



**MEAGER CREEK DEVELOPMENT CORPORATION**  
(A subsidiary of WESTERN GEOPower Corp.)

**South Meager Geothermal Project,  
British Columbia**

**WELL MC-7**

a-92-A / 92-J-12 (MC-7)

**(Daily Drilling Reports  
And Other Well Data)**

**Program Name: WGP2004**

# 411-837 West Hastings Street  
Vancouver, BC V6C 3N6 Canada  
Ph: 604- 662 3338 Fax: 604 646 6603

## **Table of Contents**

**Section 1:** General Well Data:

- Summary of Well Data: MC-7
- Project Location Map
- Well Site Location Map
- Borehole Schematic
- Days Vs Depth Graph (Drilling days)

**Section 2:** Daily Drilling Reports, (CAODC Tour Sheets)

**Section 3:** Directional Survey Report; (Baker Hughes INTEQ)

**Section 4:** Casing Reports, (RIMBase Files)

**Section 5:** Cementing Report; (Halliburton)

**Section 6:** Operations Time Analysis, (RIMBase Files):

- Operations Time Analysis Data
- Operations Time Chart

**Section 7:** MC-7 Wellhead (Shut-in; October, 2005)

## **Section 1: General Well Data; MC-7,**

- *Summary of Well Data: MC-7*
- *Project Location Map*
- *Well Site Location Map*
- *Borehole Schematic*
- *Days Vs Depth Graph*

**SUMMARY OF WELL DATA: MC-7**

<u>Program Name:</u>	WGP2004	<u>Well Authorization No.:</u>	MC-7
<u>Well ID.:</u>	a-92-A / 92-J-12 (MC-7)	<u>Well Classification:</u>	<b>GEO THERMAL</b>
<u>Province:</u>	British Columbia	<u>District:</u>	Squamish - Lillooet
		<u>Field:</u>	South Meager Geothermal Project
<u>Operator:</u>	Meager Creek Development Corporation	<u>Contractor:</u>	Precision Drilling
		<u>Rio No.:</u>	Rig #620TE
<u>Coords. (NAD83-UTM-10U):</u>	463,229.46mE 5,603,032.90mN	<u>Geographic Location:</u>	LAT: N 50° 34' 40.9803" LONG: W 123° 31' 09.9584"
<u>Site Elevation:</u>	1,365 m (Above MSL)	<u>RKB to Ground Level (GL):</u>	7.32 m
<u>Date Spudded:</u>	01 December, 2004; (16:00 hrs.)	<u>Days Drilling:</u>	64 days
<u>Date Completed (TD):</u>	02 February, 2005; (21:00 hrs.)	<u>Days to Rio Release:</u>	69 days
<u>Rio Released:</u>	08 February, 2005; (00:00 hrs.)		
<u>Total Drilled Depth (TD):</u>	3,291 m RKB	<u>True Vertical Depth (TVD):</u>	2,984.27 m RKB
<u>Top of Liner:</u>	(No liner installed)	<u>Static Water Level:</u>	~ 550 m RKB

<u>Directional Information:</u>	<u>KOP:</u> 880 m RKB *	<u>Build Up Rate:</u>	2.0' per 30 meters
	<u>Azimuth:</u> 330°	<u>End of Build:</u>	1,196.72 m RKB; (1,172.74m TVD)
	<u>Inclination:</u> 30°	<u>Max. Inclination:</u>	31.9° @ 3,033.0 m RKB

Note\*: Tied on to survey at 607.2 mRKB (Inc. 7.65°/Az 334.98°); built to Inc 9°; EOB at 630.1 mRKB (Inc 9.0°/AZ 330.0°); held Inc 9.0° to KOP at 880.0 mRKB; resumed BUR 2°/30 m to EOB at 1,196.72 mRKB (Inc. 30.1°/Az 329.8°)

<u>Bottom hole position:</u>	W 562.19 m; N 1,073.87 m	<u>Vertical Section:</u>	1,212.12 m, (Azimuth 332.37°)
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(Extrapolated to TD)

<u>Hole Sizes:</u>	<u>Size</u>	<u>Depth</u>	<u>Comment</u>
	711.2 mm* / (28")	to 52.4 m (G.L.)	(Top-holed; Schramm T685WS air rotary rig, w/ODEX casing system)
	609.0 mm / (24")	to 134.0 m RKB	(Pre-drilled 609 mm hole w/air hammer to 83.8 mGL; Schramm T685WS rig)
	444.5 mm / (17-1/2")	to 874.0 m RKB	
	311.2 mm / (12-1/4")	to 3,291.0m RKB	

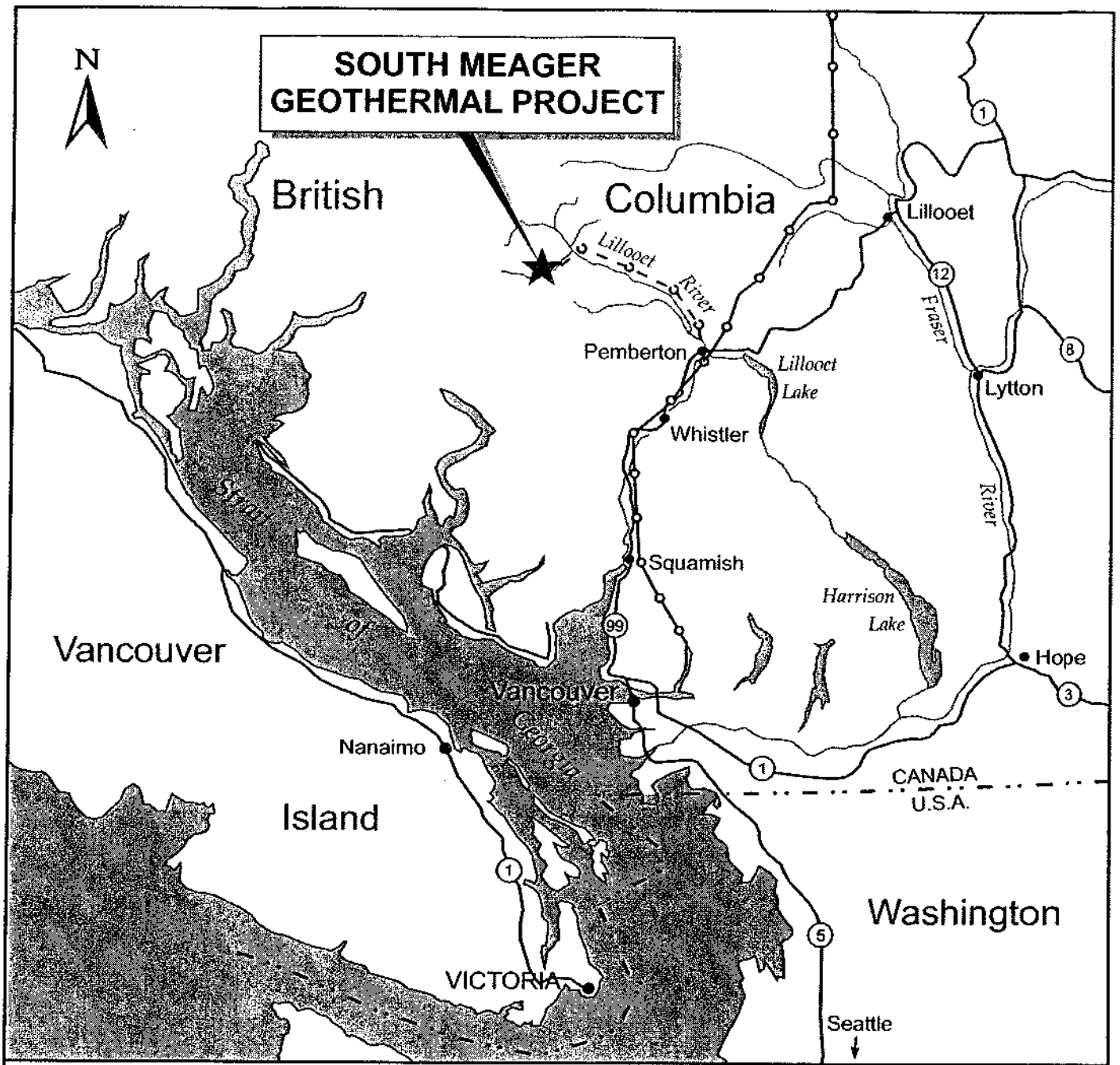
(\*: Top-holing completed by Midnight Sun Drilling Co. Ltd., Sept. 02-11, 2004, prior to arrival of Precision Drilling, Rig #620TE)

<u>Casing:</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Thread</u>	<u>Range / Type</u>	<u>Depth</u>	<u>Comment</u>
	9 jnts. x 711.2 mm / (28")	172.00 kg/m	L-80	Weld	/ Smls	to 52.4 m (G.L.)	(Pre-installed)
	10 jnts. x 473.0 mm / (18-5/8")	130.21 kg/m	K-55	BTC	Rg3 / Smls	to 129.0 m RKB	Cemented to surface
	68 jnts. x 339.7 mm / (13-3/8")	107.14 kg/m	L-80	BTC	Rg3 / Smls	to 870.0 m RKB	Cemented to surface

Cement Plugs: None

General Summary of Lithologies: (All depths measured depth, mRKB)

0 - 310m:	Volcanics, (tuff breccia)
310 - 840m:	Quartz diorite
840 - 1,160m:	Propylitic Quartz Diorite, w/minor volcanics
1,160 - 1,250m:	Metasedimentary sequence
1,250 - 1,370m:	Altered volcanics
1,370 - 2,050m:	Metasedimentary sequence
2,050 - 2,410m:	Quartz Diorite
2,410 - 3,060m:	Metasedimentary sequence
3,060 - 3,291mTD:	Hornblende Biotite Quartz Diorite



**SOUTH MEAGER  
GEOTHERMAL PROJECT**

British

Columbia

Lillooet

Pemberton

Lillooet Lake

Whistler

Squamish

Harrison Lake

Vancouver

Vancouver

Nanaimo

Island

CANADA  
U.S.A.

Washington

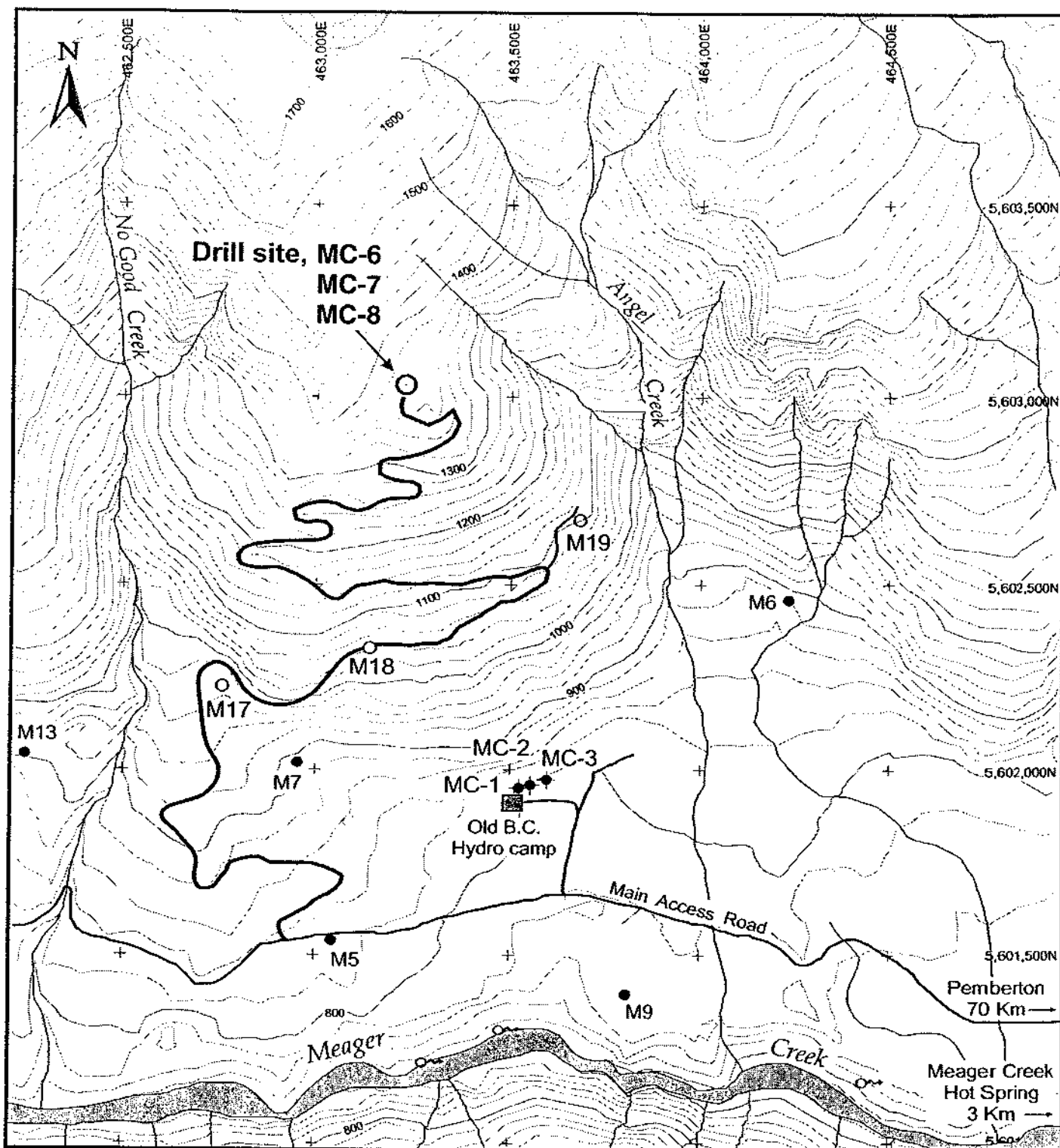
Seattle

**LEGEND**

- Existing main transmission line
- Meager transmission intertie
- Highway

0 50  
Kilometres

**Location: South Meager Geothermal Project**



## Drill hole locations, South Meager Geothermal Project

### LEGEND

- Diamond drill hole (B.C. Hydro)
- Test hole (Meager Creek Dev. Corporation)
- ◆ Deep rotary drill hole (B.C. Hydro)
- Planned deep rotary drill hole (Meager Creek Dev. Corporation)

