



PO&G Operating LLC
Wellbore Sketch

Date **October 1, 2021**

Well Name **HRMU #5 (Doyle 34-1 #4)**
Field Name **Harker Ranch**
County **Cheyenne**
State **Colorado**

Legal Location **SW SE Sec 1, 13S, 43W**

Coordinates:

KB: **4028'**

Unit No.

GL: **4018'**

API No. **05-017-07157**

CASING

Size	Description	Top	Bottom
8 5/8"	24#, J-55 ST&C	0'	627'
5 1/2"	15.5#, M-50, LT&C	0'	5300'

CEMENT

Pipe Size	Description
8 5/8"	275 sx Lite, 3% CaCl ₂ , 1/4# cf + 75 sx Class A, 3% CaCl ₂ . Circ 35 sx to pit.
5 1/2"	100 sx 50/50 Poz, 2% gel, 0.2% FL-28, 3% KCl, 1/4# CF + 150 sx Class A, 3% KCl, 0.6% FL, 1/4# CF.

TUBING STRING

Description	Length	Depth
157-2-7/8	5102.5	5102.5

RODS / PUMP

Description	Length	Depth
SUB PUMP	44.28	5149
PROTECTOR	11.15	
60HP MOTOR,	26.46	5184.39

PUMPING UNIT

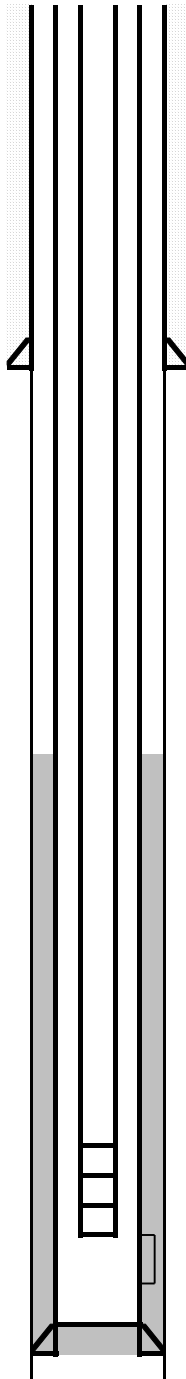
Manuf'r:	
API Size:	
Crank Hole:	

PRIME MOVER

TYPE	SIZE
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FLUID PROPERTIES

API Grav	Chlorides
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Morrow Perfs:

5196'-5200' 850 GALS 15% HCL+150 GAL XYLENE
30 BS'S FOLLOWED BY 30BBL 2% KCL WATER

2/24/2006

PBTD **5221'**

RTD **5300'**