

NM OIL CONSERVATION
ARTESIA DISTRICT

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 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

SEP 11 2014

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

RECEIVED

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-42629		² Pool Code 3713	³ Pool Name Avalon; Bone Spring, East
⁴ Property Code 302209	⁵ Property Name BURTON FLAT DEEP UNIT		⁶ Well Number 62H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.		⁹ Elevation 3213.8

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
L	2	21 S	27 E		1950	SOUTH	100	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

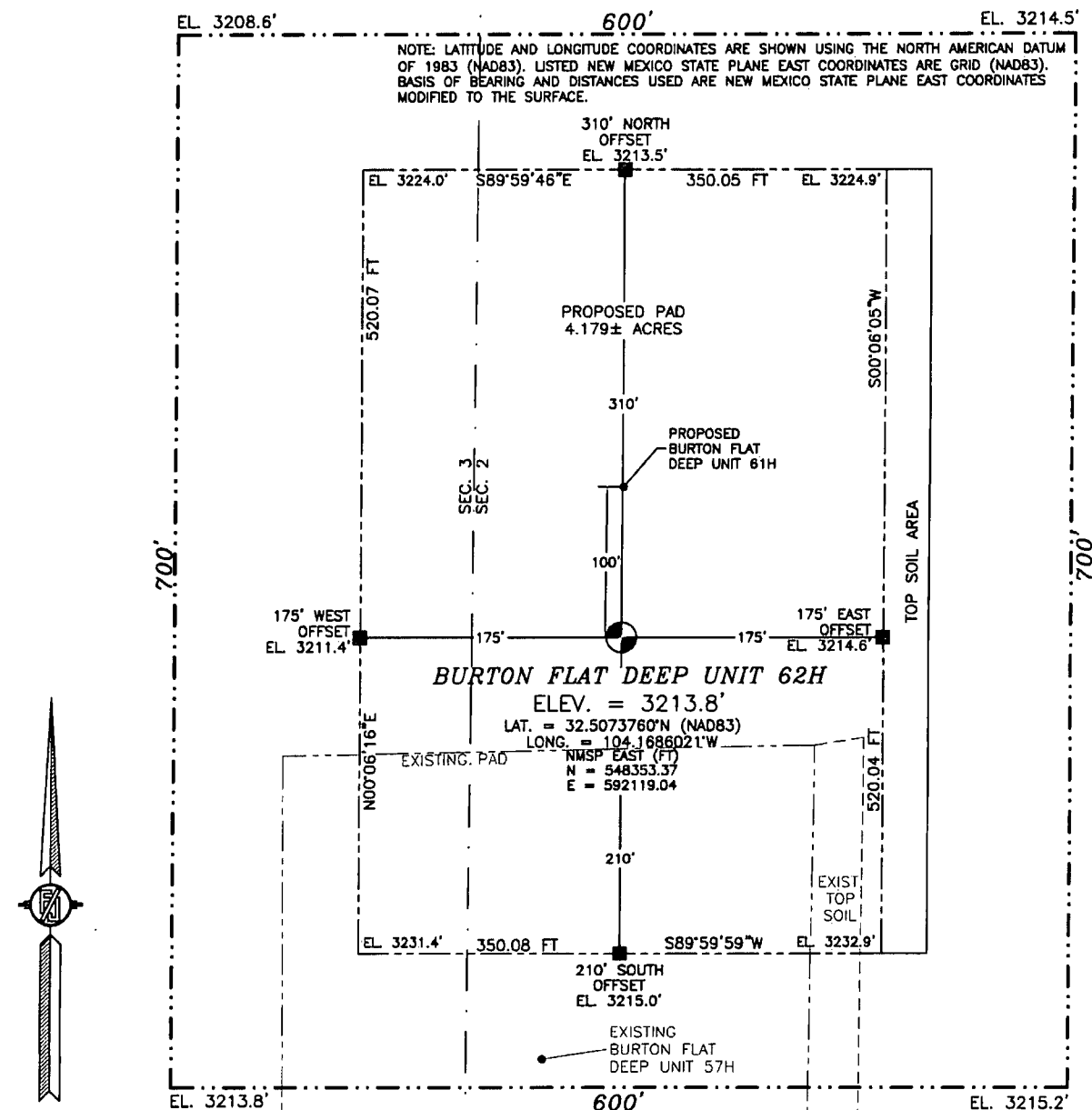
UL or lot no.	Section	Township	Range	Lot Idn.	Feet from the	North/South line	Feet from the	East/West line	County
I	2	21 S	27 E		1980	SOUTH	330	EAST	EDDY

¹² Dedicated Acres 160.00	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.

NW CORNER SEC. 2 LAT. = 32.5226864°N LONG. = 104.1687212°W NMSP EAST (FT) N = 553923.20 E = 582073.74 N/4 CORNER SEC. 2 LAT. = 32.5226827°N LONG. = 104.1601544°W NMSP EAST (FT) N = 553926.06 E = 594714.17 NE CORNER SEC. 2 LAT. = 32.5226828°N LONG. = 104.1515764°W NMSP EAST (FT) N = 553930.49 E = 597358.07	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. <i>Linda Good</i> 9/9/2014 Signature Date Linda Good Printed Name linda.good@dmv.com E-mail Address
W/4 CORNER SEC. 2 LAT. = 32.5092408°N LONG. = 104.1689025°W NMSP EAST (FT) N = 549031.63 E = 592025.38 SW CORNER SEC. 2 LAT. = 32.5020163°N LONG. = 104.1688954°W NMSP EAST (FT) N = 546403.31 E = 592000.82 S/4 CORNER SEC. 2 LAT. = 32.5020348°N LONG. = 104.1603695°W NMSP EAST (FT) N = 546414.26 E = 594660.06 SE CORNER SEC. 2 LAT. = 32.5020532°N LONG. = 104.1517459°W NMSP EAST (FT) N = 546425.39 E = 597318.60	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. MARCH 11 2014 Date of Survey <i>[Signature]</i> Signature and Seal of Professional Surveyor Certificate Number: FILINT.F. JARAMILLO, PLS 12797 SURVEY NO. 2150A

**SECTION 2, TOWNSHIP 21 SOUTH, RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
SITE MAP**



011 55 110 220

SCALE 1" = 110'

DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF ILLINOIS CAMP RD. (CR 206) AND CR 600 (RAINS ROAD) GO EAST ON CR 600 2.25 MILES TO CALICHE ROAD INTERSECTION PAST RAMBO BOOSTER STA. PAST CATTLE GUARD GO EAST ON CALICHE ROAD, ROAD BENDS NORTHEAST GO 1.25 MILES TO FORK IN ROAD TAKE RIGHT GO EAST 0.45 MILES TO CALICHE ROAD ON RIGHT GO SOUTHEAST 0.55 MILES TO ROAD INTERSECTION TURN RIGHT ON CALICHE LEASE ROAD TOWARDS BURTON FLAT DEEP UNIT 43 GO WEST 0.15 MILES TO BPL ROAD GO WEST (RIGHT) ON BPL ROAD 0.21 MILES SITE IS ON RIGHT (NORTH) JUST NORTH OF EXISTING PAD.

