

OCD-ARTESIA

Form 3160-3
(February 2005)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

5. Lease Serial No. **BHL-GL 437**
SL: USA NMLC 065244-A

6. If Indian, Allottee or Tribe Name

1a. Type of work: ☒ DRILL ☐ REENTER

7. If Unit or CA Agreement, Name and No.

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

8. Lease Name and Well No.

Helios 6 Fed Com 1H

2. Name of Operator
Devon Energy Production Co., LP

9. API Well No.

30-015- 38482

3a. Address **20 North Broadway
OKC, OK 73102**

3b. Phone No. (include area code)
(405)-552-7802

10. Field and Pool, or Exploratory

Hackberry; Bone Spring, NM

4. Location of Well (Report location clearly and in accordance with any State requirements.)*

At surface **SESE 340' FSL & 220' FEL**

At proposed prod. zone **NENE 340' FNL & 340' FEL**

**UNORTHODOX
LOCATION**

11. Sec., T. R. M. or Blk. and Survey or Area

Sec 6-T19S-R31E

14. Distance in miles and direction from nearest town or post office*
Approximately 10 miles southeast of Loco Hills, NM.

12. County or Parish

Eddy

13. State

NM

15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drig. unit line, if any) **220'**

16. No. of acres in lease
SL: 80 BHL: 359 -> acres

17. Spacing Unit dedicated to this well
159.63

18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft. **SL: 700' BHL: 750'**

19. Proposed Depth
TVD' 8,810 MD 13,250'
PH 9135 13246

20. BLM/BIA Bond No. on file
CO-1104

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
3506.5' GL

22. Approximate date work will start*
12/01/2010

23. Estimated duration
45 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).

- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the BLM.

25. Signature

Name (Printed/Typed)

Stephanie A. Ysasaga

Date

11/01/2010

Title

Sr. Staff Engineering Technician

Approved by (Signature)

/s/ Don Peterson

Name (Printed/Typed)

Date **JAN 27 2011**

Title

FIELD MANAGER

Office

CARLSBAD FIELD OFFICE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

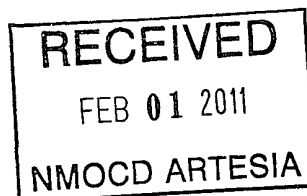
APPROVAL FOR TWO YEARS

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on page 2)

Capitan Controlled Water Basin

Approval Subject to General Requirements
& Special Stipulations Attached



SEE ATTACHED FOR
CONDITIONS OF APPROVAL

Handwritten initials

DRILLING PROGRAM

Devon Energy Production Company, LP

Helios 6 Fed Com 1H

Surface Location: 340' FSL & 220' FEL, Unit P, Sec 6 T19S R31E, Eddy, NM

Bottom hole Location: 340' FNL & 340' FEL, Unit A, Sec 6 T19S R31E, Eddy, NM

1. Geologic Name of Surface Formation

- a. Permian

2. Estimated Tops of Geological Markers & Depths of Anticipated Fresh Water, Oil or Gas:

a. Rustler	555'	Barren
b. Salado	680'	Barren
c. Tansil Dolomite	2190'	Barren
d. Yates	2300'	Oil
e. Seven Rivers	2625'	Oil
f. Queen	3185'	Oil
g. San Andres	3720'	Oil
h. Delaware	4415'	Oil
i. Bone Springs	6385'	Oil
j. 1 st Bone Spring Ss	7785'	Oil
k. 2 nd Bone Spring Lime	8040'	Oil
l. 2 nd Bone Spring Ss	8580'	Oil
m. 2 nd Bone Spring Middle	8785'	Oil
n. 2 nd Bone Spring Middle Ss Base	8900'	Oil
o. 3 rd Bone Springs Lime	9035'	Oil
p. PTD (Pilot Hole)	9135'	
q. Total Depth	TVD 8810' MD 13250' 13246'	

No other formations are expected to yield oil, gas or fresh water in measurable volumes. The surface fresh water sands will be protected by setting 13 3/8" casing at ~~590'~~ and circulating cement back to surface. The fresh water sands will be protected by setting 9 5/8" casing at 3150' and circulating cement to surface. The Delaware intervals will be isolated by setting 5 1/2" casing to total depth and circulating cement above the base of the 9 5/8" casing. All casing is new and API approved.

