

ELCANO NORTH HARGRAVE 2-27-12-27WPM

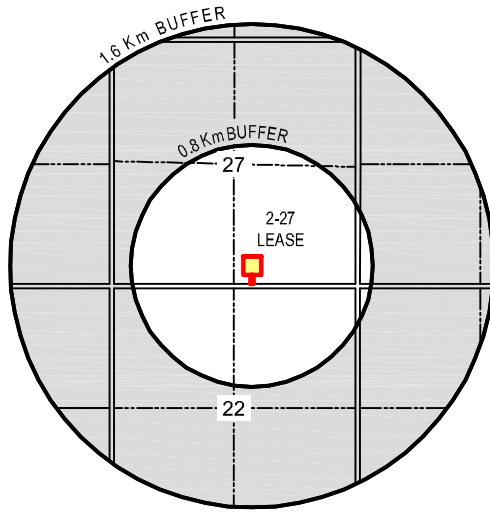
WELL SITE, ACCESS ROAD AND RIGHT OF WAY

WELL SITE SURFACE LOCATION

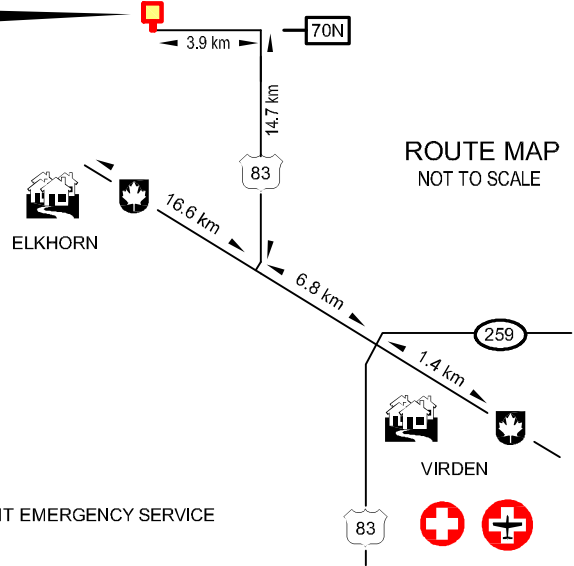
LSD. 2 - SEC. 27 - TWP. 12 - RGE. 27WPM

R.M. of WALLACE

RESIDENCE SKETCH



■ RESIDENCE



ROUTE MAP
NOT TO SCALE

LEGEND

- HOSPITAL
- LIFE FLIGHT EMERGENCY SERVICE
- SECONDARY HIGHWAY
- PRIMARY HIGHWAY
- MUNICIPAL ROAD
- TRANSCANADA HIGHWAY

LEGEND:

Distances are in metres. SCALE: 1:5000

Portions referred to shown thus:

Legal Survey Posts (found / placed)

Planted Wood Hub

Fence Lines

Oil / Gas Lines

Overhead Power Lines

Buried Power Cables

Buried Telecom Cables

Bush

Low Area / Slough

Water Covered Area

Surveyed Well Centre

Standing Well

Producer

Abandoned Producer

Abandoned Dry

Injection Well

Injection Well (Former Producer)

Abandoned Water Injection

Abandoned Water Injection (Former Producer)

Salt Water Disposal

Salt Water Disposal (Former Producer)

Abandoned Salt Water Disposal

Abd. Salt Water Disposal (Former Prod.)

Dual Completion

Abandoned Dual Completion

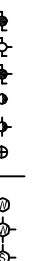
Junked and Abandoned

Surface Location - Horizontal / Directional / Slant

Water Supply Well

Abandoned Water Supply Well

Abandoned Structure Test Hole



OPERATOR:

ELCANO EXPLORATION INC.