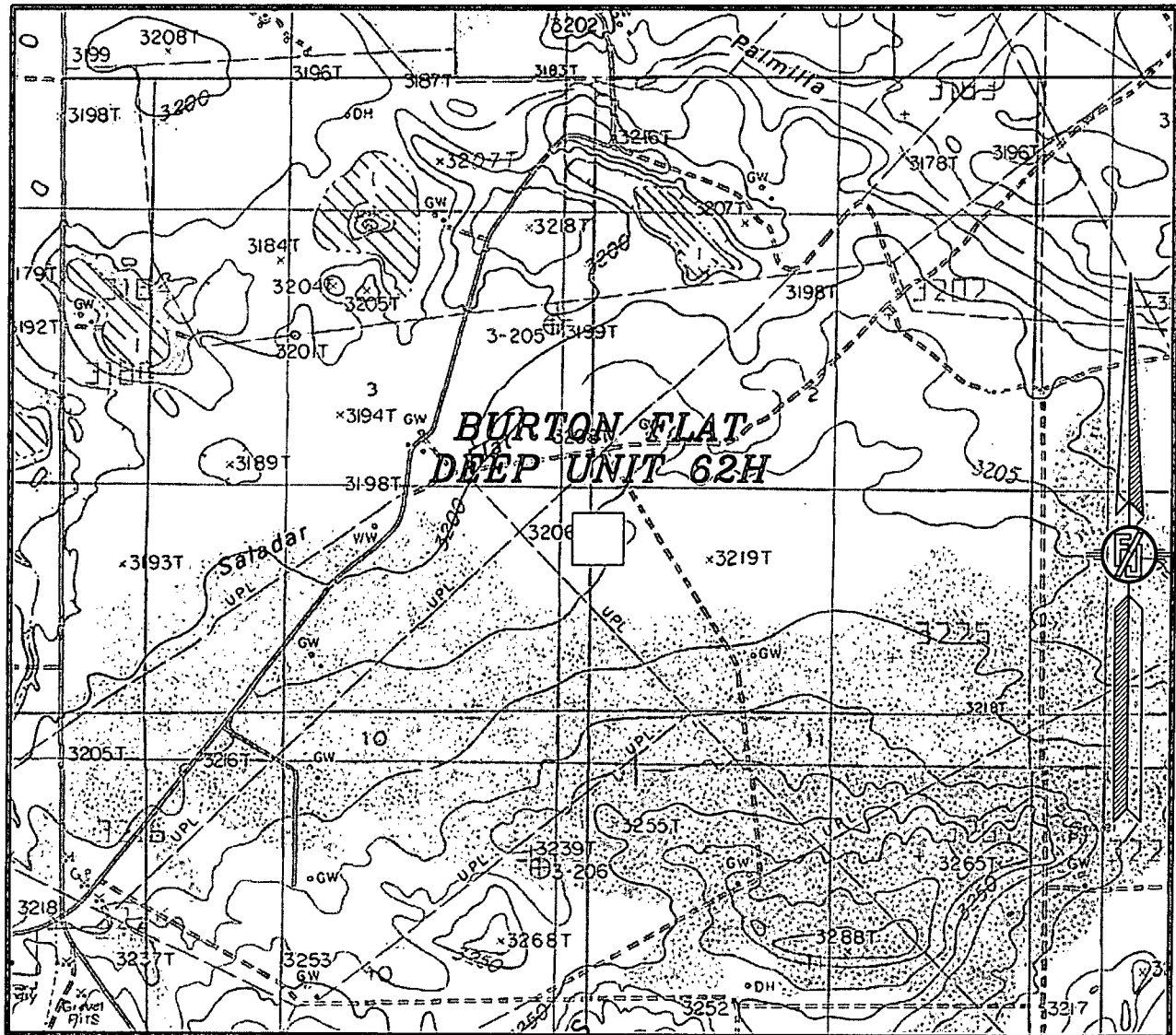
**DEVON ENERGY PRODUCTION COMPANY, L.P.
BURTON FLAT DEEP UNIT 62H
LOCATED 1950 FT. FROM THE SOUTH LINE
AND 100 FT. FROM THE WEST LINE OF
SECTION 2, TOWNSHIP 21 SOUTH,
RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO**

MARCH 3, 2014

SURVEY NO. 2150A

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 **CARLSBAD, NEW MEXICO**

SECTION 2, TOWNSHIP 21 SOUTH, RANGE 27 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO
 LOCATION VERIFICATION MAP



USGS QUAD MAP:
 ANGEL DRAW

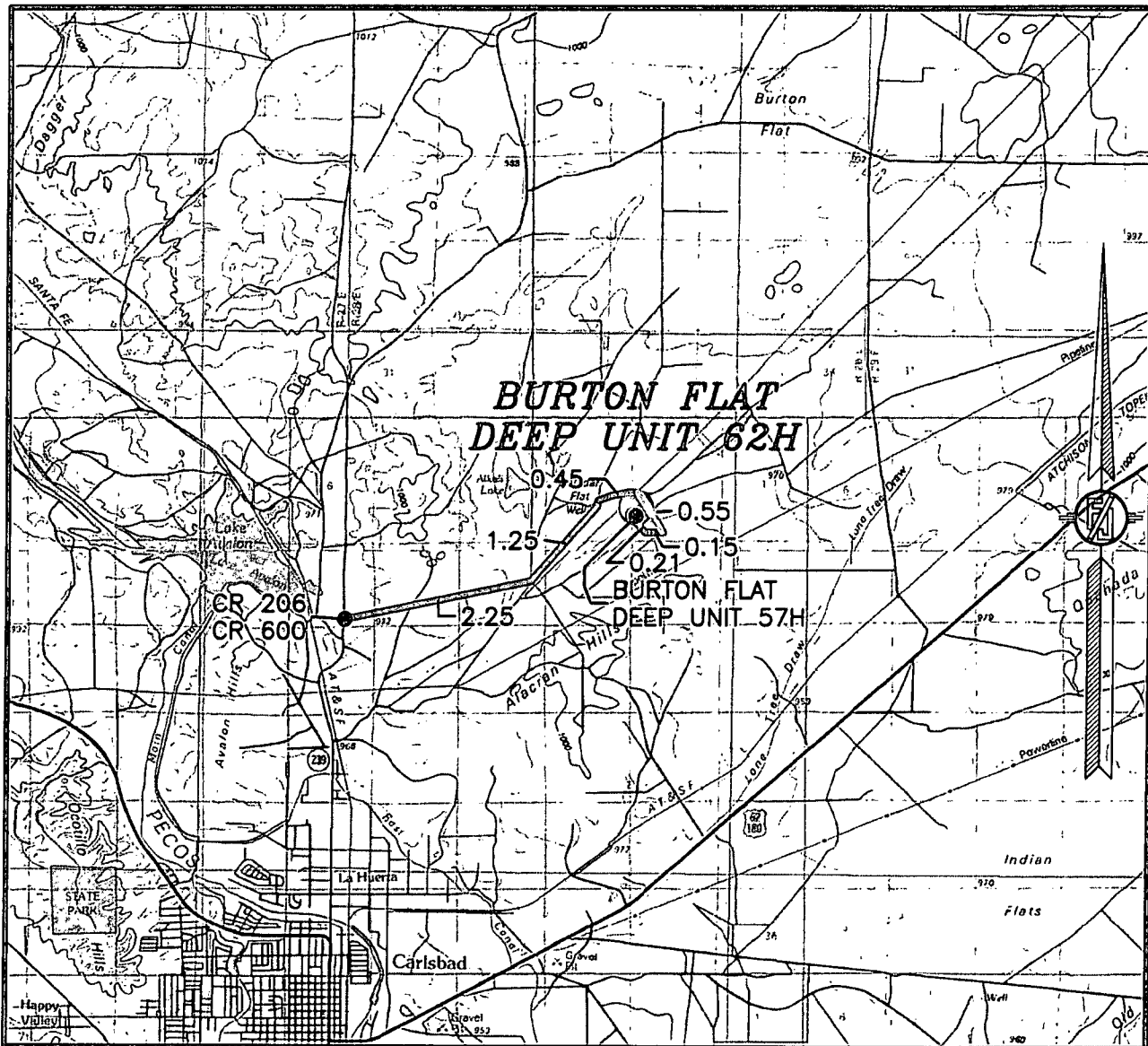
NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.
BURTON FLAT DEEP UNIT 62H
 LOCATED 1950 FT. FROM THE SOUTH LINE
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 EDDY COUNTY, STATE OF NEW MEXICO

