

SSubmit 3 Copies To Appropriate District Office:
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
June 19, 2009 *PM*

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-015-37973
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Crypt State
8. Well Number 1H
9. OGRID Number 14049
10. Pool name or Wildcat Wildcat G-01 S192617K; Glor-Yeso
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3411'

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐	RECEIVED JUL 21 2010 NMOCD ARTESIA
2. Name of Operator Marbob Energy Corporation	
3. Address of Operator P.O. Box 227, Artesia, NM 88211-0227	
4. Well Location Unit Letter <u>L</u> : <u>2310'</u> feet from the <u>South</u> line and <u>330</u> feet from the <u>West</u> line Section <u>30</u> Township <u>19S</u> Range <u>26E</u> NMPM County: <u>Eddy</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3411'	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
OTHER: <u>BHL Change</u> ☒		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Marbob Energy Corporation respectfully requests approval for a change in BHL to 330' FSL & 380' FWL.

Marbob also requests approval for the following:

Change 8 3/4" hole to 7 7/8" hole
Change 7" casing to 17# 5 1/2" J-55

Please see the attached plat and well plan.

Spud Date: Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Nancy T. Agnew TITLE Land Department DATE 7/19/10

Type or print name Nancy T. Agnew E-mail address: landtech@marbob.com PHONE: 575-748-3303

For State Use Only

APPROVED BY: Jacqui B. TITLE Geologist DATE 7/27/2010
Conditions of Approval (if any):

State of New Mexico

DISTRICT I

1625 N. FRENCH DR., HOBBS, NM 88240

Energy, Minerals and Natural Resources Department

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.

Santa Fe, New Mexico 87505

JUL 21 2010

NMOCD ARTESIA

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-37973	Pool Code 97788	Pool Name Wildcat G-01 S19261 7K; Glor-Yeso
Property Code	Property Name CRYPT STATE	Well Number 1H
OGRID No. 14049	Operator Name MARBOB ENERGY CORPORATION	Elevation 3411'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	30	19-S	26-E		2310	SOUTH	330	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	30	19-S	26-E		330	SOUTH	380	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
80			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



Marbob

Eddy County

Crypt State

#1H

OH

Plan: Plan #1

Pathfinder X & Y Planning Report

16 July, 2010

PATHFINDER

ML



Pathfinder

Pathfinder X & Y Planning Report



Company:	Marbob	Local Co-ordinate Reference:	Well #1H
Project:	Eddy County	TVD Reference:	WELL @ 3423.50ft (12.5' KB Correction)
Site:	Crypt State	MD Reference:	WELL @ 3423.50ft (12.5' KB Correction)
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

Project	Eddy County		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Crypt State				
Site Position:		Northing:	593,099.400 ft	Latitude:	32° 37' 49.791 N
From:	Map	Easting:	470,815.400 ft	Longitude:	104° 25' 41.280 W
Position Uncertainty:	0.00 ft	Slot Radius:	"	Grid Convergence:	-0.05 °

Well	#1H					
Well Position	+N/-S	0.00 ft	Northing:	593,099.400 ft	Latitude:	32° 37' 49.791 N
	+E/-W	0.00 ft	Easting:	470,815.400 ft	Longitude:	104° 25' 41.280 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	3,411.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	07/16/2010	8.10	60.45	48,888

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	178.81

Survey Tool Program	Date	07/16/2010		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	4,700.50	Plan #1 (OH)	MWD	MWD - Standard



Pathfinder

Pathfinder X & Y Planning Report



Company:	Marbob	Local Co-ordinate Reference:	Well #1H
Project:	Eddy County	TVD Reference:	WELL @ 3423.50ft (12.5' KB Correction)
Site:	Crypt State	MD Reference:	WELL @ 3423.50ft (12.5' KB Correction)
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

