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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. **NM 0560290 BHL**
L-2766 & L-6523 State BHL

6 If Indian, Allottee or Tribe Name

1a. Type of work ☒ DRILL ☐ REENTER

7 If Unit or CA Agreement, Name and No
BFDU 14-08-0001-12391 SM 70798X

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

8 Lease Name and Well No.
Burton Flat Deep Unit 52H <362209>

2 Name of Operator
Devon Energy Production Co., LP

9 API Well No.
30-015-40693

3a Address **333 W. Sheridan Avenue
OKC, OK 73102**

3b Phone No. (include area code)
(405)-228-4248

10 Field and Pool, or Exploratory
Burton Flat; Bone Spring <3713>

4 Location of Well (Report location clearly and in accordance with any State requirements.)
At surface **4000' FNL & 50' FEL Lot 16, Sec 3, 21S-27E**
At proposed prod zone **4240' FNL & 330' FEL Lot 16, Sec 2, 21S-27E**

11 Sec, T, R, M or Blk and Survey or Area
Sec 3-21S-27E

14 Distance in miles and direction from nearest town or post office*
Approximately 5 miles north of Carlsbad, NM.

12 County or Parish
Eddy

13. State
NM

15 Distance from proposed* location to nearest property or lease line, ft (Also to nearest drg unit line, if any)
330'

16. No of acres in lease
314.62 ac/280 ac

17 Spacing Unit dedicated to this well
S/2 of middle 1/3 or 160 acres

18 Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft
See attached map

19. Proposed Depth
**TYP: 6,689' MD: 11,357'
PH: 6852'**

20. BLM/BIA Bond No. on file
CO-1104 NMB000801

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
3207.3' GL

22 Approximate date work will start*

23. Estimated duration
45 days

To be pad drilled w/BFDU #56H

24. Attachments

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

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

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

25 Signature **Patti Riechers**
Title **Sr. Staff Operations Technician**

Name (Printed/Typed)
Patti Riechers

Date
07/20/2012

Approved by (Signature)
/s/ Don Peterson

Name (Printed/Typed)
/s/ Don Peterson

Date
SEP 11 2012

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 USC Section 1001 and Title 43 USC 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

Operators Representative:

The Devon Energy Production Company, L.P. representatives responsible for ensuring compliance of the surface use plan are listed below.

James Allbee - Operations Engineer Advisor
Devon Energy Production Company, L.P.
333 West Sheridan
Oklahoma City, OK 73102-5010
(405) 228-8698 (office)
(405) 820-8682 (Cellular)

Don Mayberry - Superintendent
Devon Energy Production Company, L.P.
Post Office Box 250
Artesia, NM 88211-0250
(575) 748-3371 (office)
(575) 746-4945 (home)

Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access road proposed herein; that I am familiar with the conditions that presently exist; that I have full knowledge of State and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or Devon Energy Production Company, L.P. am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

I hereby also certify that I, or Devon Energy Production Company, L.P. have made a good faith effort to provide the surface owner with a copy of the Surface Use Plan of Operations and any Conditions of Approval that are attached to the APD.

Executed this 3rd day of July, 2012.

Printed Name: Patti Riechers

Signed Name: Patti Riechers

Position Title: Operations Technician

Address: 333 W. Sheridan, OKC OK 73102

Telephone: (405)-228-4248

Field Representative (if not above signatory):

Address (if different from above):

Telephone (if different from above):

District I

1625 N Trench Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, 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 & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised October 15, 2009

Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-40693	² Pool Code 3713	³ Pool Name Bone Springs	Avalon; Bone Spring, EAST
⁴ Property Code 302209	⁵ Property Name BURTON FLAT DEEP UNIT		⁶ Well Number 52H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.		⁹ Elevation 3207.3

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
16	3	21 S	27 E		4000	NORTH	50	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

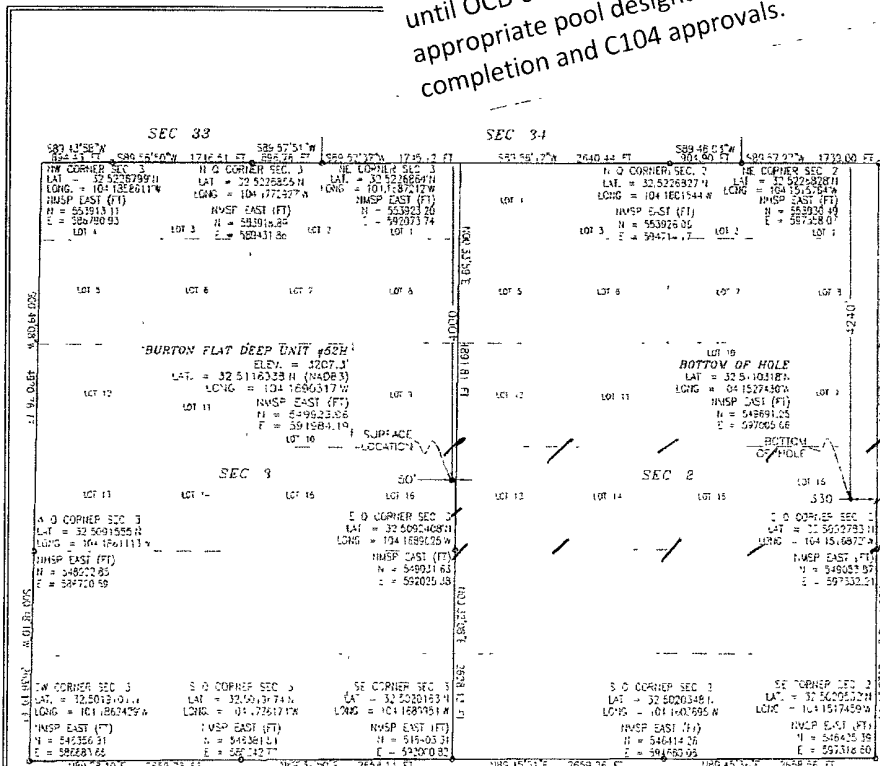
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
16	2	21 S	27 E		4240	NORTH	330	EAST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
160			

No allowable will be assigned to this completion division

OPERATOR: Please do not report production under this pool id code until OCD confirms perfs and appropriate pool designation on completion and C104 approvals.

a non-standard unit has been approved by the



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Patti Riechers 7/2/2012
Signature Date

Printed Name
Patti Riechers, Operations Tech

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.

MAY 25 2012

Date of Survey

FILMON F. JARA VILLO
Signature and Seal of Professional Surveyor
Certificate Number: FILMON F. JARA VILLO, PLS 12797
SURV. NO 1055

DRILLING PROGRAM
Devon Energy Production Company, LP
Burton Flat Deep Unit #52H

Surface Location: 4000' FNL & 50' FEL, Unit 16, Sec 3 T21S R27E, Eddy, NM
Bottom Hole Location: 4240' FNL & 330' FEL, Unit 16, Sec 2 T21S R27E, Eddy, NM

1. Geologic Name of Surface Formation

a. Quaternary

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

a. Fresh Water	15'	
b. Rustler	surface	
c. Salado	270'	Barren
d. Base of Salt	435'	Barren
e. Tansil	500'	Barren
f. Yates	610'	Barren
g. 7 Rivers	745'	Barren
h. Capitan	860'	Water
i. Capitan Base	2585'	Barren
j. Delaware	2840'	Oil
k. Bone Spring Lm	5242'	Oil
l. 1 st Bone Spring Ss	6449'	Oil
m. 1 st Bone Spring Ss Upper	6460'	Oil
n. 1 st Bone Spring Ss Mid	6510'	Oil
o. 1 st Bone Spring Ss Mid B	6543'	Oil
p. 2 nd Bone Spring Lime	6702'	Oil
q. Pilot Hole TD	6852'	Oil

Total Depth 6,689'

3. Casing Program: All casing is new and API approved.

<u>Hole Size</u>	<u>Hole Interval</u>	<u>OD Csg</u>	<u>Casing Interval</u>	<u>Weight</u>	<u>Collar</u>	<u>Grade</u>
26"	0' - 200'	20"	0' - 200'	94#	BT&C	J/K-55
17 1/2"	0' - 840'	13 3/8"	0' - 840'	68#	BT&C	J/K-55
12 1/4"	840' - 2700'	9 5/8"	0 - 2700'	40#	LT&C	J-55
8 3/4"	2700' - 5800'	5 1/2"	0' - 5800'	17#	LT&C	HCP110
8 3/4"	5800' - 11357'	5 1/2"	5800' - 11357'	17#	LT&C	HCP110

An 8 3/4" Pilot Hole will be drilled to 6,852' MD and cemented back to KOP. The cement plug details and geometry are included below in the cementing program.

