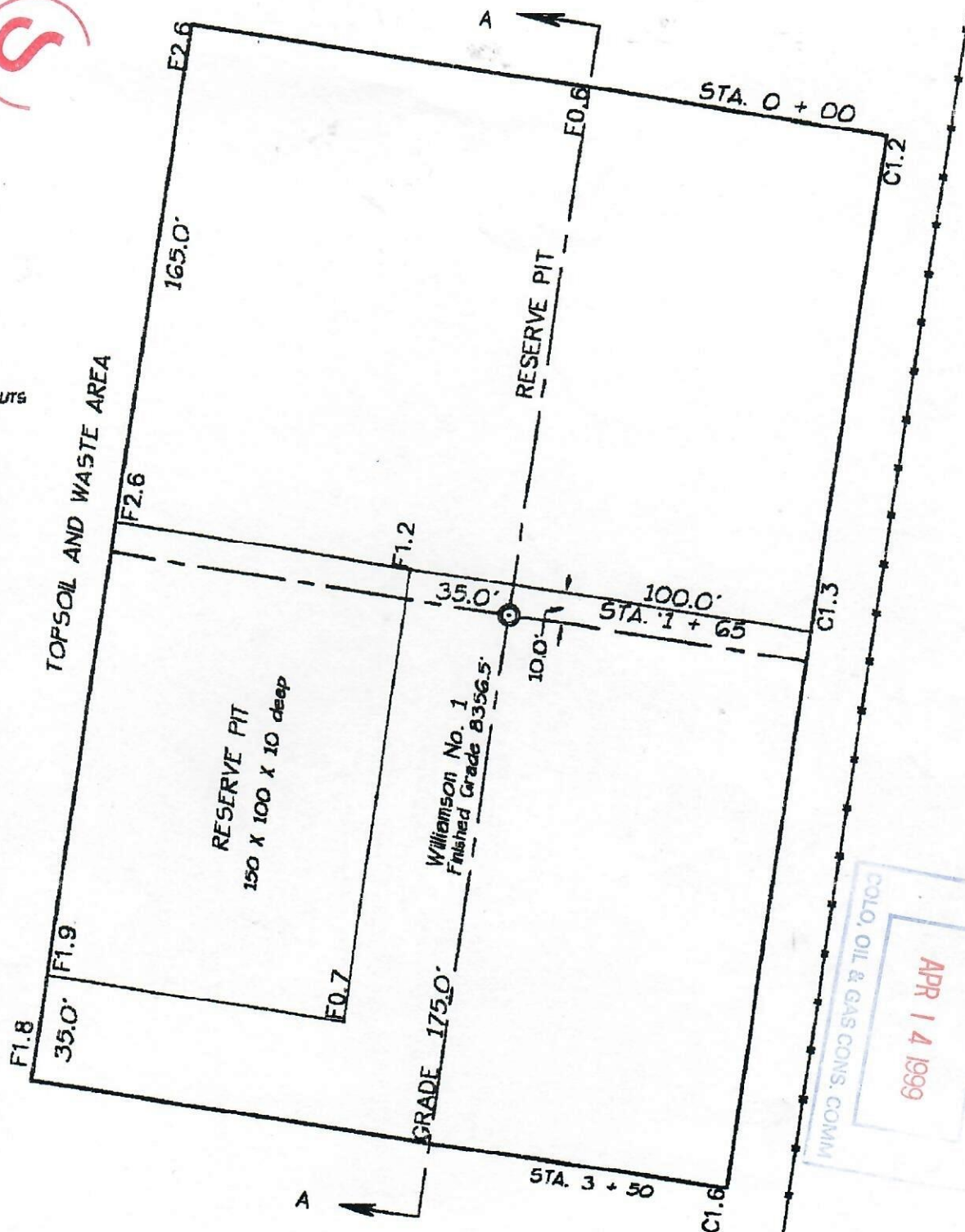
SCALE: 1"=50'

SLOPES:

1:1 CUTS

1:1 FILLS

1.5:1 RESERVE PIT CUTS



EARTHWORK VOLUMES

TOPSOIL STRIP (0.5')	1,500 CY
RESERVE PIT CUT	3,400 CY
PAD CUT	850 CY
TOTAL AVAILABLE MATERIAL FROM CUT	4,250 CY
PAD FILL ONEAT LINED	3,400 CY
SHRINKAGE @15%	500 CY
TOTAL MATERIAL REQUIRED	3,900 CY
NET 350 CY AVAILABLE	

ENERGY OPERATING COMPANY, INC.

