



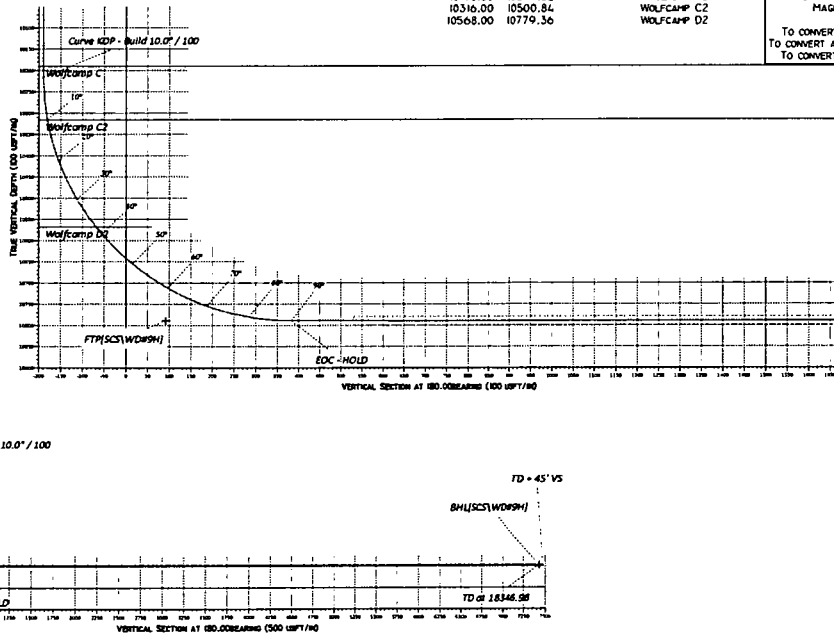
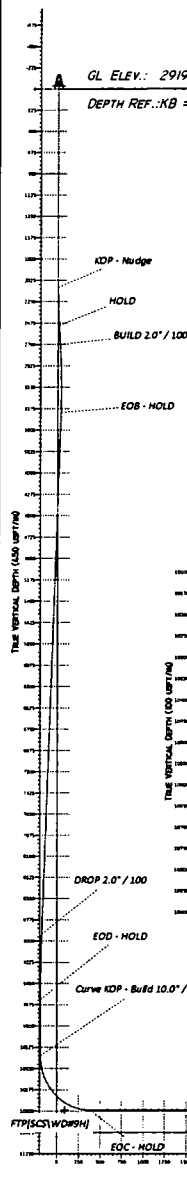
EDDY COUNTY, NM (NAD27)
SOUTHERN COMFORT STATE 24-28-25
WD #12H

PLAN #1
H&P 498

30-015-45030

GL ELEV.: 2919.00

DEPTH REF.: KB = 26.5' @ 2945.50USFT (H&P 498)



WELL DETAILS:

GROUND LEVEL: 2919.00
NORTHING: 432128.89 EASTING: 591699.01 LATITUDE: 32° 11' 15.697 N LONGITUDE: 106° 2' 15.260 W

SECTION DETAILS

MD	INC	ΔZ	TVD	+N/-S	+E/-W	DLEG	TFACE	VSECT
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	0.00
2500.00	4.00	170.00	2499.68	-13.74	2.42	1.00	170.00	13.74
2700.00	4.00	170.00	2699.19	-27.48	4.55	0.00	0.00	27.48
3124.10	16.00	81.00	3115.46	-38.71	96.23	2.00	-104.70	38.71
9105.00	14.00	81.00	8927.62	176.28	1453.64	0.00	0.00	-176.28
9805.00	0.00	0.00	9820.68	189.59	1537.69	2.00	180.00	-189.59
10100.37	0.00	0.00	10216.34	189.59	1537.69	0.00	0.00	-189.59
11300.37	90.00	180.38	10789.00	-583.35	1533.90	10.00	180.38	583.35
18346.96	90.00	180.38	10789.00	-7429.79	1487.19	0.00	0.00	7429.79
18391.96	90.00	180.38	10789.00	-7474.79	1486.89	0.00	0.00	7474.79

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting
BHL(SCS)WD#9H	10789.00	-7429.79	1487.19	432037.65	592868.08
FTP(SCS)WD#9H	10789.00	-91.25	1535.60	432037.65	593034.49

DRILLING TARGET: 10789' TVD @ OVS // 90.0° INC.