Design Parameter Factors:

<u>Casing Size</u>	<u>Collapse Design</u>	<u>Burst Design</u>	<u>Tension Design</u>
	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
20"	5.55	22.5	42.0
13 3/8"	1.74	3.91	8.00
9 5/8"	1.56	2.73	4.57
5 1/2"	2.75	3.92	2.30
5 1/2"	2.38	3.39	6.01

4. Cement Program: (volumes based on at least 25% excess):

- a. 20" Surface **Lead** w/ 510 Cl C cmt + 2% bwoc Calcium Chloride + 0.125#/sx CF + 56.3% FW. 14.8 ppg. **Yield** 1.35 cf/sx. **TOC @** surface.
- b. 13 3/8" 1st Intermediate **Lead** w/ 415 sx Class C + 2% bwow Calcium Chloride + 0.125#/sx CF + 4% bwoc Bentonite + 81.4% FW, 13.5 ppg. **Yield** 1.75 cf/sx. **Tail** w/ 335 sx Class C + 2% bwow Calcium Chloride + 0.125#/sx CF + 56.3% FW, 14.8 ppg. **Yield** 1.35 cf/sx. **TOC @** surface.
- c. 9 5/8" 2nd Intermediate **Lead** w/ 700 sacks (60:40) Poz (Fly Ash):Class C Cement + 5% bwow Sodium Chloride + 0.125 lbs/sack CF + 3 lbs/sack LCM-1 + 1% bwoc Sodium Metasilicate + 89.7% FW. 12.6 ppg. **Yield** 1.73 cf/sx. **Tail** w/ 300 sx (60:40) Poz (Fly Ash):Cl C Cmt + 5% bwow Sodium Chloride + 0.125 lbs/sack CF + 0.4% bwoc Sodium Metasilicate + 4% bwoc (MPA-5, to enhance compressive, tensile, flexural strength development and reduce permeability) + 65.5% FW. 13.8 ppg. **Yield** 1.38 cf/sx. **TOC @** surface.
- d. 5 1/2" Production **1st Lead** w/ 615 sx 50:50 POZ (Fly Ash) Class H + 0.5% bwoc FL-52 + 0.15% bwoc (ASA-301, to reduce free water and settling in cmt slurries) + 10% bwoc Bentonite + 0.3% bwoc (R-21, temperature retarder) + 130.5% FW, 11.8 ppg. **Yield** 2.30 cf/sx. **2nd lead** w/415 sacks (35:65) Poz (Fly Ash):Cl H Cement + 3% bwow Sodium Chloride + 0.125 lbs/sack CF + 0.7% bwoc FL-52 + 6% bwoc Bentonite + 105.4% FW. 12.5 ppg. **Yield** 2.00 cf/sx. **Tail** w/ 1430 sacks (50:50) Poz (Fly Ash):Class H Cement + 5% bwow Sodium Chloride + 0.3% bwoc CD-32 + 0.5% bwoc FL-25 + 0.5% bwoc FL-52 + 0.5% bwoc Sodium Metasilicate + 57.3% FW, 14.2 ppg. **Yield** 1.28 cf/sx. **TOC @** 600'.
- 8 3/4" Pilot Hole Drill to 6852' and plug back w/300 sx Cl H, 15.6 ppg, 1.18 cf/sx.

The above cement volumes could be revised pending the caliper measurement from the open hole logs.

5. Pressure Control Equipment

The BOP system used to drill the 17-1/2" hole will consist of a 20" 2M Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order No. 2 as a 2M system prior to drilling out the casing shoe.

The BOP system used to drill the 12-1/4" and 8-3/4" holes will consist of a 13-5/8" 3M 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 casing shoe.

The pipe rams will be operated and checked as per Onshore Order No 2. 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 3,000 psi WP.

Devon requests a variance to use a flexible line with flanged ends between the BOP and the choke manifold (choke line). The line will be kept as straight as possible with minimal turns.

6. Proposed Mud Circulation System

<u>Depth</u>	<u>Mud Wt.</u>	<u>Visc</u>	<u>Fluid Loss</u>	<u>Type System</u>
0' - 200'	8.4-9.0	30-34	NC	FW
200' - 840'	9.8-10.0	28-32	NC	Brine
840' - 2,700'	8.4-9.0	28-30	NC	FW
2,700' - 11,357'	8.6-9.0	28-32	NC-12	FW

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.
- 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.
- The open hole electrical logging program will be:
 - Total Depth to Intermediate Casing
Dual Laterolog-Micro Laterolog with SP and Gamma Ray. Compensated Neutron - Z Density log with Gamma Ray and Caliper.
 - 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 3000 psi and Estimated BHT 130°. 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.

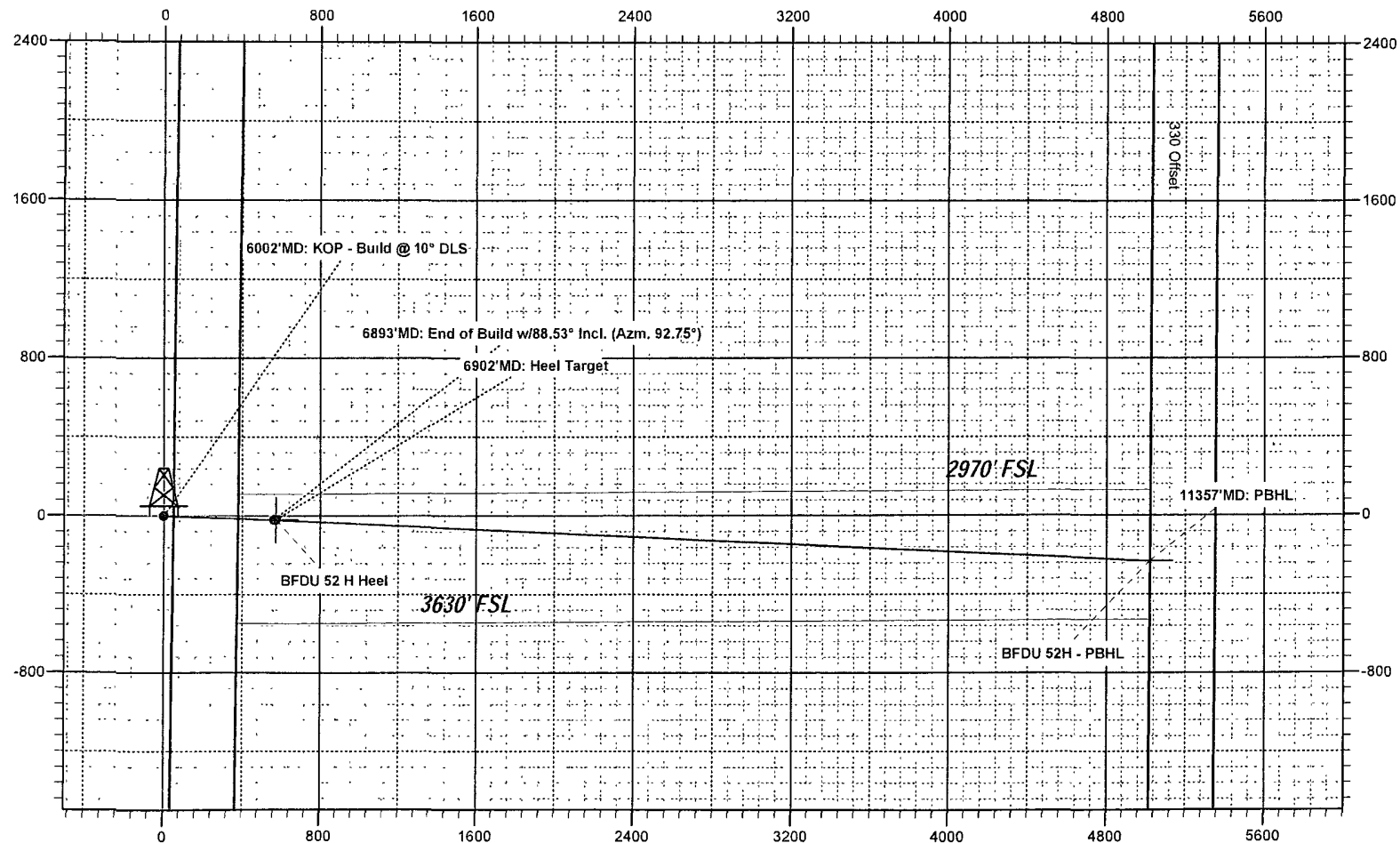
HALLIBURTON | Sperry Drilling

SURFACE LOCATION

US State Plane 1983
New Mexico Eastern Zone
Elevation GL 3207 3 + 25 KB @ 3232.30ft (TBD)

