

12-949

Form 3160-3
(August 2007)

OCD Artesia

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SEP 14 2012

NMOC D ARTESIA

FORM APPROVED
OMB No. 1004-0137
Expires July 31, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: ☒ DRILL ☐ REENTER		5. Lease Serial No. NM 0560290	
1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☐ Single Zone ☐ Multiple Zone		6. If Indian, Allottee or Tribe Name <i>TES 9/17/2012</i>	
2. Name of Operator Devon Energy Production, Company L. P.		7. If Unit or CA Agreement, Name and No. NM 70798X	
3a. Address 333 W. Sheridan Oklahoma City, OK 73102		8. Lease Name and Well No. Burton Flat Deep Unit 49H <i><3622097></i>	
3b. Phone No. (include area code) 405-235-3611		9. API Well No. <i>30-015-40707</i>	
4. Location of Well (Report location clearly and in accordance with any State requirements *) At surface 1875 FNL & 535 FEL, Sec 3 At proposed prod. zone 660 FNL & 330 FEL, Sec 2		10. Field and Pool, or Exploratory E. Avalon Bone Spring <i><3713></i>	
14. Distance in miles and direction from nearest town or post office* 5 miles north of Carlsbad, NM		11. Sec., T. R. M. or Blk. and Survey or Area SEC 3, T21S R27E	
15. Distance from proposed* location to nearest property or lease line, ft (Also to nearest drig. unit line, if any) 330'		12. County or Parish Eddy	
16. No. of acres in lease 314.62 ac		13. State NM	
17. Spacing Unit dedicated to this well 114.62			
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft See attached map		20. BLM/BIA Bond No. on file CO-1104; NMB 000801	
19. Proposed Depth 6709' TVD 11778' MD PH: 6852'			
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3217.7' GL		22. Approximate date work will start* 45 days	
23. Estimated duration			

24. Attachments To be pad drilled w/ Burton Flat Deep Unit 50H

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

- | | |
|--|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 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). | 6. Such other site specific information and/or plans as may be required by the BLM. |

25. Signature <i>Patti Riechers</i>	Name (Printed/Typed) Patti Riechers	Date 09/10/2012
Title Regulatory Specialist		
Approved by (Signature) /s/ Don Peterson	Name (Printed/Typed) /s/ Don Peterson	Date SEP 12 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 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.

(Continued on page 2)

*(Instructions on page 2)
Capitan Controlled Water Basin

Approval Subject to General Requirements
& Special Stipulations Attached

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

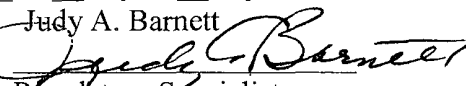
Certification

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 9th day of July, 2012.

Printed Name: Judy A. Barnett

Signed Name: 

Position Title: Regulatory Specialist

Address: 20 North Broadway, OKC OK 73102

Telephone: (405)-228-8699

Field Representative (if not above signatory):

Address (if different from above):

Telephone (if different from above):

District I
1625 N French Dr., Hobbs, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-0720
District II
811 S First St., Artesia, NM 88210
Phone: (505) 748-1283 Fax: (505) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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 August 1, 2011
Submit one copy to appropriate
District Office
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-40707	² Pool Code 3713	³ Pool Name E. AVALON BONE SPRING
⁴ Property Code 302209	⁵ Property Name BURTON FLAT DEEP UNIT	⁶ Well Number 49H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3217.7

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
8	3	21 S	27 E		1875	NORTH	535	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
1	2	21 S	27 E		660	NORTH	330	EAST	EDDY

¹² Dedicated Acres 114.62	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.

SEC. 33 S89°56'50"W 1746.51 FT. S89°52'37"W 1745.12 FT. S89°48'03"W 1739.00 FT. S89°52'27"W 1739.00 FT. N O CORNER SEC. 3 LAT. = 32°52'28.85"N LONG. = 104°17'29.27"W NMSP EAST (FT) N = 553918.09 E = 589451.88 LOT 3 LOT 4 LOT 5 LOT 6 LOT 7 LOT 8 LOT 9 LOT 10 LOT 11 LOT 12 LOT 13 LOT 14 LOT 15 LOT 16 BURTON FLAT DEEP UNIT #49H ELEV. = 3217.7' LAT. = 32°51'75.327"N (NAD83) SURFACE LOCATION LONG. = 104°17'05.262"W NMSP EAST (FT) N = 552047.44 E = 591520.26 SEC. 3 LOT 14 LOT 15 LOT 16 E O CORNER SEC. 3 LAT. = 32°50'21.63"N LONG. = 104°16'89.025"W NMSP EAST (FT) N = 549031.63 E = 592025.38 S O CORNER SEC. 3 LAT. = 32°50'19.674"N LONG. = 104°17'76.174"W NMSP EAST (FT) N = 546381.54 E = 589342.77 SEC. 34 S89°56'17"W 2640.44 FT. S89°48'03"W 1739.00 FT. S89°52'27"W 1739.00 FT. N O CORNER SEC. 34 LAT. = 32°52'28.85"N LONG. = 104°17'29.27"W NMSP EAST (FT) N = 553918.09 E = 589451.88 LOT 1 LOT 2 LOT 3 LOT 4 LOT 5 LOT 6 LOT 7 LOT 8 LOT 9 LOT 10 LOT 11 LOT 12 LOT 13 LOT 14 LOT 15 LOT 16 BOTTOM OF HOLE LAT. = 32°52'08.700"N LONG. = 104°15'26.618"W NMSP EAST (FT) N = 553270.40 E = 597024.64 SEC. 2 LOT 1 LOT 2 LOT 3 LOT 4 LOT 5 LOT 6 LOT 7 LOT 8 LOT 9 LOT 10 LOT 11 LOT 12 LOT 13 LOT 14 LOT 15 LOT 16 E O CORNER SEC. 2 LAT. = 32°50'27.83"N LONG. = 104°15'16.872"W NMSP EAST (FT) N = 549053.87 E = 597332.21 S O CORNER SEC. 2 LAT. = 32°50'23.48"N LONG. = 104°16'36.955"W NMSP EAST (FT) N = 546414.26 E = 594660.06 SEC. 2 LOT 1 LOT 2 LOT 3 LOT 4 LOT 5 LOT 6 LOT 7 LOT 8 LOT 9 LOT 10 LOT 11 LOT 12 LOT 13 LOT 14 LOT 15 LOT 16 E O CORNER SEC. 2 LAT. = 32°50'25.32"N LONG. = 104°15'17.459"W NMSP EAST (FT) N = 546425.39 E = 597318.60 S O CORNER SEC. 2 LAT. = 32°50'19.674"N LONG. = 104°17'76.174"W NMSP EAST (FT) N = 546381.54 E = 589342.77 SEC. 2 LOT 1 LOT 2 LOT 3 LOT 4 LOT 5 LOT 6 LOT 7 LOT 8 LOT 9 LOT 10 LOT 11 LOT 12 LOT 13 LOT 14 LOT 15 LOT 16 E O CORNER SEC. 2 LAT. = 32°50'21.63"N LONG. = 104°16'89.025"W NMSP EAST (FT) N = 549031.63 E = 592025.38 S O CORNER SEC. 2 LAT. = 32°50'19.674"N LONG. = 104°17'76.174"W NMSP EAST (FT) N = 546381.54 E = 589342.77		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 unleased 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. Signature: <i>Judy A. Barnett</i> Date: 8/17/12 Printed Name: Judy A. Barnett Sr Regulatory Specialist E-mail Address: 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. AUGUST 22 2012 Date of Survey: Signature and Seal of Professional Surveyor: <i>Frank Jaramillo</i> Certificate Number: 1711 JARON F JARAMILLO, PLS 12797 SURVEY NO 1051A	
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DRILLING PROGRAM

Devon Energy Production Company, LP

Burton Flat Deep Unit 49H

Surface Location: 1825' FNL & 185' FEL, Lot 8, Sec 3 T21S R27E, Eddy, NM

Bottom Hole Location: 660' FNL & 330' FEL, Lot 1, 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. Rustler	17'	Water
b. Salado	272'	
c. Base Salado	600'	
d. Tansil	680'	
e. Yates	815'	
f. Seven Rivers	965'	
g. Capitan	1075'	
h. Capitan Base	2465'	
i. Delaware	2717'	Oil
j. Bone Spring Lm	5249'	Oil
k. 1 st Bone Spring Ss	6452'	Oil
l. 2 nd Bone Spring Lime	6702'	Oil
Total Depth	11,699'	

11779

P.H. 6852'

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 850' and circulating cement back to surface. Fresh water sands will be protected by setting 9 5/8" casing at 2750' and circulating cement to surface. The Bone Spring 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.

