Hilcorp Energy Company

Current Schematic

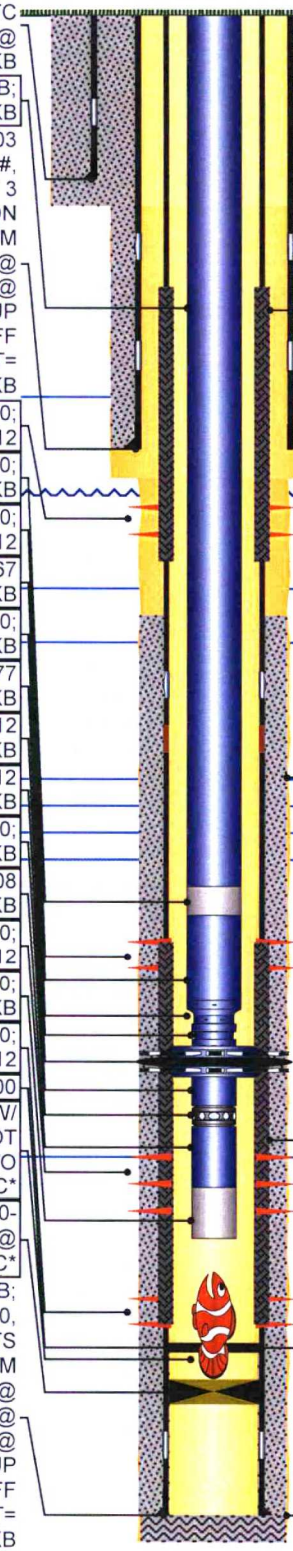
Well Name: UTE MOUNTAIN UTE #107

API / UWI	Surface Legal Location	Field Name	Route	State/Province	Well Configuration Type
3004535307	M-23-32N-14W	Ute Dome Paradox	0200	New Mexico	Deviated

Ground Elevation (ft)	Original KB/RT Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)
6,147.00	6,162.00	15.00		

