

OPERATOR: <u>Summit Oil & Gas LLC - 10774</u>	CNTY: <u>Weld</u>	FTG: <u>1980 FNL and 1980 FWL</u>	IP GAS: <u>0</u>
WELL: <u>Houston #4-X</u>	STATE: <u>CO</u>	Q-Q: <u>SENW</u>	IP OIL: <u>0</u>
FIELD: <u>Wildcat - 99999</u>	ROTARY SPUD: <u>6-Nov-89</u>	SEC.: <u>3</u>	IP WTR: <u>0</u>
API # <u>05-123-13455</u>	COMP/PA: <u>20-Apr-90</u>	TWS: <u>7N</u>	CUM GAS: <u></u>
LEASE #: <u>-</u>	STATUS: <u>PA</u>	RGE: <u>59W</u>	CUM OIL: <u></u>
UIC #: <u>-</u>	WBD DATE: <u>12-Apr-22</u>	BY: <u>SMB</u>	CUM WTR: <u></u>
BASIN: <u>Denver - Julesburg</u>	LAT/LONG: <u>40.605716/-103.966008</u>	LAST PROD: <u></u>	

WCR 86 & Hwy 14. W 0.5. S 0.5. E 0.5.

Not to Scale

CASING HEAD: **None**

WELLHEAD: None

CASING RECORD

[illegible]

Float Collar @

TUBING RECORD

COND: DATE:

SIZE (in)	WT (lb/ft)	GRADE	TOP (ft)	TALLY (ft)	JTS

ITEM	DESC	SIZE (in)	TALLY (ft)	JTS

PERFORATION RECORD

[illegible]

WELLWORK HISTORY

PA since 1990

Install wellhead, MIRU WO RIG/Drilling rig, NU BOP's with full BOP test.

Wash down to top of Niobrara or 5886'. If wellbore is not static circulate produced fluid out and mud up to a minimum of 9 ppg for a static wellbore. This static fluid weight will be placed between all plugs.

Leave Original Plug #1 and Plug #2 in place.

Plug 1 = Sand from 6802' to 6500'

Plug 2 = 5 sx cement from 6434' to 6500'

Run a gyro survey down tubing from 5886' to surface with 200' stations.

Fresh Water spacer ahead and behind all balanced plugs

Class G neat cement with minimum compressive strength of 300psi after 24hr and 800psi after 72hr measured at 95deg F or minimum expected downhole temp and 800 psi confining pressure
Cement batch test no older than 6 months will be kept on record

**Pump Plug #1 to gain 100' of coverage above the Niobrara at the casing stub.
5% washout and 1.15 cf/sx Class G = 65 sx for 200' coverage
Plug is from 5836' to 5636' - TAG PLUG**

**Pump Plug #2 to gain 100' of coverage below the base of the Upper Pierre
5% washout and 1.15 cf/sx Class G = 65 sx for 200' coverage
Plug is from 1741' to 1541' - TAG PLUG**

Pump Plug #3 to gain 100' of coverage below the Base of the Laramie Fox Hills and 50' of cement above surface casing shoe
5% washout and casing and 1.15 cf/sx Class G = 145 sx for 450' coverage
Plug is from 631' to 181' - TAG PLUG

Pump Plug #4 to gain cement from 50' to surface
Casing and 1.15 cf/sx Class G = 16 sx for 50' coverage
Plug is from 50' to 0' - TOP OFF AS NEEDED

Between 5 and 90 days after plugging cut and cap below plow depth. Cap will include a weep hole, legal location, well name and number and api number

KBE: 4941 '

KB: 10

GLE: 4931

Plug #4

TD (ft): 6825

PBTD (ft): 0

Plug #3 - TAG PLUG

8.625" 24# Csg @ 231 '
w/ 145 sxs

Top Laramie Shale @	1
Base Laramie Shale @	201
Top Laramie-Fox Hills @	201
Base Laramie-Fox Hills @	531
Top Pierre Shale @	531
Base Pierre Shale @	821
Top Upper Pierre @	821
Base Upper Pierre @	1541
Top Niobrara @	5886
Top Codell @	6134
Top DSND @	6692
Top JSND @	6780

Plug #2 - TAG PLUG

Plug #1 TAG PLUG

Cut and pulled @ 5920 '

Primary TOC @ 6167 '5% Washout and 1.15 cf/sx

Original Plug #2
Original Plug #1

Perforations @ 6692 '
to 6724 '

4.5" 11.6# Csg @ 6824 '
w/ 150 sxs

TD @ 6825 '
7.875 " Hole