Casing Program: (all cement volumes based on at least 25% excess)

<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"	200-850'	13 3/8"	0-850'	48#	ST&C	H-40
12 1/4"	850-2750'	9 5/8"	0-2750'	40#	LT&C	J-55
8 3/4"	2750-6000'	5 1/2"	0-6000'	17#	LT&C	HCP110
8 3/4"	6000-11699'	5 1/2"	6000-11,699'	17#	BT&C	HCP110

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An 8-3/4"PH will be drilled to 6,852' and plugged back to KOP w/~ 300sx CI H, 15.6 ppg. Yld 1.18 cf/sx.

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	7.46
13 3/8"	1.74	3.91	7.89
9 5/8"	1.56	2.73	4.57
5 1/2"	2.66	3.79	2.23
5 1/2"	2.38	3.39	5.86

The maximum possible collapse load that the intermediate casing will experience will result from evacuated casing with the pore pressure exerting a collapse load at TD. There is no potential for the intermediate casing to be used as a production string.

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

- a. 20" Surface **Lead** w/ 510 Cl d + 2% bwoc Calcium Chloride + 0.125#/sx CF + 56.3% FW, 14.8 ppg. **Yld** 1.35 cf/sx. **TOC @** surface.
- b. 13 3/8" Intermediate **Lead** w/ 415 sx Cl C + 2% bwoc Calcium Chloride + 0.125#/sx CF + 4% bwoc Bentonite + 81.4% FW, 13.5 ppg. **Yld** 1.75 cf/sx. **TOC @** surface. **Tail** w/ 335 sx Cl C + 2% bwoc Calcium Chloride + 0.125#/sx CF + 56.3% FW, 14.8 ppg. **Yld** 1.35 cf/sx.
- c. 9 5/8" Intermediate **Lead** w/ 700 sx 60:40 POZ (Fly Ash) Cl C + 5% bwow Sodium Chloride + 0.125#/sx CF + 3#/sx LCM-1 + 1% bwoc Sodium Metasilicate + 89.7% FW, 12.6 ppg. **Yld** 1.73 cf/sx. **Tail** w/ 300 sx 60:40 POZ (Fly Ash) Cl C + 5% bwow Sodium Chloride + 0.125#/sx CF + 0.4% bwoc Sodium Metasilicate + 4% bwoc MPA-5 + 65.5% FW, 13.8 ppg. **Yld** 1.38 cf/sx. **TOC @** surface.

5 1/2" Production

1st Lead w/ 615 sx 50:50 POZ Fly Ash Cl H + 0.5% bwoc FL-52 + 0.15% bwoc ASA-301 + 10% bwoc Bentonite + 0.3% bwoc R-21 + 130.5% FW 11.8 ppg. **Yld:** 2.30 cf/sx. **TOC @** 750'.

2nd Lead w/ 415 sx 35:65 POZ (Fly Ash) Cl H + 3% bwow Sodium Chloride + 0.125#/sx CF + 0.7% bwoc FL-52 + 6% bwoc Bentonite + 105.4% FW, 12.5 ppg. **Yld:** 2.00 cf/sx.

Tail w/ 1430 sx 50:50 POZ Fly Ash Cl H + 5% bwow Sodium Chloride + 0.3% bwoc CD-32 + 0.5% bwoc FL-25 + 0.5% bwoc Sodium Metasilicate + 57.3% FW, 14.2 ppg, **Yld** 1.28 cf/sx.

The above cement volumes could be revised pending the caliper measurement from the open hole logs. The top of cement is designed to reach approximately 500' above the 9 5/8" casing shoe. (All casing is new and API approved.)

see COA

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

Proposed Mud Circulation System

<u>Depth</u>	<u>Mud Wt.</u>	<u>Visc</u>	<u>Fluid Loss</u>	<u>Type System</u>
0-200' <i>see COA</i>	8.4-9.0	30-34	NC	FW
200-850'	9.8-10.0	28-32	NC	Brine
850-2750'	8.4-9.0	28-32	NC	FW
2750-11,699'	8.6-9.0	28-32	NC/12	FW

11,779

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

4. 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.

5. 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.

- c. The open hole electrical logging program will be:
 - 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.

6. 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 110°. No H₂S is anticipated to be encountered.

7. 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 Corporation

Eddy County, NM (NAD 83)

Burton Flat Deep Unit

Burton Flat Deep Unit 49H

Wellbore #1

Plan: Plan #3

Sperry Drilling Services Proposal Report

30 August, 2012

Well Coordinates 552,047.44 N, 591,520.26 E (32° 31' 03.12" N, 104° 10' 13.89" W)
Ground Level: 3,217.70 ft

Local Coordinate Origin:	Centered on Well Burton Flat Deep Unit 49H
Viewing Datum:	GL 3242.7'± 25'KB @ 3242.70ft (TBD)
TVDs to System:	N
North Reference:	Grid
Unit System	API - US Survey Feet

Version: 2003.16 Build: 431

HALLIBURTON

Devon Energy Corporation

HALLIBURTON | Sperry Drilling



Project: Eddy County, NM (NAD 83)
Site: Burton Flat Deep Unit
Well: Burton Flat Deep Unit 49H
Wellbore: Wellbore #1
Plan: Plan #3
Rig: TBD

SURFACE LOCATION

US State Plane 1983
New Mexico Eastern Zone
Elevation: GL 3242.7' + 25'KB @ 3242.70ft (TBD)
Northing: 552047.44 Easting: 591520.26 32° 31' 3.118 N 104° 10' 13.894 W

SECTION DETAILS

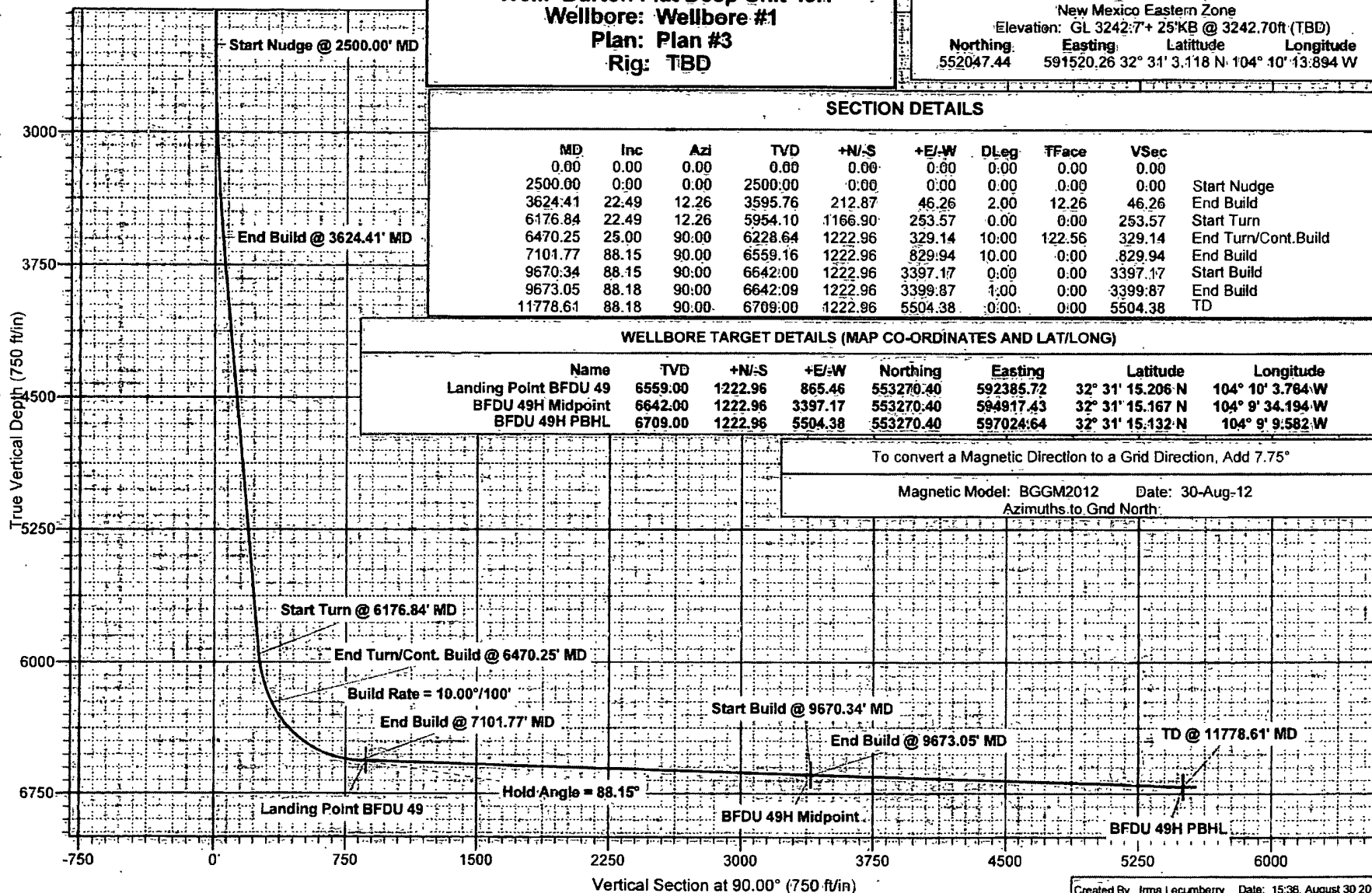
MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	0.00	Start Nudge
3624.41	22.49	12.26	3595.76	212.87	46.26	2.00	12.26	46.26	End Build
6176.84	22.49	12.26	5954.10	1166.90	253.57	0.00	0.00	253.57	Start Turn
6470.25	25.00	90.00	6228.64	1222.96	329.14	10.00	122.56	329.14	End Turn/Cont. Build
7101.77	88.15	90.00	6559.16	1222.96	829.94	10.00	0.00	829.94	End Build
9670.34	88.15	90.00	6642.00	1222.96	3397.17	0.00	0.00	3397.17	Start Build
9673.05	88.18	90.00	6642.09	1222.96	3399.87	1.00	0.00	3399.87	End Build
11778.61	88.18	90.00	6709.00	1222.96	5504.38	0.00	0.00	5504.38	TD