Deviated, Original Hole, 8/28/2019 1:24:49 PM

MD (ftKB)	TVD (ftKB)	Vertical schematic (actual)
0.0	0.0	L 1; Surface; 13 3/8 in; 12.72 in; 15.01 ftKB;
	15.1	RAN 18 JTS OF 13 3/8" 48#, H-40 STC
16.7	16.7	CSG, SET @ 791', F.S. @ 789.2', F.C. @
	19.0	745'; 791.00 ftKB
745.1	745.1	Tubing; 2 7/8 in; 6.50 lb/ft; L-80; 15.00 ftKB;
	746.4	9,201.42 ftKB
789.0	789.0	2; Intermediate 1; 8 5/8 in; 7.92 in; 15.03
	791.0	ftKB; PJSM - RUN 132 JTS OF 8 5/8", 32#,
811.0	811.0	J-55, LTC CSG TO 3515' (WASH LAST 3
	2,129.5	JTS DWN) - TAG BTM @ 3520' - CIRC ON
2,163.1	2,132.0	BTM F/2 HRS - CSG = FLT SHOE (BTTM
	2,166.7	@ 5515'), 1 JT CSG, FLT CLR (TOP @
5,470.1	5,232.6	5471'), 79 JTS CSG, STAGE TOOL @
	5,233.0	2161', 52 JTS CSG (4 1/2' STICK UP
5,471.5	5,233.9	ABOVE ROTERY TABLE. TO BE CUT OFF
	5,245.6	AFTER CMT) - PU WT= 175K, SO WT=
5,514.1	5,274.1	105K, NEU WT= 120K; 5,515.00 ftKB
	5,275.1	SQUEEZE PERFS; 7,080.00-7,081.00;
5,520.0	5,279.7	2/29/2012
	6,754.9	Tubing Pup Joint; 2 7/8 in; 6.50 lb/ft; L-80;
7,081.0	6,755.8	9,201.42 ftKB; 9,205.67 ftKB
	6,757.7	SQUEEZE PERFS; 9,210.00-9,211.00;
7,160.1	6,831.1	2/17/2012
	6,964.7	R Tubing; 2 7/8 in; 6.50 lb/ft; L-80; 9,205.67
7,438.0	7,097.7	ftKB; 9,237.27 ftKB
	7,374.0	HONA Cross Over; 2 7/8 in; 4.70 lb/ft; L-80;
7,731.0	7,376.4	9,237.27 ftKB; 9,237.67 ftKB
	7,805.7	On-off tool; 2 3/8 in; 9,237.67 ftKB; 9,238.77
8,201.8	7,814.8	ftKB
	7,979.7	Packer; 4.89 in; 9,238.77 ftKB; 9,246.12
8,582.0	8,166.9	ftKB
	8,309.9	IS Tubing; 2 3/8 in; 4.70 lb/ft; L-80; 9,246.12
8,915.0	8,473.0	D ftKB; 9,277.27 ftKB
	8,738.4	Ceramic disc sub; 2 3/8 in; 4.70 lb/ft; L-80;
9,205.7	8,742.4	9,277.27 ftKB; 9,278.08 ftKB
	8,746.3	Tubing; 2 3/8 in; 4.70 lb/ft; L-80; 9,278.08
9,211.0	8,747.3	ftKB; 9,309.18 ftKB
	8,771.6	PERF - ALKALI GULCH; 9,302.00-9,310.00;
9,237.5	8,771.9	3/13/2012
	8,773.1	Tubing Pup Joint; 2 3/8 in; 4.70 lb/ft; L-80;
9,246.1	8,779.8	9,309.18 ftKB; 9,313.28 ftKB
	8,808.8	SQUEEZE PERFS; 9,362.00-9,363.00;
9,278.2	8,809.7	2/17/2012
	8,831.7	PBTD; 9,365.00
9,309.1	8,838.4	Fish; 9,361.00-9,380.00; BULL PLUG W/
	8,839.4	PRESSURE FH, TOP AND BOTTOM SHOT
9,313.3	8,842.4	SUB, SAFETY SPACER AND AUTO
	8,887.0	RELEASE FIRING HEAD. *NOQC*
9,361.9	8,887.9	Bridge Plug - Permanent; 9,380.00-
	8,888.8	9,382.00; SET WEATHERFORD CIBP @
9,365.2	8,891.0	9,380' *NOQC*
	8,904.8	3; Production; 5 1/2 in; 4.89 in; 14.99 ftKB;
9,381.9	8,906.7	PJSM - RUN 221 JTS OF 5 1/2", 17#, L-80,
	8,920.6	LTC CSG TO 9442' (WASH LAST 3 JTS
9,397.3	8,921.2	DWN) - TAG BTM @ 9452 - CIRC ON BTM
	8,962.3	F/2 HRS - CSG = FLT SHOE (BTTM @
9,441.9	8,963.2	9442'), 1 JT CSG, FLT CLR (TOP @
	8,972.8	9396.5'), 39 JTS CSG, STAGE TOOL @ 7728.4', 181 JTS CSG (4 1/2' STICK UP ABOVE ROTERY TABLE. TO BE CUT OFF AFTER CMT) - PU WT= 150K, SO WT= 100K, NEU WT= 110K; 9,442.00 ftKB



Surface Casing Cement; 15.00-791.00; 12/3/2011; PJSM - R/U CMNTRS - TEST LINES TO 3000 PSI
- PUMP 25 BBL FW
MIX & PMP 920 SX (204 BBL) OF LEAD CMT TYPE 3 + 1/4 LBS/SX CELLOFLAKE @ 15.2 PPG, 1.25 CU FT/SX, 5.75 GAL/SX
DRP PLG & DISP W/ 171 BBLS FW, 360 FCP - BUMP PLG W/ 980 PSI, CHK FLOATS, OK, 1 BBL BLEED BACK - PLUG DOWN @ 012:23 HRS 12/3/2011 - R/D CMNTRS ... NOTE: 127 BBLS CMT TO SURFACE