Planned Survey											
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)	
0.00	0.00	0.00	0.00	-3,423.50	0.00	0.00	0.00	0.00	593,099.40	470,815.40	
100.00	0.00	0.00	100.00	-3,323.50	0.00	0.00	0.00	0.00	593,099.40	470,815.40	
200.00	0.00	0.00	200.00	-3,223.50	0.00	0.00	0.00	0.00	593,099.40	470,815.40	
300.00	0.00	0.00	300.00	-3,123.50	0.00	0.00	0.00	0.00	593,099.40	470,815.40	
400.00	0.00	0.00	400.00	-3,023.50	0.00	0.00	0.00	0.00	593,099.40	470,815.40	
500.00	0.00	0.00	500.00	-2,923.50	0.00	0.00	0.00	0.00	593,099.40	470,815.40	
600.00	0.00	0.00	600.00	-2,823.50	0.00	0.00	0.00	0.00	593,099.40	470,815.40	
700.00	0.00	0.00	700.00	-2,723.50	0.00	0.00	0.00	0.00	593,099.40	470,815.40	
800.00	0.00	0.00	800.00	-2,623.50	0.00	0.00	0.00	0.00	593,099.40	470,815.40	
900.00	0.00	0.00	900.00	-2,523.50	0.00	0.00	0.00	0.00	593,099.40	470,815.40	
1,000.00	0.00	0.00	1,000.00	-2,423.50	0.00	0.00	0.00	0.00	593,099.40	470,815.40	
1,100.00	0.00	0.00	1,100.00	-2,323.50	0.00	0.00	0.00	0.00	593,099.40	470,815.40	
1,200.00	0.00	0.00	1,200.00	-2,223.50	0.00	0.00	0.00	0.00	593,099.40	470,815.40	
1,300.00	0.00	0.00	1,300.00	-2,123.50	0.00	0.00	0.00	0.00	593,099.40	470,815.40	
1,400.00	0.00	0.00	1,400.00	-2,023.50	0.00	0.00	0.00	0.00	593,099.40	470,815.40	
1,500.00	0.00	0.00	1,500.00	-1,923.50	0.00	0.00	0.00	0.00	593,099.40	470,815.40	
1,600.00	0.00	0.00	1,600.00	-1,823.50	0.00	0.00	0.00	0.00	593,099.40	470,815.40	
1,700.00	0.00	0.00	1,700.00	-1,723.50	0.00	0.00	0.00	0.00	593,099.40	470,815.40	
1,800.00	0.00	0.00	1,800.00	-1,623.50	0.00	0.00	0.00	0.00	593,099.40	470,815.40	
1,900.00	0.00	0.00	1,900.00	-1,523.50	0.00	0.00	0.00	0.00	593,099.40	470,815.40	
2,000.00	0.00	0.00	2,000.00	-1,423.50	0.00	0.00	0.00	0.00	593,099.40	470,815.40	
2,100.00	0.00	0.00	2,100.00	-1,323.50	0.00	0.00	0.00	0.00	593,099.40	470,815.40	
2,200.00	0.00	0.00	2,200.00	-1,223.50	0.00	0.00	0.00	0.00	593,099.40	470,815.40	
2,300.00	0.00	0.00	2,300.00	-1,123.50	0.00	0.00	0.00	0.00	593,099.40	470,815.40	
2,400.00	0.00	0.00	2,400.00	-1,023.50	0.00	0.00	0.00	0.00	593,099.40	470,815.40	
2,448.00	0.00	0.00	2,448.00	-975.50	0.00	0.00	0.00	0.00	593,099.40	470,815.40	
2,450.00	0.24	178.81	2,450.00	-973.50	0.00	0.00	0.00	12.01	593,099.40	470,815.40	



Pathfinder

Pathfinder X & Y Planning Report



Company: Marbob
Project: Eddy County
Site: Crypt State
Well: #1H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #1H
TVD Reference: WELL @ 3423.50ft (12.5' KB Correction)
MD Reference: WELL @ 3423.50ft (12.5' KB Correction)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Midland Database