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

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Landing Point BFDU 49	6559.00	1222.96	865.46	553270.40	592385.72	32° 31' 15.206 N	104° 10' 3.784 W
BFDU 49H Midpoint	6642.00	1222.96	3397.17	553270.40	594917.43	32° 31' 15.167 N	104° 9' 34.194 W
BFDU 49H PBHL	6709.00	1222.96	5504.38	553270.40	597024.64	32° 31' 15.132 N	104° 9' 9.582 W

To convert a Magnetic Direction to a Grid Direction, Add 7.75°

Magnetic Model: BGGM2012 Date: 30-Aug-12
Azimuths to Gnd North:





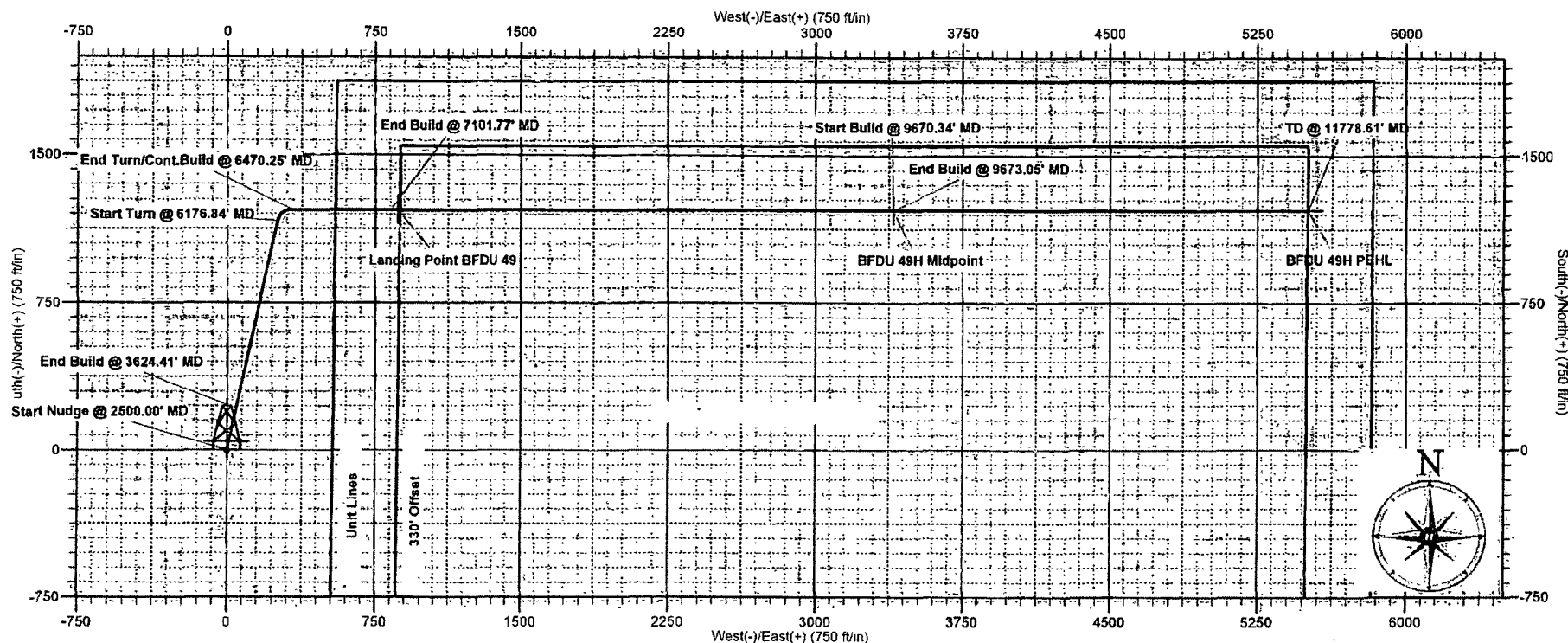
Project: Eddy County, NM (NAD 83)
 Site: Burton Flat Deep Unit
 Well: Burton Flat Deep Unit 49H
 Wellbore: Wellbore #1
 Plan: Plan #3
 Rig: TBD

SURFACE LOCATION

US State Plane 1983
 New Mexico Eastern Zone
 Elevation: GL 3242.7' ± 25' KB @ 3242.70 ft (TBD)
 Northing: 552047.44 Easting: 581520.26 Latitude: 32° 31' 3.118" N Longitude: 104° 10' 13.894" W