MARCH 3, 2014

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO SURVEY NO. 2150A

SECTION 2, TOWNSHIP 21 SOUTH, RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
VICINITY MAP



DISTANCES IN MILES

NOT TO SCALE

DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF ILLINOIS CAMP RD. (CR 206) AND CR 600 (RAINS ROAD) GO EAST ON CR 600 2.25 MILES TO CALICHE ROAD INTERSECTION PAST RAMBO BOOSTER STA. PAST CATTLE GUARD GO EAST ON CALICHE ROAD, ROAD BENDS NORTHEAST GO 1.25 MILES TO FORK IN ROAD TAKE RIGHT GO EAST 0.45 MILES TO CALICHE ROAD ON RIGHT GO SOUTHEAST 0.55 MILES TO ROAD INTERSECTION TURN RIGHT ON CALICHE LEASE ROAD TOWARDS BURTON FLAT DEEP UNIT 43 GO WEST 0.15 MILES TO BPL ROAD GO WEST (RIGHT) ON BPL ROAD 0.21 MILES SITE IS ON RIGHT (NORTH) JUST NORTH OF EXISTING PAD.

DEVON ENERGY PRODUCTION COMPANY, L.P.

BURTON FLAT DEEP UNIT 62H

LOCATED 1950 FT. FROM THE SOUTH LINE

AND 100 FT. FROM THE WEST LINE OF

SECTION 2, TOWNSHIP 21 SOUTH,

RANGE 27 EAST, N.M.P.M.

EDDY COUNTY, STATE OF NEW MEXICO

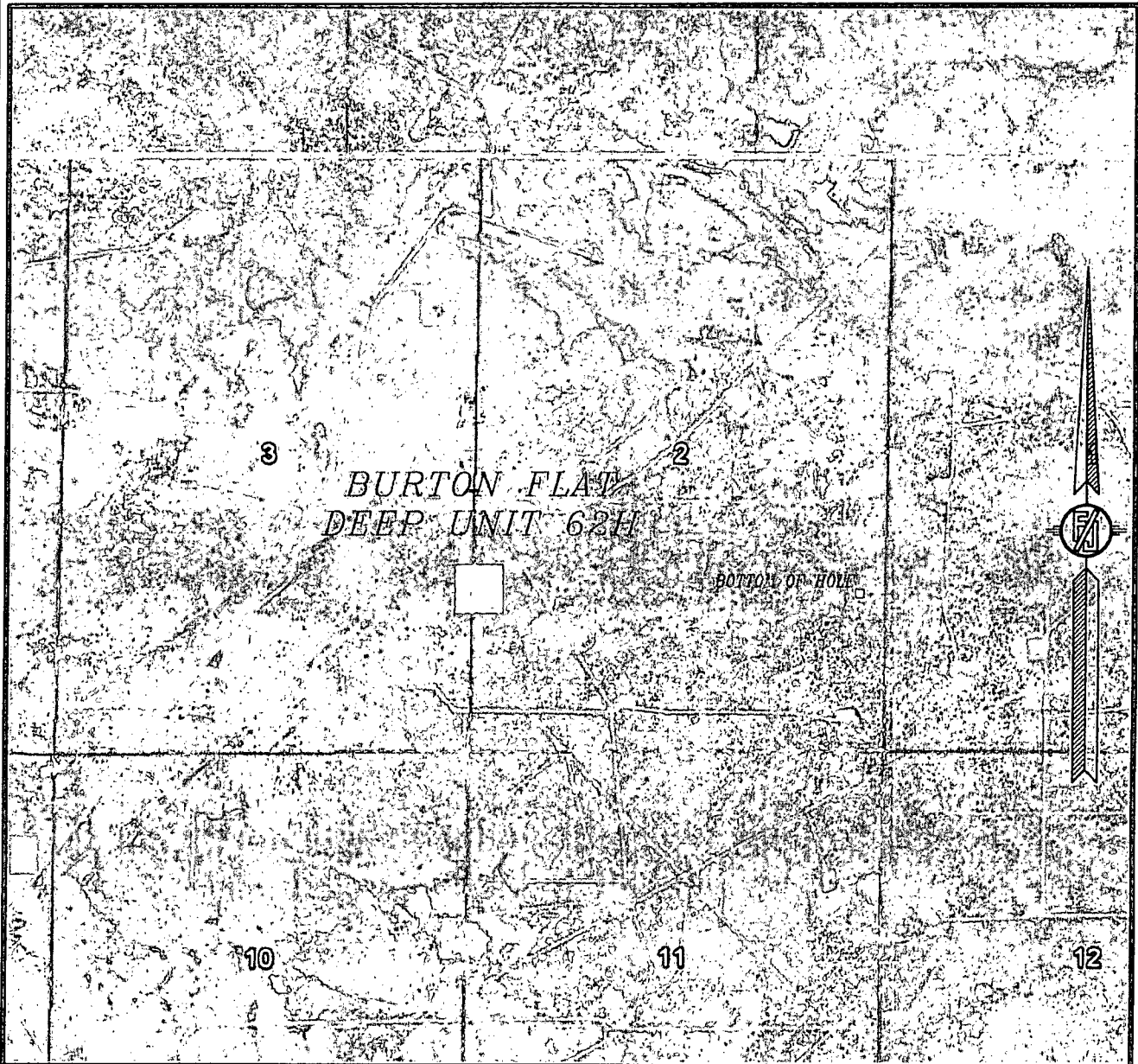
MARCH 3, 2014

MADRON SURVEYING, INC.

301 SOUTH CANAL
(575) 234-3341

SURVEY NO. 2150A
CARLSBAD, NEW MEXICO

SECTION 2, TOWNSHIP 21 SOUTH, RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
AERIAL PHOTO