Planned Survey											
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)	
2,475.00	3.24	178.81	2,474.99	-948.51	-0.76	0.02	0.76	12.01	593,098.64	470,815.42	
2,500.00	6.25	178.81	2,499.90	-923.60	-2.83	0.06	2.83	12.01	593,096.57	470,815.46	
2,525.00	9.25	178.81	2,524.67	-898.83	-6.20	0.13	6.20	12.01	593,093.20	470,815.53	
2,550.00	12.25	178.81	2,549.22	-874.28	-10.86	0.23	10.86	12.01	593,088.54	470,815.63	
2,575.00	15.25	178.81	2,573.50	-850.00	-16.80	0.35	16.81	12.01	593,082.60	470,815.75	
2,600.00	18.26	178.81	2,597.44	-826.06	-24.01	0.50	24.01	12.01	593,075.39	470,815.90	
2,625.00	21.26	178.81	2,620.97	-802.53	-32.46	0.67	32.46	12.01	593,066.94	470,816.07	
2,650.00	24.26	178.81	2,644.02	-779.48	-42.13	0.88	42.14	12.01	593,057.27	470,816.28	
2,675.00	27.27	178.81	2,666.53	-756.97	-52.99	1.10	53.00	12.01	593,046.41	470,816.50	
2,700.00	30.27	178.81	2,688.44	-735.06	-65.02	1.35	65.03	12.01	593,034.38	470,816.75	
2,725.00	33.27	178.81	2,709.69	-713.81	-78.18	1.62	78.19	12.01	593,021.22	470,817.02	
2,750.00	36.28	178.81	2,730.22	-693.28	-92.43	1.92	92.45	12.01	593,006.97	470,817.32	
2,775.00	39.28	178.81	2,749.98	-673.52	-107.74	2.24	107.76	12.01	592,991.66	470,817.64	
2,800.00	42.28	178.81	2,768.91	-654.59	-124.06	2.58	124.09	12.01	592,975.34	470,817.98	
2,825.00	45.28	178.81	2,786.96	-636.54	-141.36	2.94	141.39	12.01	592,958.04	470,818.34	
2,850.00	48.29	178.81	2,804.07	-619.43	-159.57	3.31	159.60	12.01	592,939.83	470,818.71	
2,875.00	51.29	178.81	2,820.21	-603.29	-178.66	3.71	178.69	12.01	592,920.74	470,819.11	
2,900.00	54.29	178.81	2,835.33	-588.17	-198.56	4.12	198.60	12.01	592,900.84	470,819.52	
2,925.00	57.30	178.81	2,849.38	-574.12	-219.23	4.55	219.28	12.01	592,880.17	470,819.95	
2,950.00	60.30	178.81	2,862.33	-561.17	-240.60	5.00	240.66	12.01	592,858.80	470,820.40	
2,975.00	63.30	178.81	2,874.14	-549.36	-262.63	5.46	262.69	12.01	592,836.77	470,820.86	
3,000.00	66.30	178.81	2,884.79	-538.71	-285.24	5.93	285.31	12.01	592,814.16	470,821.33	
3,025.00	69.31	178.81	2,894.23	-529.27	-308.38	6.41	308.45	12.01	592,791.02	470,821.81	
3,050.00	72.31	178.81	2,902.45	-521.05	-331.99	6.90	332.06	12.01	592,767.41	470,822.30	
3,075.00	75.31	178.81	2,909.41	-514.09	-355.99	7.39	356.06	12.01	592,743.41	470,822.79	
3,100.00	78.32	178.81	2,915.12	-508.38	-380.32	7.90	380.40	12.01	592,719.08	470,823.30	
3,125.00	81.32	178.81	2,919.54	-503.96	-404.92	8.41	405.01	12.01	592,694.48	470,823.81	



