

KB: 690.0 m
 TD: 523.0 m
 Mode: Stand

RR: 2000-12-30.
 Form TD: MCMUI
 Fluid: N/A

ISH KIRBY 12-16-74-7



Company	: ISH ENERGY LTD.
Well	: ISH KIRBY 12-16-74-7
Field	: KIRBY
County	: Alberta
Province	: Alberta
Country	: Canada

Location : UNIQUB WELL IDENTIFIER : 100/12-16-074-07W4/00
 WELL LICENSING NUMBER: 0245557
 LSD : 12 Sect : 16 TWP : 074 Rge : 07W4

Recorded By : ANDREW HADGHIAN
 Witnessed By : TONY TOMASZEWSKI

Date : DEC 29 2000
 Run No. : 1

Permanent Datum : GL
 Drilling Measured From : KB
 Log Measured From : KB
 Above Permanent Datum : 4.0 M

Depth--Driller : 523.0 M
 Depth--Logger : 522.5 M
 Bottom Log Interval : 522.1 M
 Top Log Interval : 35.2 M

Casing Depth--Driller: 88.0 M
 Casing Depth--Logger : 88.4 M
 Casing Diameter : 177.800 mm

Bit Size : 159.000 mm
 Unit No. : 122
 Location : LKDOC

Elevations :
 KB : 700.2 M
 DF : M
 GL : 696.2 M

Additional Services
 CNT
 LDT
 CST

The customer is hereby warned that by providing the log data herein, T. W. S. does not agree to provide log data, conversion of log data to physical rock parameters or recommendations. T. W. S. does not either expressly or impliedly, the accuracy of any interpretation of log data, conversion of log data to meters or recommendations which may be given by T. W. S. personnel. Any interpretation, conversion or part of the consideration for the agreement between the parties and is not part of any part of the charge its services. Any user of the log data is warned that said user is not entitled to rely on interpretation recommendations as aforesaid.

Run Number 1

Depth To Fluid 2.0 M

M-18

DDN0604-01

ALBERTA ENERGY AND UTILITIES BOARD
DATA DISSEMINATION - GENERAL QUERY

16 JUN 2005

WELL ID : 00/12-16-074-07W4/0 ISH KIRBY 12-16-74-7
LICENSE NO. : 0245567 LICENSEE: 01N50 ISH ENERGY LTD
LICENSE DATE: 1 DEC 2000 AGENT :
CONTRACTOR CODE: 0ZM7 RIG NO : 002

BASIC DRILLHOLE DATA

FIELD : 527 KIRBY DEPTHS (M) -----
POOL : TOTAL: 523.00 SS: 167.00
OS AREA : A001 ATHABASCA PB : SS:
DEPOSIT : TVD : SS:
LAHSE CLASS: 00 DEVELOPMENT CONF : (NC)

WELL STATUS: 00 07 00 00
DRL&C
STATUS DATE: 18 JAN 2001

----- DATES -----
SPUD : 22 DEC 2000
FIN-DRILL: 29 DEC 2000
RIG REL. : 30 DEC 2000

--CO-OR-- --LONGITUDE-- --LATITUDE-- --ELEV (M)---
S 650.0 ACT: 111.026984 ACT: 55.411503 GRD: 684.70 ON PROD. :
E 320.1 THE: THE: KB : 690.00 ON INJ. :
CF :

BOTTOM HOLE CO-ORDINATES = SURFACE CO-ORDINATES

WELL LICENCE

LICENCE NO.: 0245567
 WELL NAME : ISH KIRBY 12-16-74-7
 LICENSEE : ISH ENERGY LTD.
 PURPOSE : TO OBTAIN PRODUCTION FROM THE VIKING SANDSTONE.
 SURFACE LOCATION : LSD 12-16-074-07 W4M
 SURFACE CO-ORDINATES: 650.0 METRES SOUTH 320.1 METRES EAST
 (AS MEASURED OR CALCULATED FROM THE EXTERIOR
 BOUNDARIES OF THE QUARTER SECTION)

UNIQUE ID : 100/12-16-074-07W4/00 SURFACE RIGHTS : CROWN
 FIELD : KIRBY MINERAL RIGHTS : CROWN
 LAHEE CLASS: DEV (C) PROJECTED DEPTH : 523 METRES
 AREA OFFICE: BONNYVILLE TERMINATING ZONE: DEVONIAN SYSTEM
 (Ph 780-826-5352) GROUND ELEVATION: 684.7 METRES