WELL LICENCE INFORMATION

THE PROPOSED WELL CENTRE IS:

- | | YES | NO |
|---|-------------------------------------|--------------------------|
| -At least 1.5 km from the Corporate Limits of a City, Town or Village | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| - At least 75m from any shoreline | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| -At least 75m from any Surface Improvements | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| -At least 45m from any surveyed road | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| -At least 75m from any aircraft runway or taxiway | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| -At least 75m from any water well | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| -Approximately 10.3 km from the nearest urban centre (Elkhorn) | | |
| Approximately 2.5 km from the nearest residence (NW¼ 28-12-27WPM) | | |



FACILITIES SHOWN ON THIS PLAN ARE FOR INFORMATIONAL PURPOSES ONLY. PRIOR TO ANY CONSTRUCTION ON LEASE OR ACCESS ROAD, ELCANO EXPLORATION INC., MTS COMMUNICATIONS INC., MANITOBA HYDRO, AND MANITOBA HYDRO-GAS OPERATIONS **MUST** BE CONTACTED FOR LOCATION OF ANY UNDERGROUND FACILITIES THAT MAY EXIST.

There are no surface or underground improvements within 76m of well centre except as shown. OTHER FACILITIES MAY EXIST, OF WHICH WE WERE UNAWARE OF OR UNABLE TO LOCATE.

All distances shown are horizontal and at ground level.

All azimuths are NAD 83 (Zone 14) UTM grid.

The Combined Scale Factor derived is 0.999803

No.	DATE	DESCRIPTION	DWN	CKD
1	Nov. 14, 2012	REVISED OPERATOR NAME AND UPDATED PLAN	CMF	AV
0	Feb. 9, 2012	ISSUED	NS	PFS

REVISIONS

FIELD BOOK
V29
PAGE(S)
N/A

Surveyed by: CF
Drafted by: NS
Checked by: PFS



Toll Free: 1-800-465-6233
www.altusgeomaticsmb.com

27

12-27WPM

1/4 LINE

7 | 8

Fd. 0.025
Sq. I.B.

30.175

1/4 LINE

7

2

7 | 8

2 | 1

8

1

AZ=1°33'30"
835.322

ALLOWANCE

(158W)

ROAD

(UNDEVELOPED)

GOVERNMENT

30.175

LOW WILLOWS

BUSH

OIL TARGET BOUNDARY

BUSH

BUSH

BUSH

BUSH

BUSH

BUSH

GENTLY ROLLING PASTURE

BUSH

BUSH

5m R/W

15m A/R

2 | 1

GOVERNMENT (GRAVEL) ROAD (70N) ALLOWANCE

Fd. 0.025
Sq. I.B.

109.939
AZ=91°35'05"

695.070
AZ=91°35'05"

Fd. 0.025
Sq. I.B.

30.175

TARGET CO-ORDINATES:
WELL CENTRE IS:
20.00 North
20.00 East of SW Corner Oil Target Boundary

GIVEN CO-ORDINATES:
120.00 North
700.00 West
SURVEYED CO-ORDINATES:
120.00 North
685.00 West
REASON FOR MOVEMENT:
TO BE IN TARGET