○ Warm spring

▨ Moraine

Metres

0 100 200 300 400 500

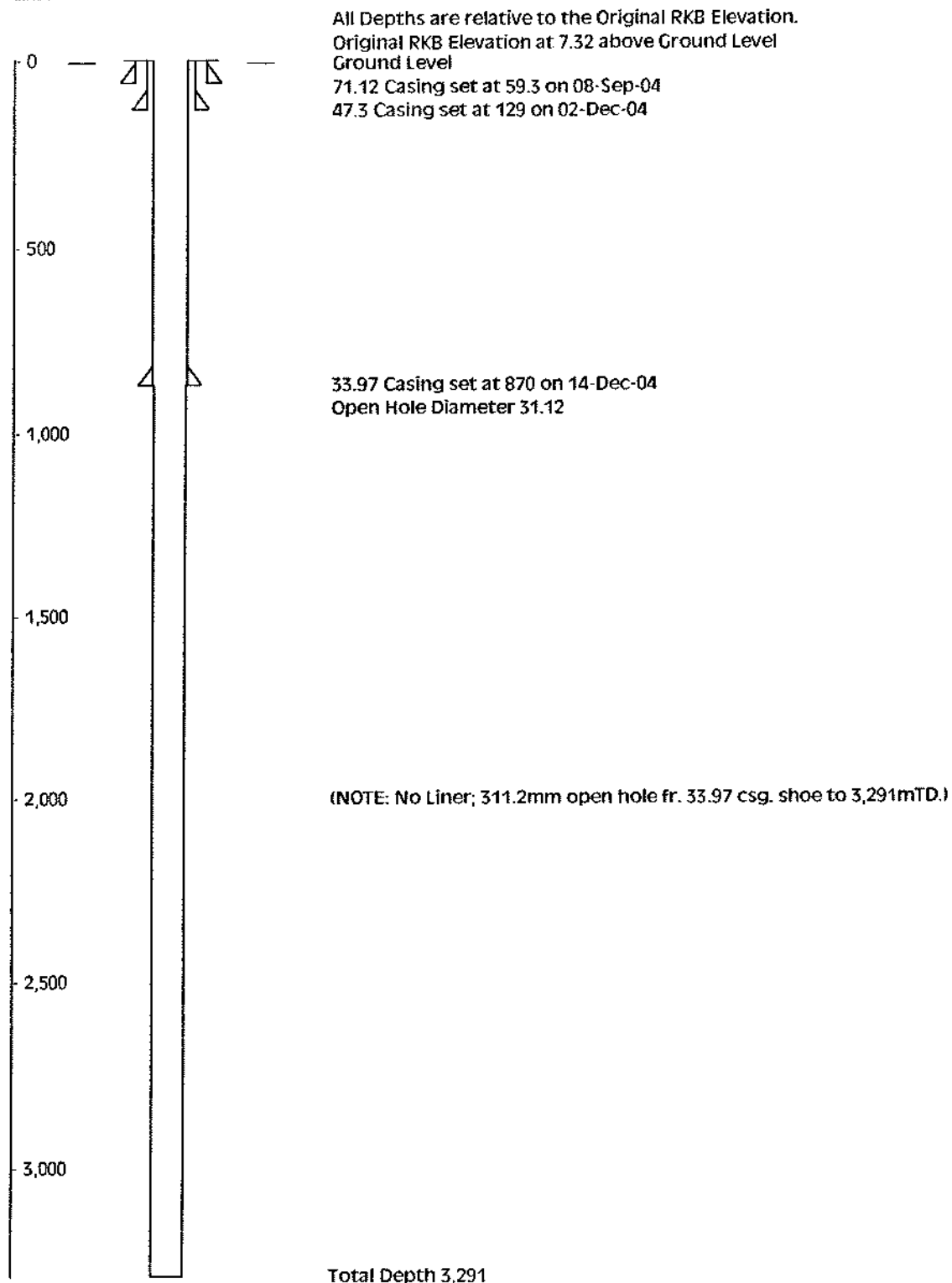
# Borehole Schematic

Meager Creek Development Corp.

Well ID: MC-7

Well Name: South Meager MC-7

Well Bore: MC-7

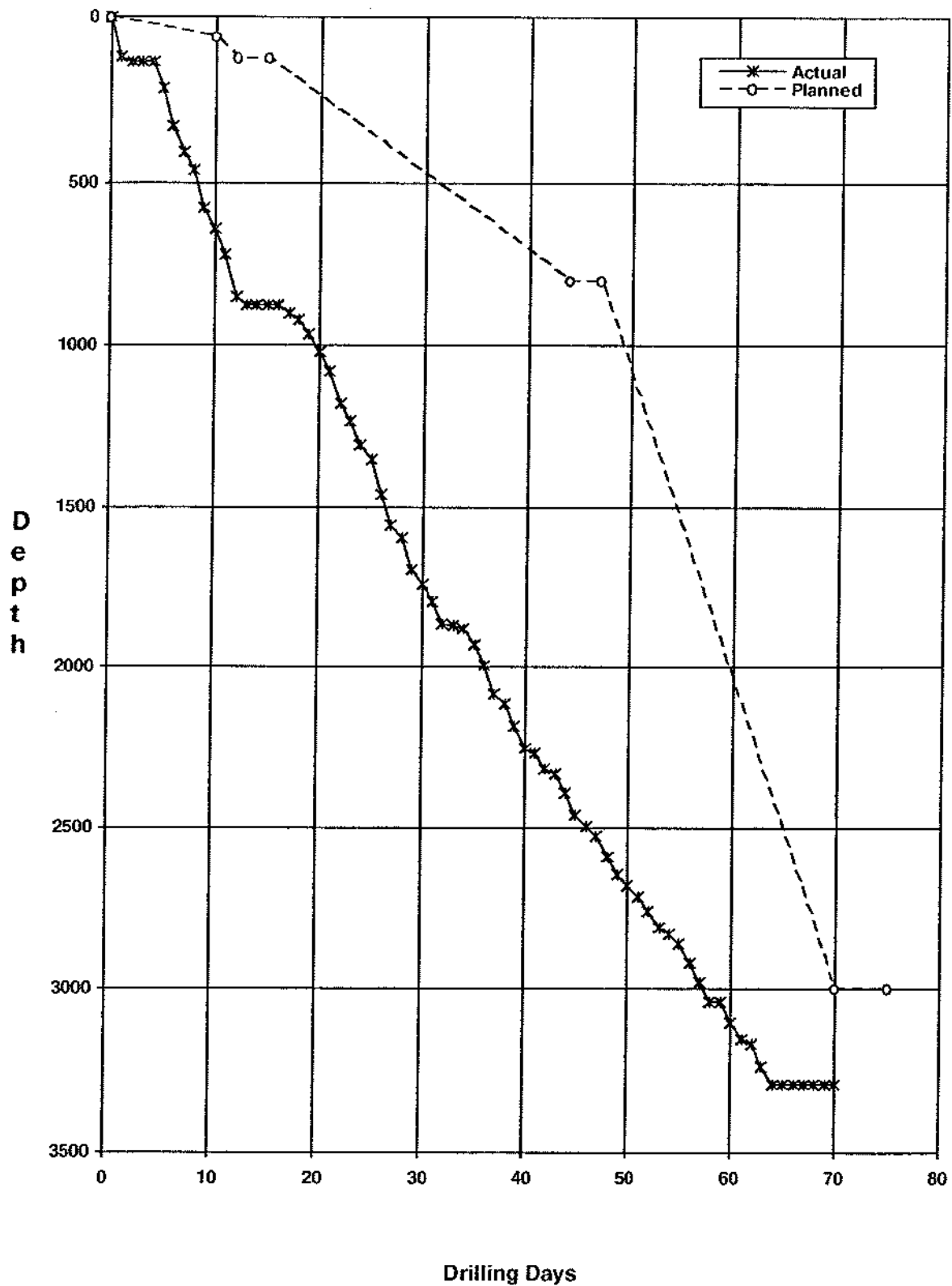


# Days Vs Depth Graph

MC-7

Meager Creek Development Corp.

Well Name: South Meager MC-7







## **Section 2: Daily Drilling Reports; CAODC Tour Sheets**

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**Aliment**

**Based on the CAODC ETS file standard**

U. S. DEPARTMENT OF AGRICULTURE  
BUREAU OF PLANT INDUSTRY  
WASHINGTON, D. C. 20250

[illegible]



**Chimo  
Equipment.**  
A Varto Company

**Based on the CAODC ETS file standard**

[illegible]





Based on the CAADC ETS file standard

GENERAL INFORMATION										OPERATIONAL DATA										LOGS										DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS										DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS									
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<b>OPERATOR</b> Western Gaspower Corp <b>CONTRACTOR</b> Western Gaspower Corp <b>WELL NAME</b> NO. 100 <b>WELL NO.</b> NO. 100 <b>DATE</b> 10-11-20 <b>TIME</b> 08:00										<b>TIME LOG</b> <table border="1"> <thead> <tr> <th>TIME</th> <th>LOCATION</th> <th>WELL NAME</th> <th>WELL NO.</th> </tr> </thead> <tbody> <tr> <td>08:00</td> <td>NO. 100</td> <td>NO. 100</td> <td>NO. 100</td> </tr> <tr> <td>08:05</td> <td>NO. 100</td> <td>NO. 100</td> <td>NO. 100</td> </tr> <tr> <td>08:10</td> <td>NO. 100</td> <td>NO. 100</td> <td>NO. 100</td> </tr> <tr> <td>08:15</td> <td>NO. 100</td> <td>NO. 100</td> <td>NO. 100</td> </tr> <tr> <td>08:20</td> <td>NO. 100</td> <td>NO. 100</td> <td>NO. 100</td> </tr> <tr> <td>08:25</td> <td>NO. 100</td> <td>NO. 100</td> <td>NO. 100</td> </tr> <tr> <td>08:30</td> <td>NO. 100</td> <td>NO. 100</td> <td>NO. 100</td> </tr> <tr> <td>08:35</td> <td>NO. 100</td> <td>NO. 100</td> <td>NO. 100</td> </tr> <tr> <td>08:40</td> <td>NO. 100</td> <td>NO. 100</td> <td>NO. 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**CETS file 5**

[illegible]

[illegible]







**Based on the CAODC ETS file standard**

[illegible]





**Based on the CAODC ETS file standard**

3 SERIAL NUMBER: PREC 020 "2004114\_1A"







Based on the CAODC ETS file standard

RE-ENTRY ☐ YES ☒ NO HAS NO DRIVING ELEV.

[illegible]

[illegible]





**Based on the CAODC ETS file standard**

[illegible]





















**Based on the CAODC ETS file standard**

Page 1 of 1

**Chimo Equipment**  
(A VESCO COMPANY)

**CAODC**

Based on the CAODC ETS file standard

DATE: 28-Dec-2024  
TIME: 08:00  
LOCATION: 1234567890  
OPERATOR: VESCO  
DRIVER: J. Smith  
SAFETY: 1234567890

WELL TYPE: Geothermal  
REMARKS: 1234567890

WELL NO: 1234567890  
DATE: 28-Dec-2024  
TIME: 08:00  
LOCATION: 1234567890  
OPERATOR: VESCO  
DRIVER: J. Smith  
SAFETY: 1234567890

WELL NO: 1234567890  
DATE: 28-Dec-2024  
TIME: 08:00  
LOCATION: 1234567890  
OPERATOR: VESCO  
DRIVER: J. Smith  
SAFETY: 1234567890

WELL NO: 1234567890  
DATE: 28-Dec-2024  
TIME: 08:00  
LOCATION: 1234567890  
OPERATOR: VESCO  
DRIVER: J. Smith  
SAFETY: 1234567890

**Based on the CAODC ETS file standard**

[illegible]





**13043**

[illegible]



**Chimo  
Equipment.**  
A Vardo Company

Based on the CAODC ETS file standard

NAME & No.	DATE	NO TO SURROUND E.A.V.
Thermal	RESEARCH	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

[illegible]







RE-ENTRY	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	ALL INFORMATION ON THIS FORM IS UNCLASSIFIED BY DATE 06-08-2009 BY SP-6 BTJ/KJS
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[illegible]





**Based on the CAODC ETS file standard**

[illegible]









ard

[illegible]



**Based on the CAODC ETS file standard**

RE-ENTRY	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	FOR DISCARDING ONLY
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[illegible]





Based on the CAODC ETS file standard

ALL TYPE	RE-ENTRY	DOB TO CIRCUIT ELEV.
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[illegible]





**Chino  
Equipment**  
A Varsco Company

**Based on the CAODC ETS file standard**

RE-ENTRY	10-11-50	44 TO QUARD ELEV.	7 20
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[illegible]

118090.D.D. FULL ON BOTTOM (ml)

ITS SERIAL NUMBER: PREC620\_2005001Z\_1A





**Based on the CAODC ETS file standard**





# Champion Equipment

Based on the CAODC ETS file standard

[illegible]

ETS SERIAL NUMBER: PREC820\_20050015\_1A







Based on the CAODC ETS file standard

Form containing various sections: OPERATOR, CONTRACTOR, DATE, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REPAIRS, and multiple tables for recording data.