3. Casing Program:

<u>Hole Size</u>	<u>Hole Interval</u>	<u>OD Csg</u> <i>Sec 6A</i>	<u>Casing Interval</u>	<u>Weight</u>	<u>Collar</u>	<u>Grade</u>
17 1/2"	0'-590' 650'	13 3/8"	0'-590' 650'	48#	STC	H-40
12 1/4"	590'-3150'	9 5/8"	0'-3150'	40#	BTC	J-55
8 3/4"	3150'-9135'	PH				
8 3/4"	0'-8200'	5 1/2"	0'-8200'	17#	LTC	P-110HC
8 3/4"	8200'- 13250' 13246'	5 1/2"	8200'- 13250' 13246'	17#	BTC	P-110HC

Design Parameter Factors:

<u>Casing Size</u>	<u>Collapse Design Factor</u>	<u>Burst Design Factor</u>	<u>Tension Design Factor</u>
13 3/8"	2.99	6.72	12.20
9 5/8" 36# J-55BTC	1.62	2.43	5.66
5 1/2" 17# P110LTC	1.64	2.02	<u>1.55</u> <i>2.90 per operator i-19-11 woc I</i>
5 1/2" 17# P110BTC	1.84	2.27	5.22

4. Cement Program: (Note: All cement volumes are calculated with 25% excesses.)
Pilot Hole Plug Back Cement Volume: Plug Back from 9135 to 8200'. 540 sacks Class H, .9 cuft/sack.

- a. 13 3/8" Surface
- Lead:** 250 sacks Class C Cement + 2% bwoc Calcium Chloride + 0.125 lbs/sack Cello Flake + 4% bwoc Bentonite + 81.4% Fresh Water, 13.5 ppg. **Yield:** 1.75 cf/sk
- Tail:** 250 sacks Class C Cement + 2% bwoc Calcium Chloride + 0.125 lbs/sack Cello Flake + 56.3% Fresh Water, 14.8 ppg. **Yield:** 1.35 cf/sk.. **TOC @ surface.**
- b. 9 5/8" Intermediate
- Lead:** 750 sacks (35:65) Poz (Fly Ash):Class C Cement + 5% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 6% bwoc Bentonite + 107.8% Fresh Water, 12.5 ppg. **Yield:** 1.96 cf/sk
- Tail:** 300 sacks Class C Cement + 5% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 0.4% bwoc Sodium Metasilicate + 4% bwoc MPA-5 + 52.7% Water, 14.8 ppg. **Yield:** 1.34 cf/sk. **TOC @ surface.**
- c. 5 1/2" Production
- 1st Stage**
- Lead:** 900 sacks (35:65) Poz (Fly Ash):Class H Cement + 5% bwow Sodium Chloride + 0.3% bwoc CD-32 + 0.5% bwoc FL-25 + 2% bwoc Bentonite + 0.6% bwoc Sodium Metasilicate + 0.5% bwoc FL-52A + 102.5% Fresh Water, 12.5 ppg. **Yield:** 2.00 cf/sk
- Tail:** 1,300 sacks (50:50) Poz (Fly Ash):Class H Cement + 1% bwow Sodium Chloride + 0.2% bwoc R-3 + 0.125 lbs/sack Cello Flake + 0.5% bwoc BA-10A + 4% bwoc MPA-5 + 58.3% Fresh Water, 14.2 ppg. **Yield:** 1.28 cf/sk
- DV TOOL at ~4,500 ft**
- 2nd Stage**
- Lead:** 215 sacks Class C Cement + 1% bwow Calcium Chloride + 0.125 lbs/sack Cello Flake + 157.8% Fresh Water, 11.4 ppg. **Yield:** 2.89 cf/sk

Tail: 150 sacks (60:40) Poz (Fly Ash):Class C Cement + 1% bwow Sodium Chloride + 0.2% bwoc R-3 + 0.125 lbs/sack Cello Flake + 0.5% bwoc BA-10A + 4% bwoc MPA-5 + 63.2% Fresh Water, 13.8 ppg. **Yield:** 1.37cf/sk. **TOC @ 2,600 ft**

TOC for All Strings:

Surface: 0'
Intermediate: 0'
Production: 2,600'

see
COA

[The above cement volumes could be revised pending the caliper measurement from the open hole logs. Actual cement volumes will be adjusted bases on fluid caliper and caliper log data.

5. Pressure Control Equipment:

The BOP system used to drill the intermediate hole will consist of a 13-5/8" 5M Double Ram and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order No. 2 as a 3M system prior to drilling out the surface casing shoe.

The BOP system used to drill the production hole will consist of a 13-5/8" 5M Double Ram and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order No. 2 as a 5M system prior to drilling out the intermediate casing shoe.

The pipe rams will be operated and checked each 24 hour period and each time the drill pipe is out of the hole. These tests will be logged in the daily driller's log. A 2" kill line and 3" choke line will be incorporated into the drilling spool below the ram BOP. In addition to the rams and annular preventer, additional BOP accessories include a kelly cock, floor safety valve, choke lines, and choke manifold rated at 5,000 psi WP.

