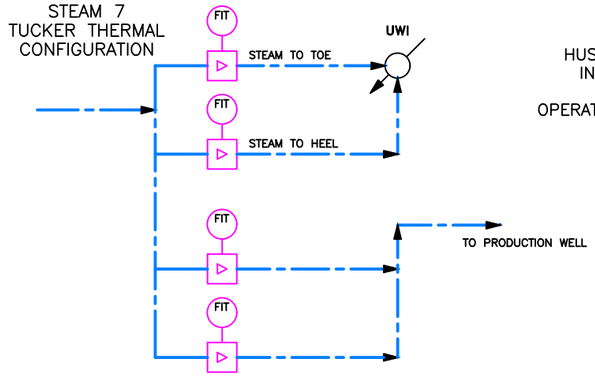
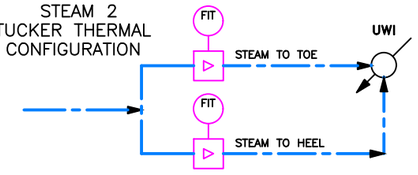
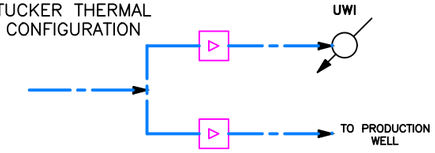


AB IF 0089451
HUSKY 12-28-064-04W4
HUSKY TUCKER 12-28 INJECTION
IN-SITU OIL SANDS INJECTION
LICENSEE: UNKNOWN
OPERATOR: HUSKY OIL OPERATIONS LTD





600#
INJECTION STEAM FROM
MS-0001-01
12-28-064-04W4

AB IF 0089451 — WELL PAD C

WELL NAME	UWI	LSD	LIC/OPER	DETAIL	STATUS	FUEL	TOE	HEEL
C20S	105/07-28-064-04W4/00	09-29-064-04W4	HUSKY	STEAM 7	PRODUCING	–	FIC-320E	FIC-320F
C17S	103/10-28-064-04W4/00	09-29-064-04W4	HUSKY	STEAM 7	PRODUCING	–	FIC-317E	FIC-317F
C16S	105/10-28-064-04W4/00	09-29-064-04W4	HUSKY	STEAM 7	PRODUCING	–	FIC-316E	FIC-316F
C18S	107/10-28-064-04W4/00	09-29-064-04W4	HUSKY	STEAM 7	PRODUCING	–	FIC-318E	FIC-318F
C19S	108/10-28-064-04W4/00	09-29-064-04W4	HUSKY	STEAM 7	PRODUCING	–	FIC-319E	FIC-319F
C13S	104/15-28-064-04W4/00	16-29-064-04W4	HUSKY	STEAM 7	PRODUCING	–	FIC-313E	FIC-313F
C15S	106/15-28-064-04W4/00	09-29-064-04W4	HUSKY	STEAM 7	PRODUCING	–	FIC-315E	FIC-315F
C14S	108/15-28-064-04W4/00	16-29-064-04W4	HUSKY	STEAM 7	PRODUCING	–	FIC-314E	FIC-314F

AB IF 0089451 — WELL PAD C

WELL NAME	UWI	LSD	LIC/OPER	DETAIL	STATUS	FUEL	TOE	HEEL
C1R	108/11-29-064-04W4/00	09-29-064-04W4	HUSKY	STEAM 2	PRODUCING	–	FIC-301C	FIC-301D
C2R	115/12-29-064-04W4/00	09-29-064-04W4	HUSKY	STEAM 2	PRODUCING	–	FIC-302C	FIC-302D
C3R	116/12-29-064-04W4/00	09-29-064-04W4	HUSKY	STEAM 2	PRODUCING	–	FIC-303C	FIC-303D
C4R	117/12-29-064-04W4/00	09-29-064-04W4	HUSKY	STEAM 2	PRODUCING	–	FIC-304C	FIC-304D
C6R	112/13-29-064-04W4/00	16-29-064-04W4	HUSKY	STEAM 2	PRODUCING	–	FIC-306C	FIC-306D
C7R	113/13-29-064-04W4/00	16-29-064-04W4	HUSKY	STEAM 2	PRODUCING	–	FIC-307C	FIC-307D
C5R	111/13-29-064-04W4/00	09-29-064-04W4	HUSKY	STEAM 2	PRODUCING	–	FIC-305C	FIC-305D
C8R	114/13-29-064-04W4/00	16-29-064-04W4	HUSKY	STEAM 2	PRODUCING	–	FIC-308C	FIC-308D
C9S	104/07-32-064-04W4/00	16-29-064-04W4	HUSKY	STEAM 2	PRODUCING	–	FIC-309C	FIC-309D