To convert a Magnetic Direction to a Grid Direction, Add 7.75°

Magnetic Model: BGGM2012 Date: 30-Aug-12
 Azimuths to Grid-North



Plan Report for Burton Flat Deep Unit 49H - Plan #3

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
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Nudge @ 2500.00' MD										
2,600.00	2.00	12.26	2,599.98	1.71	0.37	0.37	2.00	2.00	0.00	12.26
2,700.00	4.00	12.26	2,699.84	6.82	1.48	1.48	2.00	2.00	0.00	0.00
2,800.00	6.00	12.26	2,799.45	15.34	3.33	3.33	2.00	2.00	0.00	0.00
2,900.00	8.00	12.26	2,898.70	27.24	5.92	5.92	2.00	2.00	0.00	0.00
3,000.00	10.00	12.26	2,997.47	42.53	9.24	9.24	2.00	2.00	0.00	0.00
3,100.00	12.00	12.26	3,095.62	61.17	13.29	13.29	2.00	2.00	0.00	0.00
3,200.00	14.00	12.26	3,193.06	83.16	18.07	18.07	2.00	2.00	0.00	0.00
3,300.00	16.00	12.26	3,289.84	108.45	23.57	23.57	2.00	2.00	0.00	0.00
3,400.00	18.00	12.26	3,385.27	137.02	29.77	29.77	2.00	2.00	0.00	0.00
3,500.00	20.00	12.26	3,479.82	168.83	36.69	36.69	2.00	2.00	0.00	0.00
3,600.00	22.00	12.26	3,573.17	203.85	44.30	44.30	2.00	2.00	0.00	0.00
3,624.41	22.49	12.26	3,595.76	212.87	46.26	46.26	2.00	2.00	0.00	0.00
End Build @ 3624.41' MD										
3,700.00	22.49	12.26	3,665.80	241.13	52.40	52.40	0.00	0.00	0.00	0.00
3,800.00	22.49	12.26	3,758.00	278.51	60.52	60.52	0.00	0.00	0.00	0.00
3,900.00	22.49	12.26	3,850.40	315.88	68.64	68.64	0.00	0.00	0.00	0.00
4,000.00	22.49	12.26	3,942.79	353.26	76.76	76.76	0.00	0.00	0.00	0.00
4,100.00	22.49	12.26	4,035.19	390.64	84.89	84.89	0.00	0.00	0.00	0.00
4,200.00	22.49	12.26	4,127.58	428.01	93.01	93.01	0.00	0.00	0.00	0.00
4,300.00	22.49	12.26	4,219.98	465.39	101.13	101.13	0.00	0.00	0.00	0.00
4,400.00	22.49	12.26	4,312.38	502.77	109.25	109.25	0.00	0.00	0.00	0.00
4,500.00	22.49	12.26	4,404.77	540.14	117.37	117.37	0.00	0.00	0.00	0.00
4,600.00	22.49	12.26	4,497.17	577.52	125.50	125.50	0.00	0.00	0.00	0.00
4,700.00	22.49	12.26	4,589.58	614.90	133.62	133.62	0.00	0.00	0.00	0.00
4,800.00	22.49	12.26	4,681.96	652.27	141.74	141.74	0.00	0.00	0.00	0.00
4,900.00	22.49	12.26	4,774.35	689.65	149.86	149.86	0.00	0.00	0.00	0.00
5,000.00	22.49	12.26	4,866.75	727.03	157.98	157.98	0.00	0.00	0.00	0.00
5,100.00	22.49	12.26	4,959.15	764.41	166.11	166.11	0.00	0.00	0.00	0.00
5,200.00	22.49	12.26	5,051.54	801.78	174.23	174.23	0.00	0.00	0.00	0.00
5,300.00	22.49	12.26	5,143.94	839.16	182.35	182.35	0.00	0.00	0.00	0.00
5,400.00	22.49	12.26	5,236.33	876.54	190.47	190.47	0.00	0.00	0.00	0.00
5,500.00	22.49	12.26	5,328.73	913.91	198.59	198.59	0.00	0.00	0.00	0.00
5,600.00	22.49	12.26	5,421.13	951.29	206.72	206.72	0.00	0.00	0.00	0.00
5,700.00	22.49	12.26	5,513.52	988.67	214.84	214.84	0.00	0.00	0.00	0.00
5,800.00	22.49	12.26	5,605.92	1,026.04	222.96	222.96	0.00	0.00	0.00	0.00
5,900.00	22.49	12.26	5,698.31	1,063.42	231.08	231.08	0.00	0.00	0.00	0.00
6,000.00	22.49	12.26	5,790.71	1,100.80	239.20	239.20	0.00	0.00	0.00	0.00
6,100.00	22.49	12.26	5,883.11	1,138.17	247.33	247.33	0.00	0.00	0.00	0.00
6,176.84	22.49	12.26	5,954.10	1,166.90	253.57	253.57	0.00	0.00	0.00	0.00
Start Turn @ 6176.84' MD										
6,200.00	21.33	17.63	5,975.59	1,175.24	255.78	255.78	10.00	-5.02	23.20	122.56
6,300.00	18.81	46.15	6,069.74	1,203.81	272.96	272.96	10.00	-2.52	28.52	117.58
6,400.00	21.10	74.98	6,163.95	1,219.68	302.05	302.05	10.00	2.30	28.83	90.72
6,470.25	25.00	90.00	6,228.64	1,222.96	329.14	329.14	10.00	5.55	21.38	63.55
Build Rate = 10.00°/100' - End Turn/Cont Build @ 6470.25' MD										
6,500.00	27.97	90.00	6,255.28	1,222.96	342.41	342.41	10.00	10.00	0.00	0.00
6,600.00	37.97	90.00	6,339.05	1,222.96	396.76	396.76	10.00	10.00	0.00	0.00
6,700.00	47.97	90.00	6,412.12	1,222.96	464.84	464.84	10.00	10.00	0.00	0.00
6,800.00	57.97	90.00	6,472.28	1,222.96	544.58	544.58	10.00	10.00	0.00	0.00
6,900.00	67.97	90.00	6,517.64	1,222.96	633.55	633.55	10.00	10.00	0.00	0.00
7,000.00	77.97	90.00	6,546.88	1,222.96	729.04	729.04	10.00	10.00	0.00	0.00
7,100.00	87.97	90.00	6,559.10	1,222.96	828.17	828.17	10.00	10.00	0.00	0.00
7,101.77	88.15	90.00	6,559.16	1,222.96	829.94	829.94	10.00	10.00	0.00	0.00
End Build @ 7101.77' MD - Hold Angle = 88.15°										
7,200.00	88.15	90.00	6,562.33	1,222.96	928.12	928.12	0.00	0.00	0.00	0.00