Pathfinder

Pathfinder X & Y Planning Report



Company: Marbob
 Project: Eddy County
 Site: Crypt State
 Well: #1H
 Wellbore: OH
 Design: Plan #1

Local Co-ordinate Reference: Well #1H
 TVD Reference: WELL @ 3423.50ft (12.5' KB Correction)
 MD Reference: WELL @ 3423.50ft (12.5' KB Correction)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: Midland Database

Planned Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
3,150.00	84.32	178.81	2,922.66	-500.84	-429.71	8.93	429.81	12.01	592,669.69	470,824.33
3,175.00	87.33	178.81	2,924.48	-499.02	-454.64	9.44	454.74	12.01	592,644.76	470,824.84
3,197.27	90.00	178.81	2,925.00	-498.50	-476.90	9.91	477.00	12.01	592,622.50	470,825.31
3,200.00	90.00	178.81	2,925.00	-498.50	-479.63	9.96	479.73	0.00	592,619.77	470,825.36
3,213.76	90.00	178.81	2,925.00	-498.50	-493.38	10.25	493.49	0.00	592,606.02	470,825.65
3,300.00	90.00	178.81	2,925.00	-498.50	-579.61	12.04	579.73	0.00	592,519.79	470,827.44
3,400.00	90.00	178.81	2,925.00	-498.50	-679.58	14.12	679.73	0.00	592,419.82	470,829.52
3,500.00	90.00	178.81	2,925.00	-498.50	-779.56	16.19	779.73	0.00	592,319.84	470,831.59
3,600.00	90.00	178.81	2,925.00	-498.50	-879.54	18.27	879.73	0.00	592,219.86	470,833.67
3,700.00	90.00	178.81	2,925.00	-498.50	-979.52	20.35	979.73	0.00	592,119.88	470,835.75
3,800.00	90.00	178.81	2,925.00	-498.50	-1,079.50	22.42	1,079.73	0.00	592,019.90	470,837.82
3,900.00	90.00	178.81	2,925.00	-498.50	-1,179.48	24.50	1,179.73	0.00	591,919.92	470,839.90
4,000.00	90.00	178.81	2,925.00	-498.50	-1,279.45	26.58	1,279.73	0.00	591,819.95	470,841.98
4,100.00	90.00	178.81	2,925.00	-498.50	-1,379.43	28.65	1,379.73	0.00	591,719.97	470,844.05
4,200.00	90.00	178.81	2,925.00	-498.50	-1,479.41	30.73	1,479.73	0.00	591,619.99	470,846.13
4,300.00	90.00	178.81	2,925.00	-498.50	-1,579.39	32.81	1,579.73	0.00	591,520.01	470,848.21
4,400.00	90.00	178.81	2,925.00	-498.50	-1,679.37	34.88	1,679.73	0.00	591,420.03	470,850.28
4,500.00	90.00	178.81	2,925.00	-498.50	-1,779.35	36.96	1,779.73	0.00	591,320.05	470,852.36
4,600.00	90.00	178.81	2,925.00	-498.50	-1,879.32	39.04	1,879.73	0.00	591,220.08	470,854.44
4,700.50	90.00	178.81	2,925.00	-498.50	-1,979.80	41.10	1,980.23	0.00	591,119.60	470,856.50

PBHL(CRYPT)



Pathfinder

Pathfinder X & Y Planning Report



Company:	Marbob	Local Co-ordinate Reference:	Well #1H
Project:	Eddy County	TVD Reference:	WELL @ 3423.50ft (12.5' KB Correction)
Site:	Crypt State	MD Reference:	WELL @ 3423.50ft (12.5' KB Correction)
Well:	#1H	North Reference:	Gnd
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
PBHL(CRYPT)	0.00	0.00	2,925.00	-1,979.80	41.10	591,119.600	470,856.500	32° 37' 30.200 N	104° 25' 40.778 W
- plan hits target center									
- Point									