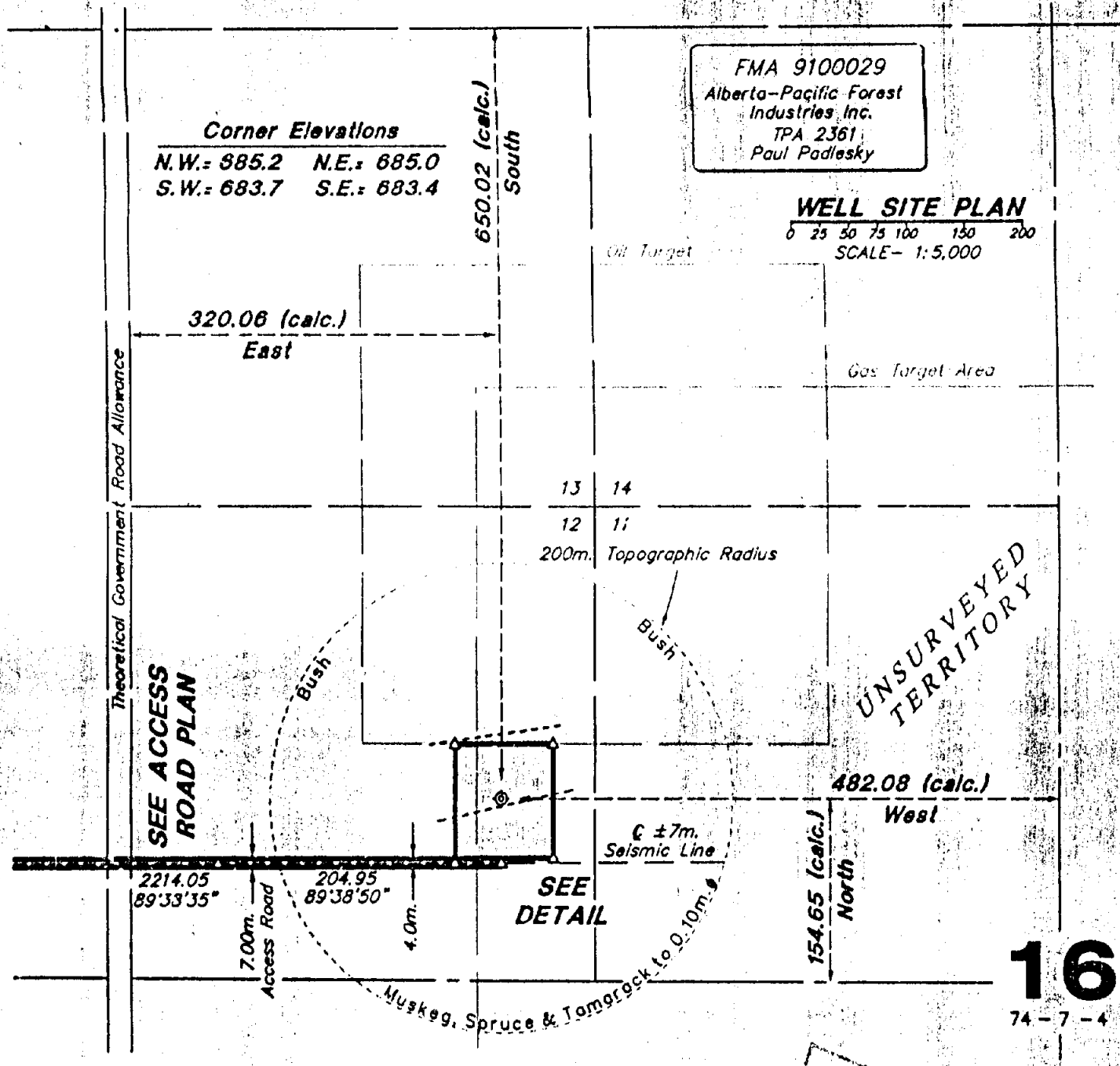
THE LICENSEE SHALL COMPLY WITH THE OIL AND GAS CONSERVATION ACT AND
 REGULATION, THE OIL SANDS CONSERVATION ACT AND REGULATION AND ALL
 APPLICABLE GUIDES AND INTERIM DIRECTIVES PUBLISHED BY THE BOARD.