**Based on the CAODC ETS file standard**

Page 1 of 1

Based on the CAODC ETS file standard

Chimo Equipment  
LA Vercos Company

CAODC  
CAODC ETS

Based on the CAODC ETS file standard

Chimo Equipment  
LA Vercos Company

CAODC  
CAODC ETS

Based on the CAODC ETS file standard

Chimo Equipment  
LA Vercos Company

CAODC  
CAODC ETS

Based on the CAODC ETS file standard

Chimo Equipment  
LA Vercos Company

CAODC  
CAODC ETS

Based on the CAODC ETS file standard

Chimo Equipment  
LA Vercos Company

CAODC  
CAODC ETS

Based on the CAODC ETS file standard

Chimo Equipment  
LA Vercos Company

CAODC  
CAODC ETS

Based on the CAODC ETS file standard

Chimo Equipment  
LA Vercos Company

CAODC  
CAODC ETS

Based on the CAODC ETS file standard

Chimo Equipment  
LA Vercos Company

CAODC  
CAODC ETS

Based on the CAODC ETS file standard

Chimo Equipment  
LA Vercos Company









**China  
Equipment**  
A Varco Company

**Based on the CAODC ETS file standard**

TYPE of PROPERTY

[illegible]



Based on the CAODC ETS file standard

RE-ENTRY	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	ART 18 COMPLAINT D1 BN
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[illegible]







**Based on the CAODC ETS file standard**

TELL TYPE	ARE ENTRY	MB TO GROUND RELY.
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[illegible]







TS SERIAL NUMBER: PREC82D 20050102\_1A



**Based on the CAQDC ETS file standard**

1. TYPE INTERNAL	RE-ENTRY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	REL TO OPPOING ELEV.
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TS SERIAL NUMBER: PREC82D\_20050103\_1A



**Chimo  
Equipment**  
A Varco Company

Based on the CAODC ETS file standard

DATE	MSB TO GROUND ELEV.
<input type="checkbox"/> YES <input type="checkbox"/> NO	NE-SHIFT

PROJECT INFORMATION										CLIENT INFORMATION										OPERATIONAL DATA										LOGS									
PROJECT NAME					PROJECT NO.					CLIENT NAME					CLIENT NO.					DATE					TIME					LOCATION					DEPTH				
WATER TREATMENT PLANT					123456789					ABC COMPANY					123456789					10/10/2023					08:00					100m					100m				
<b>WATER TREATMENT PLANT</b> 123456789 ABC COMPANY 123456789 10/10/2023 08:00 100m										<b>CLIENT INFORMATION</b> ABC COMPANY 123456789 10/10/2023 08:00 100m										<b>OPERATIONAL DATA</b> 123456789 ABC COMPANY 123456789 10/10/2023 08:00 100m										<b>LOGS</b> 123456789 ABC COMPANY 123456789 10/10/2023 08:00 100m									
<b>WATER TREATMENT PLANT</b> 123456789 ABC COMPANY 123456789 10/10/2023 08:00 100m										<b>CLIENT INFORMATION</b> ABC COMPANY 123456789 10/10/2023 08:00 100m										<b>OPERATIONAL DATA</b> 123456789 ABC COMPANY 123456789 10/10/2023 08:00 100m										<b>LOGS</b> 123456789 ABC COMPANY 123456789 10/10/2023 08:00 100m									



**Based on the CAODC ETS file standard**

[illegible]



Based on the CAODC ETS file standard

WELL TYPE Geothermal	RE-ENTRY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	NEED TO OBTAIN ELEV
-------------------------	---	---------------------

[illegible]







**Based on the CAODC ETS file standard**

7-20	DATE	7-20
AC-ENTR-EM	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	ADJ. CHARGE ON BUD.
FRUSTRATED TALL T		

[illegible]









Based on the CAADC ETS file standard

GENERAL INFORMATION									
DATE	TIME	LOCATION	WELL NAME	WELL NO.	WELL TYPE	WELL STATUS	WELL DEPTH	WELL DIAMETER	WELL LENGTH
12-Feb-2003	08:00	MC-7	MC-7	1000	DRILLER	1000	1000	1000	1000
<p>DRILLER: 10000 DRILLER</p> <p>WELL NAME: MC-7</p> <p>WELL NO.: 1000</p> <p>WELL TYPE: DRILLER</p> <p>WELL STATUS: 1000</p> <p>WELL DEPTH: 1000</p> <p>WELL DIAMETER: 1000</p> <p>WELL LENGTH: 1000</p>									
DETAILS OF OPERATIONS IN SEQUENCE AND RETURN									
TIME	DEPTH	WELL NAME	WELL NO.	WELL TYPE	WELL STATUS	WELL DEPTH	WELL DIAMETER	WELL LENGTH	WELL STATUS
08:00	1000	MC-7	1000	DRILLER	1000	1000	1000	1000	1000
<p>DRILLER: 10000 DRILLER</p> <p>WELL NAME: MC-7</p> <p>WELL NO.: 1000</p> <p>WELL TYPE: DRILLER</p> <p>WELL STATUS: 1000</p> <p>WELL DEPTH: 1000</p> <p>WELL DIAMETER: 1000</p> <p>WELL LENGTH: 1000</p>									
DETAILS OF OPERATIONS IN SEQUENCE AND RETURN									
TIME	DEPTH	WELL NAME	WELL NO.	WELL TYPE	WELL STATUS	WELL DEPTH	WELL DIAMETER	WELL LENGTH	WELL STATUS
08:00	1000	MC-7	1000	DRILLER	1000	1000	1000	1000	1000
<p>DRILLER: 10000 DRILLER</p> <p>WELL NAME: MC-7</p> <p>WELL NO.: 1000</p> <p>WELL TYPE: DRILLER</p> <p>WELL STATUS: 1000</p> <p>WELL DEPTH: 1000</p> <p>WELL DIAMETER: 1000</p> <p>WELL LENGTH: 1000</p>									

CHINQIETS SOFTWARE VERSION:









SB-85	27.00	144.00	5"XH	150 F-1600	BPMNG
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[illegible]

[illegible]

THIS SERIAL NUMBER: PNF-C820\_20050115\_1A

Based on the CAODC ETS file standard

[illegible]





**Chimo Equipment**  
A Venco Company

Based on the CAADC ETS file standard

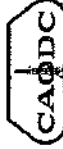
GENERAL INFORMATION										WELL INFORMATION										LOG INFORMATION										OPERATOR INFORMATION										DATE INFORMATION									
WELL					LOG					OPERATOR					DATE					WELL					LOG					OPERATOR					DATE														
WELL NO.	WELL NAME	WELL TYPE	WELL STATUS	WELL COMMENTS	LOG NO.	LOG NAME	LOG TYPE	LOG STATUS	LOG COMMENTS	OPERATOR NO.	OPERATOR NAME	OPERATOR TYPE	OPERATOR STATUS	OPERATOR COMMENTS	DATE NO.	DATE NAME	DATE TYPE	DATE STATUS	DATE COMMENTS	WELL NO.	WELL NAME	WELL TYPE	WELL STATUS	WELL COMMENTS	LOG NO.	LOG NAME	LOG TYPE	LOG STATUS	LOG COMMENTS	OPERATOR NO.	OPERATOR NAME	OPERATOR TYPE	OPERATOR STATUS	OPERATOR COMMENTS	DATE NO.	DATE NAME	DATE TYPE	DATE STATUS	DATE COMMENTS										
2004-11-00-00	WELL NAME	WELL TYPE	WELL STATUS	WELL COMMENTS	LOG NO.	LOG NAME	LOG TYPE	LOG STATUS	LOG COMMENTS	OPERATOR NO.	OPERATOR NAME	OPERATOR TYPE	OPERATOR STATUS	OPERATOR COMMENTS	DATE NO.	DATE NAME	DATE TYPE	DATE STATUS	DATE COMMENTS	2004-11-00-00	WELL NAME	WELL TYPE	WELL STATUS	WELL COMMENTS	LOG NO.	LOG NAME	LOG TYPE	LOG STATUS	LOG COMMENTS	OPERATOR NO.	OPERATOR NAME	OPERATOR TYPE	OPERATOR STATUS	OPERATOR COMMENTS	DATE NO.	DATE NAME	DATE TYPE	DATE STATUS	DATE COMMENTS										
2004-11-00-00	WELL NAME	WELL TYPE	WELL STATUS	WELL COMMENTS	LOG NO.	LOG NAME	LOG TYPE	LOG STATUS	LOG COMMENTS	OPERATOR NO.	OPERATOR NAME	OPERATOR TYPE	OPERATOR STATUS	OPERATOR COMMENTS	DATE NO.	DATE NAME	DATE TYPE	DATE STATUS	DATE COMMENTS	2004-11-00-00	WELL NAME	WELL TYPE	WELL STATUS	WELL COMMENTS	LOG NO.	LOG NAME	LOG TYPE	LOG STATUS	LOG COMMENTS	OPERATOR NO.	OPERATOR NAME	OPERATOR TYPE	OPERATOR STATUS	OPERATOR COMMENTS	DATE NO.	DATE NAME	DATE TYPE	DATE STATUS	DATE COMMENTS										
2004-11-00-00	WELL NAME	WELL TYPE	WELL STATUS	WELL COMMENTS	LOG NO.	LOG NAME	LOG TYPE	LOG STATUS	LOG COMMENTS	OPERATOR NO.	OPERATOR NAME	OPERATOR TYPE	OPERATOR STATUS	OPERATOR COMMENTS	DATE NO.	DATE NAME	DATE TYPE	DATE STATUS	DATE COMMENTS	2004-11-00-00	WELL NAME	WELL TYPE	WELL STATUS	WELL COMMENTS	LOG NO.	LOG NAME	LOG TYPE	LOG STATUS	LOG COMMENTS	OPERATOR NO.	OPERATOR NAME	OPERATOR TYPE	OPERATOR STATUS	OPERATOR COMMENTS	DATE NO.	DATE NAME	DATE TYPE	DATE STATUS	DATE COMMENTS										

**based on the CAODC ETS file standard**

SETS SERIAL NUMBER: PREC62D 20050121 1A

PRECEDENCE: 2005122\_1A

TS SERIAL NUMBER: PREC820\_20050220\_1A

Chimo  
Equipment

Based on the CAODC ETS file standard

[illegible]



**Based on the CAODC ETS file standard**

[illegible]





## **Section 3: Directional Survey Data, (Baker Hughes INTEQ)**



# WESTERN GEOPower CORP.



Location: BRITISH COLUMBIA, CANADA

Slot: MC-7

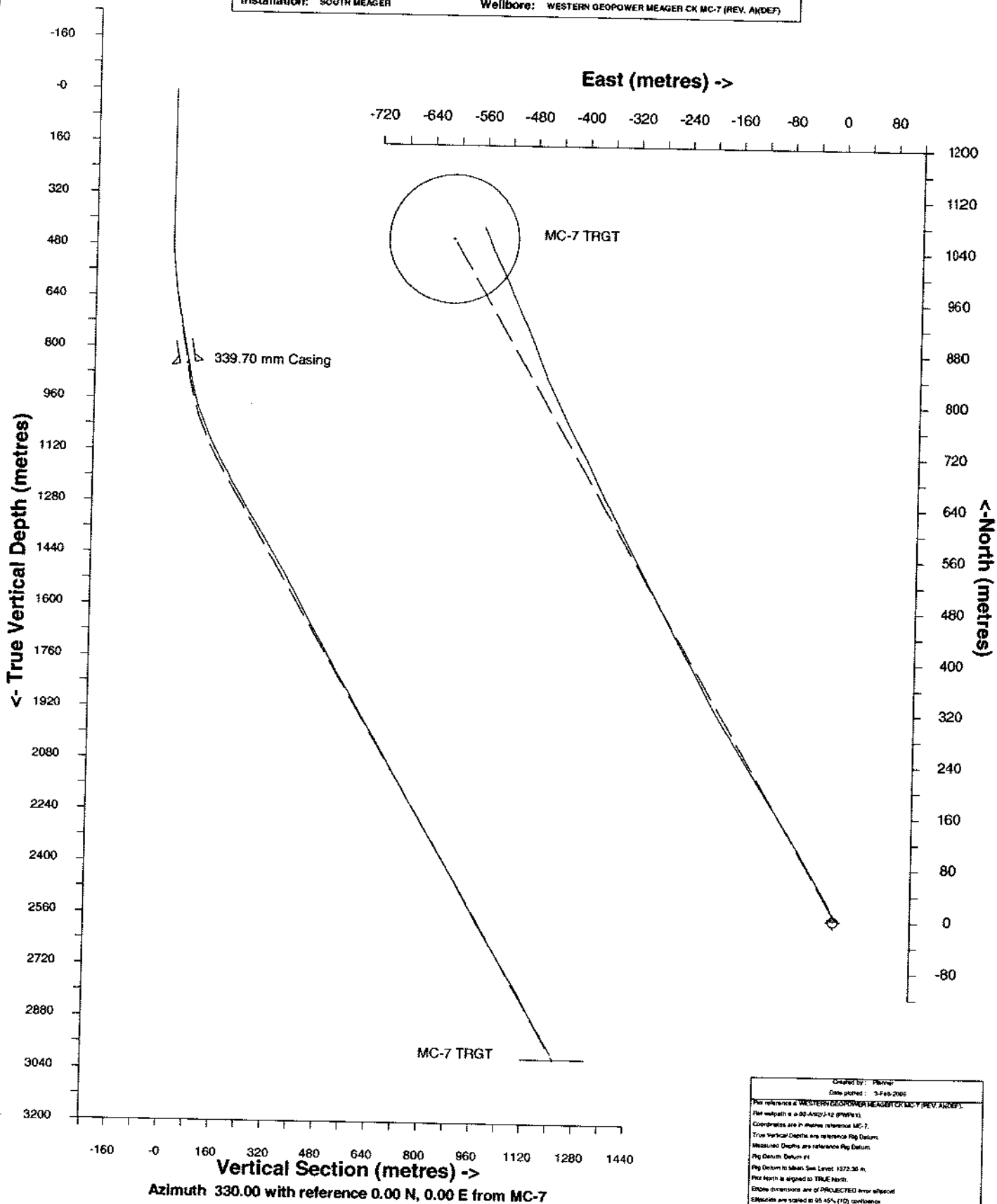
Field: MEAGER

Well: 8-92-A/92/J-12

Installation: SOUTH MEAGER

Wellbore: WESTERN GEOPower MEAGER CK MC-7 (REV. A/DEF)

INTEQ



### Wellbore

Name	Created	Last Revised	Wellbore Unique Identifier	Planned/Actual
WESTERN GEOPOWER MEAGER CK MC-7	6-Dec-2004	3-Feb-2005		Actual

### Well

Well Local Position	Government ID	Last Revised
a-92-A/92/J-12		6-Dec-2004

### Slot

Name	Grid Northing	Grid Easting	Latitude	Longitude	North	East	Rig K.B. Height	K.B. Elevation (above sea level)
MC-7	5603032.9024	463229.4580	N50 34 40.9803	W123 319.5844	6.00S	0.00E	7.30	1372.30

### Installation

Name	Easting	Northing	Coord System Name	North Alignment
SOUTH MEAGER	463229.5000	5603038.9000	NAD83-UTM-10N on NORTH AMERICAN DATUM 1983 datum	True

### Field

Name	Easting	Northing	Coord System Name	North Alignment
MEAGER	463229.5000	5603038.9000	NAD83-UTM-10N on NORTH AMERICAN DATUM 1983 datum	True

### Created By

### Comments

All data is in Metres unless otherwise stated  
 Coordinates are from Slot MD's are from Rig and TVD's are from Rig ( Datum #2 1372.3m above Mean Sea Level )  
 Vertical Section is from 0.00N 0.00E on azimuth 330.00 degrees  
 Bottom hole distance is 1212.12 Metres on azimuth 332.37 degrees from Wellhead  
 Calculation method uses Minimum Curvature method  
 Prepared by Baker Hughes Incorporated