6. Proposed Mud Circulation System

<u>Depth</u>	<u>Mud Wt.</u>	<u>Visc</u>	<u>Fluid Loss</u>	<u>Type System</u>
0' - 590' 650'	8.4-9.0	30-34	NC	Fresh Water
590' - 3150'	9.8-10.0	28-32	NC	Brine
3150' - 13250' 13246'	8.6-9.0	28-32	NC-12	Fresh Water

see
COA

The necessary mud products for weight addition and fluid loss control will be on location at all times.

7. Auxiliary Well Control and Monitoring Equipment:

- A Kelly cock will be in the drill string at all times.
- A full opening drill pipe stabbing valve having the appropriate connections will be on the rig floor at all times.
- Hydrogen Sulfide detection equipment will be in operation after drilling out the 13 3/8" casing shoe until the 5 1/2" casing is cemented. Breathing equipment will be on location upon drilling the 13 3/8" shoe until total depth is reached.

8. Logging, Coring, and Testing Program:

- Drill stem tests will be based on geological sample shows.

- b. If a drill stem test is anticipated; a procedure, equipment to be used and safety measures will be provided via sundry notice to the BLM.
- c. The open hole electrical logging program will be:
- See
CCM
- i. Total Depth to Intermediate Casing Dual Laterolog-Micro Laterolog with SP and Gamma Ray. Compensated Neutron – Z Density log with Gamma Ray and Caliper.
 - ii. Total Depth to Surface Compensated Neutron with Gamma Ray
 - iii. No coring program is planned
 - iv. Additional testing will be initiated subsequent to setting the 5 ½" production casing. Specific intervals will be targeted based on log evaluation, geological sample shows and drill stem tests.

9. Potential Hazards:

- a. No abnormal pressures or temperatures are expected. There is no known presence of H₂S in this area. If H₂S is encountered the operator will comply with the provisions of Onshore Oil and Gas Order No. 6 No lost circulation is expected to occur. All personnel will be familiar with all aspects of safe operation of equipment being used to drill this well. Estimated BHP 3600 psi and Estimated BHT 145°. No H₂S is anticipated to be encountered.

10. Anticipated Starting Date and Duration of Operations:

- a. Road and location construction will begin after the BLM has approved the APD. Anticipated spud date will be as soon after BLM approval and as soon as a rig will be available. Move in operations and drilling is expected to take 32 days. If production casing is run then an additional 30 days will be needed to complete well and construct surface facilities and/or lay flow lines in order to place well on production.



Devon Energy

Eddy Co., New Mexico (Nad 83)

Helios 6 Fed Com #1H

Helios 6 Fed Com #1H

Lateral #1

Plan: Design #1

Standard Survey Report

03 November, 2010





CUDD Drilling & Measurement Services

Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Site Helios 6 Fed Com #1H
Project:	Eddy Co., New Mexico (Nad 83)	TVD Reference:	WELL @ 3527.00ft (Original Well Elev)
Site:	Helios 6 Fed Com #1H	MD Reference:	WELL @ 3527.00ft (Original Well Elev)
Well:	Helios 6 Fed Com #1H	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	Design #1	Database:	EDM 2003.21 Single User Db

Project	Eddy Co., New Mexico (Nad 83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Helios 6 Fed Com #1H, Sec 6, T-19S, R-31E		
Site Position:	Map	Northing:	612,507.87 ft
From:		Easting:	674,396.28 ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	32° 40' 59.098 N
		Longitude:	103° 54' 3.095 W
		Grid Convergence:	0.23 °

Well	Helios 6 Fed Com #1H					
Well Position	+N/-S	0.00 ft	Northing:	612,507.87 ft	Latitude:	32° 40' 59.098 N
	+E/-W	0.00 ft	Easting:	674,396.28 ft	Longitude:	103° 54' 3.095 W
Position Uncertainty	0.00 ft	Wellhead Elevation:	3,527.00 ft	Ground Level:	3,507.00 ft	

Wellbore	Lateral #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	11/03/10	7.83	60.59	48,951

Design	Design #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	8,810.00	0.00	0.00	358.10

Survey Tool Program	Date 11/03/10				
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.00	8,200.00	Design #1 (Lateral #1)	NS-GYRO-MS	North sensing gyrocompassing m/s	
8,200.00	13,246.00	Design #1 (Lateral #1)	CUDD MWD	MWD - Standard CUDD MWD	