TO D. Lone
 FAX # 261-5659
 Total Number of Pages. _____
 From: The EUB Applications Section

THIS LICENCE WILL EXPIRE 1 YEAR FROM DATE OF ISSUE IF WELL HAS NOT
 BEEN SPURRED.

DATED AT CALGARY, ALBERTA THIS
 01ST DAY OF DECEMBER 2000

: FOR ALBERTA ENERGY AND UTILITIES BOARD



Plan Showing Survey of
ISH KIRBY 12-16-74-7
 Well Site and Access Road
 in
L.S. 12 Sec. 16 Twp. 74 Rge. 7 W. 4 M.

I, Ed Oh, Alberta Land Surveyor, of Edmonton, Alberta, certify that the survey represented by this plan is true and correct to the best of my knowledge, has been carried out in accordance with the Alberta Land Surveyors' Association Manual of Standard Practice, and was completed on the 24th day of October 2000.

Alberta Land Surveyor
 Witness (Nancy Phung)



EDMONTON
 1-800-465-6233
 E-Mail: allwest@allwest.ca
 CALGARY
 (403) 234-7599



The Proposed Well :

- | | | |
|--|-------------------------------------|--------------------------|
| - Is at least 1.5 km. from the Corporate Limits of a City, Town or Village | YES | NO |
| - Is outside any Potential Coal Development Area | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| - Is at least 100 m. from any Surface Improvements | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| - Is at least 40 m. from any Surveyed Road | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| - Is at least 5.0 km. from a Lighted Aerodrome | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| - Is at least 1.6 km. from an Unlighted Aerodrome | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| - Is exempt from the Alberta Community Development Approval | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| - Meets the Land Reclamation Guidelines (drainage & elevation) | | N/A |

OPERATOR :
ISH ENERGY LTD.

DAVID A. MESSING, C.A.
 YOUNG & RUBICAM

ELEVATION ON GROUND AT WELL LOCATION = 684.71

CO-ORDINATES:

- 650.02 m. S. of N. Bdy } Theor.
 - 320.06 m. E. of W. Bdy } Sec. 16
 13934.68 N. } N.E. 33-72-7-4
 1284.22 W. }

GEO Co-ordinates UTM Co-ordinates

55°24'41.5" Latitude } NAD 83 { 6140588.26 N.
 111°01'37.2" Longitude } { 498289.84 E.
 55°24'41.1" Latitude } NAD 27 { 6140359.58 N.
 111°01'34.0" Longitude } { 498346.84 E.

Well Center and Geographic Co-ordinates are calculated using A.T.S. digital file dated December, 1995.

AREAS:

	HECTARES	ACRES
Well Site	0.808	2.00
Access Road	1.781	4.40
Total	2.589	6.40

Bearings are referred to the Central Meridian through Twp. 74 Rge. 7 W. 4 M.