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
APRIL 2013

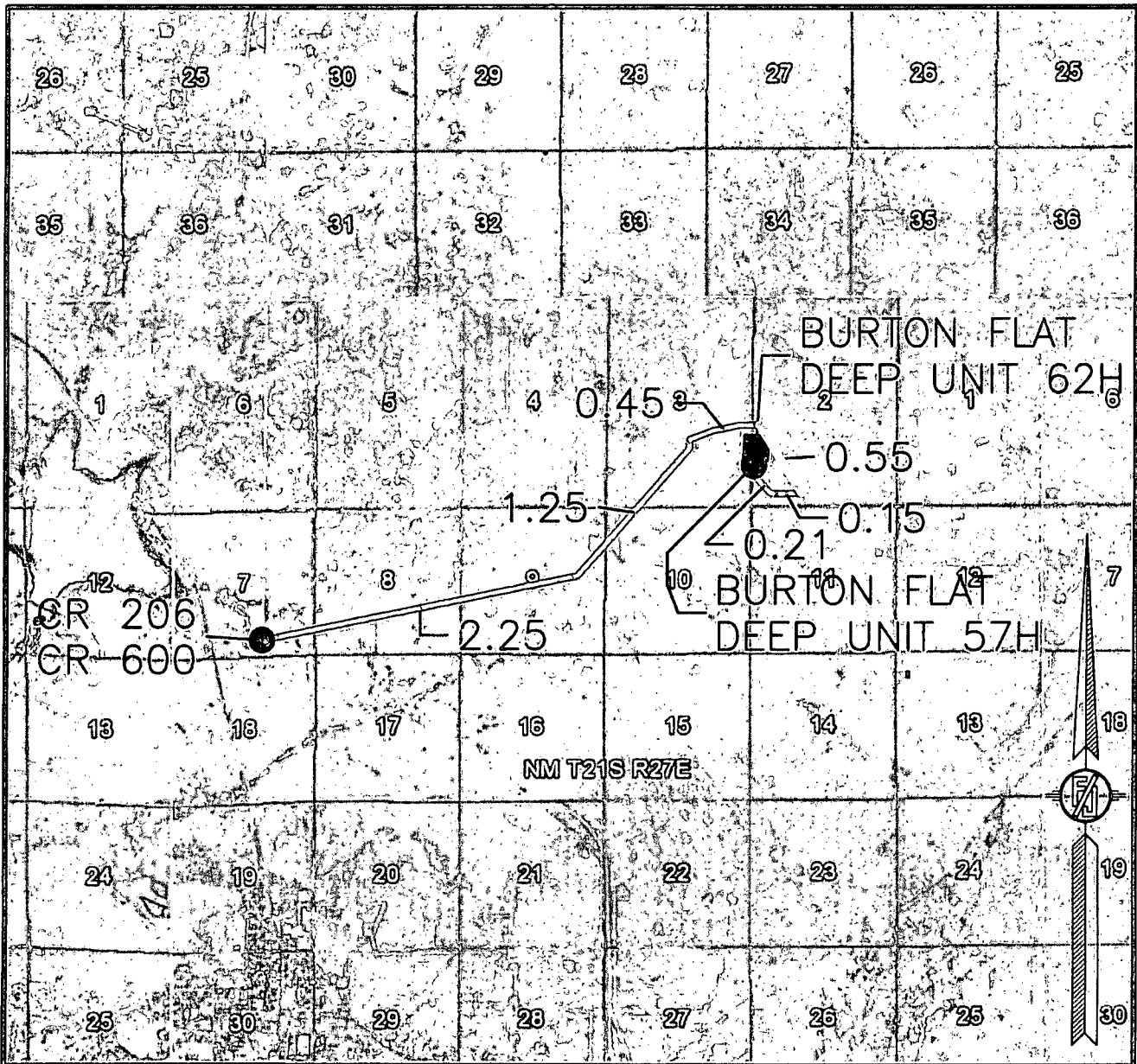
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EDDY COUNTY, STATE OF NEW MEXICO

MARCH 3, 2014

SURVEY NO. 2150A

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 2, TOWNSHIP 21 SOUTH, RANGE 27 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO
 AERIAL ACCESS ROUTE MAP



NOT TO SCALE
 AERIAL PHOTO:
 GOOGLE EARTH
 APRIL 2013

DEVON ENERGY PRODUCTION COMPANY, L.P.
 BURTON FLAT DEEP UNIT 62H
 LOCATED 1950 FT. FROM THE SOUTH LINE
 AND 100 FT. FROM THE WEST LINE OF
 SECTION 2, TOWNSHIP 21 SOUTH,
 RANGE 27 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO

MARCH 3, 2014

SURVEY NO. 2150A

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

DRILLING PROGRAM

Devon Energy Production Company, L.P./Burton Flat Deep Unit/62H

- 1. Geologic Name of Surface Formation: Quaternary**
- 2. Estimated Tops of Geological Markers & Depths of Anticipated FW, Oil, or Gas:**

a. Fresh Water	50'	
b. Rustler	47'	Barren
c. Salado	234'	Barren
d. Base of Salt	414'	Barren
e. Tansil	469'	Barren
f. Yates	579'	Barren
g. Capitan	819'	Barren
h. Capitan Base	2,604'	Barren
i. Delaware	2,829'	Oil/Gas
j. Lower Brushy Canyon	5,007'	Oil/Gas
k. 1st Bone Sping Lime	5,255'	Oil/Gas
l. 1st Bone Spring Sand	6,497'	Oil/Gas
m. 2nd Bone Spring Lime	6,724'	Oil/Gas
n. 2nd Bone Spring Sand	7,210'	Oil/Gas
o. 2BSSS UPPER TOP	7,214'	Oil/Gas
p. 2BSSS UPPER BASE	7,317'	Oil/Gas
q. 2BSSS MID TOP	7,342'	Oil/Gas
r. 2BSSS MID BASE	7,391'	Oil/Gas
s. 2BSSS LWR TOP	7467'	Oil/Gas
t. 2BSSS LWR BASE	7646'	Oil/Gas
u. 3rd Bone Spring Lime	7676'	Oil/Gas
Total Depths	7665' TVD	12248' MD

3. Pressure Control Equipment:

A 3M 13-5/8" BOP system (Double Ram and Annular preventer) will be installed and tested prior to drilling out the surface casing shoe. The BOP system used to drill the intermediate hole will be tested per BLM Onshore Oil and Gas Order 2.

A 3M 13-5/8" BOP system (Double Ram and Annular preventer) will be installed and tested prior to drilling out the intermediate casing shoe. The BOP system used to drill the production hole will be tested per BLM Onshore Oil and Gas Order 2.

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 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); **if an H&P rig drills this well. Otherwise no flex line is needed.** The line will be kept as straight as possible with minimal turns.

Auxiliary Well Control and Monitoring Equipment:

- a. A Kelly cock will be in the drill string at all times.
- b. A full opening drill pipe stabbing valve having the appropriate connections will be on the rig floor at all times.

4. Casing Program:

Hole Size	Hole Interval	Casing OD	Casing Interval	Weight (lb/ft)	Collar	Grade	Collapse Design Factor	Burst Design Factor	Tension Design Factor
26"	0 - 200'	20"	0 - 200'	94	BTC	J-55	5.21	21.13	74.57
17-1/2"	200-775'	13-3/8"	0-775'	68	BTC	J/K-55	4.84	8.56	21.63
12-1/4"	775-2800'	9-5/8"	0-2800'	40	LTC	J-55	1.96	3.01	4.64
8-3/4"	2800-12248'	5-1/2"	2800-12248'	17	DWC	P-110 RY	2.09	2.97	6.17

Casing Notes:

- All casing is new and API approved

Maximum Lateral TVD: 7665'

5. Proposed mud Circulations System:

Depth	Mud Weight	Viscosity	Fluid Loss	Type System
0-200'	8.4-9.0	30-34	N/C	FW
200-2800'	10.0-10.2	28-32	N/C	Brine
2800-12248'	8.6-9.0	28-32	N/C	FW

The necessary mud products for weight addition and fluid loss control will be on location at all times. Visual mud monitoring equipment will be in place to detect volume changes indicating loss or gain of circulating fluid volume. If abnormal pressures are encountered, electronic/mechanical mud monitoring equipment will be installed.

Notes:

- Cement volumes Surface 100%, Intermediate #1 100%, Intermediate #2 75% and Production Casings based on at least 25% excess.
- Actual cement volumes will be adjusted based on fluid caliper and caliper log data.