Northing	Easting	Latitude	Longitude
549923.96	591984 19	32° 30' 42 098 N	104° 10' 8 514 W

Magnetic Model BGGM2012 Date 19-Jun-12
Azimuths to Grid North



Devon Energy Corporation

HALLIBURTON | Sperry Drilling

Project: Eddy County, NM (NAD 83)
 Site: Burton Flat Deep Unit
 Well: Burton Flat Deep Unit 52H
 Wellbore: Wellbore #1
 Plan: Plan #1
 Rig: TBD



SURFACE LOCATION

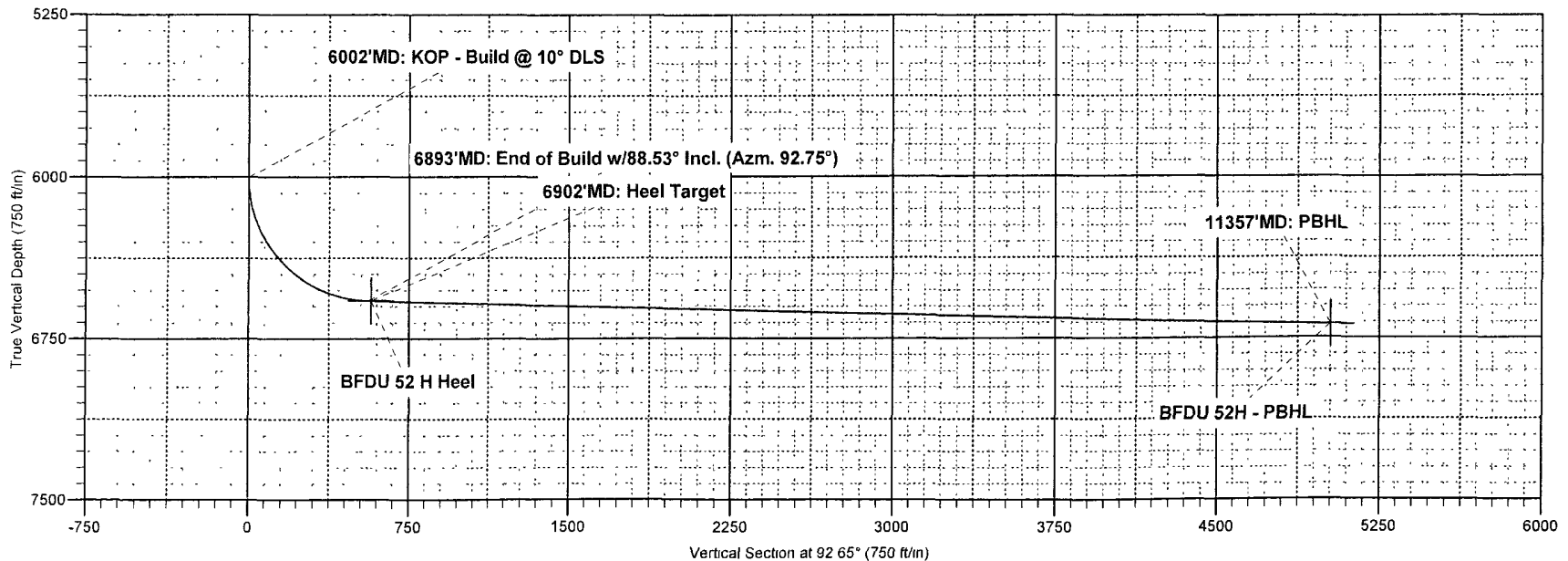
US State Plane 1983
 New Mexico Eastern Zone
 Elevation GL 3207 3 + 25 KB @ 3232.30ft (TBD)
 Northing Easting Latitude Longitude
 549923.96 591984 19 32° 30' 42 098 N 104° 10' 8.514 W

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
BFDU 52 H Heel	6575.00	-19.38	572.84	549904.58	592557.03	Point
BFDU 52H - PBHL	6689.00	-232.71	5021.47	549691.25	597005.66	Point

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6002.00	0.00	0.00	6002.00	0.00	0.00	0.00	0.00	0.00	6002'MD KOP - Build @ 10° DLS
6884.44	88.27	91.92	6574.53	-18.60	555.18	10.00	91.92	555.45	Continue Build
6893.11	88.53	92.75	6574.77	-18.95	563.85	10.00	72.29	564.12	6893'MD End of Build w/88.53° Incl. (Azm. 92.75°)
6902.11	88.53	92.75	6575.00	-19.38	572.84	0.00	0.00	573.12	6902'MD Heel Target
11357.32	88.53	92.75	6689.00	-232.71	5021.47	0.00	0.00	5026.86	11357'MD PBHL



Date 12 21, June 19 2012

Devon Energy Corporation

Eddy County, NM (NAD 83)

Burton Flat Deep Unit

Burton Flat Deep Unit 52H

Wellbore #1

Plan: Plan #1

Sperry Drilling Services Proposal Report

19 June, 2012

Well Coordinates 549,923.96 N, 591,984.19 E (32° 30' 42 10" N, 104° 10' 08 51" W)
Ground Level 3,203.60 ft

Local Coordinate Origin	Centered on Well Burton Flat Deep Unit 52H
Viewing Datum	GL 3207.3 + 25 KB @ 3232.30ft (TBD)
TVDs to System	N
North Reference	Grid
Unit System	API - US Survey Feet

Version: 2003.16 Build 431

HALLIBURTON

Plan Report for Burton Flat Deep Unit 52H - Plan #1

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)	Toolface Azimuth (°)
0 00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100 00	0.00	0.00	100 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200 00	0.00	0.00	200 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300 00	0.00	0.00	300 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400 00	0.00	0.00	400 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
500 00	0.00	0.00	500 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600 00	0.00	0.00	600 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
700 00	0.00	0.00	700 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800 00	0.00	0.00	800 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
900 00	0.00	0.00	900 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000 00	0.00	0.00	1,000 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100 00	0.00	0.00	1,100 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200 00	0.00	0.00	1,200 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300 00	0.00	0.00	1,300 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400 00	0.00	0.00	1,400 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500 00	0.00	0.00	1,500 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600 00	0.00	0.00	1,600 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700 00	0.00	0.00	1,700 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800 00	0.00	0.00	1,800 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900 00	0.00	0.00	1,900 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000 00	0.00	0.00	2,000 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100 00	0.00	0.00	2,100 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200 00	0.00	0.00	2,200 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300 00	0.00	0.00	2,300 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400 00	0.00	0.00	2,400 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500 00	0.00	0.00	2,500 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600 00	0.00	0.00	2,600 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700 00	0.00	0.00	2,700 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800 00	0.00	0.00	2,800 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900 00	0.00	0.00	2,900 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000 00	0.00	0.00	3,000 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100 00	0.00	0.00	3,100 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200 00	0.00	0.00	3,200 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300 00	0.00	0.00	3,300 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400 00	0.00	0.00	3,400 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500 00	0.00	0.00	3,500 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600 00	0.00	0.00	3,600 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700 00	0.00	0.00	3,700 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800 00	0.00	0.00	3,800 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900 00	0.00	0.00	3,900 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000 00	0.00	0.00	4,000 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100 00	0.00	0.00	4,100 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200 00	0.00	0.00	4,200 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300 00	0.00	0.00	4,300 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400 00	0.00	0.00	4,400 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500 00	0.00	0.00	4,500 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600 00	0.00	0.00	4,600 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700 00	0.00	0.00	4,700 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800 00	0.00	0.00	4,800 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900 00	0.00	0.00	4,900 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000 00	0.00	0.00	5,000 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100 00	0.00	0.00	5,100 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200 00	0.00	0.00	5,200 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300 00	0.00	0.00	5,300 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,400 00	0.00	0.00	5,400 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500 00	0.00	0.00	5,500 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600 00	0.00	0.00	5,600 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700 00	0.00	0.00	5,700 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800 00	0.00	0.00	5,800 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Plan Report for Burton Flat Deep Unit 52H - Plan #1