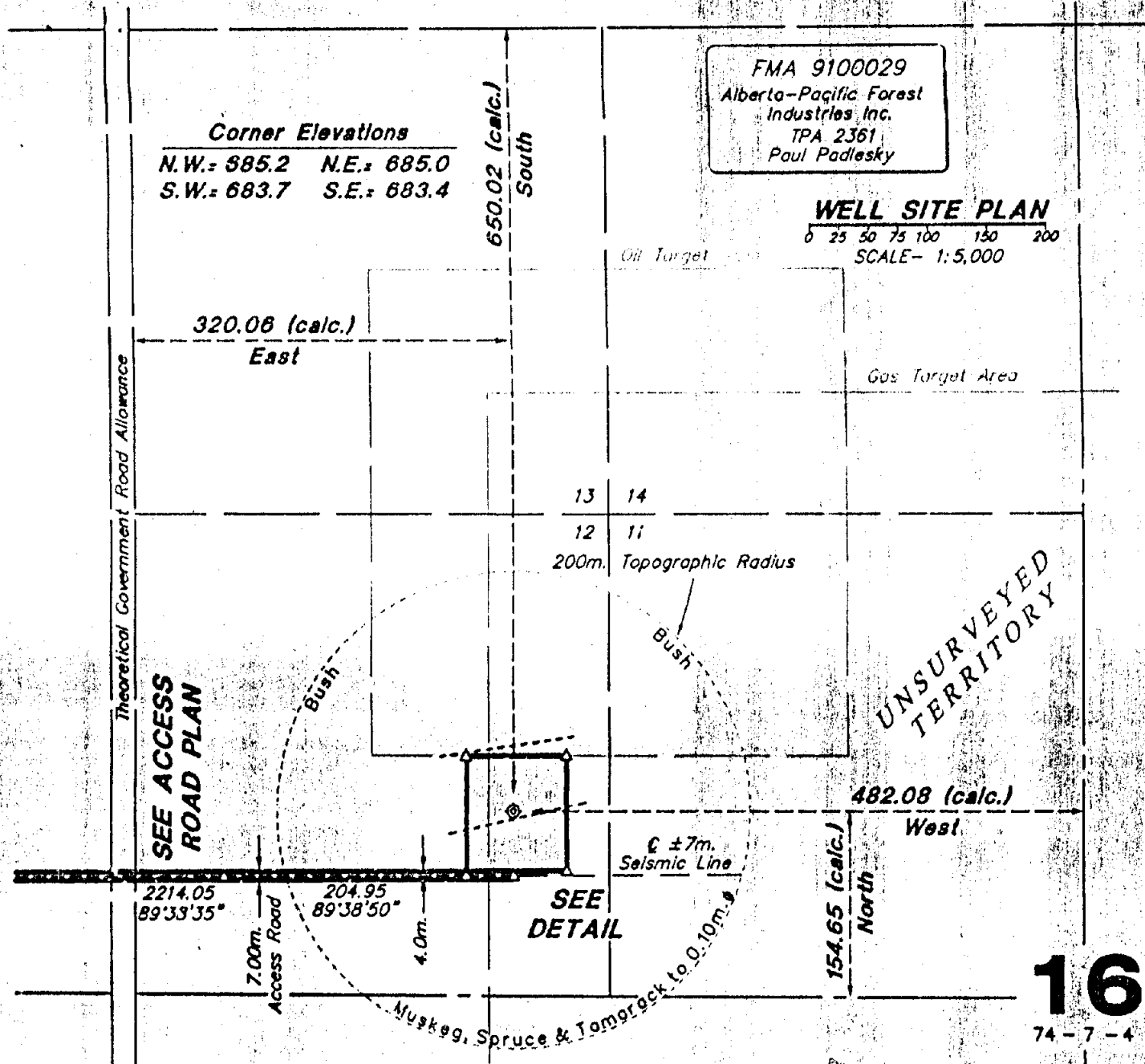
Datum: Stn. 83 WS 124054 Elev. = 702.49

- Survey monuments found shown thus : ●
 Iron Spikes placed shown thus : ▲
 Wooden Stakes placed shown thus : □
 Calculated Point shown thus : ◻
 Portions referred to outlined thus : —
 Distances are in metres.

REV. REVISION:

DATE: Nov. 3, 2000. JOB No.: 000769-E

R.G.-N.P.-E.O.