WILLIAMSON No.1

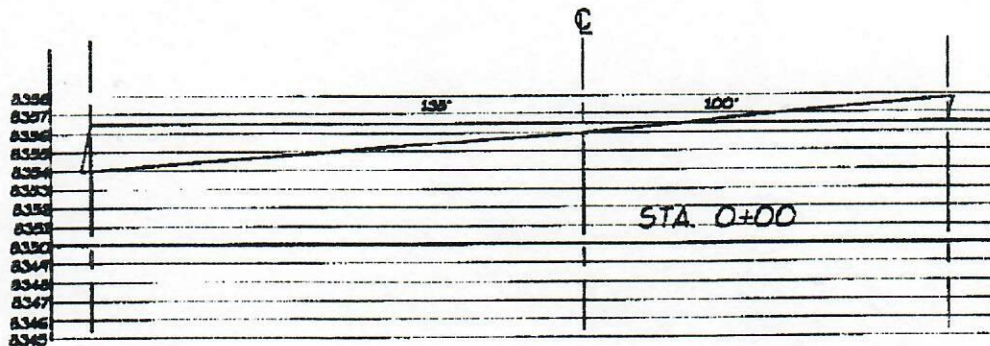
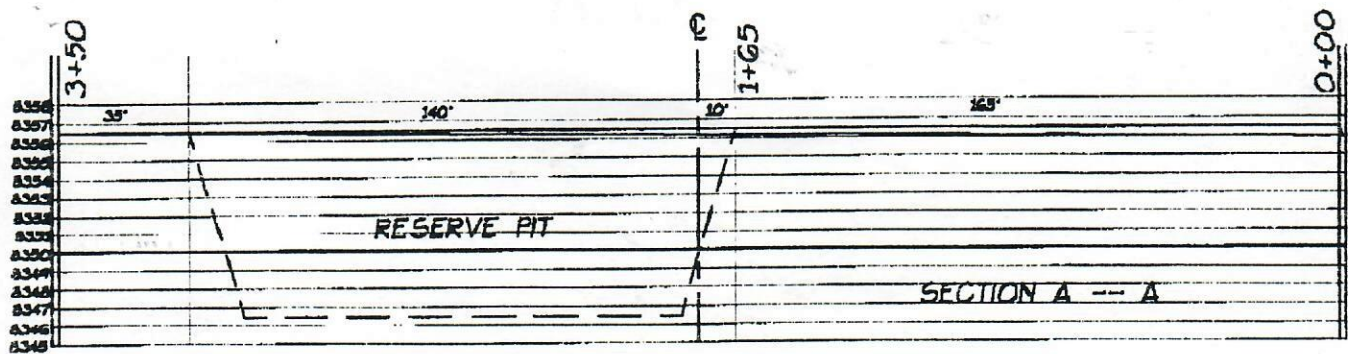
PROPOSED LAYOUT

664 FSL 2,346 FWL

SEC. 23, T.1N., R.72W., 6th P.M.
(Costilla Estates Survey, So-called)

April 11, 1999

Sht. 2 of 4



SLOPES:

1:1 CUTS

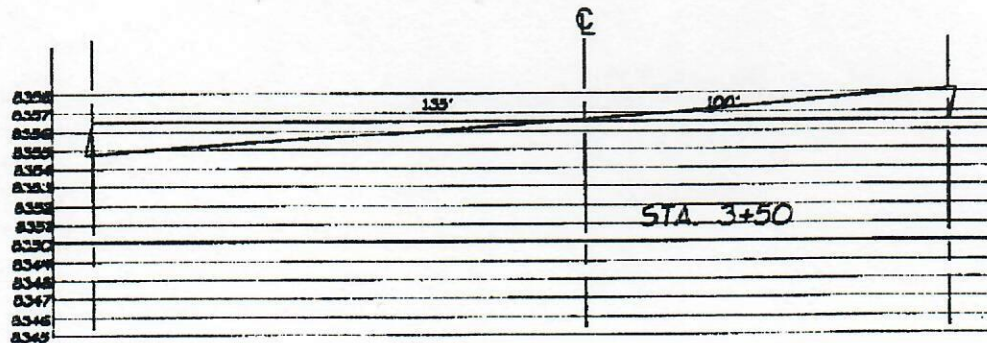
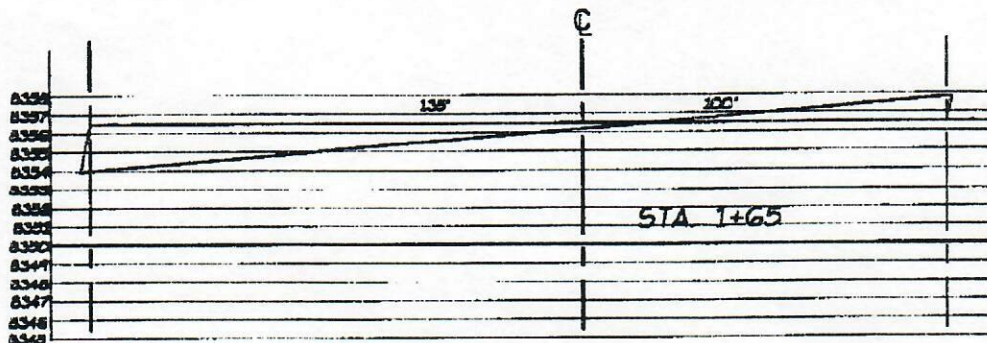
1:1 FILLS

1.5:1 RESERVE PIT CUTS

SCALES:

1" = 50' HORIZ.

1" = 10' VERT.



EARTHWORK VOLUMES

TOPSOIL STRIP (0.5')	1,500 CY
RESERVE PIT CUT	3,400 CY
PAD CUT	850 CY

TOTAL AVAILABLE MATERIAL FROM CUT	4,250 CY
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PAD FILL (NEAT LINE)	3,400 CY
SHRINKAGE @15%	500 CY

TOTAL MATERIAL REQUIRED	3,900 CY
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NET 350 CY AVAILABLE

ENERGY OPERATING COMPANY, INC.
WILLIAMSON No.1

CROSS-SECTIONS

664 FSL 2,346 FWL

SEC. 23, T.1N., R.72W., 6th P.M.
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April 11 1999

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