6. Cementing Table:

String	Number of sx	Weight lbs/gal	Water Volume g/sx	Yield cf/sx	Stage; Lead/Tail	Slurry Description
20" Surface Casing	520	14.8	6.34	1.34	Tail	Class C Cement + 1% Calcium Chloride + 64.2% Fresh Water
13-3/8" 1 st Intermediate Casing	780	14.8	6.34	1.33	Tail	Class C Cement + 1% Calcium Chloride + 64.2% Fresh Water
9-5/8" 2 nd Intermediate	450	12.9	9.82	1.85	Lead	(65:35) Class C Cement: Poz (Fly Ash): 6% BWOC Bentonite + 5% BWOW Sodium Chloride + 0.125 lbs/sack Poly-E-Flake + 70.9 % Fresh Water
	430	14.8	6.34	1.33	Tail	Class C Cement + 0.125 lbs/sack Poly-E-Flake + 63.5% Fresh Water
9-5/8" 2 nd Intermediate Casing Two Stage	440	12.9	9.82	1.85	Lead	(65:35) Class C Cement: Poz (Fly Ash): 6% BWOC Bentonite + 5% BWOW Sodium Chloride + 0.125 lbs/sack Poly-E-Flake + 70.9 % Fresh Water
	220	14.8	6.34	1.33	Tail	Class C Cement + 0.125 lbs/sack Poly-E-Flake + 63.5% Fresh Water
	DV Tool at 825ft					
	60	12.9	9.82	1.85	Lead	(65:35) Class C Cement: Poz (Fly Ash): 6% BWOC Bentonite + 5% BWOW Sodium Chloride + 0.125 lbs/sack Poly-E-Flake + 70.9 % Fresh Water
	140	14.8	6.32	1.33	Tail	Class C Cement + 0.125 lbs/sack Poly-E-Flake + 63.5% Fresh Water
5-1/2" Production Casing	490	10.4	3.13	16.8	Lead	Tuned Light Cement® + 0.125 lb/sk + 71.7% Fresh Water
	1390	14.5	5.32	1.21	Tail	(50:50) Class H Cement: Poz (Fly Ash) + 0.5% bwoc HALAD-344 + 0.25% bwoc CFR-3 + 0.2% bwoc HR-601 + 2% bwoc Bentonite + 58.8% Fresh Water

TOC for all Strings:

20" Surface Casing	0ft
13-3/8" 1 st Intermediate Casing	0ft
9-5/8" Intermediate	0ft
9-5/8" 2 nd Intermediate Casing Two Stage Option	1 st Stage = 825ft 2 nd Stage = 0ft
5-1/2" Production Casing	2300ft

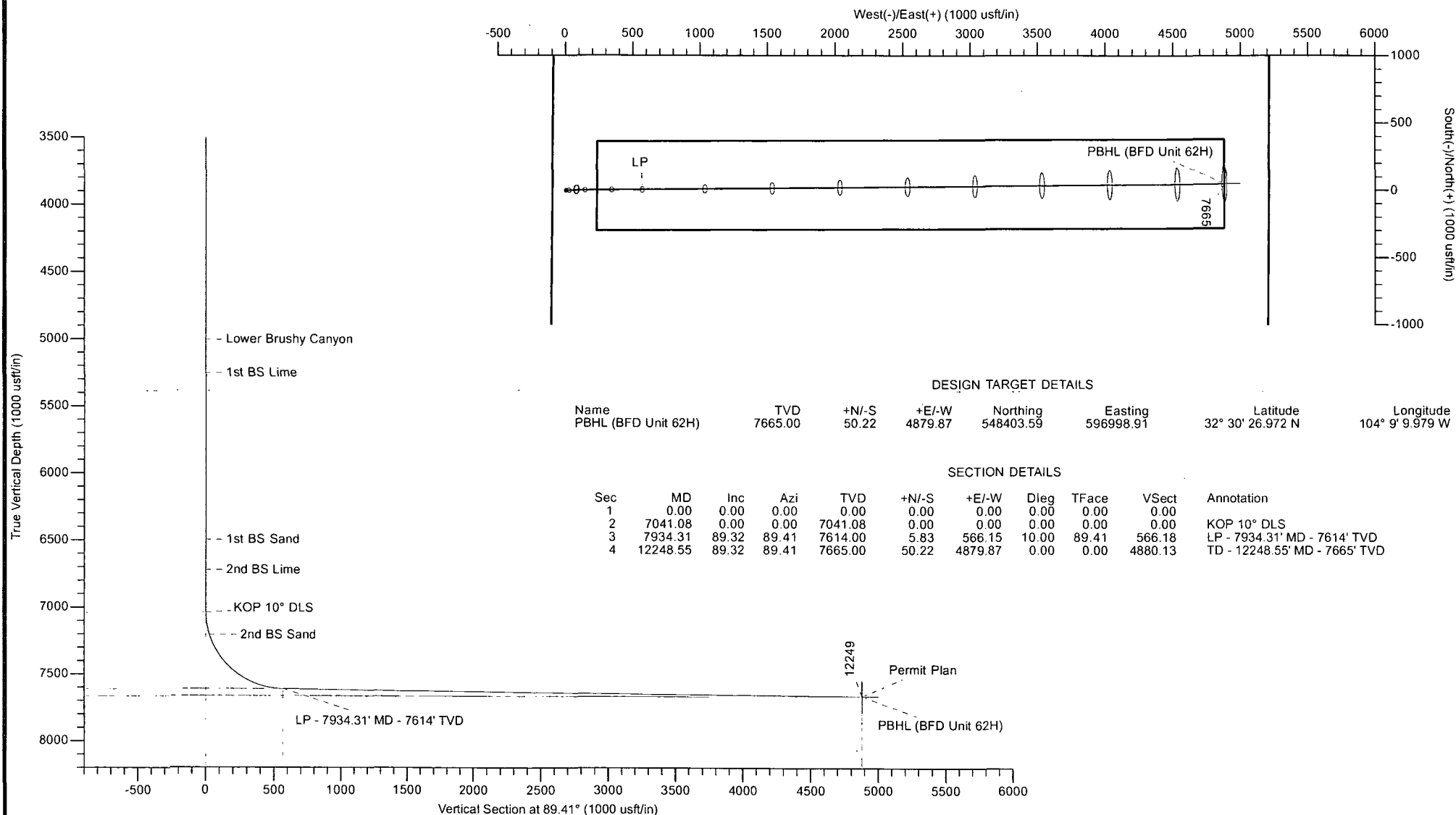
DEVON ENERGY

Project: Eddy County, NM (NAD-83)
 Site: Burton Flat Deep Unit
 Well: 62H
 Wellbore: 62H OH
 Design: Permit Plan



Azimuths to Grid North
 True North: -0.09°
 Magnetic North: 7.54°
 Magnetic Field
 Strength: 48377.2snT
 Dip Angle: 60.25°
 Date: 7/30/2014
 Model: BGGM2013

PROJECT DETAILS: Eddy County, NM (NAD-83)
 Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Eastern Zone



LEAM DRILLING SYSTEMS LLC
 2010 East Davis, Conroe, Texas 77301
 Phone: 936/756-7577, Fax 936/756-7595

Plan: Permit Plan (62H/62H OH)
 Burton Flat Deep Unit
 Created By: Brady Deaver
 Date: 14:35, July 30 2014
 Approved: _____
 Date: _____

DEVON ENERGY

Eddy County, NM (NAD-83)