Plan Report for Burton Flat Deep Unit 49H - Plan #3

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 (°)
7,300.00	88.15	90.00	6,565.55	1,222.96	1,028.06	1,028.06	0.00	0.00	0.00	0.00
7,400.00	88.15	90.00	6,568.78	1,222.96	1,128.01	1,128.01	0.00	0.00	0.00	0.00
7,500.00	88.15	90.00	6,572.00	1,222.96	1,227.96	1,227.96	0.00	0.00	0.00	0.00
7,600.00	88.15	90.00	6,575.23	1,222.96	1,327.91	1,327.91	0.00	0.00	0.00	0.00
7,700.00	88.15	90.00	6,578.45	1,222.96	1,427.86	1,427.86	0.00	0.00	0.00	0.00
7,800.00	88.15	90.00	6,581.68	1,222.96	1,527.80	1,527.80	0.00	0.00	0.00	0.00
7,900.00	88.15	90.00	6,584.90	1,222.96	1,627.75	1,627.75	0.00	0.00	0.00	0.00
8,000.00	88.15	90.00	6,588.13	1,222.96	1,727.70	1,727.70	0.00	0.00	0.00	0.00
8,100.00	88.15	90.00	6,591.35	1,222.96	1,827.65	1,827.65	0.00	0.00	0.00	0.00
8,200.00	88.15	90.00	6,594.58	1,222.96	1,927.59	1,927.59	0.00	0.00	0.00	0.00
8,300.00	88.15	90.00	6,597.80	1,222.96	2,027.54	2,027.54	0.00	0.00	0.00	0.00
8,400.00	88.15	90.00	6,601.03	1,222.96	2,127.49	2,127.49	0.00	0.00	0.00	0.00
8,500.00	88.15	90.00	6,604.25	1,222.96	2,227.44	2,227.44	0.00	0.00	0.00	0.00
8,600.00	88.15	90.00	6,607.48	1,222.96	2,327.39	2,327.39	0.00	0.00	0.00	0.00
8,700.00	88.15	90.00	6,610.71	1,222.96	2,427.33	2,427.33	0.00	0.00	0.00	0.00
8,800.00	88.15	90.00	6,613.93	1,222.96	2,527.28	2,527.28	0.00	0.00	0.00	0.00
8,900.00	88.15	90.00	6,617.16	1,222.96	2,627.23	2,627.23	0.00	0.00	0.00	0.00
9,000.00	88.15	90.00	6,620.38	1,222.96	2,727.18	2,727.18	0.00	0.00	0.00	0.00
9,100.00	88.15	90.00	6,623.61	1,222.96	2,827.13	2,827.13	0.00	0.00	0.00	0.00
9,200.00	88.15	90.00	6,626.83	1,222.96	2,927.07	2,927.07	0.00	0.00	0.00	0.00
9,300.00	88.15	90.00	6,630.06	1,222.96	3,027.02	3,027.02	0.00	0.00	0.00	0.00
9,400.00	88.15	90.00	6,633.28	1,222.96	3,126.97	3,126.97	0.00	0.00	0.00	0.00
9,500.00	88.15	90.00	6,636.51	1,222.96	3,226.92	3,226.92	0.00	0.00	0.00	0.00
9,600.00	88.15	90.00	6,639.73	1,222.96	3,326.87	3,326.87	0.00	0.00	0.00	0.00
9,670.34	88.15	90.00	6,642.00	1,222.96	3,397.17	3,397.17	0.00	0.00	0.00	0.00
Start Build @ 9670.34' MD										
9,673.05	88.18	90.00	6,642.09	1,222.96	3,399.88	3,399.88	1.00	1.00	0.00	0.00
End Build @ 9673.05' MD										
9,700.00	88.18	90.00	6,642.94	1,222.96	3,426.82	3,426.82	0.00	0.00	0.00	0.00
9,800.00	88.18	90.00	6,646.12	1,222.96	3,526.76	3,526.76	0.00	0.00	0.00	0.00
9,900.00	88.18	90.00	6,649.30	1,222.96	3,626.71	3,626.71	0.00	0.00	0.00	0.00
10,000.00	88.18	90.00	6,652.48	1,222.96	3,726.66	3,726.66	0.00	0.00	0.00	0.00
10,100.00	88.18	90.00	6,655.65	1,222.96	3,826.61	3,826.61	0.00	0.00	0.00	0.00
10,200.00	88.18	90.00	6,658.83	1,222.96	3,926.56	3,926.56	0.00	0.00	0.00	0.00
10,300.00	88.18	90.00	6,662.01	1,222.96	4,026.51	4,026.51	0.00	0.00	0.00	0.00
10,400.00	88.18	90.00	6,665.19	1,222.96	4,126.46	4,126.46	0.00	0.00	0.00	0.00
10,500.00	88.18	90.00	6,668.37	1,222.96	4,226.41	4,226.41	0.00	0.00	0.00	0.00
10,600.00	88.18	90.00	6,671.54	1,222.96	4,326.36	4,326.36	0.00	0.00	0.00	0.00
10,700.00	88.18	90.00	6,674.72	1,222.96	4,426.31	4,426.31	0.00	0.00	0.00	0.00
10,800.00	88.18	90.00	6,677.90	1,222.96	4,526.26	4,526.26	0.00	0.00	0.00	0.00
10,900.00	88.18	90.00	6,681.08	1,222.96	4,626.21	4,626.21	0.00	0.00	0.00	0.00
11,000.00	88.18	90.00	6,684.26	1,222.96	4,726.16	4,726.16	0.00	0.00	0.00	0.00
11,100.00	88.18	90.00	6,687.43	1,222.96	4,826.11	4,826.11	0.00	0.00	0.00	0.00
11,200.00	88.18	90.00	6,690.61	1,222.96	4,926.06	4,926.06	0.00	0.00	0.00	0.00
11,300.00	88.18	90.00	6,693.79	1,222.96	5,026.01	5,026.01	0.00	0.00	0.00	0.00
11,400.00	88.18	90.00	6,696.97	1,222.96	5,125.96	5,125.96	0.00	0.00	0.00	0.00
11,500.00	88.18	90.00	6,700.15	1,222.96	5,225.91	5,225.91	0.00	0.00	0.00	0.00
11,600.00	88.18	90.00	6,703.32	1,222.96	5,325.86	5,325.86	0.00	0.00	0.00	0.00
11,700.00	88.18	90.00	6,706.50	1,222.96	5,425.80	5,425.80	0.00	0.00	0.00	0.00
11,778.61	88.18	90.00	6,709.00	1,222.96	5,504.38	5,504.38	0.00	0.00	0.00	0.00
TD @ 11778.61' MD										

Plan Report for Burton Flat Deep Unit 49H - Plan #3

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
2,500.00	2,500.00	0.00	0.00	Start Nudge @ 2500.00' MD
3,624.41	3,595.76	212.87	46.26	End Build @ 3624.41' MD
6,176.84	5,954.10	1,166.90	253.57	Start Turn @ 6176.84' MD
6,470.25	6,228.64	1,222.96	329.14	Build Rate = 10.00°/100'
6,470.25	6,228.64	1,222.96	329.14	End Turn/Cont.Build @ 6470.25' MD
7,101.77	6,559.16	1,222.96	829.94	End Build @ 7101.77' MD
7,101.77	6,559.16	1,222.96	829.94	Hold Angle = 88.15°
9,670.34	6,642.00	1,222.96	3,397.17	Start Build @ 9670.34' MD
9,673.05	6,642.09	1,222.96	3,399.88	End Build @ 9673.05' MD
11,778.61	6,709.00	1,222.96	5,504.38	TD @ 11778.61' MD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/-S (ft)	Origin +E/-W (ft)	Start TVD (ft)
User	No Target (Freehand)	90.00	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
0.00	11,778.61	Plan #3	MWD

Targets associated with this wellbore

Target Name	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Shape
BFDU 49H Midpoint	6,642.00	1,222.96	3,397.17	Point
BFDU 49H PBHL	6,709.00	1,222.96	5,504.38	Point
Landing Point BFDU 49	6,559.00	1,222.96	865.46	Point

North Reference Sheet for Burton Flat Deep Unit - Burton Flat Deep Unit 49H - 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 3242.7' + 25'KB @ 3242 70ft (TBD). Northing and Easting are relative to Burton Flat Deep Unit 49H

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: 0.99991197

Grid Coordinates of Well: 552,047 44 ft N, 591,520 26 ft E

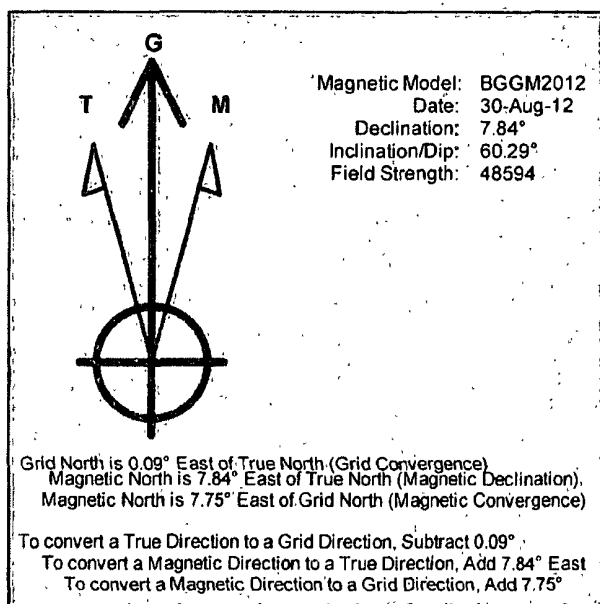
Geographical Coordinates of Well 32° 31' 03 12" N, 104° 10' 13.89" W