16
74-7-4

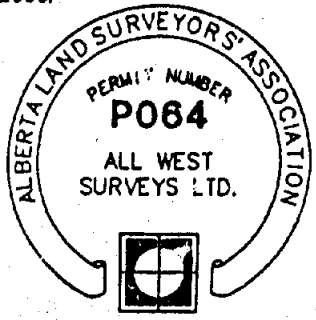
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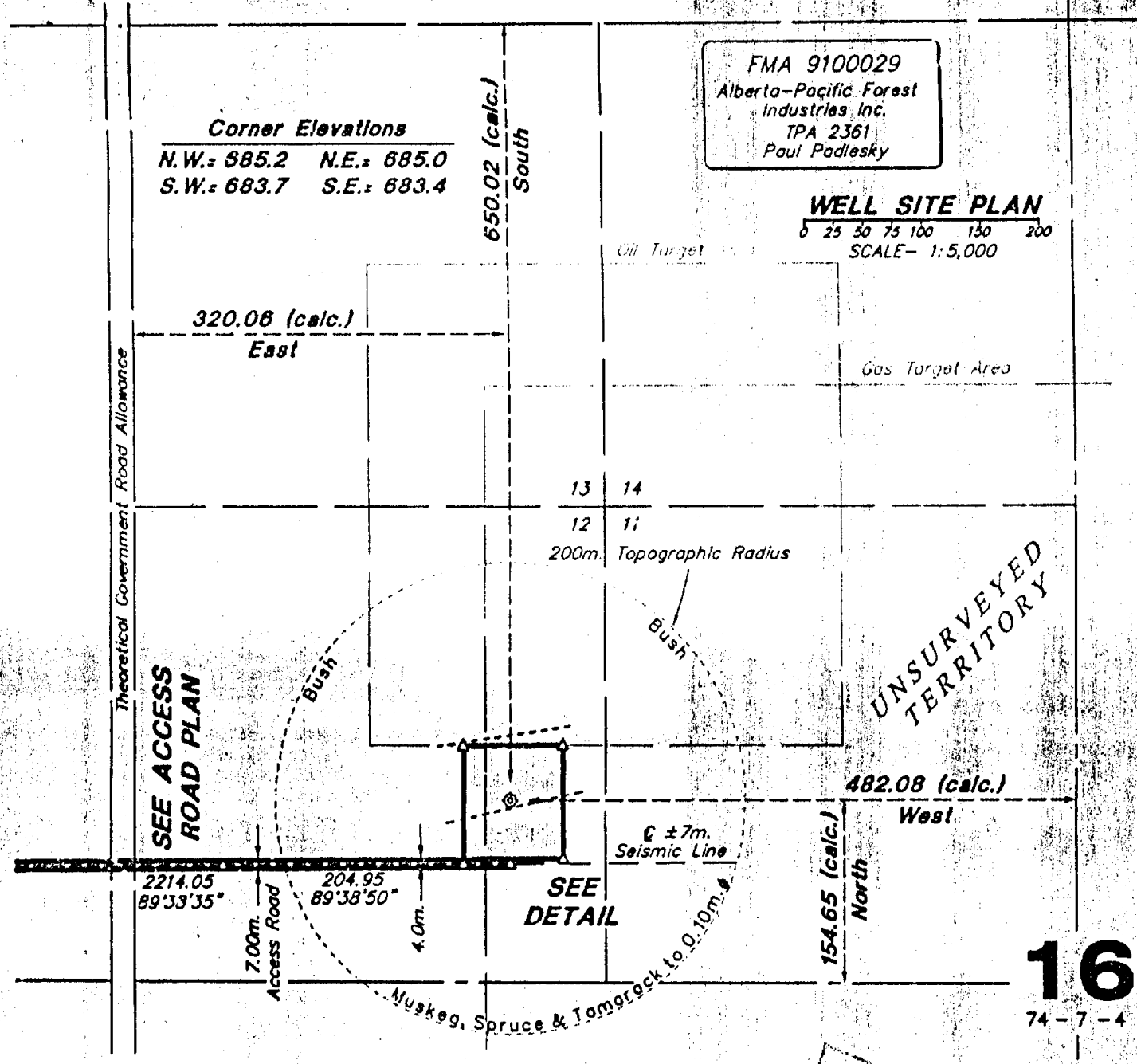
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| - Meets the Land Reclamation Guidelines (drainage & elevation) | | N/A |

OPERATOR :
ISH ENERGY LTD.

DAVID A. MEDDINE, CA
 VICE PRESIDENT

REV. REVISION:
 DATE: Nov. 3, 2000. JOB No.: 000769-E
 R.G.-N.P.-E.O.