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
555.00	0.00	0.00	555.00	0.00	0.00	0.00	0.00	0.00	0.00	
Rustler										
680.00	0.00	0.00	680.00	0.00	0.00	0.00	0.00	0.00	0.00	
Salado										
2,190.00	0.00	0.00	2,190.00	0.00	0.00	0.00	0.00	0.00	0.00	
Tansil Dolomite										
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00	
Yates										
2,625.00	0.00	0.00	2,625.00	0.00	0.00	0.00	0.00	0.00	0.00	
Seven Rivers										



CUDD Drilling & Measurement Services
Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Site Helios 6 Fed Com #1H
Project:	Eddy Co., New Mexico (Nad 83)	TVD Reference:	WELL @ 3527.00ft (Original Well Elev)
Site:	Helios 6 Fed Com #1H	MD Reference:	WELL @ 3527.00ft (Original Well Elev)
Well:	Helios 6 Fed Com #1H	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	Design #1	Database:	EDM 2003.21 Single User Db

Planned Survey

Measured			Vertical			Vertical	Dogleg	Build	Turn
Depth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Section	Rate	Rate	Rate
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)
3,185.00	0.00	0.00	3,185.00	0.00	0.00	0.00	0.00	0.00	0.00
Queen									
3,720.00	0.00	0.00	3,720.00	0.00	0.00	0.00	0.00	0.00	0.00
Sam Andres									
4,415.00	0.00	0.00	4,415.00	0.00	0.00	0.00	0.00	0.00	0.00
Delaware									
6,385.00	0.00	0.00	6,385.00	0.00	0.00	0.00	0.00	0.00	0.00
Bone Spring									
7,785.00	0.00	0.00	7,785.00	0.00	0.00	0.00	0.00	0.00	0.00
1st BS Ss									
8,040.00	0.00	0.00	8,040.00	0.00	0.00	0.00	0.00	0.00	0.00
2nd BS Lime									
8,340.00	0.00	0.00	8,340.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP - Build & Turn 12.0°/100'									
8,590.65	30.08	332.00	8,579.30	56.77	-30.18	57.74	12.00	12.00	0.00
2nd BS Ss									
8,715.00	45.00	332.00	8,677.62	123.48	-65.65	125.59	12.00	12.00	0.00
8,744.64	45.00	332.00	8,698.57	141.98	-75.49	144.40	0.00	0.00	0.00
8,879.68	58.63	343.23	8,782.03	240.00	-114.81	243.67	12.00	10.09	8.32
2nd BS Middle Ss									
9,178.09	90.71	0.01	8,860.41	520.35	-152.78	525.13	12.00	10.75	5.62
EOC - Hold I: 90.71° @ A:0.01°									
13,246.00	90.71	0.01	8,810.00	4,587.95	-152.00	4,590.47	0.00	0.00	0.00
PBHL - TD (H6FC#1H)									

Design Targets

Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
PBHL - TD (H6FC#1H)	0.00	0.00	8,810.00	4,587.95	-152.00	617,095.81	674,244.28	32° 41' 44.502 N	103° 54' 4.655 W
- plan hits target center									
- Point									



CUDD Drilling & Measurement Services

Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Site Helios 6 Fed Com #1H
Project:	Eddy Co., New Mexico (Nad 83)	TVD Reference:	WELL @ 3527.00ft (Original Well Elev)
Site:	Helios 6 Fed Com #1H	MD Reference:	WELL @ 3527.00ft (Original Well Elev)
Well:	Helios 6 Fed Com #1H	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	Design #1	Database:	EDM 2003.21 Single User Db

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
555.00	555.00	Rustler		-0.71	
680.00	680.00	Salado		-0.71	
2,190.00	2,190.00	Tansil Dolomite		-0.71	
2,300.00	2,300.00	Yates		-0.71	
2,625.00	2,625.00	Seven Rivers		-0.71	
3,185.00	3,185.00	Queen		-0.71	
3,720.00	3,720.00	Sam Andres		-0.71	
4,415.00	4,415.00	Delaware		-0.71	
6,385.00	6,385.00	Bone Spring		-0.71	
7,785.00	7,785.00	1st BS Ss		-0.71	
8,040.00	8,040.00	2nd BS Lime		-0.71	
8,590.65	8,580.00	2nd BS Ss		-0.71	
8,879.68	8,785.00	2nd BS Middle Ss		-0.71	
	8,900.00	2nd BS Middle Ss Base		-0.71	
	9,035.00	3rd BS Lime		-0.71	

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
8,340.00	8,340.00	0.00	0.00	KOP - Build & Turn 12.0°/100'
9,178.09	8,860.41	520.35	-152.78	EOC - Hold I: 90.71° @ A:0.01°