LOCAL CO-ORDINATES
120.00 N of S }
685.00 W of E } Sec 27

UTM CO-ORDINATES (NAD 83)
5544663.841 N }
350314.695 E } CSRS

UTM CO-ORDINATES (NAD 27)
5544443.716 N }
350343.064 E } CSRS

LATITUDE / LONGITUDE(LL83)
50°02'07.573" }
101°05'24.856" } CSRS

LATITUDE / LONGITUDE(LL27)
50°02'07.561" }
101°05'23.182" } CSRS

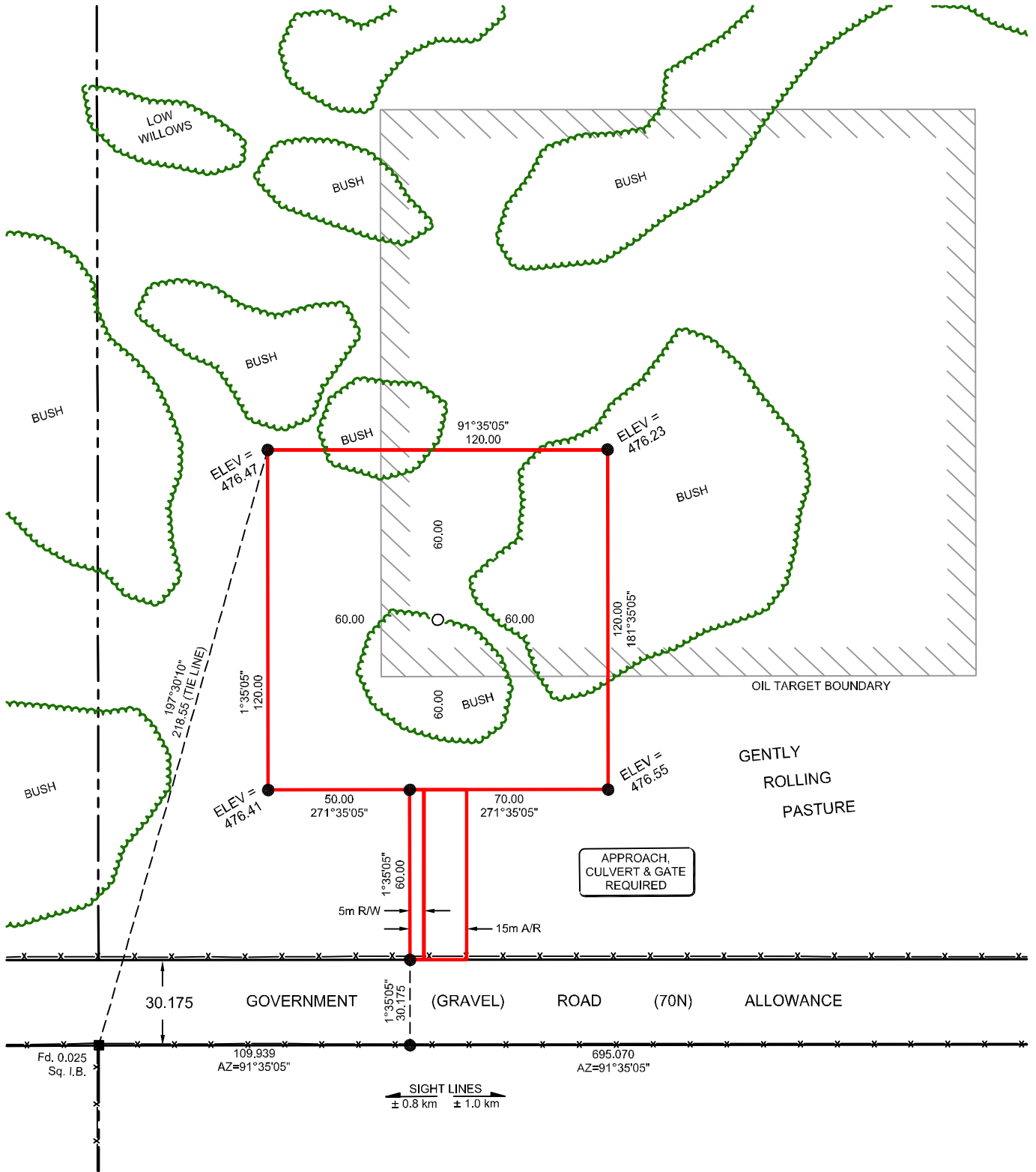
WELL CENTRE ELEVATION: 476.38
Elevations shown are in Geodetic Datum
from the Province of Manitoba Mon.
#82R748

CERTIFICATE OF TITLE
SE 1/4 27-12-27WPM CT No. 1444909/2
OWNERS ALLAN ROBERT SODER
JO-ANNE MARY SODER

AREAS:		
WELL SITE	1.440 ha	3.56 ac
ACCESS ROAD	0.090 ha	0.22 ac
RIGHT OF WAY	0.030 ha	0.07 ac
TOTAL	1.560 ha	3.85 ac

I certify that the survey represented by this plan is correct to the best of my knowledge and was completed on the 7th day of February, 2012.

Ken Baley
MANITOBA LAND SURVEYOR
[Signature]
Witness



DETAIL AT 2-27
SCALE 1:2000