

JUN 06 2017

30-015-44096

Schlumberger

Final PvA - Rev7 OXY

RKB = 26.5 ft

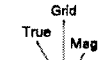
RECEIVED **EXY**

Borehole:	Well:	Field:	Structure:
Original Borehole	Oxy Cypress 33 Federal 10H	NM Eddy County (NAD 83)	Oxy Cypress 33 Federal 10H

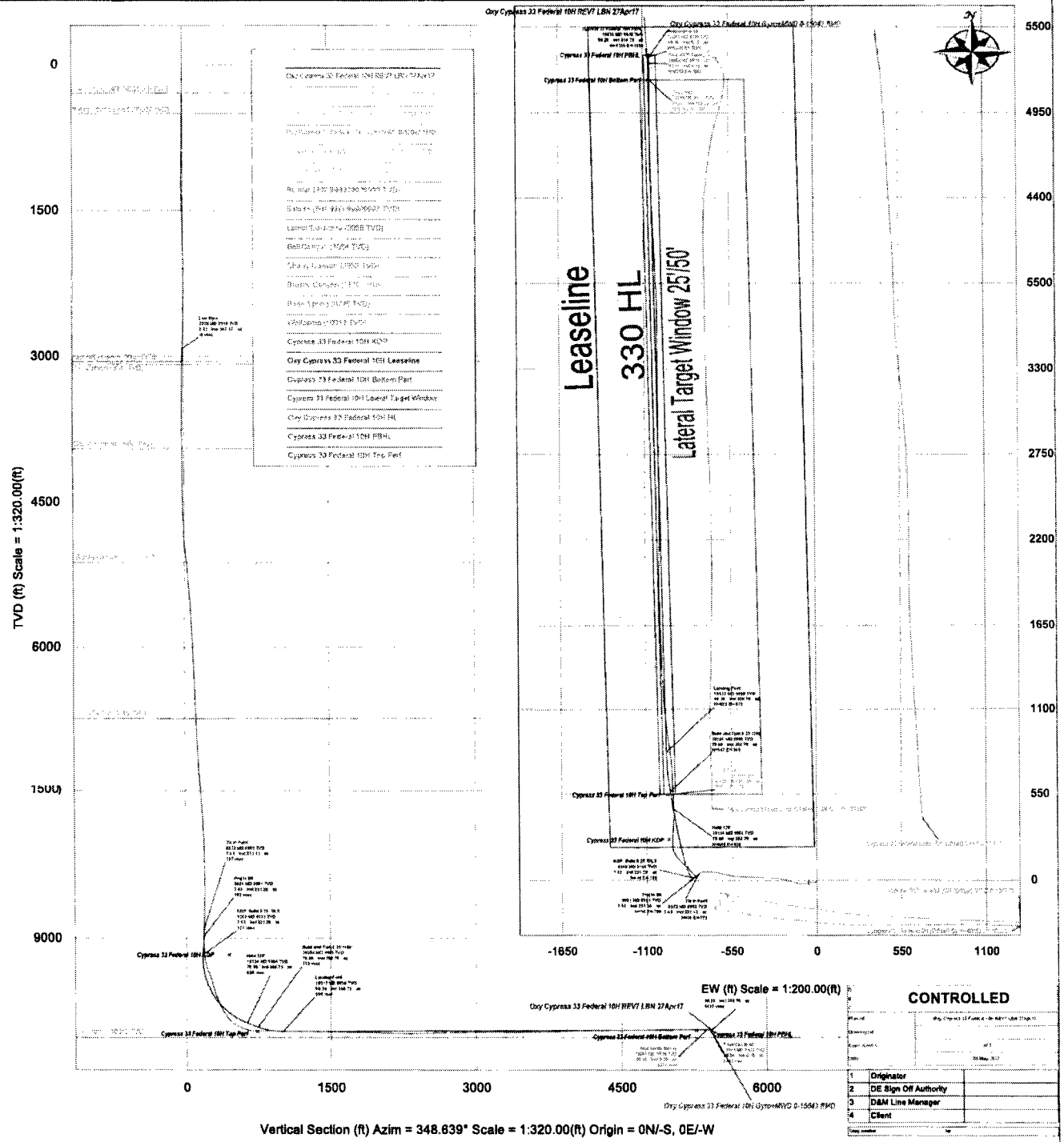
Survey & Magnitude Parameters	Survey Location	NAD83 New Mexico State Plane, Eastern Zone, 12S Foot	Survey Interval
Model: HOGW 2014 Dip: 88.199° Date: 27-Apr-2017	Lat: N 32 15 12.42 Northings: 458163.949028 Grid Cont: 8.1812°	Eastings: 645357.996028 Scale Fact: 0.99998171	Start: Oxy Cypress 33 Federal 10H
MagDec: 7.212° PS: 48147.825mT Gravity PS: 986.439mgals (9.80665 Standard)	Lon: W 103 59 37.57		Plan: Oxy Cypress 33 Federal 10H REV7 LBN 27Apr17

Critical Points

Comments	Survey MD (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	VS (ft)	NS (ft)	EW (ft)	Latitude (deg)	Longitude (deg)	Eastings (ftUS)	Northings (ftUS)	DLS (ftUS)	Tool Face (deg)
Tie in Point	8972.00	7.43	231.12	8903.01	187.39	36.07	-771.75	N 32 15 12.797	W 103 59 46.555	645536.26	456140.03	1.48	231.20
Proj to Bit	9051.80	7.43	231.20	8961.34	182.67	29.66	-779.71	N 32 15 12.734	W 103 59 46.648	645528.31	456133.62	0.01	231.20
KOP, Build 8.25° DLS	9239.99	7.43	231.20	9168.75	171.41	14.35	-798.75	N 32 15 12.583	W 103 59 46.870	645509.26	456118.31	0.00	350.70
Hold 120°	10134.31	70.00	350.70	9863.91	629.86	455.50	-930.44	N 32 15 16.952	W 103 59 48.388	645377.58	456659.42	8.25	0.00
Build and Turn 8.25°/100°	10254.31	70.00	350.70	9904.96	742.55	566.78	-948.67	N 32 15 18.054	W 103 59 48.596	645359.36	456670.69	0.00	22.30
Landing Point	10517.16	90.20	358.76	9950.00	998.41	823.12	-971.74	N 32 15 20.591	W 103 59 48.855	645336.28	456927.01	8.25	
Cypress 33 Federal 10H PBHL	15015.60	90.20	358.76	9934.55	5426.81	5320.48	-1069.02	N 32 16 5.095	W 103 59 49.824	645239.02	461424.01	0.00	



Grid North
Tot Corr (M-G 7.031°)
Mag Dec (7.212°)
Grid Conv (0.181°)



Vertical Section (ft) Azim = 348.639° Scale = 1:320.00(ft) Origin = 0N/-S, 0E/-W

CONTROLLED

1	Originator
2	DE Sign Off Authority
3	D&M Line Manager
4	Client