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)	Toolface Azimuth (°)
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,002.00	0.00	0.00	6,002.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6002'MD: KOP - Build @ 10° DLS										
6,100.00	9.80	91.92	6,099.52	-0.28	8.36	8.36	10.00	10.00	0.00	91.92
6,200.00	19.81	91.92	6,196.08	-1.13	33.86	33.88	10.00	10.00	0.00	0.00
6,300.00	29.81	91.92	6,286.74	-2.54	75.74	75.78	10.00	10.00	0.00	0.00
6,400.00	39.81	91.92	6,368.74	-4.45	132.73	132.79	10.00	10.00	0.00	0.00
6,500.00	49.81	91.92	6,439.59	-6.80	203.08	203.17	10.00	10.00	0.00	0.00
6,600.00	59.82	91.92	6,497.14	-9.53	284.66	284.79	10.00	10.00	0.00	0.00
6,700.00	69.82	91.92	6,539.63	-12.56	374.99	375.17	10.00	10.00	0.00	0.00
6,800.00	79.82	91.92	6,565.78	-15.79	471.32	471.55	10.00	10.00	0.00	0.00
6,884.44	88.27	91.92	6,574.53	-18.60	555.18	555.45	10.00	10.00	0.00	0.00
Continue Build										
6,893.11	88.53	92.75	6,574.77	-18.95	563.85	564.12	10.00	3.04	9.53	72.29
6893'MD: End of Build w/88.53° Incl. (Az. 92.75°)										
6,900.00	88.53	92.75	6,574.95	-19.28	570.72	571.01	0.00	0.00	0.00	0.00
6,902.11	88.53	92.75	6,575.00	-19.38	572.84	573.12	0.00	0.00	0.00	0.00
6902'MD: Heel Target - BFDU 52 H Heel										
7,000.00	88.53	92.75	6,577.50	-24.07	670.58	670.97	0.00	0.00	0.00	0.00
7,100.00	88.53	92.75	6,580.06	-28.85	770.43	770.94	0.00	0.00	0.00	0.00
7,200.00	88.53	92.75	6,582.62	-33.64	870.28	870.91	0.00	0.00	0.00	0.00
7,300.00	88.53	92.75	6,585.18	-38.43	970.13	970.87	0.00	0.00	0.00	0.00
7,400.00	88.53	92.75	6,587.74	-43.22	1,069.99	1,070.84	0.00	0.00	0.00	0.00
7,500.00	88.53	92.75	6,590.30	-48.01	1,169.84	1,170.81	0.00	0.00	0.00	0.00
7,600.00	88.53	92.75	6,592.86	-52.80	1,269.69	1,270.78	0.00	0.00	0.00	0.00
7,700.00	88.53	92.75	6,595.42	-57.58	1,369.54	1,370.74	0.00	0.00	0.00	0.00
7,800.00	88.53	92.75	6,597.98	-62.37	1,469.40	1,470.71	0.00	0.00	0.00	0.00
7,900.00	88.53	92.75	6,600.53	-67.16	1,569.25	1,570.68	0.00	0.00	0.00	0.00
8,000.00	88.53	92.75	6,603.09	-71.95	1,669.10	1,670.64	0.00	0.00	0.00	0.00
8,100.00	88.53	92.75	6,605.65	-76.74	1,768.95	1,770.61	0.00	0.00	0.00	0.00
8,200.00	88.53	92.75	6,608.21	-81.53	1,868.81	1,870.58	0.00	0.00	0.00	0.00
8,300.00	88.53	92.75	6,610.77	-86.32	1,968.66	1,970.55	0.00	0.00	0.00	0.00
8,400.00	88.53	92.75	6,613.33	-91.10	2,068.51	2,070.51	0.00	0.00	0.00	0.00
8,500.00	88.53	92.75	6,615.89	-95.89	2,168.36	2,170.48	0.00	0.00	0.00	0.00
8,600.00	88.53	92.75	6,618.45	-100.68	2,268.22	2,270.45	0.00	0.00	0.00	0.00
8,700.00	88.53	92.75	6,621.00	-105.47	2,368.07	2,370.41	0.00	0.00	0.00	0.00
8,800.00	88.53	92.75	6,623.56	-110.26	2,467.92	2,470.38	0.00	0.00	0.00	0.00
8,900.00	88.53	92.75	6,626.12	-115.05	2,567.77	2,570.35	0.00	0.00	0.00	0.00
9,000.00	88.53	92.75	6,628.68	-119.83	2,667.63	2,670.32	0.00	0.00	0.00	0.00
9,100.00	88.53	92.75	6,631.24	-124.62	2,767.48	2,770.28	0.00	0.00	0.00	0.00
9,200.00	88.53	92.75	6,633.80	-129.41	2,867.33	2,870.25	0.00	0.00	0.00	0.00
9,300.00	88.53	92.75	6,636.36	-134.20	2,967.19	2,970.22	0.00	0.00	0.00	0.00
9,400.00	88.53	92.75	6,638.92	-138.99	3,067.04	3,070.18	0.00	0.00	0.00	0.00
9,500.00	88.53	92.75	6,641.47	-143.78	3,166.89	3,170.15	0.00	0.00	0.00	0.00
9,600.00	88.53	92.75	6,644.03	-148.56	3,266.74	3,270.12	0.00	0.00	0.00	0.00
9,700.00	88.53	92.75	6,646.59	-153.35	3,366.60	3,370.08	0.00	0.00	0.00	0.00
9,800.00	88.53	92.75	6,649.15	-158.14	3,466.45	3,470.05	0.00	0.00	0.00	0.00
9,900.00	88.53	92.75	6,651.71	-162.93	3,566.30	3,570.02	0.00	0.00	0.00	0.00
10,000.00	88.53	92.75	6,654.27	-167.72	3,666.15	3,669.99	0.00	0.00	0.00	0.00
10,100.00	88.53	92.75	6,656.83	-172.51	3,766.01	3,769.95	0.00	0.00	0.00	0.00
10,200.00	88.53	92.75	6,659.39	-177.29	3,865.86	3,869.92	0.00	0.00	0.00	0.00
10,300.00	88.53	92.75	6,661.95	-182.08	3,965.71	3,969.89	0.00	0.00	0.00	0.00
10,400.00	88.53	92.75	6,664.50	-186.87	4,065.56	4,069.85	0.00	0.00	0.00	0.00
10,500.00	88.53	92.75	6,667.06	-191.66	4,165.42	4,169.82	0.00	0.00	0.00	0.00
10,600.00	88.53	92.75	6,669.62	-196.45	4,265.27	4,269.79	0.00	0.00	0.00	0.00
10,700.00	88.53	92.75	6,672.18	-201.24	4,365.12	4,369.76	0.00	0.00	0.00	0.00
10,800.00	88.53	92.75	6,674.74	-206.02	4,464.97	4,469.72	0.00	0.00	0.00	0.00
10,900.00	88.53	92.75	6,677.30	-210.81	4,564.83	4,569.69	0.00	0.00	0.00	0.00

Plan Report for Burton Flat Deep Unit 52H - Plan #1

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)	Toolface Azimuth (°)
11,000.00	88.53	92.75	6,679.86	-215.60	4,664.68	4,669.66	0.00	0.00	0.00	0.00
11,100.00	88.53	92.75	6,682.42	-220.39	4,764.53	4,769.62	0.00	0.00	0.00	0.00
11,200.00	88.53	92.75	6,684.97	-225.18	4,864.38	4,869.59	0.00	0.00	0.00	0.00
11,300.00	88.53	92.75	6,687.53	-229.97	4,964.24	4,969.56	0.00	0.00	0.00	0.00
11,357.32	88.53	92.75	6,689.00	-232.71	5,021.47	5,026.86	0.00	0.00	0.00	0.00