Burton Flat Deep Unit

62H

62H OH

Plan: Permit Plan

Standard Planning Report

30 July, 2014

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 62H
Company:	DEVON ENERGY	TVD Reference:	Cactus 126: 3213.8' GL + 25' RKB @ 3238.80usft (Original Well Elev)
Project:	Eddy County, NM (NAD-83)	MD Reference:	Cactus 126: 3213.8' GL + 25' RKB @ 3238.80usft (Original Well Elev)
Site:	Burton Flat Deep Unit	North Reference:	Grid
Well:	62H	Survey Calculation Method:	Minimum Curvature
Wellbore:	62H OH		
Design:	Permit Plan		

Project	Eddy County, NM (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	Burton Flat Deep Unit		
Site Position:		Northing:	548,073.21 usft
From:	Map	Easting:	592,066.43 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Grid Convergence:	0.09 °

Well	62H, 2nd BS SS		
Well Position	+N/-S	280.16 usft	Northing:
	+E/-W	52.61 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	3,238.80 usft
		Ground Level:	3,213.80 usft

Wellbore	62H OH		
Magnetics	Model Name	Sample Date	Declination
			(°)
	BGGM2013	7/30/2014	7.62
			Dip Angle
			(°)
			Field Strength
			(nT)
			48,377

Design	Permit Plan		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction
			(°)
			89.41

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7,041.08	0.00	0.00	7,041.08	0.00	0.00	0.00	0.00	0.00	0.00	
7,934.31	89.32	89.41	7,614.00	5.83	566.15	10.00	10.00	10.01	89.41	
12,248.55	89.32	89.41	7,665.00	50.22	4,879.87	0.00	0.00	0.00	0.00	PBHL (BFD Unit 62H)

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 62H
Company:	DEVON ENERGY	TVD Reference:	Cactus 126: 3213.8' GL + 25' RKB @ 3238.80usft (Original Well Elev)
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Site:	Burton Flat Deep Unit	North Reference:	Grid
Well:	62H	Survey Calculation Method:	Minimum Curvature
Wellbore:	62H OH		
Design:	Permit Plan		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.00	0.00	0.00	47.00	0.00	0.00	0.00	0.00	0.00	0.00
Rustler									
100.00	0.00	0.00	100.00	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
234.00	0.00	0.00	234.00	0.00	0.00	0.00	0.00	0.00	0.00
Salado									
300.00	0.00	0.00	300.00	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
414.00	0.00	0.00	414.00	0.00	0.00	0.00	0.00	0.00	0.00
Base of Salt									
469.00	0.00	0.00	469.00	0.00	0.00	0.00	0.00	0.00	0.00
Tansil									
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
579.00	0.00	0.00	579.00	0.00	0.00	0.00	0.00	0.00	0.00
Yates									
600.00	0.00	0.00	600.00	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
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
819.00	0.00	0.00	819.00	0.00	0.00	0.00	0.00	0.00	0.00
Capitan									
900.00	0.00	0.00	900.00	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
1,100.00	0.00	0.00	1,100.00	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
1,300.00	0.00	0.00	1,300.00	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
1,500.00	0.00	0.00	1,500.00	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
1,700.00	0.00	0.00	1,700.00	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
1,900.00	0.00	0.00	1,900.00	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
2,100.00	0.00	0.00	2,100.00	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
2,300.00	0.00	0.00	2,300.00	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
2,500.00	0.00	0.00	2,500.00	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
2,604.00	0.00	0.00	2,604.00	0.00	0.00	0.00	0.00	0.00	0.00
Base Capitan									
2,700.00	0.00	0.00	2,700.00	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
2,829.00	0.00	0.00	2,829.00	0.00	0.00	0.00	0.00	0.00	0.00
Delaware									
2,900.00	0.00	0.00	2,900.00	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
3,100.00	0.00	0.00	3,100.00	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
3,300.00	0.00	0.00	3,300.00	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

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 62H
Company:	DEVON ENERGY	TVD Reference:	Cactus 126: 3213.8' GL + 25' RKB @ 3238.80usft (Original Well Elev)
Project:	Eddy County, NM (NAD-83)	MD Reference:	Cactus 126: 3213.8' GL + 25' RKB @ 3238.80usft (Original Well Elev)
Site:	Burton Flat Deep Unit	North Reference:	Grid
Well:	62H	Survey Calculation Method:	Minimum Curvature
Wellbore:	62H OH		
Design:	Permit Plan		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,500.00	0.00	0.00	3,500.00	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
3,700.00	0.00	0.00	3,700.00	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
3,900.00	0.00	0.00	3,900.00	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
4,100.00	0.00	0.00	4,100.00	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
4,300.00	0.00	0.00	4,300.00	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
4,500.00	0.00	0.00	4,500.00	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
4,700.00	0.00	0.00	4,700.00	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
4,900.00	0.00	0.00	4,900.00	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
5,007.00	0.00	0.00	5,007.00	0.00	0.00	0.00	0.00	0.00	0.00
Lower Brushy Canyon									
5,100.00	0.00	0.00	5,100.00	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
5,255.00	0.00	0.00	5,255.00	0.00	0.00	0.00	0.00	0.00	0.00
1st BS Lime									
5,300.00	0.00	0.00	5,300.00	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
5,500.00	0.00	0.00	5,500.00	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
5,700.00	0.00	0.00	5,700.00	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
5,900.00	0.00	0.00	5,900.00	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
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00
6,497.00	0.00	0.00	6,497.00	0.00	0.00	0.00	0.00	0.00	0.00
1st BS Sand									
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,700.00	0.00	0.00	0.00	0.00	0.00	0.00
6,724.00	0.00	0.00	6,724.00	0.00	0.00	0.00	0.00	0.00	0.00
2nd BS Lime									
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,900.00	0.00	0.00	0.00	0.00	0.00	0.00
7,000.00	0.00	0.00	7,000.00	0.00	0.00	0.00	0.00	0.00	0.00
7,041.08	0.00	0.00	7,041.08	0.00	0.00	0.00	0.00	0.00	0.00
KOP 10° DLS									
7,050.00	0.89	89.41	7,050.00	0.00	0.07	0.07	10.00	10.00	0.00
7,100.00	5.89	89.41	7,099.90	0.03	3.03	3.03	10.00	10.00	0.00
7,150.00	10.89	89.41	7,149.35	0.11	10.32	10.32	10.00	10.00	0.00
7,200.00	15.89	89.41	7,197.97	0.23	21.90	21.90	10.00	10.00	0.00
7,212.55	17.15	89.41	7,210.00	0.26	25.47	25.47	10.00	10.00	0.00