Checked By: _____ Approved By: _____ Date: _____

devon

Project: Eddy Co., New Mexico (Nad 83)
Site: Helios 6 Fed Com #1H
Well: Helios 6 Fed Com #1H
Wellbore: Lateral #1
Design: Design #1

CUD
DRILLING & MEASUREMENT
SERVICES

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	8340.00	0.00	0.00	8340.00	0.00	0.00	0.00	0.00	0.00	
3	8715.00	45.00	332.00	8677.62	123.48	-65.65	12.00	332.00	125.59	
4	8744.64	45.00	332.00	8686.57	141.98	-75.49	0.00	0.00	144.40	
5	9178.09	90.71	0.01	8860.41	520.35	-152.78	12.00	36.57	525.13	
6	13246.00	90.71	0.01	8810.00	4587.95	-152.00	0.00	0.00	4590.47	PBHL - TD (H6FC#1H)

ANNOTATIONS

TVD	MD	Annotation
8340.00	8340.00	KOP - Build & Turn 12.0°/100'
8860.41	9178.09	EOC - Hold t: 90.71° @ A:0.01°

PROJECT DETAILS: Eddy Co., New Mexico (Nad 83)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude	Shape
PBHL - TD (H6FC#1H)	8810.00	4587.95	-152.00	617095.81	674244.28	32° 41' 44.502 N	103° 54' 4.655 W	Point

WELL DETAILS: Helios 6 Fed Com #1H

Ground Level: 3507.00
WELL @ 3527.00ft (Original Well Elev)

+N-S	+E-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	612507.87	674396.28	32° 40' 59.038 N	103° 54' 3.095 W	

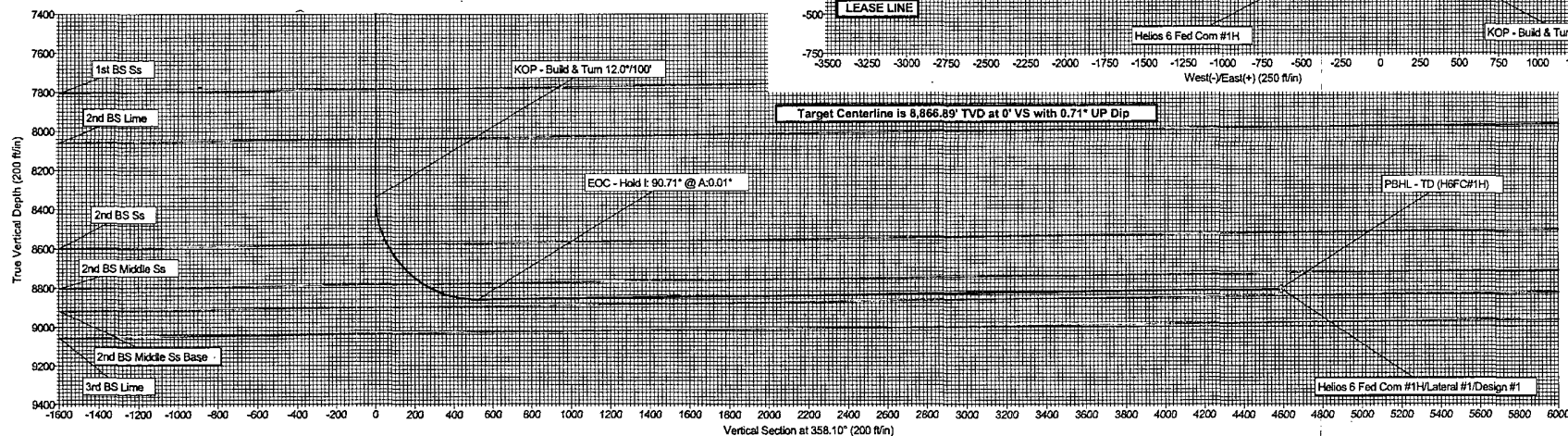
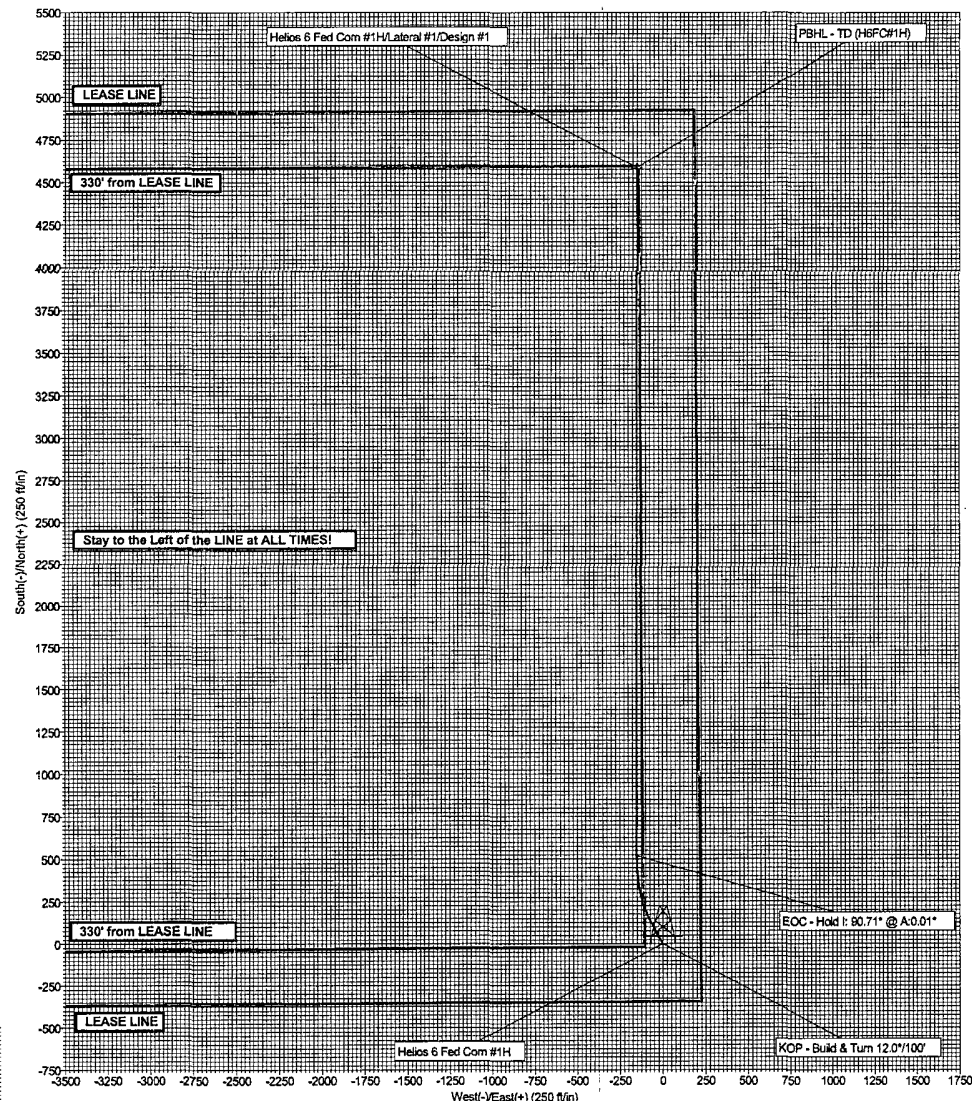
Plan: Design #1 (Helios 6 Fed Com #1H/Lateral #1)

