WELLBORE DIAGRAM / HISTORY

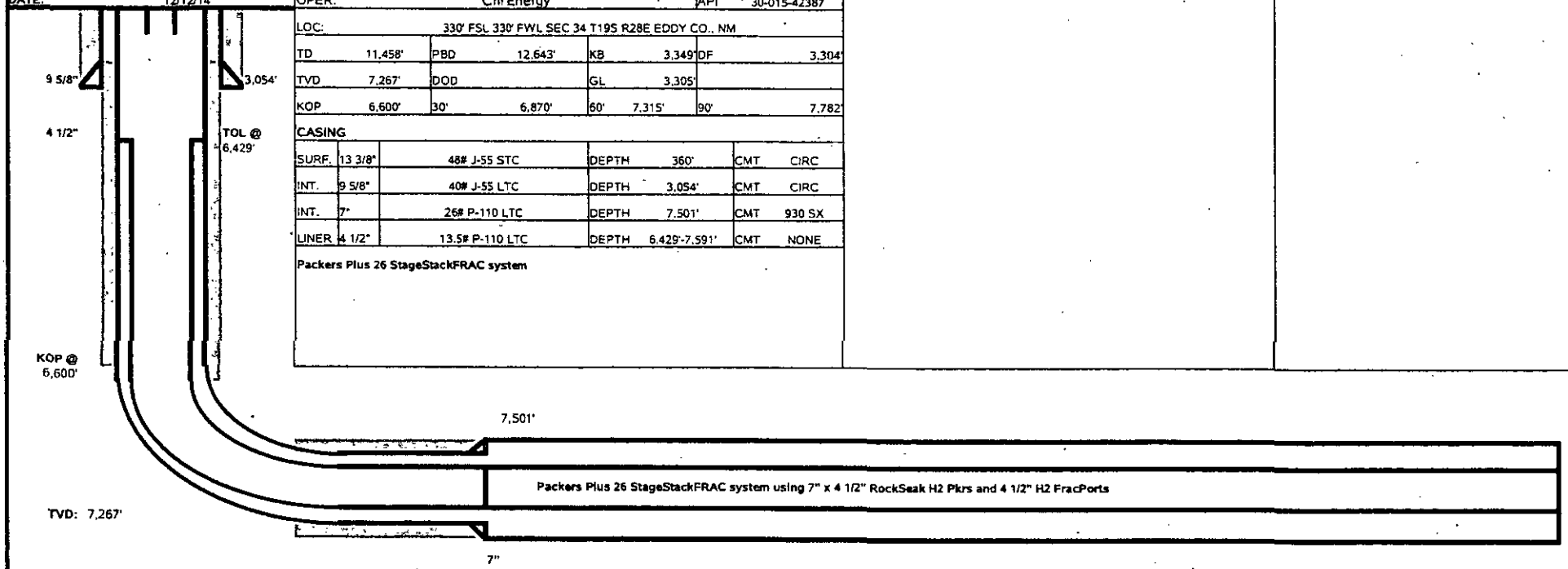
DATE: 12/12/14	LEASE: Arco 34 Federal	WELL NO. 3H	ARTIFICIAL LIFT INFO
	OPER: Chi Energy	API 30-015-42387	NOTES
	LOC: 330' FSL 330' FWL SEC 34 T19S R28E EDDY CO., NM		

TD	11,458'	PBD	12,643'	KB	3,349'	DF	3,304'
TVD	7,267'	DOD		GL	3,305'		
KOP	6,600'	30'	6,870'	60'	7,315'	90'	7,782'

CASING

SURF.	13 3/8"	48# J-55 STC	DEPTH	360'	CMT	CIRC
INT.	9 5/8"	40# J-55 LTC	DEPTH	3,054'	CMT	CIRC
INT.	7"	26# P-110 LTC	DEPTH	7,501'	CMT	930 SX
LINER	4 1/2"	13.5# P-110 LTC	DEPTH	6,429'-7,591'	CMT	NONE

Packers Plus 26 StageStackFRAC system



RockSeal H2 OH Cent. Pkrs have shear pins set @ 1,955 psi

H2 Drillable FracPorts have shear pins set @ 1,788 psi

Stage	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2		1
Pkr Depth	7,591'	7,685'	7,819'	7,954'	8,088'	8,224'	8,354'	8,489'	8,623'	8,798'	8,934'	9,107'	9,241'	9,412'	9,546	9,720'	9,854'	10,029'	10,163'	10,338'	10,472'	10,648'	10,783'	10,954'	11,088'	11,258'	11,310'
FracPort Depth	7,637'	7,772'	7,906'	8,040'	8,175'	8,307'	8,440'	8,575'	8,710'	8,884'	9,020'	9,193'	9,326'	9,498'	9,632'	9,805'	9,940'	10,115'	10,249'	10,424'	10,560'	10,734'	10,868'	11,039'	11,174'		11,365'
Ball Diam.	3.500	3.375	3.250	3.188	3.125	3.063	3.000	2.938	2.875	2.813	2.750	2.688	2.625	2.563	2.500	2.438	2.375	2.313	2.250	2.188	2.125	2.063	2.000	1.938	1.875		

Stage 1 FracPort Shear Pin Settings: Upper: 4301 psi Lower: 4410 psi

RockSeal IIS 10k OH Anchor Pkr has shear pins set @ 1944 psi

Toe Circ Sub Set @ 11,416', 1.000" Ball Seat, Shear pins set @ 1098 psi