Hilcorp Energy Company

Current Schematic

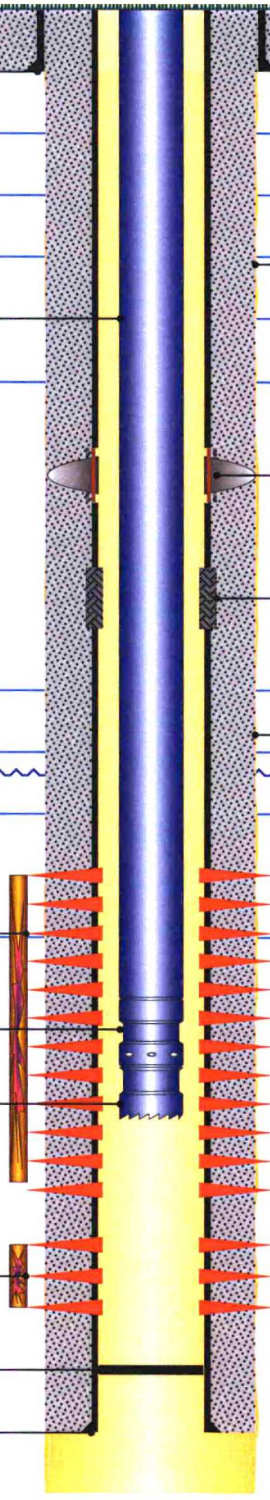
Well Name: FEDERAL GAS COM H #1E

API / UWI	Surface Legal Location	Field Name	Route	State/Province	Well Configuration Type
3004526122	T30N-R12W-S31	Basin Dakota	0209	New Mexico	Vertical

Ground Elevation (ft)	Original KB/RT Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)
5,459.00	5,473.00	14.00		

Vertical, Original Hole, 9/5/2019 7:48:08 AM

MD (ftKB)	TVD (ftKB)	Vertical schematic (actual)
14.1		
411.1		1; Surface; 8 5/8 in; 8.10 in; 14.00 ftKB; 411.00 ftKB
629.9		Ojo Alamo (final)
984.9		Fruitland (final)
1,509.8		Pictured Cliffs (final)
3,109.9		Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 14.00 ftKB; 6,158.14 ftKB
3,230.0		Menefee (final)
3,404.9		
3,407.2		
3,649.9		
3,683.1		
3,904.9		Point Lookout (final)
5,194.9		Gallup (final)
5,955.1		Mancos (final)
6,060.0		
6,120.1		Da Perforated; 6,060.00-6,172.00; 4/5/1985
6,158.1		
6,158.8		Seat Nipple; 2 3/8 in; 6,158.14 ftKB; 6,158.84 ftKB
6,159.1		Notched Collar; 2 3/8 in; 6,158.84 ftKB; 6,159.24 ftKB
6,171.9		
6,211.9		
6,237.9		Perforated; 6,212.00-6,238.00; 3/22/1985
6,248.0		PBTD; 6,248.00
6,288.1		2; Production; 4 1/2 in; 4.00 in; 14.00 ftKB; 6,288.00 ftKB
6,388.1		



Cement; 14.00-411.00
Cement; 14.00-3,405.00
Cement Squeeze; 3,405.00-3,407.00
Cement Squeeze; 3,650.00-3,683.00; 12/29/2015; Sqzd csg lk fr/3,650' - 3,683' w/200 sxs Type III neat & 0.2% FL-52 (mixed @ 14.6 ppg, 1.37 cu ft/sx yield, 274 cu/ft). Ppd dwn tbg w/49 bbls cmt. Disp w/12.5 BFW. Hesitation sqz on disp. Final sqz press 1,900 psig.
Cement; 3,405.00-6,288.00

Hydraulic Fracture; IHS 297 Well Import
Test number: 001
Measurement: gal lb
Remarks: 70 quality,sffr:orig

**** XTO StimTreat data ****

Top Perf (ftKB):
Bottom Perf (ftKB):
Top Perf TVD (ftKB):
Bottom Perf TVD (ftKB):
5 Min (psi):
10 Min (psi):
15 Min (psi):
Frac Interval TVD (ftKB):
Initial Frac Gradient:
AIR (bbl/min):
ATP (psi):
MIR (bbl/min):
SICP (psi):
Breakdown Pressure (psi):
Ball Seat ?:
Designed Water (bbl):
Total Water Pumped (bbl):
Proppant Type:
Total Proppant (lb):
Flush Volume (bbl):
% Pad (%):
Surfactant Type:
Surfactant Volume (gal):
Surfactant Average Concentration:
Bactericide Type:
Bactericide Volume (gal):
Bactericide Average Concentration:

Hydraulic Fracture; IHS 297 Well Import
Test number: 001
Measurement: gal lb
Remarks: 30#, swfr:orig treat

**** XTO StimTreat data ****

Top Perf (ftKB):
Bottom Perf (ftKB):
Top Perf TVD (ftKB):
Bottom Perf TVD (ftKB):
5 Min (psi):
10 Min (psi):
15 Min (psi):
Frac Interval TVD (ftKB):
Initial Frac Gradient:
AIR (bbl/min):
ATP (psi):
MIR (bbl/min):
SICP (psi):
Breakdown Pressure (psi):
Ball Seat ?:
Designed Water (bbl):
Total Water Pumped (bbl):
Proppant Type:
Total Proppant (lb):
Flush Volume (bbl):
% Pad (%):
Surfactant Type:
Surfactant Volume (gal):
Surfactant Average Concentration:
Bactericide Type:
Bactericide Volume (gal):
Bactericide Average Concentration: