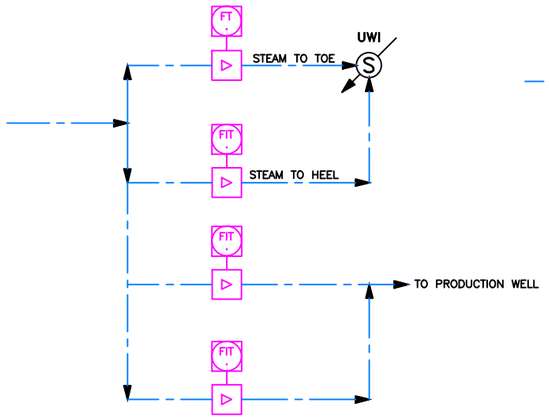
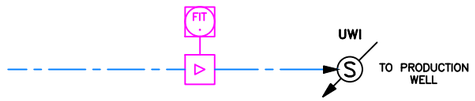
AB IF 0089451-506
HUSKY 12-28-064-04W4
HUSKY TUCKER 12-28 INJECTION
506-IN-SITU OIL SANDS INJECTION
OPERATOR: HUSKY OIL OPERATIONS LTD

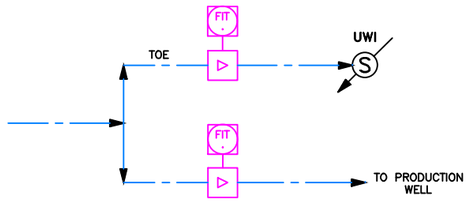
STEAM 7



STEAM 1



STEAM 9



900#
INJECTION STEAM FROM
MS-0001-04
12-28-064-04W4

WELL PAD GRAND RAPIDS							
WELL NAME	UWI	LSD	LIC/OPER	DETAIL	STATUS	TOE TAG	HEEL TAG
GA05S	107/15-32-064-04W4/00	07-32-064-04W4	HUSKY	STEAM 7	SAGD	FIC-505H	FIC-505J
GA06S	108/15-32-064-04W4/00	07-32-064-04W4	HUSKY	STEAM 7	SAGD	FIC-506H	FIC-506J
GA01S	118/16-32-064-04W4/00	07-32-064-04W4	HUSKY	STEAM 7	SAGD	FIC-501H	FIC-501J
GA02S	123/16-32-064-04W4/00	07-32-064-04W4	HUSKY	STEAM 7	SAGD	FIC-502H	FIC-502J
GA03S	124/16-32-064-04W4/00	07-32-064-04W4	HUSKY	STEAM 7	SAGD	FIC-503H	FIC-503J
GA04S	125/16-32-064-04W4/00	07-32-064-04W4	HUSKY	STEAM 7	SAGD	FIC-504H	FIC-504J

WELL PAD COLONY							
WELL NAME	UWI	LSD	LIC/OPER	DETAIL	STATUS	TOE TAG	HEEL TAG
CN2	102/13-16-064-04W4/00	05-21-064-04W4	HUSKY	STEAM 9	SAGD	FIC-602H	–
CN4	114/16-17-064-04W4/00	05-21-064-04W4	HUSKY	STEAM 9	SAGD	FIC-604H	–
CN6	100/16-17-064-04W4/00	05-21-064-04W4	HUSKY	STEAM 9	SAGD	FIC-606H	–
CN8	102/16-17-064-04W4/00	05-21-064-04W4	HUSKY	STEAM 9	SAGD	FIC-608H	–
CN10	103/16-17-064-04W4/00	05-21-064-04W4	HUSKY	STEAM 9	SAGD	FIC-610H	–
CN12	113/16-17-064-04W4/00	05-21-064-04W4	HUSKY	STEAM 9	SAGD	FIC-612H	–

WELL PAD COLONY							
WELL NAME	UWI	LSD	LIC/OPER	DETAIL	STATUS	TOE TAG	HEEL TAG
CN7	108/16-17-064-04W4/00	12-21-064-04W4	HUSKY	STEAM 1	SAGD	FIC-607G	–
CN9	109/16-17-064-04W4/00	12-21-064-04W4	HUSKY	STEAM 1	SAGD	FIC-609G	–

WELL PAD D							
WELL NAME	UWI	LSD	LIC/OPER	DETAIL	STATUS	TOE TAG	HEEL TAG
D16S	103/16-29-064-04W4/00	08-29-064-04W4	HUSKY	STEAM 9	SAGD	FIC-416H	–
D17S	106/16-29-064-04W4/00	08-29-064-04W4	HUSKY	STEAM 9	SAGD	FIC-417H	–
D18S	108/16-29-064-04W4/00	08-29-064-04W4	HUSKY	STEAM 9	SAGD	FIC-418H	–
D19S	110/16-29-064-04W4/00	08-29-064-04W4	HUSKY	STEAM 9	SAGD	FIC-419H	–
D20S	112/16-29-064-04W4/00	08-29-064-04W4	HUSKY	STEAM 9	SAGD	FIC-420H	–
D21S	114/16-29-064-04W4/00	08-29-064-04W4	HUSKY	STEAM 9	SAGD	FIC-421H	–
D22S	116/16-29-064-04W4/00	08-29-064-04W4	HUSKY	STEAM 9	SAGD	FIC-422H	–
D23S	102/16-29-064-04W4/00	08-29-064-04W4	HUSKY	STEAM 9	SAGD	FIC-423H	–