TARGET WINDOW: 10' UP // 10' DOWN - 20' L / 40' R

SITE DETAILS: SOUTHERN COMFORT STATE 24-28-25
SITE CENTRE NORTHING: 432128.89
EASTING: 591559.01

POSITIONAL UNCERTAINTY: 0.00
CONVERGENCE: 0.16
LOCAL NORTH: GRID

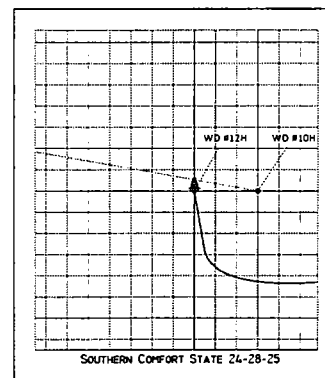
PROJECT DETAILS: EDDY COUNTY, NM (NAD27)
GEODETIC SYSTEM: US STATE PLANE 1927 (EXACT SOLUTION)
DATUM: NAD 1927 (NADCON CONUS)
ELLIPSOID: CLARKE 1866
ZONE: NEW MEXICO EAST 3001
SYSTEM DATUM: MEAN SEA LEVEL

FORMATION TOP DETAILS

TVD/PATH	HDP/PATH	FORMATION
539.00	539.00	SALADO
1180.00	1180.00	CASTILE
2532.00	2532.00	BASE OF SALT
2663.00	2663.72	LAMAR
2690.00	2690.79	BELL CANYON
3568.00	3568.30	CHERRY CANYON
4802.00	4802.08	BRUSHY CANYON
6373.00	6472.17	BONE SPRING
7320.00	7448.16	1ST BONE SPRING SAND
8135.00	8288.11	2ND BONE SPRING SAND
9210.00	9123.10	3RD BONE SPRING SAND
9607.00	9791.32	WOLFCAMP
9762.00	9946.32	WOLFCAMP A
9969.00	10153.32	WOLFCAMP B
10190.00	10374.32	WOLFCAMP C
10316.00	10500.84	WOLFCAMP C2
10568.00	10779.36	WOLFCAMP D2

MAP SYSTEM: US STATE PLANE 1927 (EXACT SOLUTION)
DATUM: NAD 1927 (NADCON CONUS)
ELLIPSOID: CLARKE 1866
ZONE NAME: NEW MEXICO EAST 3001
LOCAL ORIGIN: WELL WD #12H, GRID NORTH
LATITUDE: 32° 11' 15.697 N
LONGITUDE: 106° 2' 15.260 W
GRID EAST: 591699.01
GRID NORTH: 432128.89
SCALE FACTOR: 1.000
GEOMAGNETIC MODEL: HDGM
SAMPLE DATE: 26-MAR-18
MAGNETIC DECLINATION: 7.15°
DIP ANGLE FROM HORIZONTAL: 50.97°
MAGNETIC FIELD STRENGTH: 48017

TO CONVERT A MAGNETIC DIRECTION TO A GRID DIRECTION, ADD 6.99°
TO CONVERT A MAGNETIC DIRECTION TO A TRUE DIRECTION, ADD 7.15° EAST
TO CONVERT A TRUE DIRECTION TO A GRID DIRECTION, SUBTRACT 0.16°



AZIMUTH TO GRID NORTH
TRUE NORTH: -0.10°
MAGNETIC NORTH: 6.99°
MAGNETIC FIELD
STRENGTH: 48017.0nT
DIP ANGLE: 50.97°
DATE: 3/26/2018
MODEL: HDGM

TARGET **NM OIL CONSERVATION
ARTESIA DISTRICT**

JUN 07 2018

RECEIVED