Grid Convergence at Surface is 0 09°

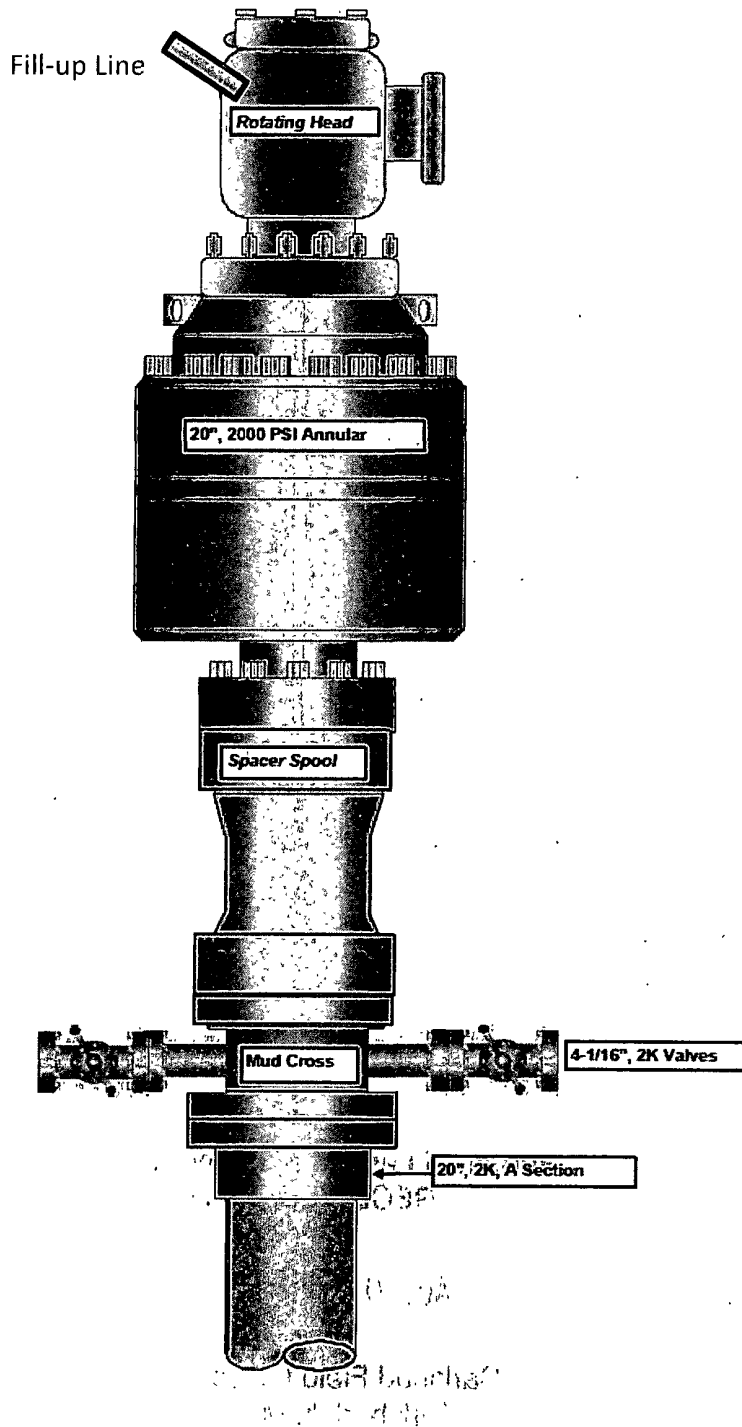
Based upon Minimum Curvature type calculations, at a Measured Depth of 11,778.61ft

the Bottom Hole Displacement is 5,638 60ft in the Direction of 77.47° (Grid).

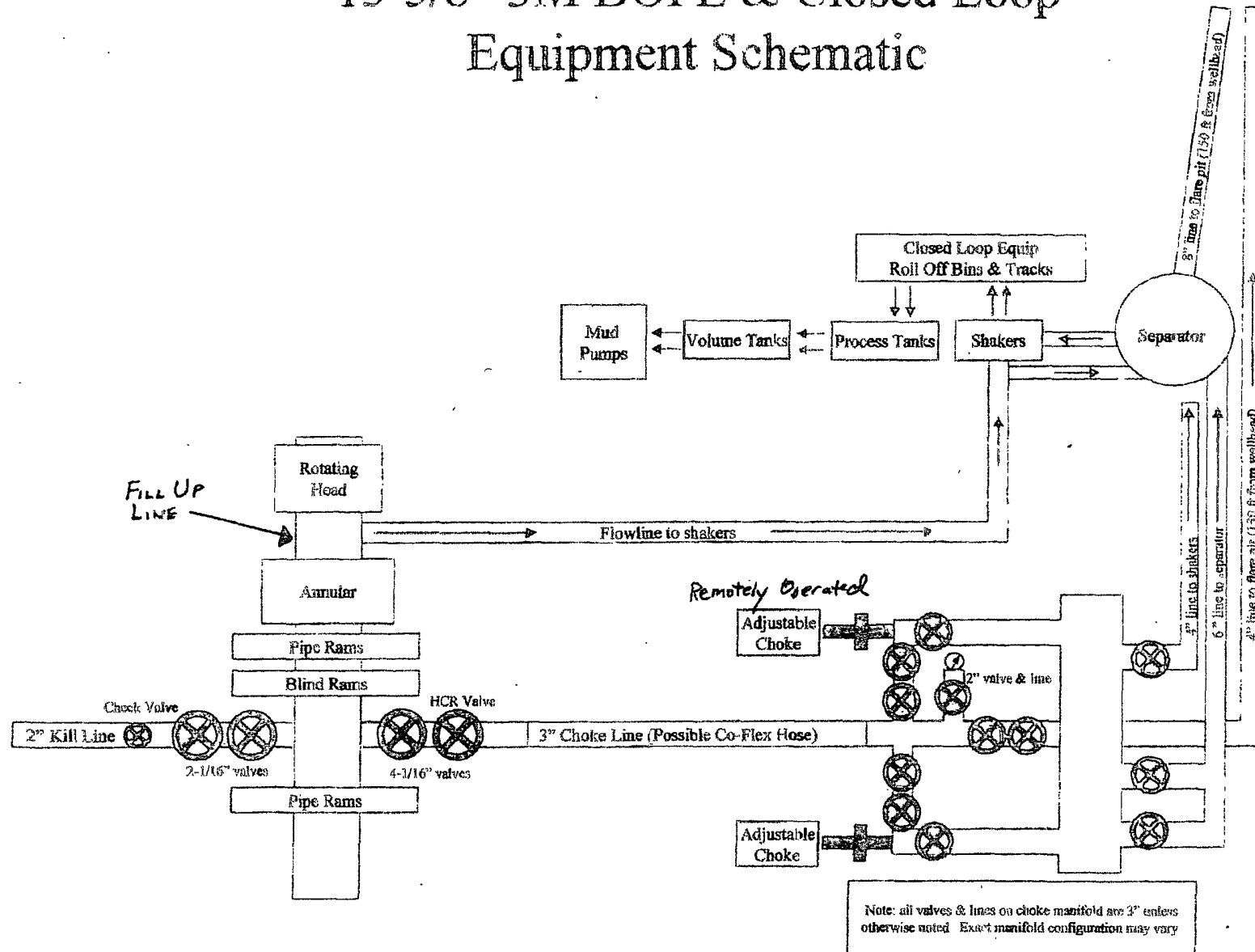
Magnetic Convergence at surface is -7 75° (30 August 2012, , BGGM2012)



20" 2K Annular



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





QUALITY DOCUMENT

PHOENIX RUBBER
INDUSTRIAL LTD.H-6728 Szeged, Budapest út 10. Hungary • H-6701 Szeged, P. O. Box 152
Phone (3662) 566-737 • Fax (3662) 566-738SALES & MARKETING H-1092 Budapest, Ráday u. 42-44. Hungary • H-1440 Budapest, P. O. Box 25
Phone: (361) 456-4200 • Fax: (361) 217-2972, 456-4273 • www.taurusermerge.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:	Inspector		Quality Control		
20. June. 2002.			PHOENIX RUBBER Industrial Ltd. Hose Inspection and Certification Dept. <i>Sevan</i>		

VERIFIED TRUE COPY
PHOENIX RUBBER O.C.

[illegible]

PHOENIX RUBBER
Industrial Ltd.
Hose Inspection and
Certification Dept.

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PHOENIX RUBBER Q.C.

NOTES REGARDING BLOWOUT PREVENTERS

Devon Energy Production Company, LP

Burton Flat Deep Unit 49H

Surface Location: 1825' FNL & 185' FEL, Lot 8, Sec 3 T21S R27E, Eddy, NM

Bottom Hole Location: 660' FNL & 330' FEL, Lot 1, 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.