Created By: Mike Starkay Date: 18:07, November 03 2010
Checked: _____ Date: _____
Reviewed: _____ Date: _____
Approved: _____ Date: _____



Azimuths to Grid North
True North: -0.23°
Magnetic North: 7.60°

Magnetic Field
Strength: 48951.1nT
Dip Angle: 60.59°
Date: 11/03/2010
Model: IGRF200510



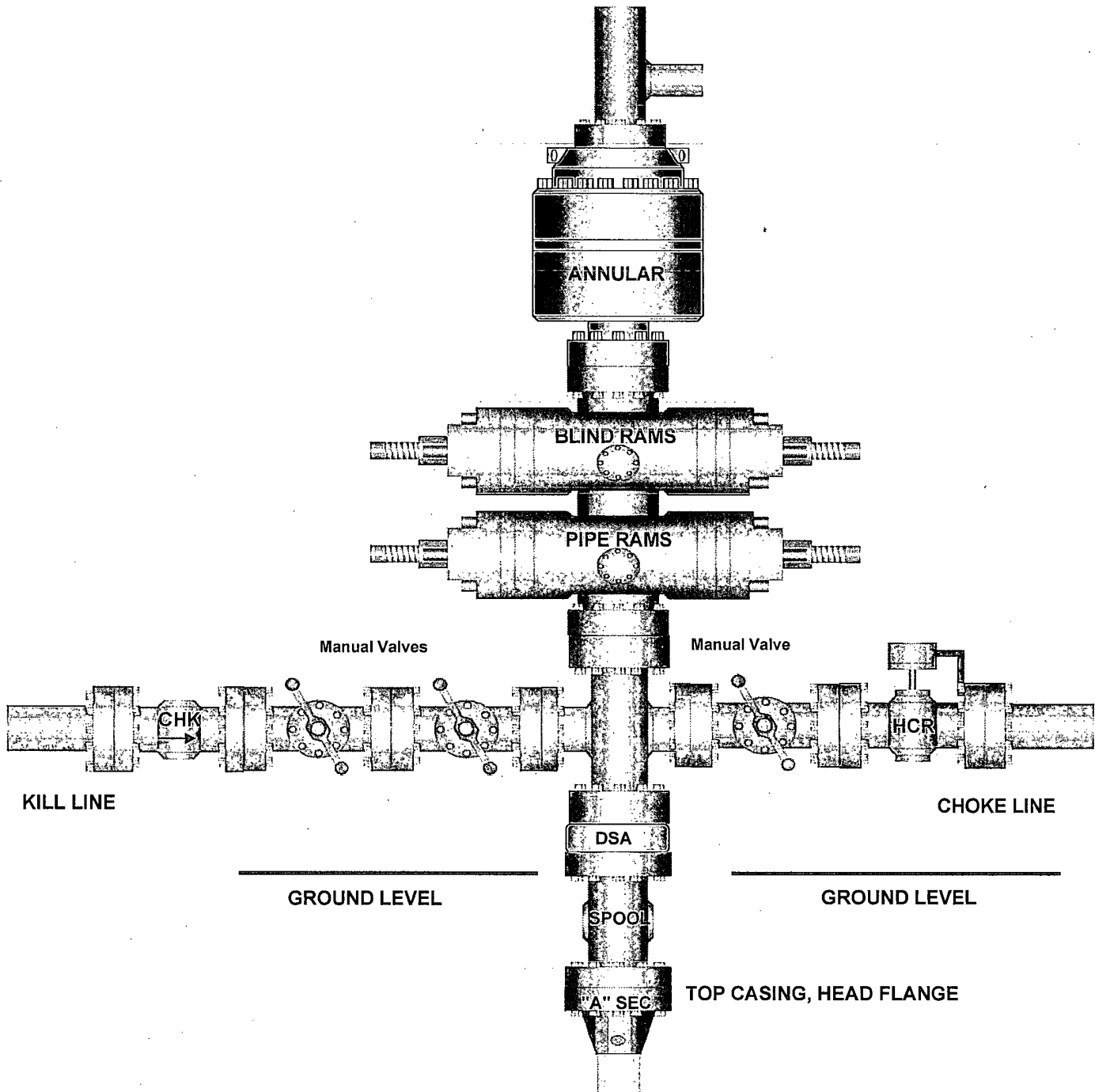
Attachment to Exhibit #1
NOTES REGARDING BLOWOUT PREVENTERS
Devon Energy Production Company, LP