11357'MD: PBHL - BFDU 52H - PBHL

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	+E/-W (ft)	Comment
6,002.00	6,002.00	0.00	0.00	6002'MD: KOP - Build @ 10° DLS
6,884.44	6,574.53	-18.60	555.18	Continue Build
6,893.11	6,574.77	-18.95	563.85	6893'MD: End of Build w/88.53° Incl. (Azim 92.75°)
6,902.11	6,575.00	-19.38	572.84	6902'MD: Heel Target
11,357.32	6,689.00	-232.71	5,021.47	11357'MD: PBHL

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/-S (ft)	+E/-W (ft)	Start TVD (ft)
User	No Target (Freehand)	92.65	Slot	-0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
0.00	11,357.32	Plan #1	MWD

Targets associated with this wellbore

Target Name	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Shape
BFDU 52 H Heel	6,575.00	-19.38	572.84	Point
BFDU 52H - PBHL	6,689.00	-232.71	5,021.47	Point

North Reference Sheet for Burton Flat Deep Unit - Burton Flat Deep Unit 52H - Wellbore #1

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to Grid North Reference.

Vertical Depths are relative to GL 3207 3 + 25 KB @ 3232 30ft (TBD). Northing and Easting are relative to Burton Flat Deep Unit 52H Coordinate System is US State Plane 1983, New Mexico Eastern Zone using datum North American Datum 1983, ellipsoid GRS 1980.

Projection method is Transverse Mercator (Gauss-Kruger).

Central Meridian is -104 33°, Longitude Origin: 0° 0' 0.000 E°, Latitude Origin: 0° 0' 0.000 N°.

False Easting: 541,337 50ft, False Northing: 0 00ft, Scale Reduction: 0.99991203.

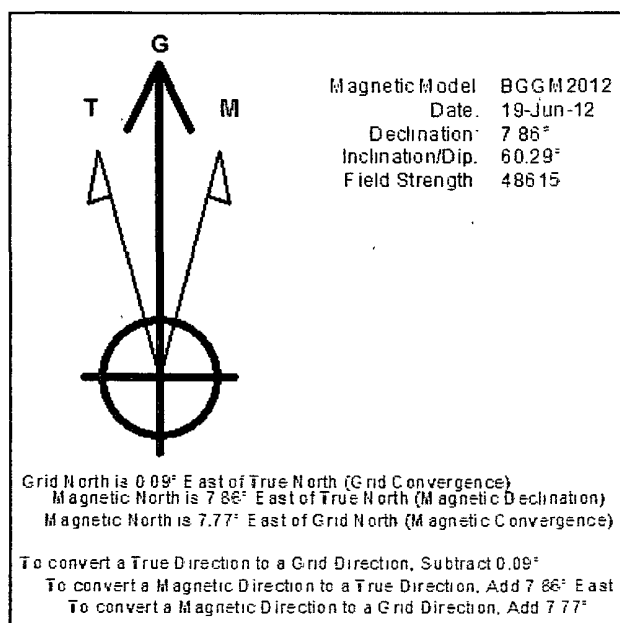
Grid Coordinates of Well: 549,923 96 ft N, 591,984.19 ft E.

Geographical Coordinates of Well: 32° 30' 42 10" N, 104° 10' 08 51" W.

Grid Convergence at Surface is 0.09°.

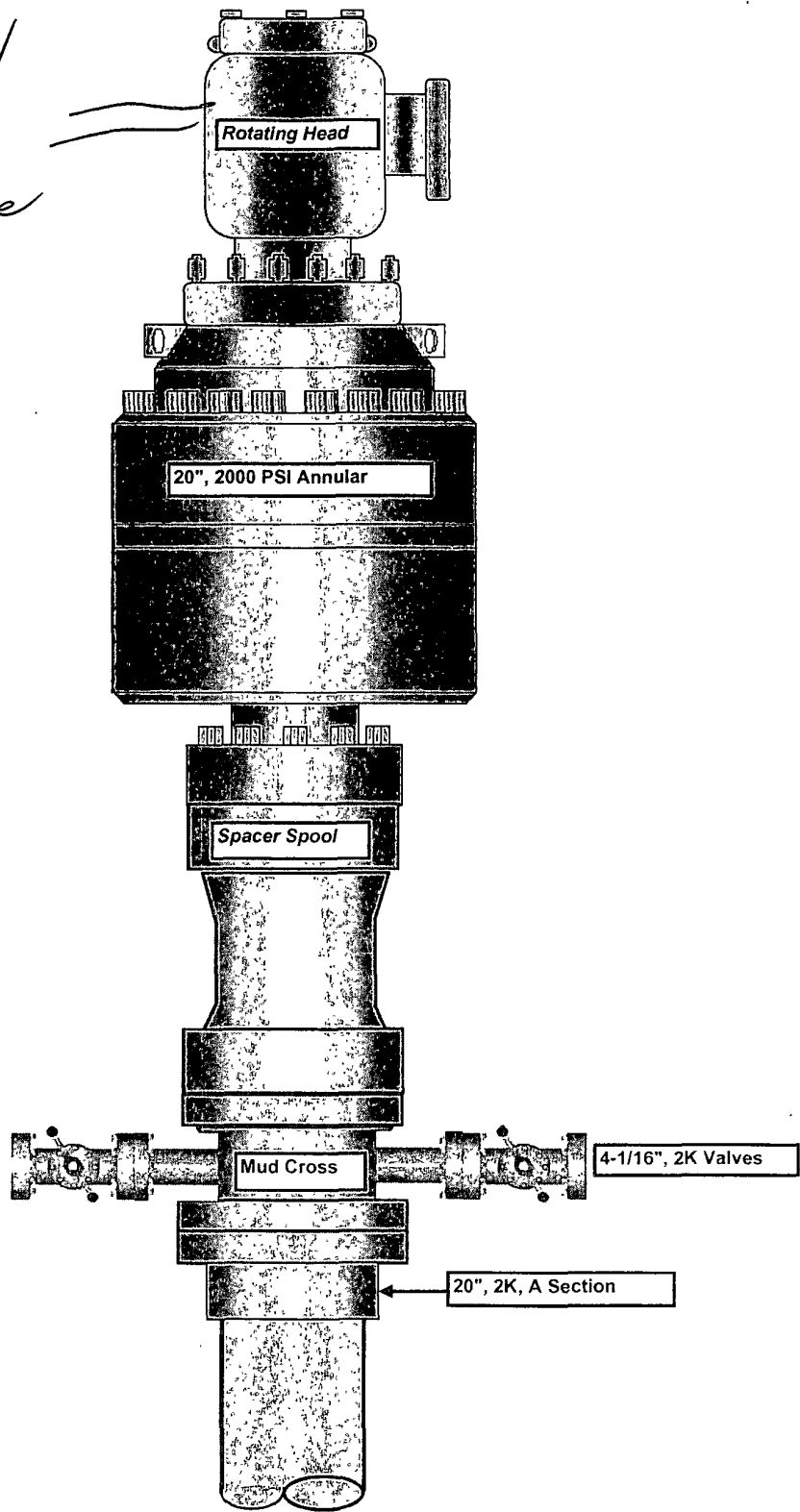
Based upon Minimum Curvature type calculations, at a Measured Depth of 11,357.32ft the Bottom Hole Displacement is 5,026.86ft in the Direction of 92.65° (Grid).

Magnetic Convergence at surface is -7.77° (19 June 2012, BGGM2012).