Surface Casing Cement (plug); 745.00-791.00; 12/3/2011; PJSM - R/U CMNTRS - TEST LINES TO 3000 PSI
- PUMP 25 BBL FW,
MIX & PMP 920 SX (204 BBL) OF LEAD CMT TYPE 3 + 1/4 LBS/SX CELLOFLAKE @ 15.2 PPG, 1.25 CU FT/SX, 5.75 GAL/SX
DRP PLG & DISP W/ 171 BBLS FW, 360 FCP - BUMP PLG W/ 980 PSI, CHK FLOATS, OK, 1 BBL BLEED BACK - PLUG DOWN @ 012:23 HRS 12/3/2011 - R/D CMNTRS ... NOTE: 127 BBLS CMT TO SURFACE

Intermediate Casing Cement; 15.00-5,515.00; 12/15/2011; PJSM - R/U CMT EQUIP - TEST LINES 3500 PSI - 1ST STAGE CMT = 15 BBL GEL MUD, 4 BBL FW, MIX & PMP 13 BBL OF 11 PPG SCVNGR CMT, 237 BBL OF 12.5 PPG LEAD CMT & 51 BBL OF 14.6 PPG CMT - DRP PLG & DISP W/210 BBLS FW, 123 BBL MUD, FCP 1450 PSI, BUMP PLG W/ 1783 PSI, HOLD PRESSURE F/10 MIN, CHK FLOATS, OK, 1.5 BBL BLEED BACK - PLUG DOWN @ 05:36 HRS 12/15/11 - R/D CMT HEAD & DROP SLEEVE OPENING BOMB - INST CIRC SWEDGE & VALVE ON CSG
DID NOT PUMP 2ND STAGE DUE TO CMT RETURNS TO SURFACE ON FIRST STAGE, DURING DISPLACEMENT

Remedial Cement Squeeze; 2,200.00-7,083.00; 3/1/2012; PT LINES TO 4,000 PSI
EST RATE @ 2.0 BPM & 2,700 PSI, PUMPED 10 BBL SPACER @ 2.7 BPM AND 2,850 PSI
PUMPED 211 SKS (75 BBLS) PREMIUM LIGHT HIGH STRENGTH FM + 0.25 LBS/SK + 0.3% bwoc CD-32 + 6.25 LBS/SK LCM-1+1% bwoc FL-52 + 98.1% FRESH WATER @ 12.5 PPG W/ YIELD OF 1.99 CF/SK
DISPLACED THRU 2 7/8" TBG W/ 43.5 BBLS H2O, ISDP= 2,530 PSI, 15 MIN SI= 2,030 PSI

Production Casing Cement; 7,300.00-9,442.00; 1/5/2012; 5 BBLS OF FRESH WATER TO FLUSH OUT CEMENT LINES TO PIT
PRESSURE TEST TO 4500 PSI FOR 5 MIN, PUMP 10 BBLS OF MUD FLUSH FOLLOWED BY 2 BBLS OF FRESH WATER
SCAVENGER 17SX (10 BBLS) @ 11PPG, 3.10 CU FT/SX, 9.80 GAL/SX PREMIUM LITE HS FM W/1% FL-52, 1/4#/SX CELLOFLAKE, 6.25#/SX LCM-1, 0.3% CD-32
LEAD 87 SX (31 BBLS) @ 12.5 PPG, 1.98 CU FT/SX, 9.8 GAL/SX PREMIUM LITE HS FM W/1% FL-52, 1/4#/SX CELLOFLAKE, 6.25#/SX LCM-1, 0.3% CD-32
TAIL 136SX (33 BBLS) @ 14.6 PPG, 1.37 CU FT/SX, 6.61 GAL/SX TYPE 3 W/ 0.2% R-3, 0.2% CD-32, 0.4% FL-52
SHUT DOWN AND MANUALY DROP PLUG. DISPLACE WITH 50 BBLS H2O FOLLOWED BY 169 BBLS MUD. PLUG DID NOT BUMP FINAL CIRC PRESSURE 840 PSI. SEVERAL ATTEMPTS TO BUMP PLUG (20 BBLS OVER DISPLACEMENT)