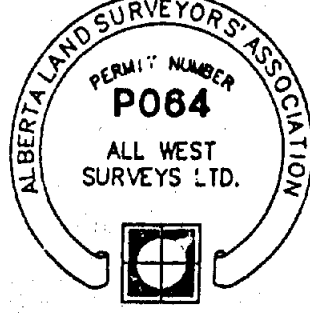
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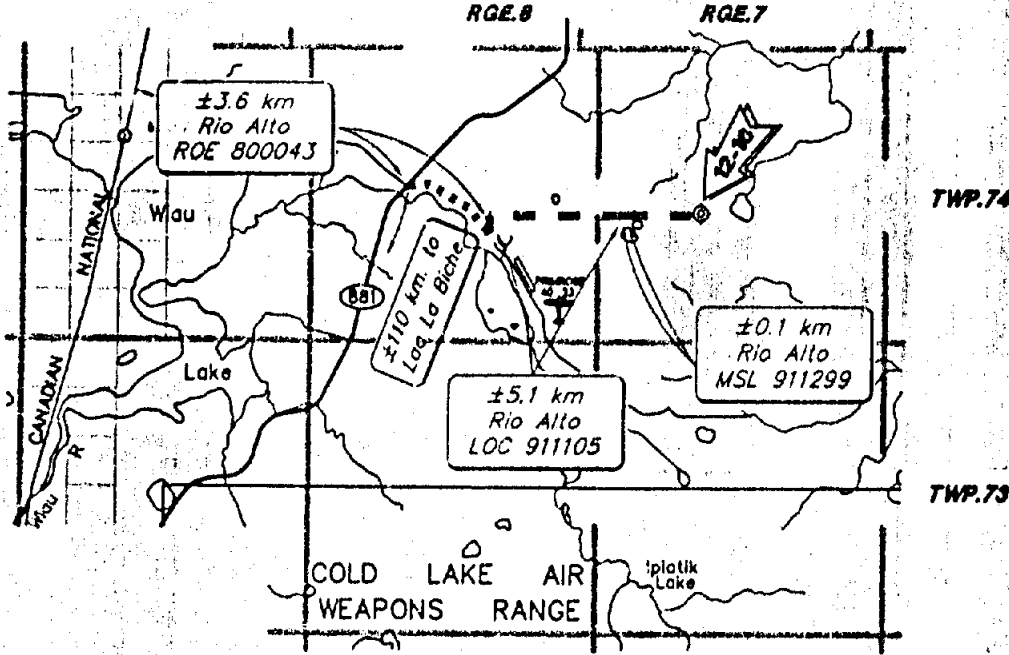
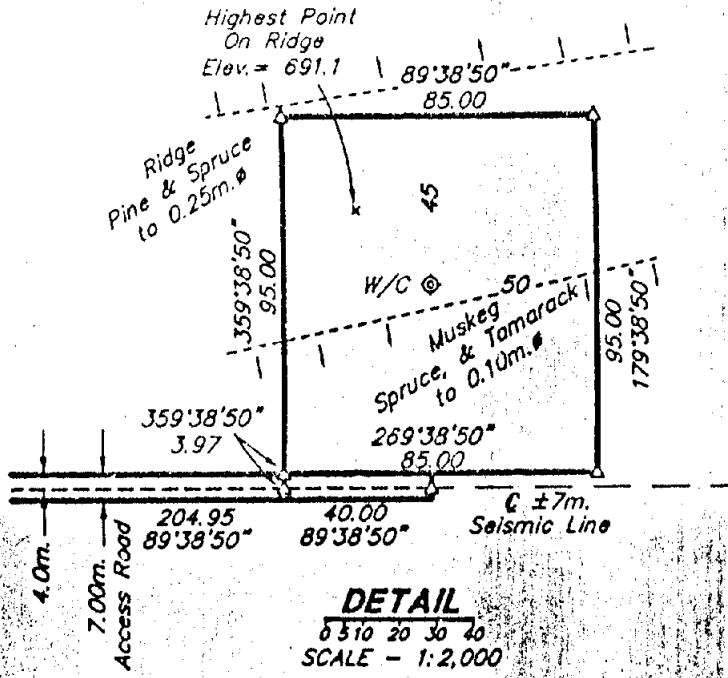
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OPERATOR :
ISH ENERGY LTD.

DAVID A. MICHINS, C.A.
 V.P. & REGISTRAR

REV. REVISION:
 DATE: Nov. 3, 2000. JOB No.: 000769-E



Plan #:

Version:

File:

NOTES:

1. The closest urban center is the Town of Lac La Biche ±91.5 km. S.W. of the well center.
2. To our best knowledge the closest known permanently occupied dwelling is ±6.2 km. S.W. of the well center.
3. No seismic evidence was found at the time of survey.
4. There are no existing dwellings within 1.5 km of the well center.

TECHNICAL SERVICES

REV. REVISION:

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JOB No.: 000769-E