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

Hydrogen Sulfide (H₂S) Contingency Plan

For

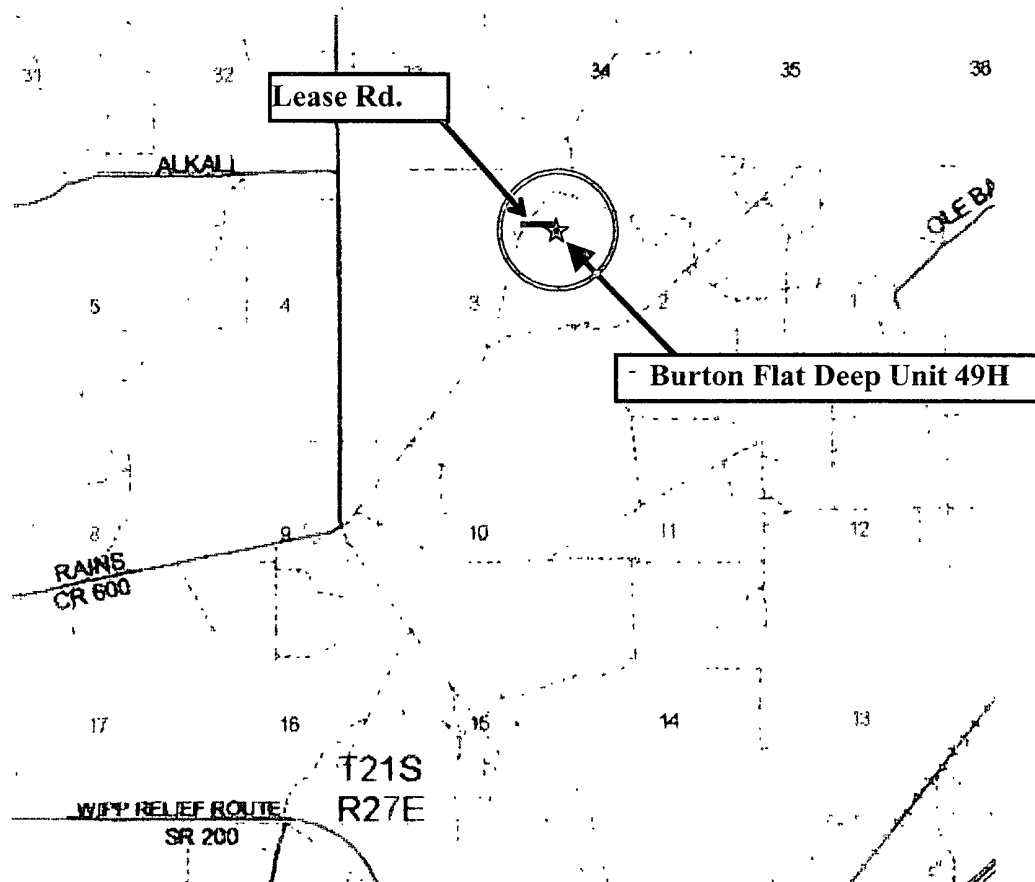
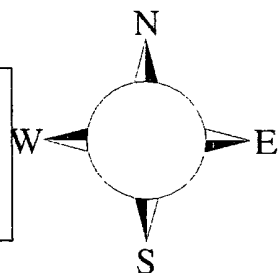
Burton Flat Deep Unit 49H

**Sec-3, T-21S R-27E
1825' FNL & 185' FEL,
LAT. = 32.5176710°N (NAD83)
LONG = 104.1693890°W**

Eddy County NM

Burton Flat Deep Unit 49H

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, West 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

<u>Lea</u>	<u>Hobbs</u>
<u>County</u>	State Police
<u>(575)</u>	City Police
	Sheriff's Office
	Ambulance.....
	Fire Department
	LEPC (Local Emergency Planning Committee).....
	NMOCD
	US Bureau of Land Management

<u>Eddy</u>	<u>Carlsbad</u>
<u>County</u>	State Police
<u>(575)</u>	City Police
	Sheriff's Office
	Ambulance.....
	Fire Department
	LEPC (Local Emergency Planning Committee).....
	US Bureau of Land Management
	New Mexico Emergency Response Commission (Santa Fe) ...
	24 HR
	National Emergency Response Center (Washington, DC) ..

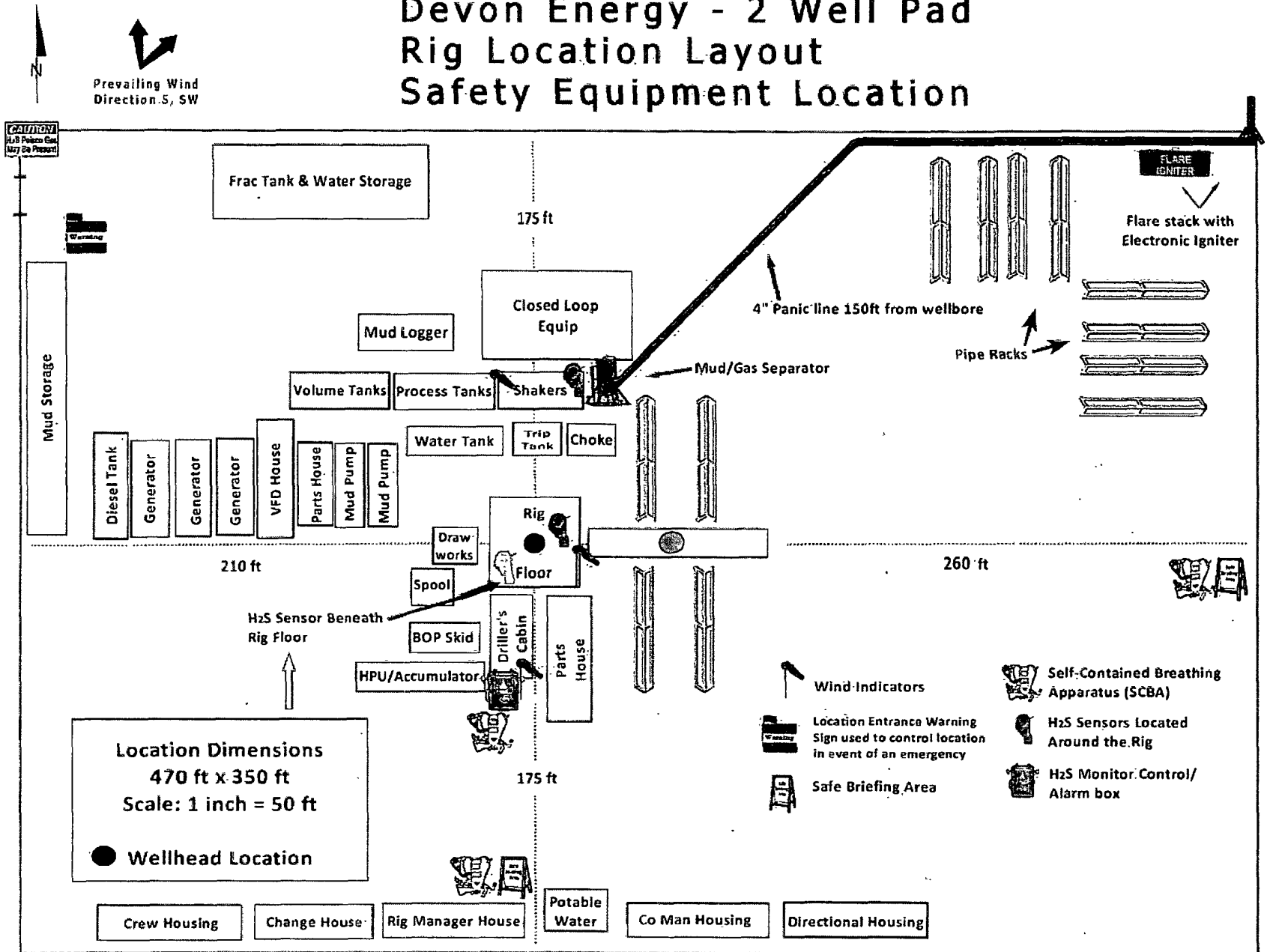
Emergency Services

	Boots & Coots IWC
	Cudd Pressure Control.....
	Halliburton
	B. J. Services.....
<i>Give</i>	Flight For Life - Lubbock, TX
<i>GPS</i>	Aerocare - Lubbock, TX
<i>position:</i>	Med Flight Air Amb - Albuquerque, NM
	Lifeguard Air Med Svc. Albuquerque, NM