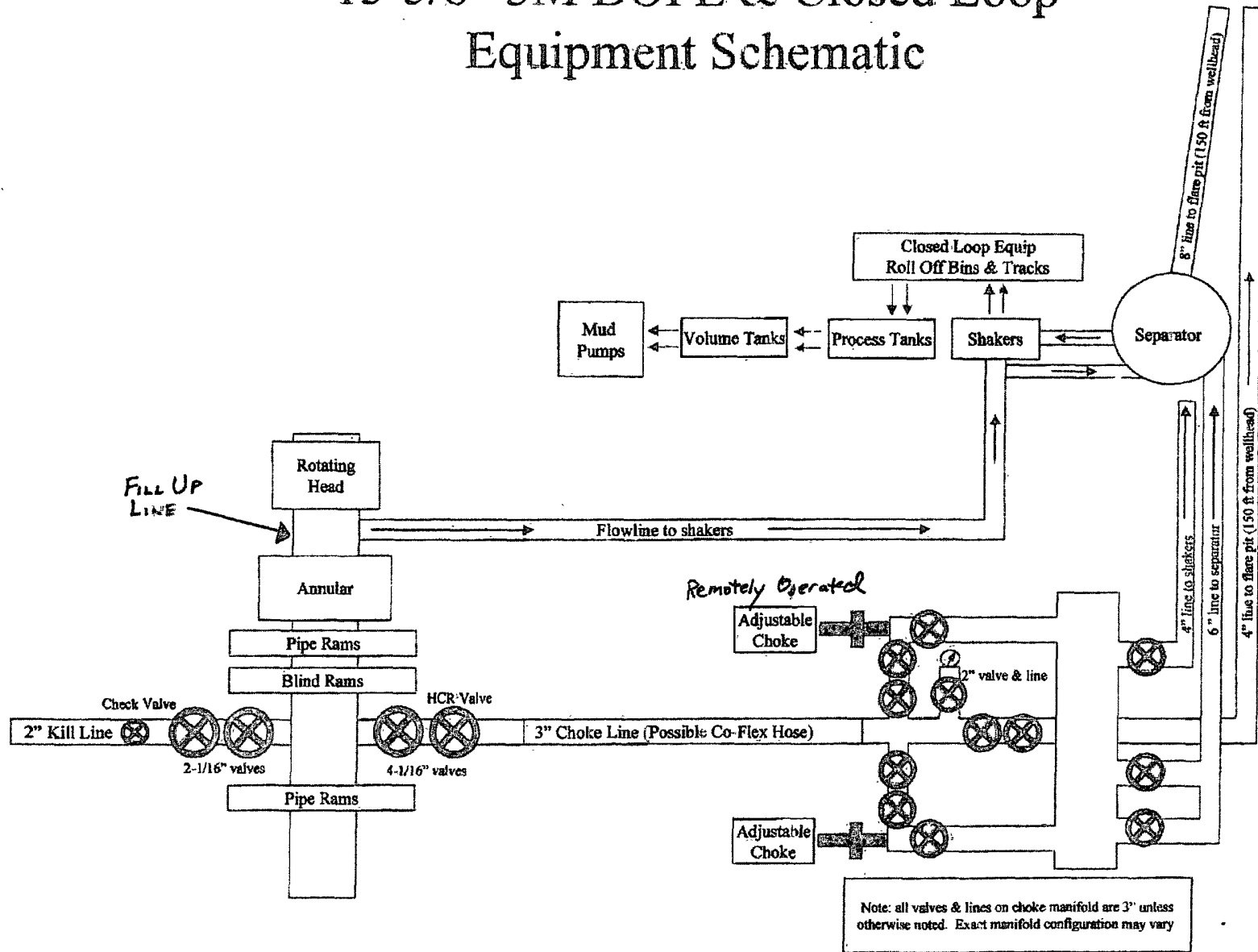


20" 2K Annular

Fill
line



13-5/8" 3M BOPE & Closed Loop Equipment Schematic



NOTES REGARDING BLOWOUT PREVENTERS

Devon Energy Production Company, LP

Burton Flat Deep Unit #52H

Surface Location: 4000' FNL & 50' FEL, Unit 16, Sec 3 T21S R27E, Eddy, NM

Bottom Hole Location: 4240' FNL & 330' FEL, Unit 16, Sec 2 T21S R27E, 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 3000 psi working pressure.
4. All fittings will be flanged.
5. A full bore safety valve tested to a minimum 3000 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.



QUALITY DOCUMENT

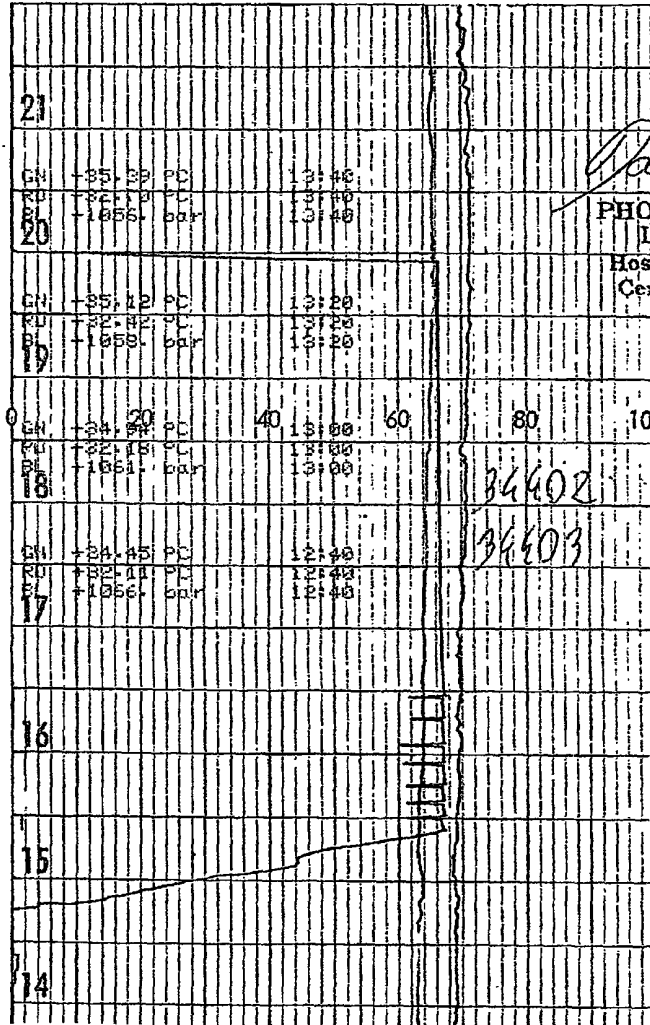
PHOENIX RUBBER INDUSTRIAL LTD.

H-6728 Szeged, Budapest út 10. Hungary • H-6701 Szeged, P. O. Box 152
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Phone: (361) 456-4200 • Fax: (361) 217-2972, 456-4273 • www.tauruserge.hu

QUALITY CONTROL INSPECTION AND TEST CERTIFICATE				CERT N° 890	
PURCHASER: Phoenix Beattie Co				P.O. N° 1520FA-872	
PHOENIX ORDER N° 172232		HOSE TYPE: 3" ID Choke and Kill Hose			
HOSE SERIAL N° 34403		NOMINAL / ACTUAL LENGTH: 11,43 m			
W.P 68,96 MPa 10000 psi		T.P 103,4 MPa 15000 psi		Duration: 60 min.	
Pressure test with water at ambient temperature					
See attachment. (1 page)					
↑ 10 mm = 10 Min. → 10 mm = 16 MPa					
COUPLINGS					
Type	Serial N°		Quality	Heat N°	
3" coupling with 4 1/16" Flange end	1231/a 1228		AISI 4130	80751	
			AISI 4130	47438	
API Spec 16 C Temperature rate: "B"					
All metal parts are flawless					
WE CERTIFY THAT THE ABOVE HOSE HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE TERMS OF THE ORDER AND PRESSURE TESTED AS ABOVE WITH SATISFACTORY RESULT.					
Date: 20. June. 2002.	Inspector		Quality Control PHOENIX RUBBER Industrial Ltd. Hose Inspection and Certification Dept.		

VERIFIED TRUE COPY
PHOENIX RUBBER O.C.



David J

PHOENIX RUBBER
Industrial Ltd.
Hose Inspection and
Certification Dept.

VERIFIED TRUE COPY
PHOENIX RUBBER Q.C.