AB IF 0089451 — WELL PAD D EAST

WELL NAME	UWI	LSD	LIC/OPER	DETAIL	STATUS	FUEL	TOE	HEEL
D24S	106/07-28-064-04W4/00	07-28-064-04W4	HUSKY	STEAM 12	PRODUCING	–	FIC-424H	FIC-424H
D25S	107/07-28-064-04W4/00	07-28-064-04W4	HUSKY	STEAM 12	PRODUCING	–	FIC-425H	FIC-425H
D26S	108/07-28-064-04W4/00	07-28-064-04W4	HUSKY	STEAM 12	PRODUCING	–	FIC-426H	FIC-426H
D27S	109/07-28-064-04W4/00	07-28-064-04W4	HUSKY	STEAM 12	PRODUCING	–	FIC-427H	FIC-427H
D28S	110/07-28-064-04W4/00	07-28-064-04W4	HUSKY	STEAM 12	PRODUCING	–	FIC-428H	FIC-428H
D29S	117/07-28-064-04W4/00	07-28-064-04W4	HUSKY	STEAM 12	PRODUCING	–	FIC-429H	FIC-429H
D30S	116/02-28-064-04W4/00	02-28-064-04W4	HUSKY	STEAM 12	PRODUCING	–	FIC-430H	FIC-430H
D31S	114/02-28-064-04W4/00	02-28-064-04W4	HUSKY	STEAM 12	PRODUCING	–	FIC-431H	FIC-431H
D32S	118/02-28-064-04W4/00	02-28-064-04W4	HUSKY	STEAM 12	PRODUCING	–	FIC-432H	FIC-432H
D33S	119/02-28-064-04W4/00	02-28-064-04W4	HUSKY	STEAM 12	PRODUCING	–	FIC-433H	FIC-433H
D34S	117/02-28-064-04W4/00	02-28-064-04W4	HUSKY	STEAM 12	PRODUCING	–	FIC-434H	FIC-434H
D35S	120/02-28-064-04W4/00	02-28-064-04W4	HUSKY	STEAM 12	PRODUCING	–	FIC-435H	FIC-435H
D36S	121/02-28-064-04W4/00	02-28-064-04W4	HUSKY	STEAM 12	PRODUCING	–	FIC-436H	FIC-436H
D37S	110/02-28-064-04W4/00	02-28-064-04W4	HUSKY	STEAM 12	PRODUCING	–	FIC-437H	FIC-437H
D38S	113/02-28-064-04W4/00	02-28-064-04W4	HUSKY	STEAM 12	PRODUCING	–	FIC-438H	FIC-438H

GASES — OIL/EMULSION — CONDENSATE
FLARE GAS — STEAM — WATER

SP SAMPLE POINT
PT PROVER TAPS
FLOW NOZZLE
S STRAINER
P PROBE STYLE OPTICAL
FR DCS
RTU PLC
NOA NET OIL ANALYZER
ROTAMETER
GOR TEMPORARY METER
PM PROCESS 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
FQI FLOW TOTALIZER

NOTES

1 TWO METER INSTALLATION ONLY, ACCESS TO ROUTE STEAM TO PRODUCTION WELL NOT AVAILABLE.

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

ENGINEERING COMPANY PERMIT STAMP

REGISTERED PROFESSIONAL ENGINEER STAMP

REF	DRAWING NUMBER	DRAWING TITLE
6		
5		
4		
3		
2	MS-0007-03	STEAM INJECTION SYSTEM
1	MS-0007-01	STEAM INJECTION SYSTEM

REFERENCE DRAWINGS

REV	DATE	DESCRIPTION	BY	CHK	ENG	APR
6	2016/02/24	UPDATED FROM MARK UPS FROM ALLYSON HADLAND	SK	BRM	AH	AH
5	2015/10/29	UPDATED FROM MARK UPS SUPPLIED BY ALLYSON HADLAND	BRM	AH	AH	AH
10	2017/03/06	UPDATED FROM MARK UPS FROM ELSIE GUERRA	SK	EG	EG	EG
9	2017/01/19	UPDATED FROM MARK UPS FROM ALLYSON HADLAND	SK	AH	AH	AH
8	2016/08/12	UPDATED FROM MARK UPS SUPPLIED BY ALLYSON HADLAND	PC	AH	AH	AH
7	2016/08/12	UPDATED PER MARK UPS FROM ALLYSON HADLAND	PC		AH	AH

REVISION HISTORY

Husky Oil Operations Limited

TUCKER CENTRAL PLANT 12-28-064-04W4
WELL PADS C AND D EAST

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-0007-02	10
VENDOR DWG NUMBER		SCALE
AMU/FLOC NUMBER	S2-01-001-00001	NTS
DCN NO	PROJECT NO MS-OS-TT	