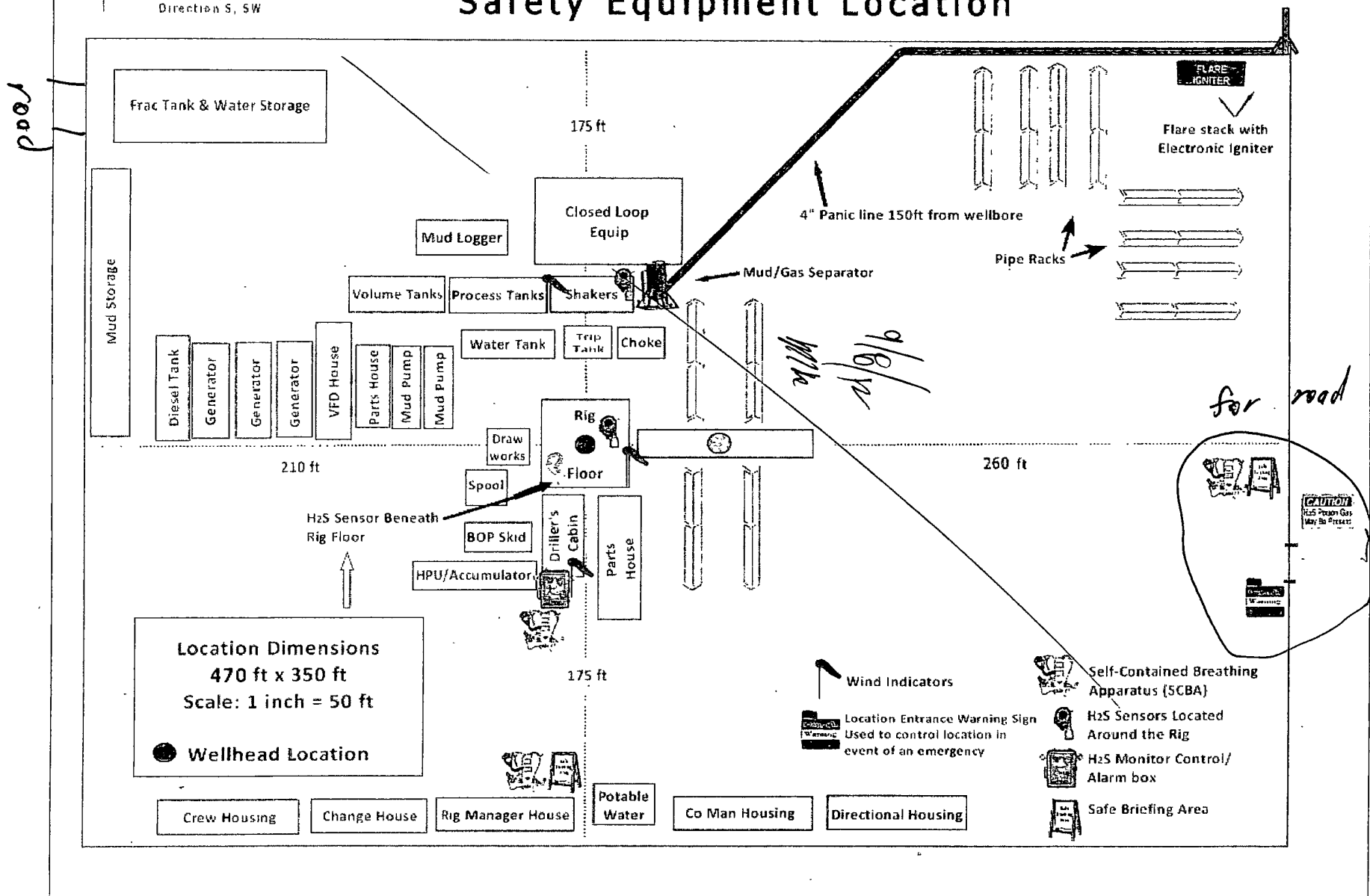
Prepared in conjunction with
Wade Rohloff



Devon Energy - 2 Well Pad Rig Location Layout Safety Equipment Location



Devon Energy - 2 Well Pad Rig Location Layout Safety Equipment Location





Proposed Interim Site Reclamation

Devon Energy Production Co.
BFDU 49H
1825' FNL & 185' FEL
Sec. 3-T21S-R27E
Eddy County, NM



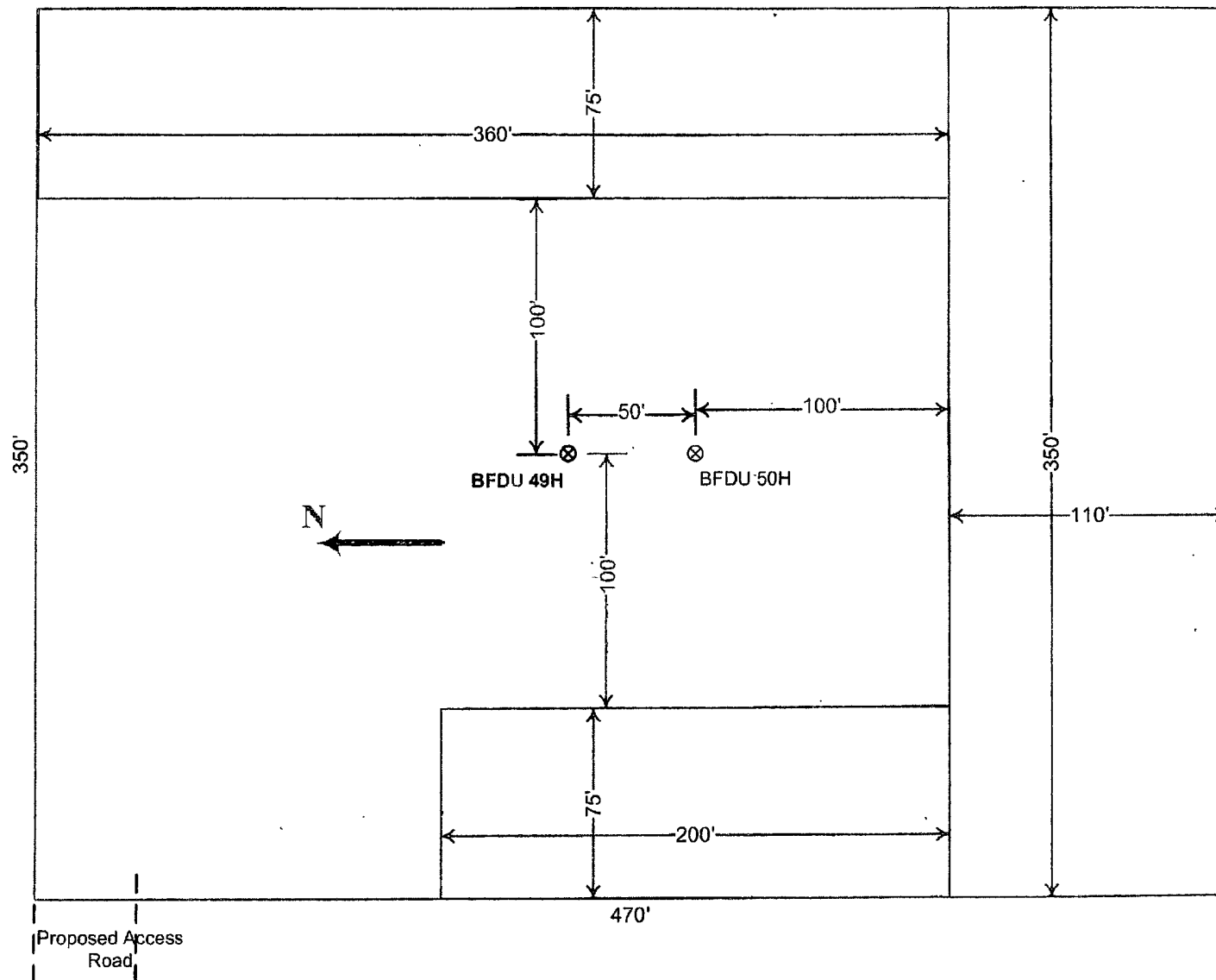
Proposed
Reclamation
Area



Scale: 1in = 60ft.

Proposed Production Facility at the BFDU 52H/56H well pad in Sec. 3-T21S-R27E

Topsoil stock pile on East edge of location



PECOS DISTRICT CONDITIONS OF APPROVAL

OPERATOR'S NAME:	Devon Energy Prod Co
LEASE NO.:	NM0560290
WELL NAME & NO.:	49H Burton Flat Deep Unit
SURFACE HOLE FOOTAGE:	1825' FNL & 185' FEL
BOTTOM HOLE FOOTAGE:	660' FNL & 330' FEL, Sec. 2
LOCATION:	Section 3, T.21 S., R.27 E., NMPM
COUNTY:	Eddy County

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
- ☐ **Construction**
 - Notification
 - Topsoil
 - Closed Loop System
 - Federal Mineral Material Pits
 - Well Pads
 - Roads
- ☐ **Road Section Diagram**
- ☐ **Drilling**
 - Waste Material and Fluids
- ☐ **Production (Post Drilling)**
 - Well Structures & Facilities
 - Pipelines – not requested
 - Electric Lines – not requested
- ☐ **Interim Reclamation**
- ☐ **Final Abandonment & Reclamation**