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 62H
Company:	DEVON ENERGY	TVD Reference:	Cactus 126: 3213.8' GL + 25' RKB @ 3238.80usft (Original Well Elev)
Project:	Eddy County, NM (NAD-83)	MD Reference:	Cactus 126: 3213.8' GL + 25' RKB @ 3238.80usft (Original Well Elev)
Site:	Burton Flat Deep Unit	North Reference:	Grid
Well:	62H	Survey Calculation Method:	Minimum Curvature
Wellbore:	62H OH		
Design:	Permit Plan		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2nd BS Sand									
7,216.74	17.57	89.41	7,214.00	0.27	26.72	26.72	10.00	10.00	0.00
2BSSS Upper Top									
7,250.00	20.89	89.41	7,245.40	0.39	37.67	37.67	10.00	10.00	0.00
7,300.00	25.89	89.41	7,291.28	0.59	57.51	57.51	10.00	10.00	0.00
7,328.96	28.79	89.41	7,317.00	0.73	70.81	70.81	10.00	10.00	0.00
2BSSS Upper Base									
7,350.00	30.89	89.41	7,335.25	0.84	81.28	81.28	10.00	10.00	0.00
7,357.90	31.68	89.41	7,342.00	0.88	85.38	85.38	10.00	10.00	0.00
2BSSS Mid Top									
7,400.00	35.89	89.41	7,376.98	1.12	108.79	108.79	10.00	10.00	0.00
7,417.50	37.64	89.41	7,391.00	1.23	119.26	119.27	10.00	10.00	0.00
2BSSS Mid Base									
7,450.00	40.89	89.41	7,416.16	1.44	139.83	139.83	10.00	10.00	0.00
7,500.00	45.89	89.41	7,452.48	1.79	174.16	174.17	10.00	10.00	0.00
7,521.27	48.02	89.41	7,467.00	1.95	189.71	189.72	10.00	10.00	0.00
2BSSS Lwr Top									
7,550.00	50.89	89.41	7,485.67	2.18	211.53	211.55	10.00	10.00	0.00
7,600.00	55.89	89.41	7,515.48	2.59	251.66	251.67	10.00	10.00	0.00
7,650.00	60.89	89.41	7,541.68	3.03	294.22	294.24	10.00	10.00	0.00
7,700.00	65.89	89.41	7,564.06	3.49	338.91	338.93	10.00	10.00	0.00
7,750.00	70.89	89.41	7,582.47	3.97	385.38	385.40	10.00	10.00	0.00
7,800.00	75.89	89.41	7,596.76	4.46	433.28	433.30	10.00	10.00	0.00
7,850.00	80.89	89.41	7,606.81	4.96	482.24	482.26	10.00	10.00	0.00
7,900.00	85.89	89.41	7,612.57	5.47	531.88	531.91	10.00	10.00	0.00
7,934.31	89.32	89.41	7,614.00	5.83	566.15	566.18	10.00	10.00	0.00
LP - 7934.31' MD - 7614' TVD									
8,000.00	89.32	89.41	7,614.77	6.50	631.84	631.87	0.00	0.00	0.00
8,100.00	89.32	89.41	7,615.96	7.53	731.83	731.87	0.00	0.00	0.00
8,200.00	89.32	89.41	7,617.14	8.56	831.82	831.86	0.00	0.00	0.00
8,300.00	89.32	89.41	7,618.32	9.59	931.80	931.85	0.00	0.00	0.00
8,400.00	89.32	89.41	7,619.50	10.62	1,031.79	1,031.85	0.00	0.00	0.00
8,500.00	89.32	89.41	7,620.69	11.65	1,131.78	1,131.84	0.00	0.00	0.00
8,600.00	89.32	89.41	7,621.87	12.68	1,231.77	1,231.83	0.00	0.00	0.00
8,700.00	89.32	89.41	7,623.05	13.71	1,331.75	1,331.82	0.00	0.00	0.00
8,800.00	89.32	89.41	7,624.23	14.73	1,431.74	1,431.82	0.00	0.00	0.00
8,900.00	89.32	89.41	7,625.41	15.76	1,531.73	1,531.81	0.00	0.00	0.00
9,000.00	89.32	89.41	7,626.60	16.79	1,631.72	1,631.80	0.00	0.00	0.00
9,100.00	89.32	89.41	7,627.78	17.82	1,731.70	1,731.80	0.00	0.00	0.00
9,200.00	89.32	89.41	7,628.96	18.85	1,831.69	1,831.79	0.00	0.00	0.00
9,300.00	89.32	89.41	7,630.14	19.88	1,931.68	1,931.78	0.00	0.00	0.00
9,400.00	89.32	89.41	7,631.33	20.91	2,031.67	2,031.78	0.00	0.00	0.00
9,500.00	89.32	89.41	7,632.51	21.94	2,131.66	2,131.77	0.00	0.00	0.00
9,600.00	89.32	89.41	7,633.69	22.97	2,231.64	2,231.76	0.00	0.00	0.00
9,700.00	89.32	89.41	7,634.87	24.00	2,331.63	2,331.75	0.00	0.00	0.00
9,800.00	89.32	89.41	7,636.05	25.02	2,431.62	2,431.75	0.00	0.00	0.00
9,900.00	89.32	89.41	7,637.24	26.05	2,531.61	2,531.74	0.00	0.00	0.00
10,000.00	89.32	89.41	7,638.42	27.08	2,631.59	2,631.73	0.00	0.00	0.00
10,100.00	89.32	89.41	7,639.60	28.11	2,731.58	2,731.73	0.00	0.00	0.00
10,200.00	89.32	89.41	7,640.78	29.14	2,831.57	2,831.72	0.00	0.00	0.00
10,300.00	89.32	89.41	7,641.96	30.17	2,931.56	2,931.71	0.00	0.00	0.00

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 62H
Company:	DEVON ENERGY	TVD Reference:	Cactus 126 3213.8' GL +25' RKB @ 3238.80usft (Original Well Elev)
Project:	Eddy County NM (NAD-83)	MD Reference:	Cactus 126 3213.8' GL + 25' RKB @ 3238.80usft (Original Well Elev)
Site:	Burton Flat Deep Unit	North Reference:	Grid
Well:	62H	Survey Calculation Method:	Minimum Curvature
Wellbore:	62H OH		
Design:	Permit Plan		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,400.00	89.32	89.41	7,643.15	31.20	3,031.55	3,031.71	0.00	0.00	0.00
10,500.00	89.32	89.41	7,644.33	32.23	3,131.53	3,131.70	0.00	0.00	0.00
10,600.00	89.32	89.41	7,645.51	33.26	3,231.52	3,231.69	0.00	0.00	0.00
10,641.35	89.32	89.41	7,646.00	33.68	3,272.87	3,273.04	0.00	0.00	0.00
2BSSS Lwr Base									
10,700.00	89.32	89.41	7,646.69	34.29	3,331.51	3,331.68	0.00	0.00	0.00
10,800.00	89.32	89.41	7,647.88	35.31	3,431.50	3,431.68	0.00	0.00	0.00
10,900.00	89.32	89.41	7,649.06	36.34	3,531.48	3,531.67	0.00	0.00	0.00
11,000.00	89.32	89.41	7,650.24	37.37	3,631.47	3,631.66	0.00	0.00	0.00
11,100.00	89.32	89.41	7,651.42	38.40	3,731.46	3,731.66	0.00	0.00	0.00
11,200.00	89.32	89.41	7,652.60	39.43	3,831.45	3,831.65	0.00	0.00	0.00
11,300.00	89.32	89.41	7,653.79	40.46	3,931.43	3,931.64	0.00	0.00	0.00
11,400.00	89.32	89.41	7,654.97	41.49	4,031.42	4,031.64	0.00	0.00	0.00
11,500.00	89.32	89.41	7,656.15	42.52	4,131.41	4,131.63	0.00	0.00	0.00
11,600.00	89.32	89.41	7,657.33	43.55	4,231.40	4,231.62	0.00	0.00	0.00
11,700.00	89.32	89.41	7,658.52	44.58	4,331.39	4,331.61	0.00	0.00	0.00
11,800.00	89.32	89.41	7,659.70	45.60	4,431.37	4,431.61	0.00	0.00	0.00
11,900.00	89.32	89.41	7,660.88	46.63	4,531.36	4,531.60	0.00	0.00	0.00
12,000.00	89.32	89.41	7,662.06	47.66	4,631.35	4,631.59	0.00	0.00	0.00
12,100.00	89.32	89.41	7,663.24	48.69	4,731.34	4,731.59	0.00	0.00	0.00
12,200.00	89.32	89.41	7,664.43	49.72	4,831.32	4,831.58	0.00	0.00	0.00
12,248.55	89.32	89.41	7,665.00	50.22	4,879.87	4,880.13	0.00	0.00	0.00
TD - 12248.55' MD - 7665' TVD - PBHL (BFD Unit 62H)									