**Devon Energy Corporation
20 North Broadway
Oklahoma City, Oklahoma 73102-8260**

Hydrogen Sulfide (H₂S) Contingency Plan

For

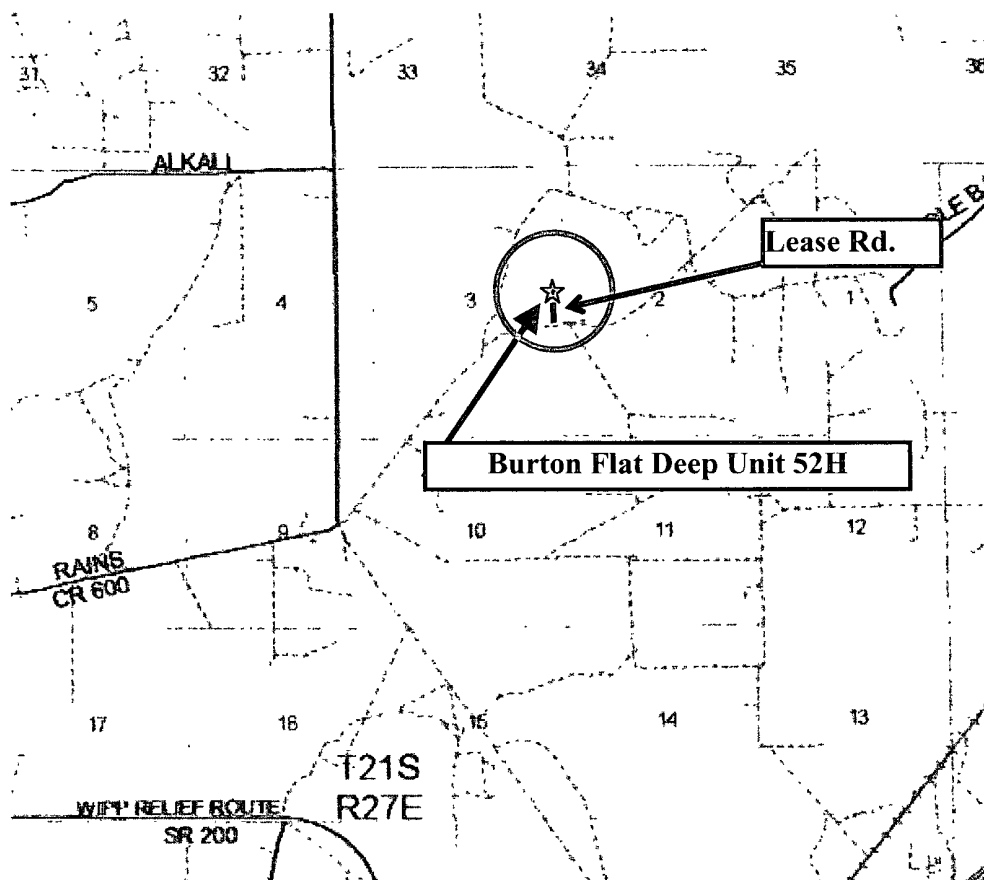
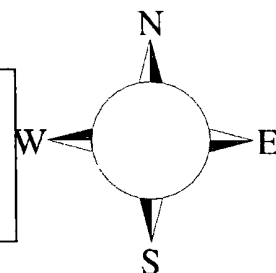
Burton Flat Deep Unit 52H

**Sec-3, T-21S R-27E
4000' FNL & 50' FEL,
LAT. = 32.5116938°N (NAD83)
LONG = 104.1690317°W**

Eddy County NM

Burton Flat Deep Unit 52H

This is an open drilling site. H₂S monitoring equipment and emergency response equipment will be used within 500' of zones known to contain H₂S, including warning signs, wind indicators and H₂S monitor.



Assumed 100 ppm 3000' ()
100 ppm H₂S concentration shall trigger activation of this plan.

Escape

Crews shall escape upwind of escaping gas in the event of an emergency release of gas. Escape can be facilitated from the location entrance road, South then Southwest or Northeast on primitive road. Crews should then block both directions of the road so as not to allow anyone traversing into a hazardous area. The blockade should be at a safe distance outside of the ROE. There are no homes or buildings in or near the ROE.

Assumed 100 ppm ROE = 3000'

100 ppm H₂S concentration shall trigger activation of this plan.

Emergency Procedures

In the event of a release of gas containing H₂S, the first responder(s) must

- Isolate the area and prevent entry by other persons into the 100 ppm ROE.
- Evacuate any public places encompassed by the 100 ppm ROE.
- Be equipped with H₂S monitors and air packs in order to control the release.
- Use the “buddy system” to ensure no injuries occur during the response
- Take precautions to avoid personal injury during this operation.
- Contact operator and/or local officials to aid in operation. See list of phone numbers attached.
- Have received training in the
 - Detection of H₂S, and
 - Measures for protection against the gas,
 - Equipment used for protection and emergency response.

Ignition of Gas Source

Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO₂). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally the NM State Police may become involved. NM State Police shall be the Incident Command on scene of any major release. Take care to protect downwind whenever there is an ignition of the gas

Characteristics of H₂S and SO₂

Common Name	Chemical Formula	Specific Gravity	Threshold Limit	Hazardous Limit	Lethal Concentration
Hydrogen Sulfide	H ₂ S	1.189 Air = 1	10 ppm	100 ppm/hr	600 ppm
Sulfur Dioxide	SO ₂	2.21 Air = 1	2 ppm	N/A	1000 ppm

Contacting Authorities

Devon Energy Corp. personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available. The following call list of essential and potential responders has been prepared for use during a release. Devon Energy Corp. Company response must be in coordination with the State of New Mexico’s ‘Hazardous Materials Emergency Response Plan’ (HMER)

Hydrogen Sulfide Drilling Operation Plan

I. HYDROGEN SULFIDE (H₂S) TRAINING

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on this well:

1. The hazards and characteristics of hydrogen sulfide (H₂S)
2. The proper use and maintenance of personal protective equipment and life support systems.
3. The proper use of H₂S detectors, alarms, warning systems, briefing areas, evacuation procedures, and prevailing winds.
4. The proper techniques for first aid and rescue procedures.

In addition, supervisory personnel will be trained in the following areas:

1. The effects of H₂S metal components. If high tensile tubular are to be used, personnel will be trained in their special maintenance requirements.
2. Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.
3. The contents and requirements of the H₂S Drilling Operations Plan and Public Protection Plan.

There will be an initial training session just prior to encountering a known or probable H₂S zone (within 3 days or 500 feet) and weekly H₂S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H₂S Drilling Operations Plan and the Public Protection Plan.

II. HYDROGEN SULFIDE TRAINING

Note: All H₂S safety equipment and systems will be installed, tested, and operational when drilling reaches a depth of 500 feet above, or three days prior to penetrating the first zone containing or reasonable expected to contain H₂S.

1. Well Control Equipment

- A. Flare line
- B. Choke manifold
- C. Blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit
- D. Auxiliary equipment may include if applicable: annular preventer and rotating head.

2. Protective equipment for essential personnel:

- A. 30-minute SCBA units located in the doghouse and at briefing areas, as indicated on well site diagram. As it may be difficult to communicate audibly while wearing these units, hand signals shall be utilized.

3. H₂S detection and monitoring equipment:

- A. Portable H₂S monitors positioned on location for best coverage and response. These units have warning lights and audible sirens when H₂S levels of 20 PPM are reached. These units are usually capable of detecting SO₂, which is a byproduct of burning H₂S.

4. Visual warning systems:

- A. Wind direction indicators as shown on well site diagram
- B. Caution/ Danger signs shall be posted on roads providing direct access to locations. Signs will be painted a high visibility yellow with black lettering of sufficient size to be reasonable distance from the immediate location. Bilingual signs will be used when appropriate..

5. Mud program:

- A. The mud program has been designed to minimize the volume of H₂S circulated to surface. Proper mud weight, safe drilling practices and the use of H₂S scavengers will minimize hazards when penetrating H₂S bearing zones.

6. Metallurgy:

- A. All drill strings, casings, tubing, wellhead, blowout preventer, drilling spool, kill lines, choke manifold lines, and valves shall be H₂S trim.
- B. All elastomers used for packing and seals shall be H₂S trim.