WELL PAD D							
WELL NAME	UWI	LSD	LIC/OPER	DETAIL	STATUS	TOE TAG	HEEL TAG
D6S	111/04-29-064-04W4/00	04-29-064-04W4	HUSKY	STEAM 9	SAGD	FIC-406H	–
D7S	116/04-29-064-04W4/00	04-29-064-04W4	HUSKY	STEAM 9	SAGD	FIC-407H	–
D8S	112/04-29-064-04W4/00	04-29-064-04W4	HUSKY	STEAM 9	SAGD	FIC-408H	–
D9S	103/05-29-064-04W4/00	04-29-064-04W4	HUSKY	STEAM 9	SAGD	FIC-409H	–
D10S	106/05-29-064-04W4/00	04-29-064-04W4	HUSKY	STEAM 9	SAGD	FIC-410H	–
D11S	107/05-29-064-04W4/00	04-29-064-04W4	HUSKY	STEAM 9	SAGD	FIC-411H	–
D12S	110/05-29-064-04W4/00	04-29-064-04W4	HUSKY	STEAM 9	SAGD	FIC-412H	–
D13S	116/05-29-064-04W4/00	04-29-064-04W4	HUSKY	STEAM 9	SAGD	FIC-413H	–
D14S	115/05-29-064-04W4/00	04-29-064-04W4	HUSKY	STEAM 9	SAGD	FIC-414H	–
D15S	112/05-29-064-04W4/00	04-29-064-04W4	HUSKY	STEAM 9	SAGD	FIC-415H	–

GASES
FLARE GAS
OIL/EMULSION
STEAM
CONDENSATE
WATER

SP SAMPLE POINT
PT PROVER TAPS
FLOW NOZZLE
S STRAINER
P PROBE STYLE OPTICAL
DCS
RTU PLC
NOA NET OIL ANALYZER
ROTAMETER
GOR TEMPORARY METER
CORIOLIS METER
ORIFICE METER
TURBINE METER
M MAGNETIC FLOW METER
VORTEX METER
MASS METER
THERMAL MASS METER
ULTRASONIC METER
POSITIVE DISPLACEMENT METER
V-CONE(WAFER CONE)METER
FR FLOW RECORDER
EST ESTIMATE
FQI FLOW TOTALIZER
PM PROCESS METER

NOTES

1 FOUR METER INSTALLATION EXISTS AND FLOW METER USE IS DEPENDENT UPON THE WELL CONTROL MODE.

ENGINEERING COMPANY PERMIT STAMP

REGISTERED PROFESSIONAL ENGINEER STAMP

6	MS-0010-01	LACT UNIT
5	MS-0007-01 & 02	STEAM INJECTION SYSTEM
4	MS-0004-01	WATER DISPOSAL SYSTEM
3	MS-0002-01 TO 07	WELLS/FIELD
2	MS-0001-03 & 04	FACILITY DRAWING
1	MS-0000-01	AREA OVERVIEW
REF	DRAWING NUMBER	DRAWING TITLE

REFERENCE DRAWINGS

REV	DATE	DESCRIPTION	BY	CHK	ENG	APR
6	2018/03/20	UPDATED FROM MARK UPS FROM ELSIE GUERRA	SK	EG	EG	EG
5	2017/01/19	UPDATED FROM MARK UPS FROM ALLYSON HADLAND	SK	AH	AH	AH
4	2016/08/12	NO UPDATES FOR THIS REVISION FROM ALLYSON HADLAND	PC		AH	AH
3	2016/02/24	UPDATED FROM MARK UPS FROM ALLYSON HADLAND	SK	BRM	AH	AH
2	2015/10/29	NO UPDATES FOR THIS REVISION FROM ALLYSON HADLAND	BRM	AH	AH	AH
7	2018/08/07	UPDATED FROM MARK UPS FROM ANMOL BANSAL	SK	AB	AB	AB

REVISION HISTORY

Husky Oil Operations Limited

TUCKER CENTRAL PLANT 12-28-064-04W4
WELL PADS GRAND RAPIDS, COLONY & D NORTH

TITLE
STEAM INJECTION SYSTEM
MEASUREMENT SCHEMATIC

SURFACE LOCATION	12-28-064-04W4	
ALTERNATE DWG NUMBER		REV NO
HUSKY DWG NUMBER	12-28-064-04W4-MS-0007-03	7
VENDOR DWG NUMBER		SCALE
AMU/FLOC NUMBER	S2-01-001-00001	NTS
DCN NO	PROJECT NO MS-OS-TT	