### Wellpath Report

MD[m]	Inc[deg]	Azi[deg]	TVD[m]	North[m]	East[m]	Dogleg [deg/30m]	Vertical Section[m]	Station Comment
0.00	0.00	0.00	0.00	0.00N	0.00E	0.00	0.00	
129.00	0.00	0.00	129.00	0.00N	0.00E	0.00	0.00	
158.30	1.00	44.00	158.30	0.18N	0.18E	1.02	0.07	
252.80	1.50	83.00	252.78	0.93N	1.98E	0.30	-0.19	
365.30	1.25	84.00	365.25	1.24N	4.66E	0.07	-1.26	
413.40	1.00	79.00	413.34	1.37N	5.59E	0.17	-1.61	
433.00	0.90	72.70	432.93	1.45N	5.91E	0.22	-1.70	
451.80	0.26	4.80	451.73	1.53N	6.05E	1.34	-1.70	
470.60	1.30	306.80	470.53	1.71N	5.89E	1.89	-1.47	
489.80	2.40	309.80	489.72	2.09N	5.40E	1.72	-0.89	
507.90	3.70	310.30	507.79	2.71N	4.67E	2.16	0.02	
527.10	5.60	310.30	526.93	3.72N	3.48E	2.97	1.48	
546.00	6.30	311.40	545.73	5.00N	2.00E	1.13	3.33	
564.60	6.30	321.20	564.22	6.47N	0.59E	1.73	5.31	
583.30	6.90	328.30	582.79	8.23N	0.64W	1.62	7.45	
602.20	7.60	334.60	601.54	10.32N	1.77W	1.68	9.83	
620.80	7.80	336.00	619.97	12.59N	2.81W	0.44	12.31	
640.00	8.30	337.80	638.98	15.06N	3.87W	0.87	14.98	
658.50	9.20	338.80	657.27	17.68N	4.91W	1.48	17.76	
677.40	10.10	337.40	675.90	20.61N	6.09W	1.48	20.90	
696.00	10.50	334.20	694.20	23.65N	7.46W	1.13	24.21	
714.60	10.60	329.30	712.49	26.64N	9.07W	1.46	27.61	
733.50	10.20	330.20	731.08	29.59N	10.79W	0.69	31.02	
752.40	9.90	327.90	749.69	32.42N	12.48W	0.80	34.32	
771.30	10.00	327.60	768.30	35.18N	14.22W	0.18	37.58	
790.00	9.90	330.40	786.72	37.95N	15.89W	0.79	40.81	
808.40	10.10	331.00	804.84	40.73N	17.45W	0.37	44.00	
827.20	10.50	331.80	823.34	43.69N	19.06W	0.68	47.36	
846.10	10.30	332.50	841.93	46.70N	20.65W	0.38	50.77	
859.00	10.10	330.70	854.63	48.71N	21.74W	0.88	53.06	
873.60	9.90	328.60	869.00	50.90N	23.02W	0.85	55.59	
892.30	10.50	329.30	887.41	53.74N	24.73W	0.98	58.90	
911.00	11.80	330.40	905.75	56.87N	26.54W	2.11	62.52	
930.20	13.40	329.00	924.49	60.48N	28.66W	2.54	66.71	
948.90	15.00	329.90	942.62	64.43N	30.99W	2.59	71.29	
967.70	16.70	329.70	960.70	68.87N	33.57W	2.71	76.43	
986.40	18.00	330.40	978.55	73.70N	36.35W	2.11	82.00	
1004.90	19.00	330.00	996.10	78.79N	39.27W	1.63	87.87	
1023.60	20.20	330.40	1013.71	84.24N	42.39W	1.94	94.15	
1042.40	21.70	330.40	1031.27	90.08N	45.71W	2.39	100.87	
1061.30	22.60	330.40	1048.77	96.28N	49.23W	1.43	107.99	
1080.00	23.90	328.60	1065.95	102.64N	52.98W	2.38	115.37	
1098.50	24.80	329.00	1082.81	109.16N	56.93W	1.48	123.00	
1117.40	25.20	327.90	1099.94	115.97N	61.11W	0.97	130.98	
1136.10	26.50	328.30	1116.77	122.89N	65.41W	2.10	139.13	
1154.90	27.30	328.30	1133.53	130.13N	69.88W	1.28	147.63	
1173.20	28.30	329.00	1149.72	137.41N	74.32W	1.72	156.17	
1189.70	28.90	328.60	1164.21	144.17N	78.42W	1.15	164.06	
1208.50	29.10	327.90	1180.65	151.92N	83.21W	0.63	173.17	
1227.10	29.30	327.20	1196.89	159.58N	88.08W	0.64	182.24	
1245.90	29.40	327.20	1213.27	167.32N	93.07W	0.16	191.44	

All data is in Metres unless otherwise stated

Coordinates are from Slot MD's are from Rig and TVD's are from Rig ( Datum #2 1372.3m above Mean Sea Level )

Vertical Section is from 0.00N 0.00E on azimuth 330.00 degrees

Bottom hole distance is 1212.12 Metres on azimuth 332.37 degrees from Wellhead

Calculation method uses Minimum Curvature method

Prepared by Baker Hughes Incorporated

### Wellpath Report

MD[m]	Inc[deg]	Azi[deg]	TVD[m]	North[m]	East[m]	Dogleg [deg/30m]	Vertical Section[m]	Station Comment
1284.60	29.50	327.90	1246.97	183.38N	103.28W	0.28	210.45	
1302.20	29.90	328.30	1262.26	190.78N	107.89W	0.76	219.17	
1321.00	30.10	327.90	1278.54	198.76N	112.86W	0.45	228.56	
1339.90	30.70	327.90	1294.84	206.87N	117.94W	0.95	238.12	
1358.40	31.00	327.90	1310.73	214.90N	122.98W	0.49	247.60	
1368.10	31.20	328.30	1319.03	219.16N	125.63W	0.89	252.61	
1386.30	31.60	329.00	1334.57	227.25N	130.56W	0.89	262.09	
1415.10	31.40	329.00	1359.12	240.15N	138.31W	0.21	277.13	
1424.70	31.60	329.00	1367.31	244.45N	140.89W	0.63	282.15	
1442.80	31.50	327.60	1382.73	252.51N	145.87W	1.23	291.61	
1452.70	31.60	327.60	1391.17	256.88N	148.65W	0.30	296.79	
1471.60	30.90	327.90	1407.33	265.17N	153.88W	1.14	306.59	
1480.70	30.70	328.30	1415.14	269.13N	156.34W	0.94	311.24	
1499.50	30.00	328.00	1431.37	277.20N	161.35W	1.14	320.74	
1518.50	30.10	327.90	1447.81	285.26N	166.40W	0.18	330.25	
1537.20	30.40	328.60	1463.97	293.27N	171.36W	0.74	339.66	
1555.60	30.40	328.30	1479.84	301.21N	176.23W	0.25	348.97	
1574.90	29.70	328.30	1496.54	309.43N	181.31W	1.09	358.63	
1594.30	28.80	330.30	1513.47	317.58N	186.15W	2.05	368.11	
1613.30	28.50	330.30	1530.14	325.49N	190.66W	0.47	377.22	
1633.60	28.00	331.10	1548.03	333.87N	195.37W	0.93	386.82	
1651.50	28.20	331.10	1563.82	341.25N	199.44W	0.34	395.25	
1670.70	28.20	331.80	1580.74	349.22N	203.78W	0.52	404.32	
1688.60	28.50	331.80	1596.49	356.71N	207.79W	0.50	412.82	
1708.40	28.00	332.80	1613.93	365.01N	212.15W	1.04	422.18	
1730.70	28.10	332.10	1633.61	374.31N	217.00W	0.46	432.66	
1749.70	29.00	331.40	1650.30	382.31N	221.30W	1.52	441.74	
1766.70	29.40	331.40	1665.14	389.59N	225.27W	0.71	450.03	
1786.00	29.40	331.10	1681.96	397.89N	229.83W	0.23	459.50	
1844.90	29.40	330.00	1733.27	423.07N	244.04W	0.28	488.41	
1873.60	28.40	332.10	1758.40	435.20N	250.76W	1.49	502.28	
1894.50	28.70	333.50	1776.76	444.09N	255.32W	1.05	512.25	
1913.10	29.20	332.50	1793.03	452.11N	259.41W	1.12	521.24	
1932.10	30.30	331.80	1809.53	460.44N	263.82W	1.82	530.66	
1952.00	31.20	332.80	1826.63	469.45N	268.54W	1.56	540.83	
1961.60	31.20	332.50	1834.84	473.87N	270.83W	0.49	545.80	
1979.10	30.50	332.10	1849.86	481.82N	275.00W	1.25	554.77	
1998.20	29.90	330.70	1866.37	490.25N	279.60W	1.45	564.37	
2020.60	29.20	330.70	1885.86	499.89N	285.00W	0.94	575.42	
2038.50	30.20	329.70	1901.41	507.58N	289.41W	1.87	584.28	
2056.70	30.00	330.70	1917.15	515.50N	293.95W	0.89	593.41	
2075.80	30.10	332.10	1933.68	523.90N	298.53W	1.11	602.97	
2094.00	30.00	332.10	1949.44	531.95N	302.79W	0.16	612.08	
2112.60	30.10	331.40	1965.54	540.16N	307.20W	0.59	621.99	
2132.10	29.90	331.10	1982.43	548.71N	311.89W	0.38	631.14	
2151.00	29.60	333.20	1998.84	557.00N	316.27W	1.72	640.51	
2170.40	29.40	333.20	2015.72	565.52N	320.58W	0.31	650.05	
2189.40	29.40	333.20	2032.27	573.85N	324.78W	0.00	659.36	
2208.20	29.40	332.80	2048.65	582.07N	328.97W	0.31	668.57	
2227.60	29.30	331.70	2065.56	590.49N	333.40W	0.85	678.08	
2246.50	28.90	332.50	2082.08	598.61N	337.70W	0.89	687.26	

All data is in Metres unless otherwise stated

Coordinates are from Slot MD's are from Rig and TVD's are from Rig ( Datum #2 1372.3m above Mean Sea Level )

Vertical Section is from: 0.00N 0.00E on azimuth 330.00 degrees

Bottom hole distance is 1212.12 Metres on azimuth 332.37 degrees from Wellhead

Calculation method uses Minimum Curvature method

Prepared by Baker Hughes Incorporated



### Wellpath Report

MD[m]	Inc[deg]	Azi[deg]	TVD[m]	North[m]	East[m]	Dogleg [deg/30m]	Vertical Section[m]	Station Comment
2264.70	28.30	332.80	2098.06	606.35N	341.70W	1.02	695.96	
2283.20	28.70	332.80	2114.31	614.20N	345.74W	0.65	704.78	
2301.50	29.10	332.20	2130.34	622.04N	349.82W	0.81	713.62	
2322.20	30.00	331.40	2148.34	631.04N	354.65W	1.42	723.82	
2330.90	29.90	331.10	2155.88	634.85N	356.74W	0.62	728.16	
2349.80	29.80	332.00	2172.27	643.12N	361.22W	0.73	737.57	
2368.70	30.00	331.10	2188.66	651.40N	365.71W	0.78	746.98	
2387.80	29.70	333.20	2205.22	659.80N	370.15W	1.71	756.48	
2407.00	29.80	333.50	2221.89	668.32N	374.42W	0.28	765.99	
2425.40	29.90	333.20	2237.85	676.51N	378.53W	0.29	775.14	
2445.20	29.80	333.50	2255.03	685.31N	382.95W	0.27	784.97	
2463.30	30.20	333.90	2270.70	693.43N	386.96W	0.74	794.01	
2483.00	30.40	334.40	2287.71	702.37N	391.29W	0.49	803.92	
2502.30	30.60	332.40	2304.34	711.13N	395.68W	1.61	813.70	
2521.80	30.90	331.50	2321.10	719.93N	400.37W	0.85	823.66	
2539.90	30.50	331.50	2336.66	728.05N	404.78W	0.66	832.90	
2560.00	30.10	331.50	2354.02	736.96N	409.62W	0.60	843.03	
2579.00	30.00	331.40	2370.46	745.32N	414.16W	0.18	852.55	
2598.30	30.00	332.10	2387.18	753.82N	418.73W	0.54	862.19	
2617.10	30.00	333.30	2403.46	762.17N	423.04W	0.96	871.58	
2636.90	29.50	334.20	2420.65	770.98N	427.39W	1.02	881.38	
2655.60	29.30	334.70	2436.94	779.26N	431.35W	0.51	890.54	
2674.60	29.70	334.00	2453.48	787.70N	435.40W	0.83	899.87	
2694.10	29.50	334.00	2470.43	796.36N	439.62W	0.31	909.47	
2713.10	28.90	333.80	2487.02	804.68N	443.70W	0.96	918.72	
2732.30	29.30	335.80	2503.79	813.13N	447.67W	1.64	928.02	
2751.60	29.40	334.90	2520.62	821.73N	451.62W	0.70	937.44	
2770.20	30.00	336.10	2536.77	830.11N	455.44W	1.36	946.62	
2789.60	30.30	336.80	2553.55	839.04N	459.33W	0.71	956.30	
2808.80	30.30	338.00	2570.13	847.99N	463.05W	0.95	965.90	
2825.00	30.40	337.90	2584.11	855.57N	466.13W	0.21	974.01	
2843.30	31.10	337.70	2599.83	864.24N	469.66W	1.16	983.28	
2862.30	31.30	339.10	2616.09	873.39N	473.28W	1.19	993.02	
2881.10	31.50	338.70	2632.13	882.52N	476.81W	0.46	1002.69	
2900.50	32.30	340.00	2648.60	892.12N	480.42W	1.63	1012.81	
2919.30	32.40	337.70	2664.49	901.50N	484.05W	1.97	1022.75	
2938.40	32.20	337.20	2680.63	910.92N	487.97W	0.52	1032.87	
2957.90	32.20	334.50	2697.13	920.40N	492.22W	2.21	1043.20	
2976.80	32.10	333.60	2713.13	929.45N	496.62W	0.78	1053.23	
2995.50	31.10	334.50	2729.06	938.26N	500.91W	1.77	1063.01	
3015.50	31.70	337.20	2746.13	947.76N	505.17W	2.29	1073.37	
3033.20	31.90	335.20	2761.18	956.30N	508.93W	1.82	1082.64	
3052.70	31.30	336.80	2777.78	965.63N	513.09W	1.59	1092.80	
3070.10	29.80	336.80	2792.76	973.77N	516.58W	2.41	1101.60	
3089.80	29.50	336.50	2809.87	982.73N	520.45W	0.65	1111.29	
3109.80	28.70	335.20	2827.35	991.61N	524.42W	1.53	1120.97	
3127.30	28.00	335.00	2842.75	999.14N	527.92W	1.21	1129.25	
3147.20	28.70	334.90	2860.26	1007.71N	531.92W	1.06	1138.66	
3167.20	29.90	333.80	2877.70	1016.53N	536.16W	1.97	1148.42	
3184.90	30.70	332.60	2892.99	1024.50N	540.19W	1.70	1157.33	
3203.80	31.40	333.50	2909.18	1033.19N	544.61W	1.33	1167.07	