7. Communication:

- A. Radio communications in company vehicles including cellular telephones and 2-way radio
- B. Land line (telephone) communications at Office

8. Well testing:

- A. Drill stem testing will be performed with a minimum number of personnel in the immediate vicinity, which are necessary to safety and adequately conduct the test. The drill stem testing will be conducted during daylight hours and formation fluids will not be flowed to the surface. All drill-stem-testing operations conducted in an H₂S environment will use the closed chamber method of testing.
- B. There will be no drill stem testing.

Devon Energy Corp. Company Call List

<u>Artesia (575)</u>	<u>Cellular</u>	<u>Office</u>	<u>Home</u>
Foreman – Robert Bell	748-7448	748-0178	746-2991
Asst. Foreman –Tommy Polly.....	748-5290	748-0165	748-2846
Don Mayberry	748-5235	748-0164	746-4945
Montral Walker	390-5182	748-0193	936-414-6246
Engineer – Marcos Ortiz.....	(405) 317-0666.....	(405) 552-8152.....	(405) 381-4350

Agency Call List

Lea **Hobbs**

<u>County</u>	State Police	392-5588
<u>(575)</u>	City Police	397-9265
	Sheriff's Office	393-2515
	Ambulance.....	911
	Fire Department	397-9308
	LEPC (Local Emergency Planning Committee).....	393-2870
	NMOCD	393-6161
	US Bureau of Land Management	393-3612

Eddy **Carlsbad**

<u>County</u>	State Police	885-3137
<u>(575)</u>	City Police	885-2111
	Sheriff's Office	887-7551
	Ambulance.....	911
	Fire Department	885-2111
	LEPC (Local Emergency Planning Committee).....	887-3798
	US Bureau of Land Management	887-6544
	New Mexico Emergency Response Commission (Santa Fe) ...	(505)476-9600
	24 HR	(505) 827-9126
	National Emergency Response Center (Washington, DC) ..	(800) 424-8802

Emergency Services

	Boots & Coots IWC	1-800-256-9688 or (281) 931-8884
	Cudd Pressure Control.....	(915) 699-0139 or (915) 563-3356
	Halliburton	(575) 746-2757
	B. J. Services.....	(575) 746-3569
<i>Give</i>	Flight For Life - Lubbock, TX	(806) 743-9911
<i>GPS</i>	Aerocare - Lubbock, TX	(806) 747-8923
<i>position:</i>	Med Flight Air Amb - Albuquerque, NM	(575) 842-4433
	Lifeguard Air Med Svc. Albuquerque, NM	(575) 272-3115

Prepared in conjunction with
Wade Rohloff



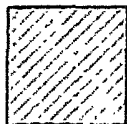
Prevailing Wind
Direction S. SW





Proposed Interim Site Reclamation

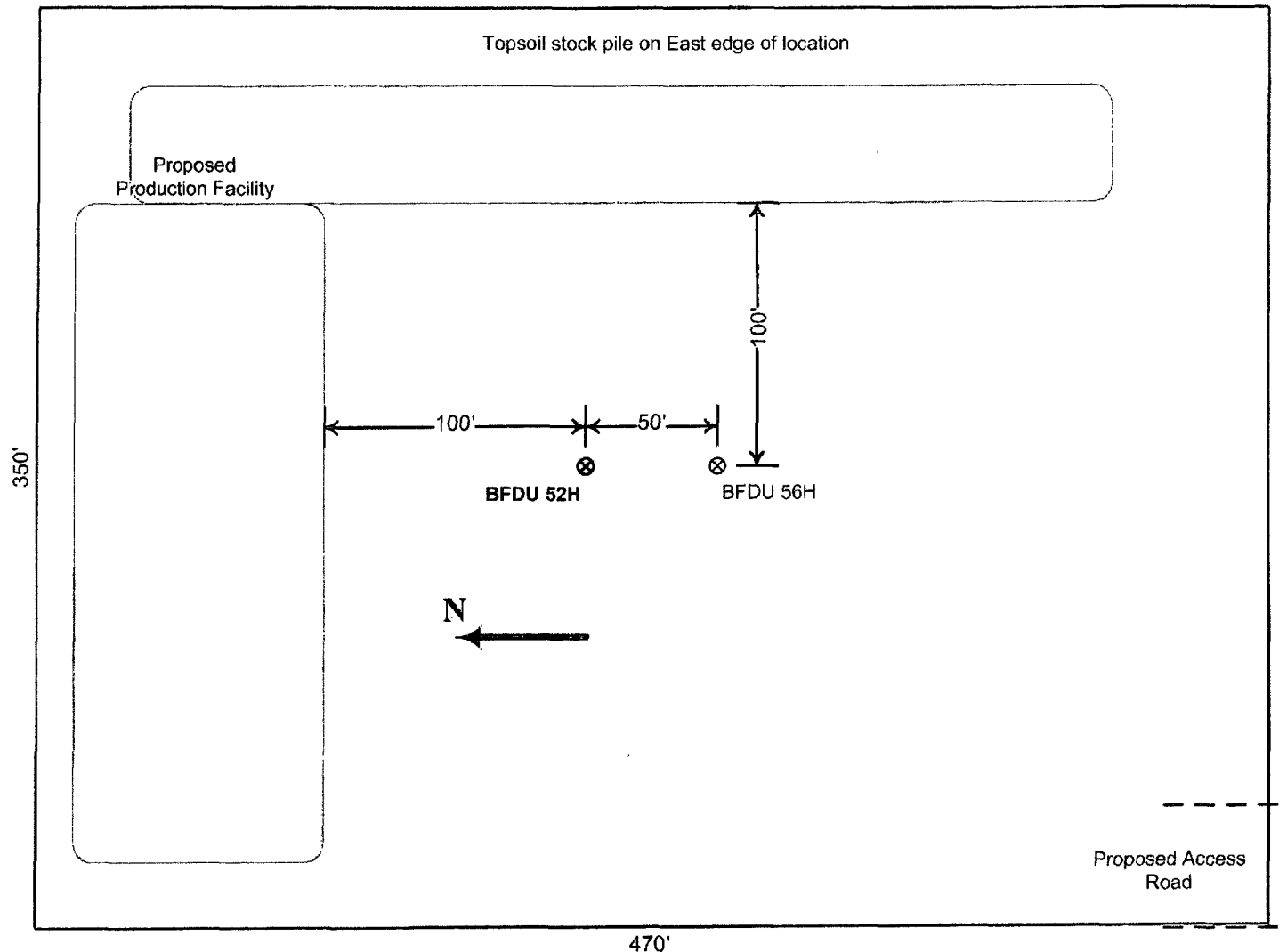
Devon Energy Production Co.
BFDU 52H
4000' FNL & 50' FEL
Sec. 3-T21S-R27E
Eddy County, NM



Proposed
Reclamation
Area



Scale: 1in = 60ft.



PECOS DISTRICT CONDITIONS OF APPROVAL

OPERATOR'S NAME:	Devon Energy Prod Co
LEASE NO.:	NM0560290
WELL NAME & NO.:	52H Burton Flat Deep Unit
SURFACE HOLE FOOTAGE:	4000' FNL & 50' FEL
BOTTOM HOLE FOOTAGE:	4240' FNL & 330' FEL
LOCATION:	Section 3, T.21 S., R.27 E., NMPM
COUNTY:	Eddy County, New Mexico

TABLE OF CONTENTS

Standard Conditions of Approval (COA) apply to this APD. If any deviations to these standards exist or special COAs are required, the section with the deviation or requirement will be checked below.

- ☐ **General Provisions**
- ☐ **Permit Expiration**
- ☐ **Archaeology, Paleontology, and Historical Sites**
- ☐ **Noxious Weeds**
- ☒ **Special Requirements**
 - Cave/Karst
 - Commercial well determination
- ☐ **Construction**
 - Notification
 - Topsoil
 - Closed Loop System
 - Federal Mineral Material Pits
 - Well Pads
 - Roads
- ☐ **Road Section Diagram**
- ☒ **Drilling**
 - High Cave/Karst
 - Logging Requirements
 - Mud logger / casing depth
 - Waste Material and Fluids
- ☐ **Production (Post Drilling)**
 - Well Structures & Facilities
 - Pipelines – not applied for within this APD
 - Electric Lines – not applied for within this APD
- ☐ **Interim Reclamation**
- ☐ **Final Abandonment & Reclamation**