Production Casing Cement; 9,210.00-9,363.00; 2/18/2012; PUMPED 27 SKS (9.5 BBLS) PREMIUM LIGHT HIGH STRENGTH FM + 0.3% bwoc CD-32 + 1% bwoc FL-52 + 98.1% FRESH WATER @ 12.5 PPG W/ YIELD OF 1.98

Production Casing Cement (plug); 9,365.00-9,442.00; 1/5/2012; 5 BBLS OF FRESH WATER TO FLUSH OUT CEMENT LINES TO PIT
PRESSURE TEST TO 4500 PSI FOR 5 MIN, PUMP 10 BBLS OF MUD FLUSH FOLLOWED BY 2 BBLS OF FRESH WATER
SCAVENGER 17SX (10 BBLS) @ 11PPG, 3.10 CU FT/SX, 9.80 GAL/SX PREMIUM LITE HS FM W/1% FL-52, 1/4#/SX CELLOFLAKE, 6.25#/SX LCM-1, 0.3% CD-32
LEAD 87 SX (31 BBLS) @ 12.5 PPG, 1.98 CU FT/SX, 9.8 GAL/SX PREMIUM LITE HS FM W/1% FL-52, 1/4#/SX CELLOFLAKE, 6.25#/SX LCM-1, 0.3% CD-32
TAIL 136SX (33 BBLS) @ 14.6 PPG, 1.37 CU FT/SX, 6.61 GAL/SX TYPE 3 W/ 0.2% R-3, 0.2% CD-32, 0.4% FL-52
SHUT DOWN AND MANUALY DROP PLUG. DISPLACE WITH 50 BBLS H2O FOLLOWED BY 169 BBLS MUD. PLUG DID NOT BUMP FINAL CIRC PRESSURE 840 PSI. SEVERAL ATTEMPTS TO BUMP PLUG (20 BBLS OVER DISPLACEMENT)

Production Casing Cement; 9,442.00-9,452.00; 1/5/2012; 5 BBLS OF FRESH WATER TO FLUSH OUT CEMENT LINES TO PIT
PRESSURE TEST TO 4500 PSI FOR 5 MIN, PUMP 10 BBLS OF MUD FLUSH FOLLOWED BY 2 BBLS OF FRESH WATER
SCAVENGER 17SX (10 BBLS) @ 11PPG, 3.10 CU FT/SX, 9.80 GAL/SX PREMIUM LITE HS FM W/1% FL-52, 1/4#/SX CELLOFLAKE, 6.25#/SX LCM-1, 0.3% CD-32
LEAD 87 SX (31 BBLS) @ 12.5 PPG, 1.98 CU FT/SX, 9.8 GAL/SX PREMIUM LITE HS FM W/1% FL-52, 1/4#/SX CELLOFLAKE, 6.25#/SX LCM-1, 0.3% CD-32
TAIL 136SX (33 BBLS) @ 14.6 PPG, 1.37 CU FT/SX, 6.61 GAL/SX TYPE 3 W/ 0.2% R-3, 0.2% CD-32, 0.4% FL-52
SHUT DOWN AND MANUALY DROP PLUG. DISPLACE WITH 50 BBLS H2O FOLLOWED BY 169 BBLS MUD. PLUG DID NOT BUMP FINAL CIRC PRESSURE 840 PSI. SEVERAL ATTEMPTS TO BUMP PLUG (20 BBLS OVER DISPLACEMENT)