All data is in Metres unless otherwise stated

Coordinates are from Slot MD's are from Rig and TVD's are from Rig ( Datum #2 1372.3m above Mean Sea Level )

Vertical Section is from 0.00N 0.00E on azimuth 330.00 degrees

Bottom hole distance is 1212.12 Metres on azimuth 332.37 degrees from Wellhead

Calculation method uses Minimum Curvature method

Prepared by Baker Hughes Incorporated



**WESTERN GEOPOWER CORP., MC-7  
SOUTH MEAGER,  
MEAGER, BRITISH COLUMBIA, CANADA**

**Wellbore: WESTERN GEOPOWER  
MEAGER CK MC-7  
Wellpath: (SVY) MC-7  
Date Printed: 3-Feb-2005**



**INTEQ**

### Wellpath Report

MD[m]	Inc[deg]	Azi[deg]	TVD[m]	North[m]	East[m]	Dogleg [deg/30m]	Vertical Section[m]	Station Comment
3224.30	31.20	337.90	2926.70	1042.89N	548.99W	3.36	1177.66	
3241.70	31.00	337.30	2941.60	1051.20N	552.41W	0.64	1186.57	
3261.40	29.70	336.80	2958.60	1060.36N	556.29W	2.02	1196.45	
3275.00	29.90	336.30	2970.40	1066.56N	558.98W	0.70	1203.16	
3291.00	29.90	336.30	2984.27	1073.87N	562.19W	0.00	1211.09	EXTRAPOLATION

All data is in Metres unless otherwise stated

Coordinates are from Slot MD's are from Rig and TVD's are from Rig ( Datum #2 1372.3m above Mean Sea Level )

Vertical Section is from 0.00N 0.00E on azimuth 330.00 degrees

Bottom hole distance is 1212.12 Metres on azimuth 332.37 degrees from Wellhead

Calculation method uses Minimum Curvature method

Prepared by Baker Hughes Incorporated



WESTERN GEOPOWER CORP.,MC-7  
SOUTH MEAGER,  
MEAGER ,BRITISH COLUMBIA, CANADA

Wellbore: WESTERN GEOPOWER  
MEAGER CK MC-7  
Wellpath: (SVY) MC-7  
Date Printed: 3-Feb-2005



INTEQ

### Comments

MD[m]	TVD[m]	North[m]	East[m]	Comment
3291.00	2984.27	1073.87N	562.19W	EXTRAPOLATION

### Survey Tool Program

Reference	Survey Name	MD[m]	TVD[m]	Survey Tool	Error Model
606132	VERTICAL ASUMPTION	129.00	129.00	No Tool	No Model
606131	MWD SVY	3291.00	2984.27	Navi Trak	Standard

All data is in Metres unless otherwise stated

Coordinates are from Slot MD's are from Rig and TVD's are from Rig ( Datum #2 1372.3m above Mean Sea Level )

Vertical Section is from 0.00N 0.00E on azimuth 330.00 degrees

Bottom hole distance is 1212.12 Metres on azimuth 332.37 degrees from Wellhead

Calculation method uses Minimum Curvature method

Prepared by Baker Hughes Incorporated



## **Section 4: Casing Reports, (RIMBase Files)**

# Casing Report

## Meager Creek Development Corp.

Well ID: MC-7

Well Name: South Meager MC-7

Page 1

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Run Date/Time:	08-Sep-04 12:00		
Well Section:	COND	String Type:	FULL
String Top MD:	0.0 m	String Top TVD:	m
Casing Shoe MD:	59.3 m	Casing Shoe TVD:	m
String Nominal OD:	71.12 cm	String Nominal ID:	cm
Bit Diameter:	71.12 cm	Avg. Open Hole Diam.:	cm
Centralizers: No:		Manufacturer:	Type:
Depths:			
Hanger: Type:		Manufacturer:	

### Comments:

Conductor Hole drilled prior to rig move. Conductor pipe driven in with ODEX system, using Midnight Sun Drilling, Inc. Schramm 680 Rig

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Printed: 16:47 28-Mar-06

End of Report



# Casing Report

Meager Creek Development Corp.

Well ID: MC-7

Well Name: South Meager MC-7

Page 1

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Run Date/Time:	02-Dec-04 16:00		
Well Section:	SURF	String Type:	FULL
String Top MD:	0.0 m	String Top TVD:	m
Casing Shoe MD:	129.0 m	Casing Shoe TVD:	m
String Nominal OD:	47.30 cm	String Nominal ID:	cm
Bit Diameter:	60.90 cm	Avg. Open Hole Diam.:	cm
Centralizers: No:	Manufacturer:	Type:	
Depths:			
Hanger: Type:		Manufacturer:	

## Comments:

Drilled with Precision Drilling Rig 620 on 2 Dec. 04

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Printed: 16:47 28-Mar-06

End of Report

# Casing Tally Run Report

Meager Creek Development Corp.

Well ID: MC-7

Well Name: South Meager MC-7

Page 1

String Nominal OD 47.30

Type: FULL

Top Depth: 0.0

Bottom: 130.6

Cut Off Length: 0.000

Good Joints: 12

Excluded Joints: 0

Total Joints: 12

Total Length Good Joints: 130.590

Other Items:

Total Length: 130.590

Run Joint

Run No.	Joint No	Item	Length	Top	Bottom	Description	Comments	Cnt	Scr
1	1	JOINT	0.530	130.060	130.590	47.3 x 40, 130 K-55 BUTT	Float shoe		
2	2	JOINT	12.930	117.130	130.060	47.3 x 40, 130 K-55 BUTT			
3	3	JOINT	0.590	116.540	117.130	47.3 x 40, 130 K-55 BUTT	Float collar		
4	4	JOINT	12.830	103.710	116.540	47.3 x 40, 130 K-55 BUTT			
5	5	JOINT	12.900	90.810	103.710	47.3 x 40, 130 K-55 BUTT			
6	6	JOINT	12.820	77.990	90.810	47.3 x 40, 130 K-55 BUTT			
7	7	JOINT	13.140	64.850	77.990	47.3 x 40, 130 K-55 BUTT			
8	8	JOINT	12.910	51.940	64.850	47.3 x 40, 130 K-55 BUTT			
9	9	JOINT	13.170	38.770	51.940	47.3 x 40, 130 K-55 BUTT			
10	10	JOINT	12.830	25.940	38.770	47.3 x 40, 130 K-55 BUTT			
11	11	JOINT	13.020	12.920	25.940	47.3 x 40, 130 K-55 BUTT			
12	12	JOINT	12.920	0.000	12.920	47.3 x 40, 130 K-55 BUTT			

Printed: 16:49 28-Mar-06

End of Report

# Casing Report

Meager Creek Development Corp.

Well ID: MC-7

Well Name: South Meager MC-7

Page 1

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Run Date/Time:	14-Dec-04 0:00		
Well Section:	INT1	String Type:	FULL
String Top MD:	0.0 m	String Top TVD:	m
Casing Shoe MD:	870.0 m	Casing Shoe TVD:	m
String Nominal OD:	33.97 cm	String Nominal ID:	cm
Bit Diameter:	44.45 cm	Avg. Open Hole Diam.:	cm
Centralizers: No:	15	Manufacturer:	BAKER
		Type:	Flex-Bow
Depths:	766m, 744m, 731m		
	706m, 681m, 657m, 633m, 609m, 584m, 560m, 535m, 511m, 487m, 120m, 107m.		
Hanger: Type:		Manufacturer:	
Comments:			
Cemented by Halliburton on 12-14-04			

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Printed: 16:47 28-Mar-06

End of Report

# Casing Tally Run Report

Meager Creek Development Corp.

Well ID: MC-7

Well Name: South Meager MC-7

Page 1

String Nominal OD 33.97

Type: FULL

Top Depth: 0.0

Bottom: 870.8

Cut Off Length: 0.000

Good Joints: 70

Excluded Joints: 0

Total Joints: 70

Total Length Good Joints: 870.790

Other Items:

Total Length: 870.790

Run Joint

No.	Joint No	Item	Length	Top	Bottom	Description	Comments	Cnt	Scr
1	1	JOINT	0.550	870.240	870.790	33.97 x 31.361, 107.15 K-55 BUT Shoe			
2	2	JOINT	11.920	858.320	870.240	33.97 x 31.361, 107.15 K-55 BUT			
3	3	JOINT	0.550	857.770	858.320	33.97 x 31.361, 107.15 K-55 BUT	Stab-in float collar		
4	4	JOINT	12.880	844.890	857.770	33.97 x 31.361, 107.15 K-55 BUT			
5	5	JOINT	12.790	832.100	844.890	33.97 x 31.361, 107.15 K-55 BUT			
6	6	JOINT	12.090	820.010	832.100	33.97 x 31.361, 107.15 K-55 BUT			
7	7	JOINT	12.860	807.150	820.010	33.97 x 31.361, 107.15 K-55 BUT			
8	8	JOINT	12.750	794.400	807.150	33.97 x 31.361, 107.15 K-55 BUT			
9	9	JOINT	12.350	782.050	794.400	33.97 x 31.36, 107.2 K-55 BUTT			
10	10	JOINT	12.450	769.600	782.050	33.97 x 31.36, 107.2 K-55 BUTT			
11	11	JOINT	13.440	756.160	769.600	33.97 x 31.36, 107.2 K-55 BUTT			
12	12	JOINT	13.080	743.080	756.160	33.97 x 31.36, 107.2 K-55 BUTT			
13	13	JOINT	13.670	729.410	743.080	33.97 x 31.36, 107.2 K-55 BUTT			
14	14	JOINT	12.410	717.000	729.410	33.97 x 31.36, 107.2 K-55 BUTT			
15	15	JOINT	12.920	704.080	717.000	33.97 x 31.36, 107.2 K-55 BUTT			
16	16	JOINT	13.110	690.970	704.080	33.97 x 31.36, 107.2 K-55 BUTT			
17	17	JOINT	12.880	678.090	690.970	33.97 x 31.36, 107.2 K-55 BUTT			
18	18	JOINT	13.080	665.010	678.090	33.97 x 31.36, 107.2 K-55 BUTT			
19	19	JOINT	12.960	652.050	665.010	33.97 x 31.36, 107.2 K-55 BUTT			
20	20	JOINT	12.830	639.220	652.050	33.97 x 31.36, 107.2 K-55 BUTT			
21	21	JOINT	12.930	626.290	639.220	33.97 x 31.36, 107.2 K-55 BUTT			
22	22	JOINT	12.730	613.560	626.290	33.97 x 31.36, 107.2 K-55 BUTT			
23	23	JOINT	13.350	600.210	613.560	33.97 x 31.36, 107.2 K-55 BUTT			
24	24	JOINT	12.780	587.430	600.210	33.97 x 31.36, 107.2 K-55 BUTT			
25	25	JOINT	10.450	576.980	587.430	33.97 x 31.36, 107.2 K-55 BUTT			
26	26	JOINT	13.000	563.980	576.980	33.97 x 31.36, 107.2 K-55 BUTT			
27	27	JOINT	13.100	550.880	563.980	33.97 x 31.36, 107.2 K-55 BUTT			
28	28	JOINT	12.740	538.140	550.880	33.97 x 31.36, 107.2 K-55 BUTT			
29	29	JOINT	13.160	524.980	538.140	33.97 x 31.36, 107.2 K-55 BUTT			
30	30	JOINT	13.140	511.840	524.980	33.97 x 31.36, 107.2 K-55 BUTT			

# Casing Tally Run Report

Meager Creek Development Corp.

Well ID: MC-7

Well Name: South Meager MC-7

Page 2

## Joint Details - (Cont)

Run No.	Joint No	Item	Length	Top	Bottom	Description	Comments	Cnt	Scr
31	31	JOINT	12.510	499.330	511.840	33.97 x 31.36, 107.2 K-55 BUTT			
32	32	JOINT	12.940	486.390	499.330	33.97 x 31.36, 107.2 K-55 BUTT			
33	33	JOINT	12.930	473.460	486.390	33.97 x 31.36, 107.2 K-55 BUTT			
34	34	JOINT	13.770	459.690	473.460	33.97 x 31.36, 107.2 K-55 BUTT			
35	35	JOINT	14.000	445.690	459.690	33.97 x 31.36, 107.2 K-55 BUTT			
36	36	JOINT	13.000	432.690	445.690	33.97 x 31.36, 107.2 K-55 BUTT			
37	37	JOINT	13.150	419.540	432.690	33.97 x 31.36, 107.2 K-55 BUTT			
38	38	JOINT	12.940	406.600	419.540	33.97 x 31.36, 107.2 K-55 BUTT			
39	39	JOINT	11.280	395.320	406.600	33.97 x 31.36, 107.2 K-55 BUTT			
40	40	JOINT	12.780	382.540	395.320	33.97 x 31.36, 107.2 K-55 BUTT			
41	41	JOINT	12.640	369.900	382.540	33.97 x 31.36, 107.2 K-55 BUTT			
42	42	JOINT	12.670	357.230	369.900	33.97 x 31.36, 107.2 K-55 BUTT			
43	43	JOINT	12.980	344.250	357.230	33.97 x 31.36, 107.2 K-55 BUTT			
44	44	JOINT	13.180	331.070	344.250	33.97 x 31.36, 107.2 K-55 BUTT			
45	45	JOINT	13.120	317.950	331.070	33.97 x 31.36, 107.2 K-55 BUTT			
46	46	JOINT	13.000	304.950	317.950	33.97 x 31.36, 107.2 K-55 BUTT			
47	47	JOINT	12.970	291.980	304.950	33.97 x 31.36, 107.2 K-55 BUTT			
48	48	JOINT	12.950	279.030	291.980	33.97 x 31.36, 107.2 K-55 BUTT			
49	49	JOINT	12.900	266.130	279.030	33.97 x 31.36, 107.2 K-55 BUTT			
50	50	JOINT	12.940	253.190	266.130	33.97 x 31.36, 107.2 K-55 BUTT			
51	51	JOINT	11.080	242.110	253.190	33.97 x 31.36, 107.2 K-55 BUTT			
52	52	JOINT	11.500	230.610	242.110	33.97 x 31.36, 107.2 K-55 BUTT			
53	53	JOINT	12.690	217.920	230.610	33.97 x 31.36, 107.2 K-55 BUTT			
54	54	JOINT	12.840	205.080	217.920	33.97 x 31.36, 107.2 K-55 BUTT			
55	55	JOINT	13.100	191.980	205.080	33.97 x 31.36, 107.2 K-55 BUTT			
56	56	JOINT	14.400	177.580	191.980	33.97 x 31.36, 107.2 K-55 BUTT			
57	57	JOINT	12.400	165.180	177.580	33.97 x 31.36, 107.2 K-55 BUTT			
58	58	JOINT	11.810	153.370	165.180	33.97 x 31.36, 107.2 K-55 BUTT			
59	59	JOINT	11.850	141.520	153.370	33.97 x 31.36, 107.2 K-55 BUTT			
60	60	JOINT	12.860	128.660	141.520	33.97 x 31.36, 107.2 K-55 BUTT			
61	61	JOINT	11.900	116.760	128.660	33.97 x 31.36, 107.2 K-55 BUTT			
62	62	JOINT	13.130	103.630	116.760	33.97 x 31.36, 107.2 K-55 BUTT			
63	63	JOINT	12.910	90.720	103.630	33.97 x 31.36, 107.2 K-55 BUTT			
64	64	JOINT	13.160	77.560	90.720	33.97 x 31.36, 107.2 K-55 BUTT			
65	65	JOINT	13.040	64.500	77.560	33.97 x 31.36, 107.2 K-55 BUTT			

# Casing Tally Run Report

Meager Creek Development Corp.

Well ID: MC-7

Well Name: South Meager MC-7

Page 3

## Joint Details - (Cont)

Run No.	Joint No	Item	Length	Top	Bottom	Description	Comments	Cnt	Scr
65	65	JOINT	13.040	64.520	77.560	33.97 x 31.36, 107.2 K-55 BUTT			
66	66	JOINT	12.790	51.730	64.520	33.97 x 31.36, 107.2 K-55 BUTT			
67	67	JOINT	12.840	38.890	51.730	33.97 x 31.36, 107.2 K-55 BUTT			
68	68	JOINT	13.150	25.740	38.890	33.97 x 31.36, 107.2 K-55 BUTT			
69	69	JOINT	12.950	12.790	25.740	33.97 x 31.36, 107.2 K-55 BUTT			
70	70	JOINT	12.790	0.000	12.790	33.97 x 31.36, 107.2 K-55 BUTT			

Printed: 16:50 28-Mar-06

End of Report

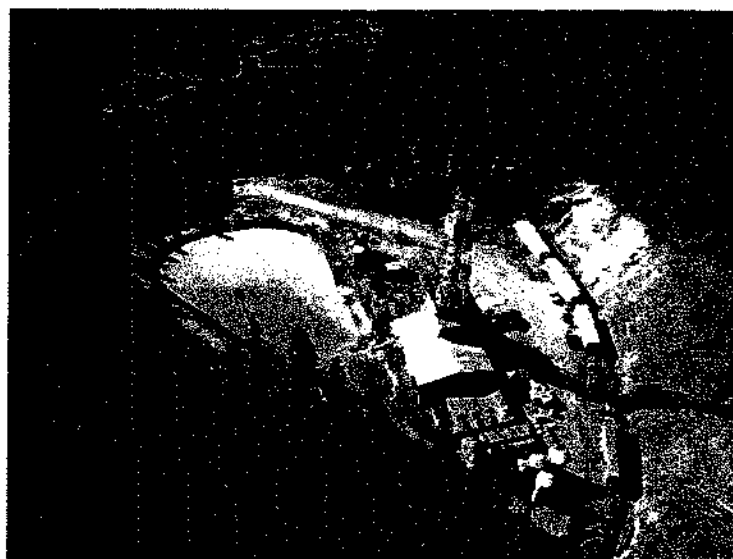




## **Section 5: Cementing Report, (Halliburton)**



**Meager Creek Development Corporation  
Ste. 411 – 837 West Hasting St.  
Vancouver, British Columbia  
V6C 3N6**



**SOUTH MEAGER GEOTHERMAL PROJECT  
ZONAL ISOALTION**

**MC-6 & MC-7  
POST JOB REPORT**

**Prepared for: Mr. Andrew Ryder & Mr. Russ Silva  
December 31, 2004  
Version: 1**

**Prepared by:  
Chris Quinton  
Halliburton Energy Services  
Grande Prairie, AB  
(780) 402-4215**

**HALLIBURTON**

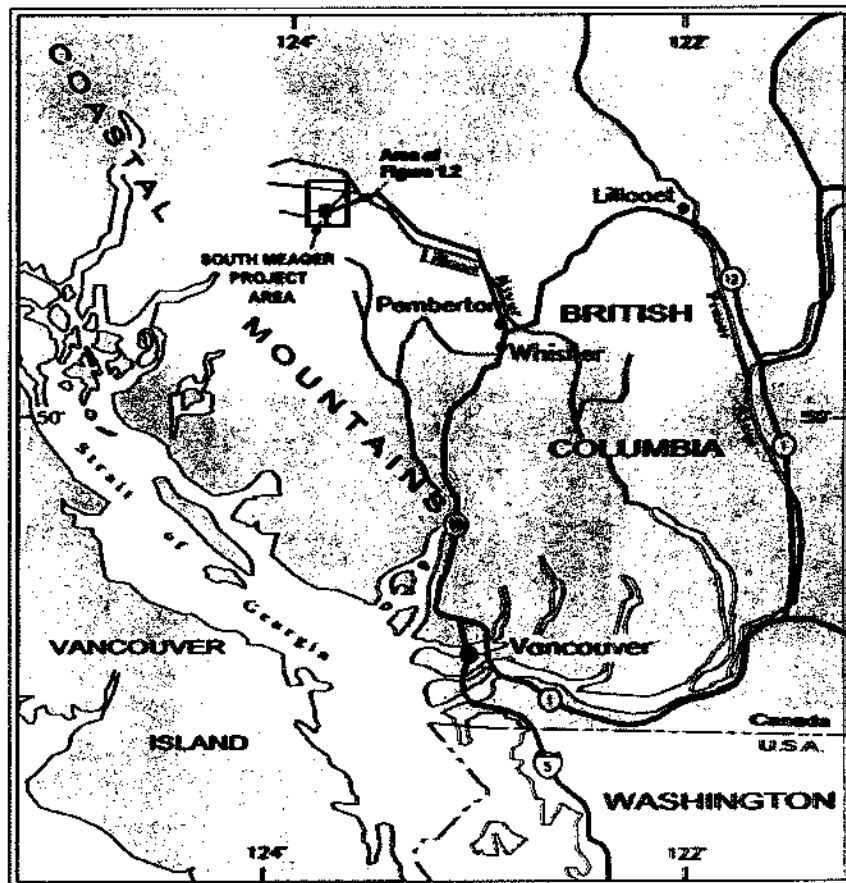
# HALLIBURTON

1	PROJECT SUMMARY:	3
2	HES MOBILIZATION	4
3	ZONAL ISOLATION PROJECT REVIEW	4
4	MC-6	5
4.1	SURFACE CEMENT JOB	5
4.1.1	JOB DATA	5
4.1.2	JOB OUTLINE	5
4.1.3	JOB SUMMARY	6
4.2	PRESSURE TEST	7
4.2.1	JOB DATA	7
4.2.2	JOB OUTLINE	7
4.2.3	JOB SUMMARY	7
4.3	BALANCED PLUG #1	8
4.3.1	JOB DATA	8
4.3.2	JOB OUTLINE	8
4.3.3	JOB SUMMARY	8
4.4	BALANCED PLUG #2	9
4.4.1	JOB DATA	9
4.4.2	JOB OUTLINE	9
4.4.3	JOB SUMMARY	9
4.5	BALANCED PLUG #3	10
4.5.1	JOB DATA	10
4.5.2	JOB OUTLINE	10
4.5.3	JOB SUMMARY	11
4.6	INTERMEDIATE CEMENT JOB	11
4.6.1	JOB DATA	11
4.6.2	JOB OUTLINE	12
4.6.3	JOB SUMMARY	13
4.7	CASING-CASING SQUEEZE	14
4.7.1	JOB DATA	14
4.7.2	JOB OUTLINE	14
4.7.3	JOB SUMMARY	15
4.8	CEMENT TOP UP	16
4.8.1	JOB DATA	16
4.8.2	JOB OUTLINE	16
4.8.3	JOB SUMMARY	17
5	MC-7	18
5.1	SURFACE CEMENT JOB	18
5.1.1	JOB DATA	18
5.1.2	JOB OUTLINE	19
5.1.3	JOB SUMMARY	19
5.2	INTERMEDIATE CEMENT JOB	20
5.2.1	JOB DATA	20
5.2.2	JOB OUTLINE	21
5.2.3	JOB SUMMARY	21
6	CONCLUSION	22

# HALLIBURTON

## 1 PROJECT SUMMARY:

Meager Creek Development Corporation's objective of this project was to drill and complete two wells and evaluate their potential heat for geothermal energy. The estimated minimum potential for energy in this project is between 100 MW with the potential for 200 - 250 MW of power. These two wells are located approximately 170 km West of Vancouver, British Columbia. For this project Western Geo Power hired GeothermEx Inc. out of California to consult the work being done for this project. GeothermEx Inc. is the largest and most experience geothermal energy consulting company in the world and they have been consulting geothermal work in California and Hawaii for years with great success. Halliburton was hired to complete the zonal isolation for each well. This included two surface cement jobs, two intermediate cement jobs, plus any additional lost of circulation cement plugs.



# HALLIBURTON

## 2 HES MOBILIZATION

Halliburton began mobilizing for this project early in 2004. The initial zonal isolation programs and proposals were completed in Calgary by Colin Witt. The cement chosen for these jobs was Class G + 40% Silica Flour. The purpose of the Silica Flour is to prevent strength retrogression at the high temperatures. The chemicals needed for each job were to be added to the mix water at the predetermined concentrations as indicated through lab testing and field conditions. These programs were sent to the Halliburton office in California for review and subsequently forwarded on to Ms. Rupri Khanuja at Western Geo Power for final approval. The Cementing Pump Unit and crew were to come out of Grande Prairie and the bulk material was to be delivered by Caron transport out of Red Deer. FI Canada supplied all casing accessories and float equipment. Four Halliburton cement bins were delivered to location and spotted by the HES crew. A chemical van was rented and delivered to location with all the chemicals needed for the two wells. These chemicals included high temperature cement retarders, fluid loss additives, accelerators, and dispersants. The chemicals used for the spacers and flushes were also included. The chemical van was spotted at the lower camp on the Meager Road. In addition a batch mixer was also mobilized out of Grande Prairie to mix the spacer on the second intermediate well.

## 3 ZONAL ISOLATION PROJECT REVIEW

For the entire project, two surface cement jobs and two intermediate cement jobs were completed. During the drilling operation of the first well, three - 3 ton lost circulation plugs were needed, plus a casing-casing squeeze and a cement top-up. A small top-up job was also required for the second well. During the drilling of the production hole on the first well it was decided that a cemented production liner was not needed and the crew was released. After the completion of the second well, the cement crew was released with their pump truck; however, the cement silos and chemical van remained on location. There is still a slight possibility that a cemented liner will be needed for this well.



HES CEMENT PUMP TRUCK



HES BATCH MIXER



HES CEMENT FIELD SILOS

# HALLIBURTON

## 5 MC-7

### 5.1 SURFACE CEMENT JOB

#### 5.1.1 JOB DATA

DATE: November 28, 2004

HOLE: 609.0 mm

CASING: 473.08 mm, 130.21 kg/m, L-80 landed at 132 m

BHST: 40°C (est)

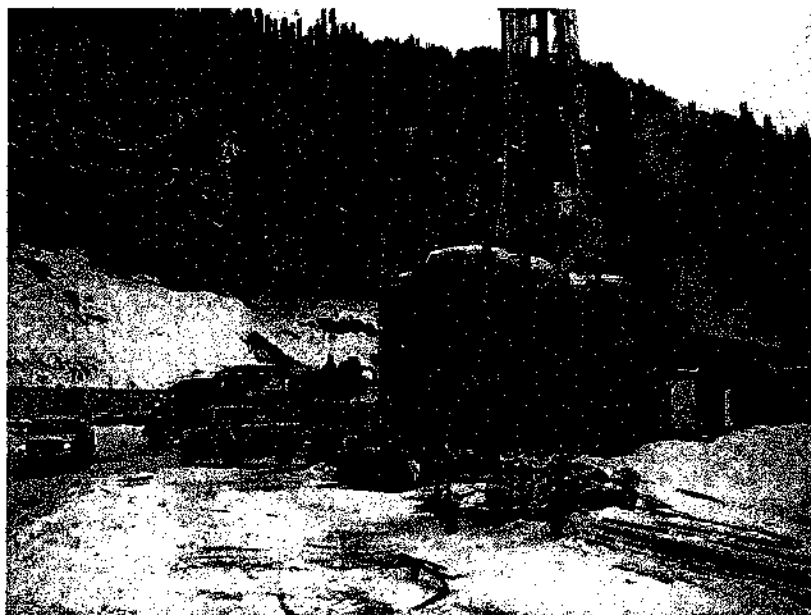
OBJECTIVE: Perform a surface cement job

SPACER: Super Flush 102

CEMENT: Class G + 40% SSA-1 + 2% CaCl<sub>2</sub> + 0.1% CFR-3 @ 1860 kg/m<sup>3</sup>  
(CaCl<sub>2</sub> and CFR-3 were prehydrated in the mix water)

PERSONNEL: Ron Beeston (Service Supervisor III)  
Bill Burnett (Service Supervisor I)  
Steve Marsten (Service Operator I)  
Richard LeBlond (Operator Assistant I)  
Chris Quinton (Technical Professional)