Helios 6 Fed Com 1H

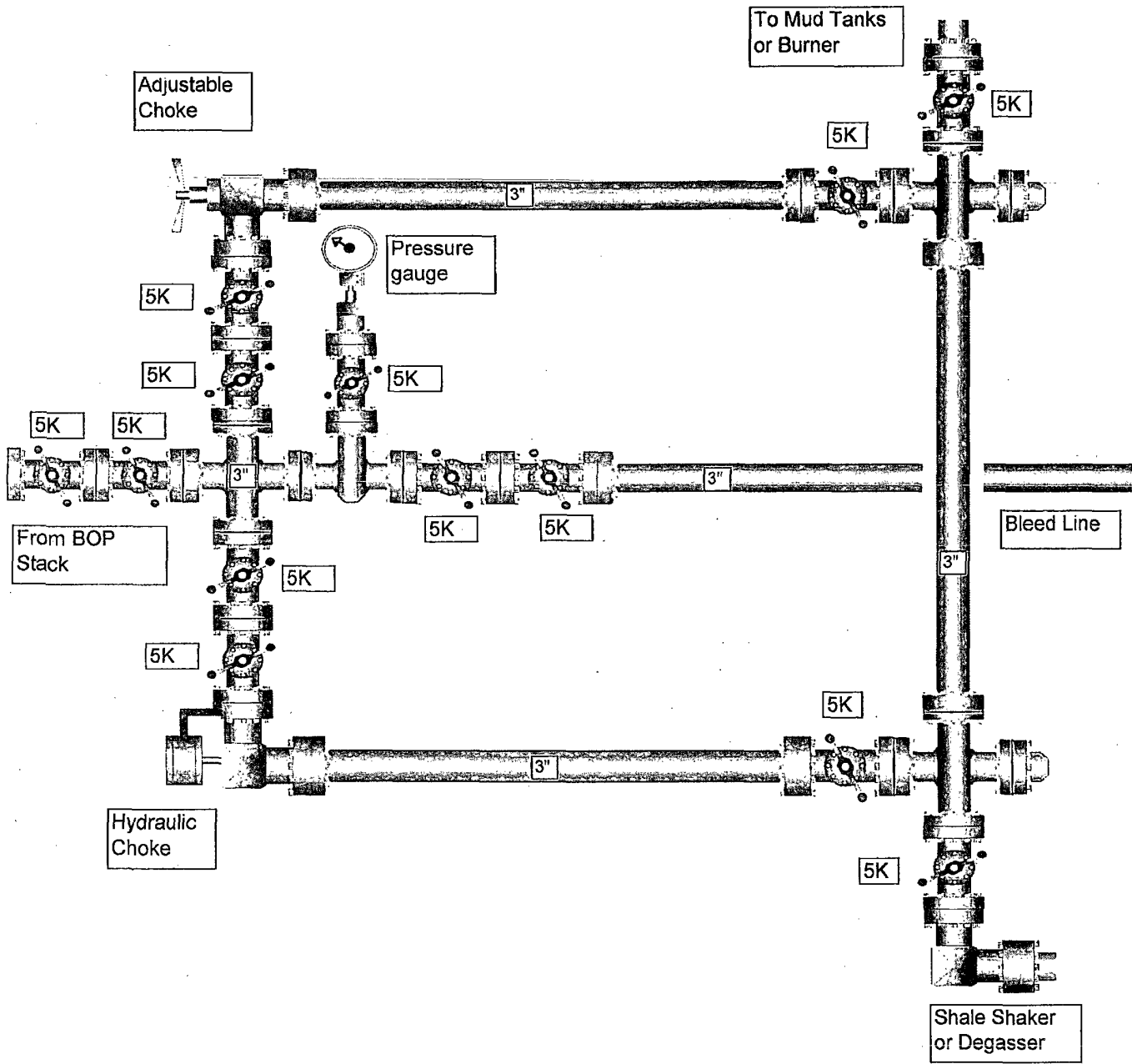
Surface Location: 340' FSL & 220' FEL, Unit P, Sec 6 T19S R31E, Eddy, NM
Bottom hole Location: 340' FNL & 340' FEL, Unit A, Sec 6 T19S R31E, Eddy, NM

1. Drilling nipple will be constructed so it can be removed mechanically without the aid of a welder. The minimum internal diameter will equal BOP bore.
2. Wear ring will be properly installed in head.
3. Blowout preventer and all associated fittings will be in operable condition to withstand a minimum 5000 psi working pressure.
4. All fittings will be flanged.
5. A full bore safety valve tested to a minimum 5000 psi WP with proper thread connections will be available on the rotary rig floor at all times.
6. All choke lines will be anchored to prevent movement.
7. All BOP equipment will be equal to or larger in bore than the internal diameter of the last casing string.
8. Will maintain a kelly cock attached to the kelly.
9. Hand wheels and wrenches will be properly installed and tested for safe operation.
10. Hydraulic floor control for blowout preventer will be located as near in proximity to driller's controls as possible.
11. All BOP equipment will meet API standards and include a minimum 40 gallon accumulator having two independent means of power to initiate closing operation.

13-5/8" x 5,000 psi BOP Stack



5,000 PSI CHOKE MANIFOLD



OCD-ARTESIA

Form 3160-5
(February 2005)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.5. Lease Serial No.
NMLC-065244-A

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
Devon Energy Production Co., LP3a. Address
20 North Broadway
OKC, OK 731023b. Phone No. (include area code)
(405)-552-7802

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.
Helios 6 Fed Com 1H9. API Well No.
30-015-10. Field and Pool or Exploratory Area
Hackberry; Bone Springs, NW4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SESE SL: 340' FSL & 220' FEL Lot P BHL: 340' FNL & 340' FEL Lot A
Sec 6-T19S-R31E11. Country or Parish, State
Eddy County, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Correct
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Proration Unit
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	Acreage

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Devon Energy Production Co., LP respectfully advises the initial APD was submitted with a C-102 that denoted 160 acres, Land found the acreage tied to the E/2 E/2 proration unit will be 159.63.

Lease NMLC-065444 = 80 acres

Lease NM-66437 = 359 acres

See attached revised C-102 and Form 3160-3.

RECEIVED

FEB 01 2011

NMOCD ARTESIA

Engr reviewed -
WWI 1-19-11

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)
Stephanie A. Ysasaga

Title Sr. Staff Engineering Technician

Signature

Date 11/12/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/s/ Don Peterson

FIELD MANAGER

JAN 27 2011

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

CARLSBAD FIELD OFFICE

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)