

THAYER 19-31
WELL LOCATION

WELL LOCATION

LOCATION
SEC. 19-T.6N.-R.66W.



LEGEND

- - - SECTION LINE
- - - QUARTER SECTION LINE
- - - SIXTEENTH SECTION LINE
- - - FOUND ALIQUOT MONUMENT
- - - CALCULATED ALIQUOT CORNER

*See Usable Improvement
Map 9/28/04*

NORTHWEST CORNER
SEC.19-T.6N.-R.66W.
Found #6 rebar w/ alum.
cap stamped LS 12374

HIGHWAY 392

S 86°45'41" W 2918.32'

S 86°45'02" W 2916.26'

NORTH QUARTER CORNER
SEC.19-T.6N.-R.66W.
Found #6 rebar w/ alum.
cap stamped LS 23513

NORTHEAST CORNER
SEC.19-T.6N.-R.66W.
Found #6 rebar w/ alum.
cap stamped LS 16154

CENTER QUARTER CORNER
SEC.19-T.6N.-R.66W.
CALCULATED POSITION

S 00°05'17" W 2663.59'

S 03°14'19" E 2648.32'

N 86°33'37" E 2777.46'

WITNESS CORNER
EAST QUARTER CORNER
SEC.19-T.6N.-R.66W.
Found #6 rebar w/ alum.
cap stamped LS 33642

WEST QUARTER CORNER
SEC.19-T.6N.-R.66W.
Found metal pipe w/
3 1/4" cap stamped
LS 20685

SURFACE = CROP FIELD
ELEV. = 4752

SOUTH QUARTER CORNER
SEC.19-T.6N.-R.66W.
Found #6 rebar w/ alum.
cap stamped LS 7242

SOUTHEAST CORNER
SEC.19-T.6N.-R.66W.
Found #6 rebar w/ alum.
cap stamped LS 16154.

S 00°14'56" E 2581.46'

S 03°14'19" E 2574.81'

N 87°59'31" E 2639.11'

SOUTHWEST CORNER
SEC.19-T.6N.-R.66W.
Found #6 rebar w/ alum.
cap stamped LS 7242

N 86°30'46" E 3207.56'

COUNTY ROAD 66

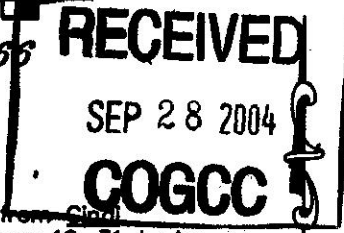
COUNTY ROAD 27

N 00°13'38" W 2444.88'

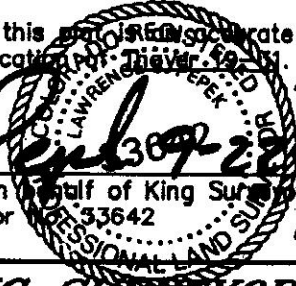
Bearings shown are Grid Bearings of the Colorado State Plane Coordinate System, North Zone, North American Datum 1983/92.

King Surveyors Inc. of Windsor, Colorado has in accordance with a request from Clair Danner-Weide for Prima Oil & Gas Company determined the location of Thayer 19-31 to be 1932' from the South line and 2506' from the West line of Section 19, Township 6 North, Range 66 West of the Sixth Principal Meridian, County of Weld, State of Colorado.

I, hereby certify that this plan is an accurate representation of a correct survey showing the location of Thayer 19-31.

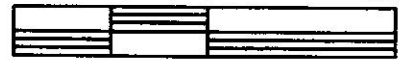


Lawrence S. Pepek
Lawrence S. Pepek—On behalf of King Surveyors, Inc.
Licensed Land Surveyor No. 33642
State of Colorado



all angles are measured at 90° unless otherwise noted

1000 500 0 1000



Ground elevation shown is approximate and is based on an observed GPS elevation (NAVD 1988 DATUM).



KING SURVEYORS, INC.