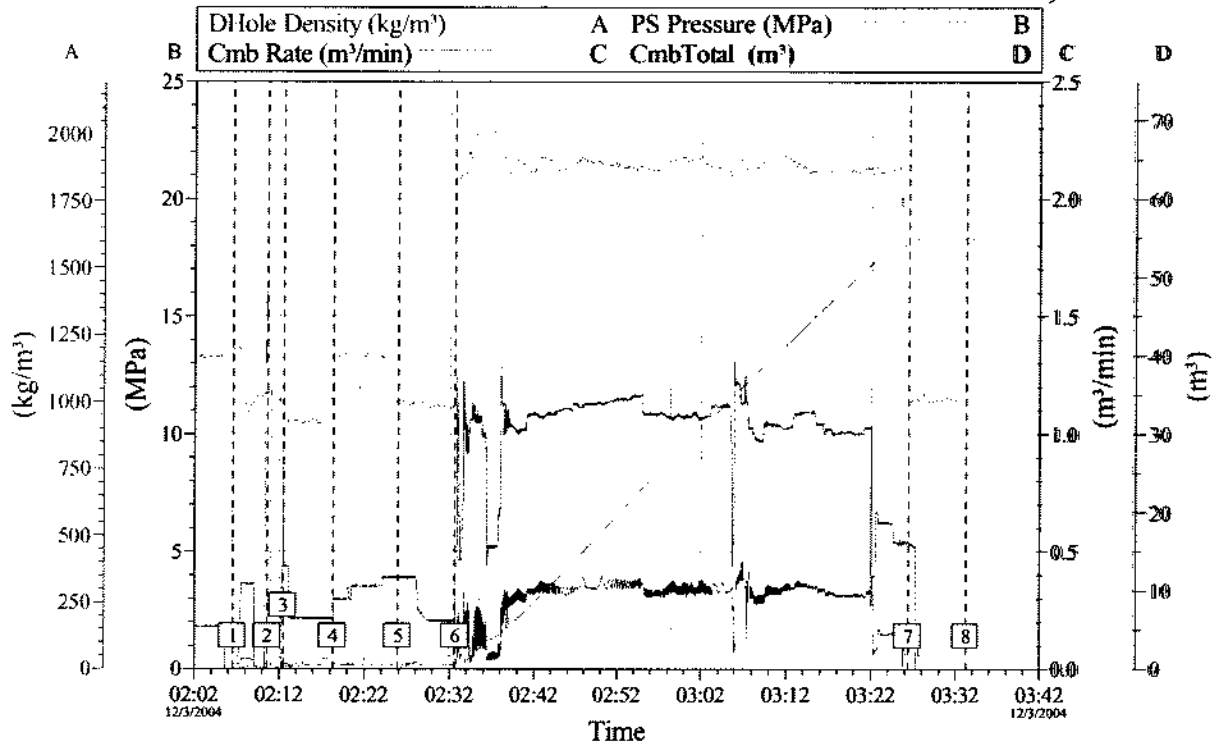
EQUIPMENT: 75TC4 Cement Pumper (10086606)  
609 mm Stab-In Super Seal Float Collar  
609 mm Float Shoe



## 5.1.2 JOB OUTLINE

1. Pump 0.5 m<sup>3</sup> Water ahead
2. Pressure Test 20 MPa
3. Pump 1.5 m<sup>3</sup> Water
4. Pump 3 m<sup>3</sup> of Super Flush 102
5. Pump 2 m<sup>3</sup> Water
6. Pump cement until we have returns
7. Displace with 850 L of water
8. Rig-out HES

## SOUTH MEAGER GEOTHERMAL PROJECT WELL #2, SURFACE



## 5.1.3 JOB SUMMARY

For this job a 473 mm stab-in float collar was available and therefore we were able to perform an inner sting cement job, which allowed us to pump until we achieved good cement returns to surface. We started seeing cement returns at about 150% excess but the cement was still contaminated with the superflush. It wasn't until about 250% excess when we started seeing full density cement returns. We slowed the rate down to insure the returns were steady and then began to displace. Once we finished displacing, the cement did not fall back so we shut-in and rigged out HES equipment.



# HALLIBURTON

## 5.2 INTERMEDIATE CEMENT JOB

### 5.2.1 JOB DATA

DATE: December 14, 2004

HOLE: 444.5 mm

CASING: 339.73 mm, 107.15 kg/m, L-80 landed at 860 m

BHST: 50°C (est)

OBJECTIVE: Perform an inner string intermediate cement job

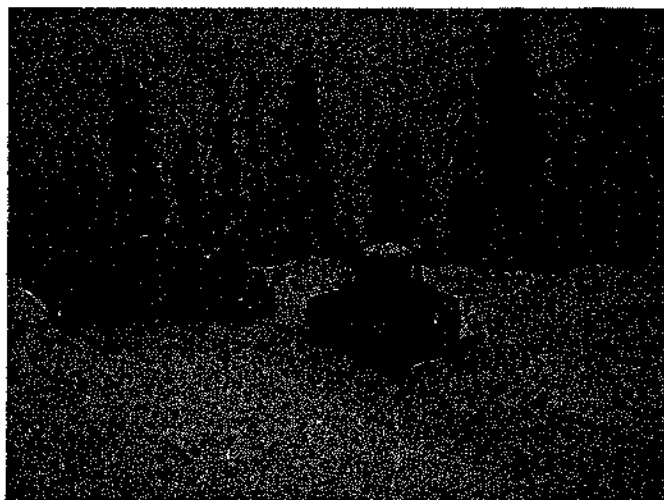
SPACER: Super Flush 101

LEAD CEMENT: Class G + 35% SSA-1 + 5% Silicalite + 0.3% Halad-413  
+ 0.225% FWCA + Optimum Bridging Package  
Density at 1680 kg/m<sup>3</sup>

TAIL CEMENT: Class G + 35% SSA-1 + 5% Silicalite + 0.3% Halad-413  
+ 0.225% FWCA + Optimum Bridging Package  
Density at 1825 kg/m<sup>3</sup>

PERSONNEL: Bill Burnett (Service Supervisor I)  
Steve Marsten (Service Operator I)  
Richard LeBlond (Operator Assistant)  
Lloyd Diamond (Service Operator II)  
Edmund Hempler (Operator Assistant I)  
Bob Valentine (Service Quality Leader)  
Ray Mildenerberger (Senior Field Sales Representative)

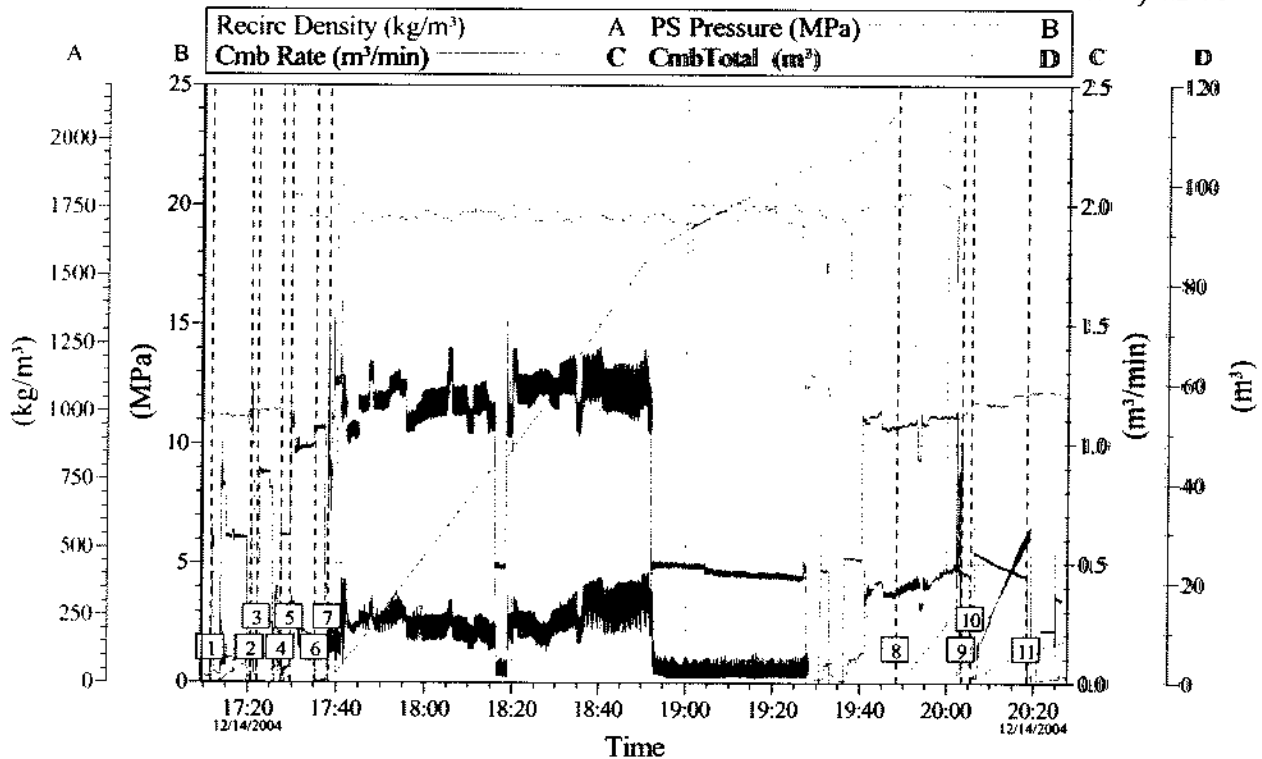
EQUIPMENT: 75TC4 Cement Pumper (10086606)  
339.73 mm Stab-in Super Seal II Float Collar  
339.73 mm Standard Super Seal II Float Shoe



## 5.2.2 JOB OUTLINE

1. Pump 4.5 m<sup>3</sup> Water ahead
2. Pressure Test
3. Pump 3 m<sup>3</sup> 10% CaCl<sub>2</sub> Water
4. Pump 1.5 m<sup>3</sup> Water
5. Pump 5 m<sup>3</sup> Super Flush 101
6. Pump 1 m<sup>3</sup> of Water
7. Pump 100 m<sup>3</sup> of Lead Cement @ 1680 kg/m<sup>3</sup>
8. Pump 15 m<sup>3</sup> of Tail Cement @ 1825 kg/m<sup>3</sup>
9. Pump 1 m<sup>3</sup> Water
10. Displace with 6.5 m<sup>3</sup> of Mud
11. Bleed back check if floats hold & Rig out HES

## SOUTH MEAGER GEOTHERMAL PROJECT WELL #2, INTER

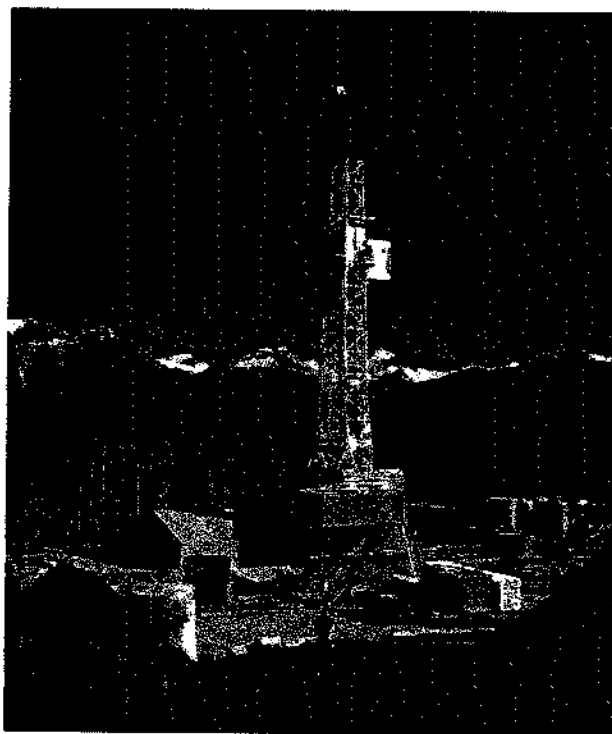


## 5.2.3 JOB SUMMARY

For this well the weight of the cement column was changed slightly to try and increase our chances of getting cement returns. We started pumping cement at 5:30 pm and we got flush back to surface, but then lost returns. The pump rate was slowed to 0.5 m<sup>3</sup>/min, we did some hesitation and got returns back. There was good cement to surface but we lost circulation again during displacement. Though a small top-up job was needed on the morning of December 15<sup>th</sup>, the job was deemed a success.

## 6 CONCLUSION

Halliburton appreciates the opportunity for work on such a high profile project. It was a pleasure working with your representative Russ Silva and the Precision 620 Drilling crew in Pemberton. We hope our quality of work meets your expectations. Halliburton maintains a continuous quality improvement process and appreciates any comments or suggestions that you may have. Halliburton Energy Services again thanks you for the opportunity to perform services on your wells. We hope to be your solutions provider for future projects



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## **Section 6: Operations Time Analysis, (RIMBase Files);**

- *Operations Time Analysis Data*
- *Operations Time Chart*

# Operations Time Analysis

Meager Creek Development Corp.

Well ID: MC-7

Well Name: South Meager MC-7

Page 1

Rig: Precision #620

	Total Hrs	% of Total
<b>Drill</b>		
Drilling Ahead w/ Connections	777.50	47.2
Directional Work	145.50	8.8
Circulate/Condition Mud	54.50	3.3
Reaming/Underreaming	32.50	2.0
Running Survey Tools	1.50	0.1
Total for Drill:	1011.50	61.4
<b>Trip</b>		
Tripping Out	184.50	11.2
Tripping in	125.00	7.6
BHA Operations	48.00	2.9
Wiper Trip	8.50	0.5
Total for Trip:	366.00	22.2
<b>BOP Ops</b>		
BOP Nipple Down	35.00	2.1
BOP Nipple Up	28.00	1.7
Other BOP Operations	5.00	0.3
BOP Testing	2.50	0.2
Total for BOP Ops:	70.50	4.3
<b>Evaluate</b>		
Well Evaluation	67.50	4.1
Testing Operations, DST etc	0.50	0.0
Total for Evaluate:	68.00	4.1
<b>Misc Other</b>		
Other Activity	21.50	1.3
Rig Service	11.00	0.7
Welding Operations	10.25	0.6
Cut and Slip Drill Line	5.50	0.3
Safety Meetings	1.00	0.1
Total for Misc Other:	49.25	3.0
<b>Cementing</b>		
Waiting On Cement	21.25	1.3
Primary Cement Operations	5.00	0.3
Secondary Cement Operations	3.50	0.2
Total for Cementing:	29.75	1.8
<b>Problem Time</b>		

## Operations Time Analysis

Meager Creek Development Corp.

