

- a survey of a well site and access road under the Indian Oil and Gas Regulations; and
- geo-referencing to NAD83 CSRS using Precise Point Positioning.

[illegible]

ROUTE PLAN
Not to scale

Adjusted UTM Coordinates – Geo-Referenced Control Stations NAD83 (CSRS) Epoch V4 (2002) Zone 12 (111 W. Longitude)				
STATION	NORTHING	EASTING	COMBINED SCALE FACTOR	ESTIMATED ABSOLUTE ACCURACY
GCP1	6552149.197	545111.393	0.999123	0.05
GCP2	6551315.243	544317.488	0.999123	0.05

NRCan's PPP (Precise Point Positioning) Post Processing Service was used to derive coordinates for Control Stations GCP1 & GCP2.

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Tie from W/C 02/8-26 to:

- 1) Abandoned well bore 8-26 is $292^{\circ}22'15''$ - 164.4
- 2) South bank of coulee is North - 100m

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[illegible]

AREAS :		
	ha	A.
WELL SITE	= 1.00	2.47
ACCESS ROAD	= 1.40	3.46
TOTAL	= 2.40	5.93

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Date : _____

CROSS PETROLEUM LTD.

CROSS 02 HAIR 8-26-116-2

Plan of Survey of
Well Site and Access Road in
N.E. 1/4 Sec. 23 and S.E. 1/4 Sec. 26
And Through the Adjoining Road Allowance
All within Tp. 116, R. 2, W. 4th M.

(FOR LOCATION DESCRIPTION SEE CHAPTER 2.2, GUIDELINES FOR PREPARATION OF SURVEY PLANS)

LOST CORNER INDIAN RESERVE No. 123
PROVINCE OF ALBERTA

SCALE 1: 5000



The plot size that will provide true scale and optimum readability for this plan is 382 by 972 mm.

THIS SURVEY WAS EXECUTED DURING THE PERIOD OF _____ TO _____, _____ BY GASTON KRUDE, CLS, ALS.
(date) (date) (year)

LEGEND:

Bearings are NAD83 (CSRS) UTM Grid, derived from dual frequency differential carrier phase GNSS observations and are referred to the central meridian of UTM Zone 12°(111 West Longitude).

Distances shown are horizontal at general ground level unless noted otherwise and are expressed in metres and decimals thereof. To compute grid distances, multiply ground level distances by the average combined scale factor of 0.999123.

Real time kinematic GPS observations were used to derive part of this survey.

Standard CLS post found shown thus ●
 Statutory iron post found shown thus ●
 30 cm iron spikes placed are shown thus △
 30 cm iron spikes found are shown thus △
 Well center shown thus W/C, ⊙
 Well bore shown thus ⊙
 Lands dealt with shown bounded thus ⊙
 P/L denotes pipeline right-of-way
 LS denotes legal subdivision
 A/R denotes access road

Department of Natural Resources
Re: Subsection 40(1), Indian Oil and Gas Regulations, 1995

Reviewed

for Surveyor General

File No.

Checklist No.

RE: Section 38, Canada Lands Surveyors Regulations

CERTIFIED CORRECT

On the _____ Day of _____

Gaston Krude, C.L.S., A.L.S.

	RANGE POLE SURVEYS LTD.
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REVISIONS:	
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ISSUED:	
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JOB No. : 1A2B3C	SHEET 1 OF 4
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