Checked By: _____	Approved By: _____	Date: _____
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Project: Eddy County
Site: Crypt State
Well: #1H
Wellbore: OH
Plan: Plan #1 (#1H/OH)

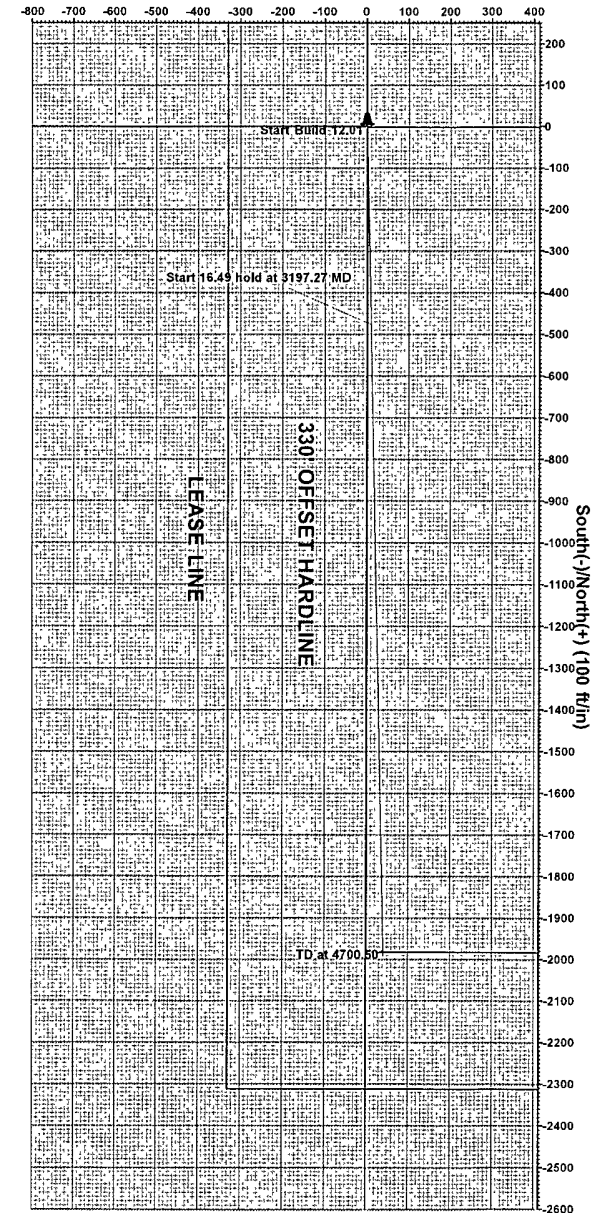


Azimuths to Grid North
True North: 0.05°
Magnetic North: 8.16°

Magnetic Field
Strength: 48887.8snT
Dip Angle: 60.45°
Date: 07/16/2010
Model: IGRF200510

PATHFINDER

West(-)/East(+) (100 ft/in)