Well ID: MC-7

Well Name: South Meager MC-7

Page 2

Rig: Precision #620

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	Total Hrs	% of Total
Waiting on Equipment	18.50	1.1
Losing Circ./Pumping LCM	6.50	0.4
Rig Repairs	4.00	0.2
Total for Problem Time:	29.00	1.8
Casing		
Running Casing	24.50	1.5
Total for Casing:	24.50	1.5
Total Elapsed Time for Well:	1648.50 hrs.	
Total Non-Productive Time for Well:	29.00 hrs.	1.8%
Total Productive Time for Well:	1619.50 hrs.	98.2%

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End of Report

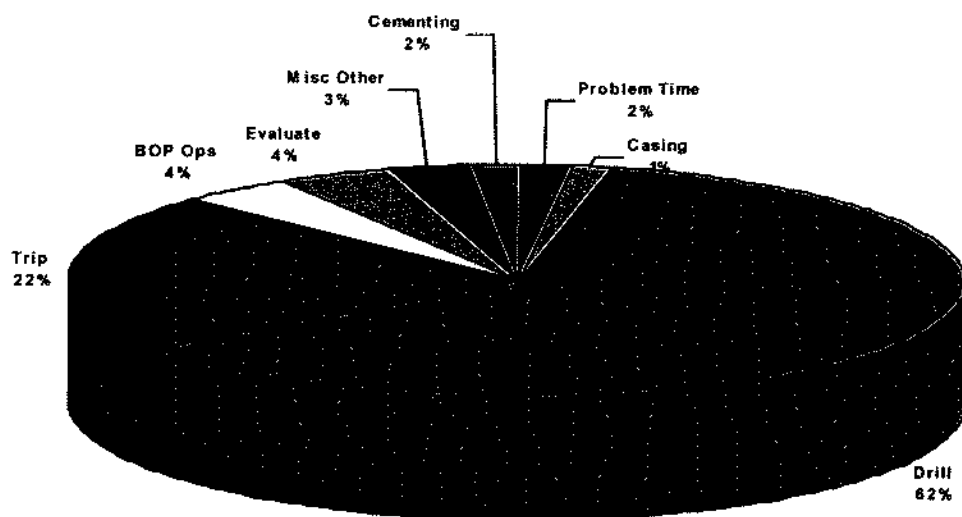


# Operations Time Graph

## Meager Creek Development Corp.

Well ID: MC-7

Analysis by Operations Group



Description	Time - hrs	%
Drill	1,011.50	61.36%
Trip	366.00	22.20%
BOP Ops	70.50	4.28%
Evaluate	68.00	4.12%
Misc Other	49.25	2.99%
Cementing	29.75	1.80%
Problem Time	29.00	1.76%
Casing	24.50	1.49%
Total Time	1,648.50 hrs.	

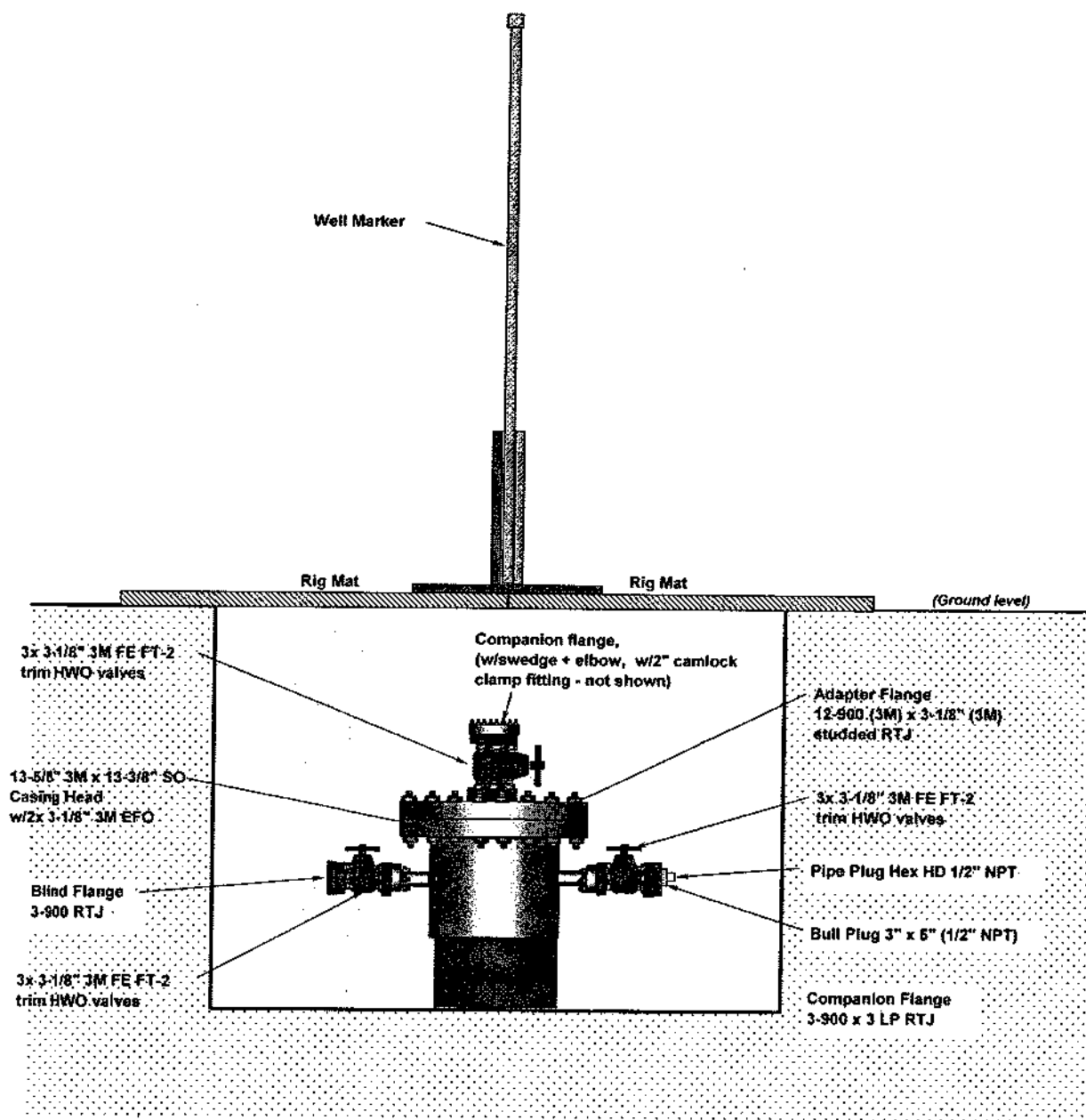


## **Section 7: MC-7 Wellhead** ***(Shut-in; October, 2005)***

## MC-7 Wellhead

(Shut-in October, 2006)

Note : Wellhead & cellar covered with 2x rig mats, (16ft x 8ft x 6")

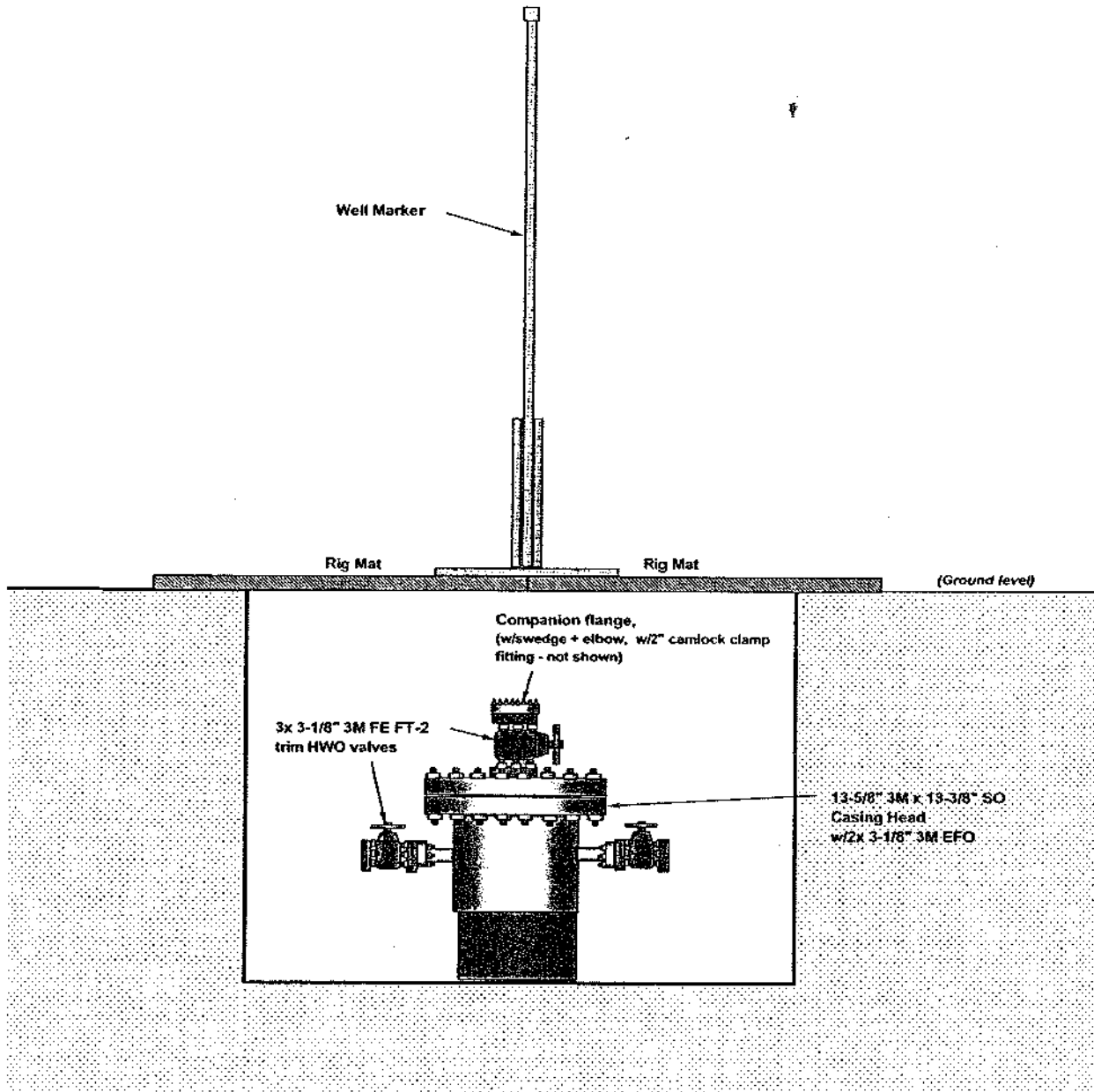


## MC-7 Wellhead

(Shut-in October, 2005)

Note: Wellhead & cellar covered with 2x rig mats, (16ft x 8ft x 6")

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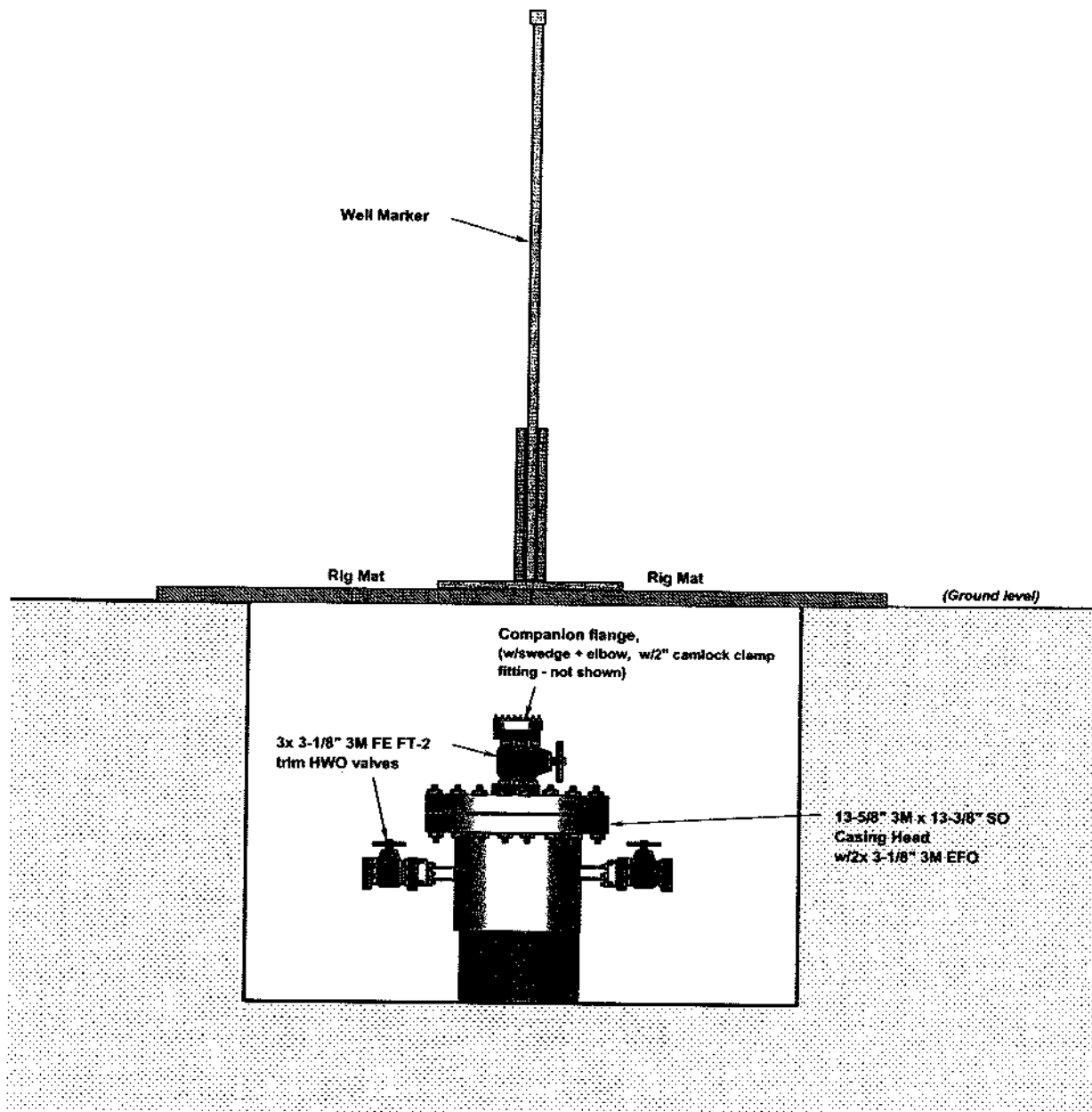


AJDR / Nov. 2005

## MC-7 Wellhead

(Shut-in October, 2005)

Note: Wellhead & cellar covered with 2x rig mats, (16ft x 8ft x 6")



AJDR / Nov. 2005