9299 EASTMAN PARK DRIVE, WINDSOR, CO 80550
PHONE: (970) 686-5011 FAX: (970) 686-5821
WWW.KINGSURVEYORS.COM

PROJECT NO: 2004323
DATE: 09/20/04
CLIENT: PRIMA OIL
DWG: 2004036WELL.DWG
FIELD WORK: PG_08-10-04

Thayer 17-51 #123-22385

Well name and number:

NESW-519-T6N-R66W Amended

Survey Plat Check list

| number | Item | |
|--------|--|-----|
| | 8-1/2" x 11" scaled drawing of the entire section | - |
| 1 | Dimensions on adjacent exterior section lines sufficient to completely describe the quarter section containing the proposed well shall be indicated | OK |
| 1a | If dimensions are not field measured, state how the dimensions were determined | - |
| 2 | For directional drilling into an adjacent section, that section shall also be shown on the location plat and dimensions on exterior section lines sufficient to completely describe the quarter section containing the proposed productive interval and bottom hole location shall be indicated. | N/A |
| 3 | For irregular, partial or truncated sections, dimensions will be furnished to completely describe the entire section containing the proposed well. | N/A |
| 4 | The field-measured distances from the nearer north/south and nearer east/west section lines shall be measured at ninety (90) degrees from said section lines to the well location and referenced on the plat. | OK |
| 4.1* | For unsurveyed land grants and other areas where an official public land survey system does not exist the well locations shall be spotted as footages on a protracted section plat using Global Positioning System (GPS) technology and also reported as latitude and longitude in accordance with the requirements set forth below: in 4A, 4B, 4C | N/A |
| 4A* | All GPS data reported to the Commission shall be differentially corrected using base station data or other correction sources. The base station or other correction source shall be identified and reported with the coordinate values. | - |
| 4B* | Coordinates shall be reported as latitude and longitude in decimal degrees to an accuracy of at least five (5) decimal places (e.g.; latitude 37.12345 N, longitude 104.45632 W). | - |
| 4C* | All data shall be referenced to the North American Datum (NAD) of 1927. | - |
| 4D | The date of the survey shall be reported. | - |
| 5 | A map legend | - |
| 6 | A North Arrow | OK |
| 7 | A scale expressed as an equivalent (e.g. - 1" = 1000'). | OK |
| 8 | A bar scale. | OK |
| 9 | The ground elevation. | OK |
| 10 | The basis of the elevation (how it was calculated or its source). | OK |
| 11 | The basis of bearing or interior angles used. | - |
| 12 | Complete description of monuments and/or collateral evidence found; all aliquot corners used shall be described. | OK |
| 13 | The legal land description by section, township, range, principal meridian, baseline and county. | - |
| 14 | Operator name | OK |
| 15 | Well name and number | OK |
| 16 | Date of completion of scaled drawing | - |
| 17a | All visible improvements within two hundred (200) feet of a wellhead (or, in a high density area within four hundred (400) feet of a wellhead) shall be physically tied in and plotted on the well location plat or on an addendum, with a horizontal distance and approximate bearing from the well location. | - |
| 17b | Visible improvements shall include, but not be limited to, all buildings, publicly maintained roads and trails, major above-ground utility lines, railroads, pipelines, mines, oil wells, gas wells, injection wells, water wells, visible plugged wells, sewers with manholes, standing bodies of water, and natural channels including permanent canals and ditches through which water flows. | - |
| 17c | If there are no visible improvements within two hundred (200) feet of a wellhead (or in a high density area within four hundred (400) feet of a wellhead); it shall be so noted on the Permit-to-Drill, Form 2. | - |
| 18 | Surface use shall be described within the two hundred (200) foot radius of a wellhead (or in a high density area within the four hundred (400) foot radius of a wellhead). | - |

* Only required for unsurveyed land grants and other areas where an official public land survey system does not exist.

The survey plat you submitted with your permit was found to be in non-compliance with COGCC rule 303c. See above checklist. You are required to submit a revised survey plat. From August 26, 2004 to Sept 30, 2004 we are granting an automatic variance to rule 303c; beginning on October 1, 2004 no more variances to rule 303c will be granted. If your survey plat is not in compliance with rule 303c the operator will be notified and the permit will be placed on hold until an adequate replacement is supplied to the COGCC.

RECEIVED
SEP 28 2004
COGCC