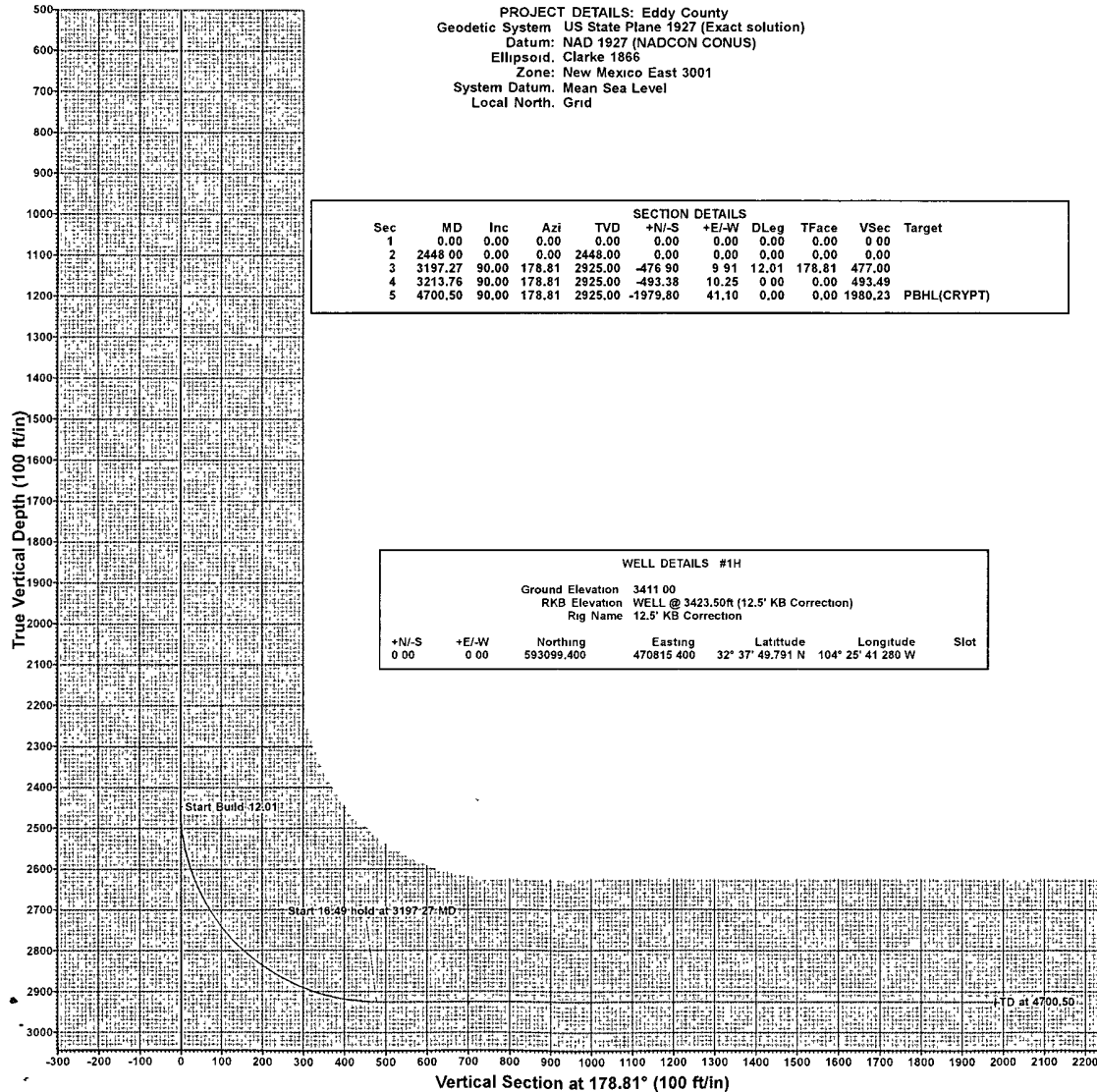
PROJECT DETAILS: Eddy County
Geodetic System US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level
Local North: Grid

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	2448.00	0.00	0.00	2448.00	0.00	0.00	0.00	0.00	0.00	
3	3197.27	90.00	178.81	2925.00	-476.90	9.91	12.01	178.81	477.00	
4	3213.76	90.00	178.81	2925.00	-493.38	10.25	0.00	0.00	493.49	
5	4700.50	90.00	178.81	2925.00	-1979.80	41.10	0.00	0.00	1980.23	PBHL(CRYPT)

WELL DETAILS #1H

Ground Elevation 3411.00						
RKB Elevation WELL @ 3423.50ft (12.5' KB Correction)						
Rig Name 12.5' KB Correction						
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	593099.400	470815.400	32° 37' 49.791 N	104° 25' 41.280 W	



Plan Plan #1 (#1H/OH)

Created By Nate Bingham Date 17.15. July 16 2010