Design Targets

Target Name	Dip Angle (°)	Dip Dir (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
hit/miss target									
- Shape									
PBHL (BFD Unit 62H)	0.00	0.00	7,665.00	50.22	4,879.87	548,403.59	596,998.91	32° 30' 26.972 N	104° 9' 9.979 W
- plan hits target center									
- Point									

LEAM Drilling Systems LLC

Planning Report

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Site:	Burton Flat Deep Unit	North Reference:	Grid
Well:	62H	Survey Calculation Method:	Minimum Curvature
Wellbore:	62H OH		
Design:	Permit Plan		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
47.00	47.00	Rustler		0.00		
234.00	234.00	Salado		0.00		
414.00	414.00	Base of Salt		0.00		
469.00	469.00	Tansil		0.00		
579.00	579.00	Yates		0.00		
819.00	819.00	Capitan		0.00		
2,604.00	2,604.00	Base Capitan		0.00		
2,829.00	2,829.00	Delaware		0.00		
5,007.00	5,007.00	Lower Brushy Canyon		0.00		
5,255.00	5,255.00	1st BS Lime		0.00		
6,497.00	6,497.00	1st BS Sand		0.00		
6,724.00	6,724.00	2nd BS Lime		0.00		
7,212.55	7,210.00	2nd BS Sand		0.00		
7,216.74	7,214.00	2BSSS Upper Top		0.00		
7,328.96	7,317.00	2BSSS Upper Base		0.00		
7,357.90	7,342.00	2BSSS Mid Top		0.00		
7,417.50	7,391.00	2BSSS Mid Base		0.00		
7,521.27	7,467.00	2BSSS Lwr Top		0.00		
10,641.35	7,646.00	2BSSS Lwr Base		0.00		

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
7,041.08	7,041.08	0.00	0.00	KOP 10° DLS	
7,934.31	7,614.00	5.83	566.15	LP - 7934.31' MD - 7614' TVD	
12,248.55	7,665.00	50.22	4,879.87	TD - 12248.55' MD - 7665' TVD	

MD	INCL	AZIMUTH	TVD	VS	N(+)	E(+)	DL/100'	BUILD/100	TURN/100'
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
200.00	0.00	0.00	200.00	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
400.00	0.00	0.00	400.00	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
600.00	0.00	0.00	600.00	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
800.00	0.00	0.00	800.00	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
1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	0.00	0.00
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	0.00	0.00
1200.00	0.00	0.00	1200.00	0.00	0.00	0.00	0.00	0.00	0.00
1300.00	0.00	0.00	1300.00	0.00	0.00	0.00	0.00	0.00	0.00
1400.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.00	0.00	0.00
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	0.00	0.00
1600.00	0.00	0.00	1600.00	0.00	0.00	0.00	0.00	0.00	0.00
1700.00	0.00	0.00	1700.00	0.00	0.00	0.00	0.00	0.00	0.00
1800.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.00	0.00	0.00
1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.00	0.00	0.00
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	0.00	0.00
2200.00	0.00	0.00	2200.00	0.00	0.00	0.00	0.00	0.00	0.00
2300.00	0.00	0.00	2300.00	0.00	0.00	0.00	0.00	0.00	0.00
2400.00	0.00	0.00	2400.00	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	0.00
2600.00	0.00	0.00	2600.00	0.00	0.00	0.00	0.00	0.00	0.00
2700.00	0.00	0.00	2700.00	0.00	0.00	0.00	0.00	0.00	0.00
2800.00	0.00	0.00	2800.00	0.00	0.00	0.00	0.00	0.00	0.00
2900.00	0.00	0.00	2900.00	0.00	0.00	0.00	0.00	0.00	0.00
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	0.00	0.00
3100.00	0.00	0.00	3100.00	0.00	0.00	0.00	0.00	0.00	0.00
3200.00	0.00	0.00	3200.00	0.00	0.00	0.00	0.00	0.00	0.00
3300.00	0.00	0.00	3300.00	0.00	0.00	0.00	0.00	0.00	0.00
3400.00	0.00	0.00	3400.00	0.00	0.00	0.00	0.00	0.00	0.00
3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	0.00	0.00
3600.00	0.00	0.00	3600.00	0.00	0.00	0.00	0.00	0.00	0.00
3700.00	0.00	0.00	3700.00	0.00	0.00	0.00	0.00	0.00	0.00
3800.00	0.00	0.00	3800.00	0.00	0.00	0.00	0.00	0.00	0.00
3900.00	0.00	0.00	3900.00	0.00	0.00	0.00	0.00	0.00	0.00
4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	0.00	0.00
4100.00	0.00	0.00	4100.00	0.00	0.00	0.00	0.00	0.00	0.00
4200.00	0.00	0.00	4200.00	0.00	0.00	0.00	0.00	0.00	0.00
4300.00	0.00	0.00	4300.00	0.00	0.00	0.00	0.00	0.00	0.00
4400.00	0.00	0.00	4400.00	0.00	0.00	0.00	0.00	0.00	0.00

4500.00	0.00	0.00	4500.00	0.00	0.00	0.00	0.00	0.00	0.00
4600.00	0.00	0.00	4600.00	0.00	0.00	0.00	0.00	0.00	0.00
4700.00	0.00	0.00	4700.00	0.00	0.00	0.00	0.00	0.00	0.00
4800.00	0.00	0.00	4800.00	0.00	0.00	0.00	0.00	0.00	0.00
4900.00	0.00	0.00	4900.00	0.00	0.00	0.00	0.00	0.00	0.00
5000.00	0.00	0.00	5000.00	0.00	0.00	0.00	0.00	0.00	0.00
5100.00	0.00	0.00	5100.00	0.00	0.00	0.00	0.00	0.00	0.00
5200.00	0.00	0.00	5200.00	0.00	0.00	0.00	0.00	0.00	0.00
5300.00	0.00	0.00	5300.00	0.00	0.00	0.00	0.00	0.00	0.00
5400.00	0.00	0.00	5400.00	0.00	0.00	0.00	0.00	0.00	0.00
5500.00	0.00	0.00	5500.00	0.00	0.00	0.00	0.00	0.00	0.00
5600.00	0.00	0.00	5600.00	0.00	0.00	0.00	0.00	0.00	0.00
5700.00	0.00	0.00	5700.00	0.00	0.00	0.00	0.00	0.00	0.00
5800.00	0.00	0.00	5800.00	0.00	0.00	0.00	0.00	0.00	0.00
5900.00	0.00	0.00	5900.00	0.00	0.00	0.00	0.00	0.00	0.00
6000.00	0.00	0.00	6000.00	0.00	0.00	0.00	0.00	0.00	0.00
6100.00	0.00	0.00	6100.00	0.00	0.00	0.00	0.00	0.00	0.00
6200.00	0.00	0.00	6200.00	0.00	0.00	0.00	0.00	0.00	0.00
6300.00	0.00	0.00	6300.00	0.00	0.00	0.00	0.00	0.00	0.00
6400.00	0.00	0.00	6400.00	0.00	0.00	0.00	0.00	0.00	0.00
6500.00	0.00	0.00	6500.00	0.00	0.00	0.00	0.00	0.00	0.00
6600.00	0.00	0.00	6600.00	0.00	0.00	0.00	0.00	0.00	0.00
6700.00	0.00	0.00	6700.00	0.00	0.00	0.00	0.00	0.00	0.00
6800.00	0.00	0.00	6800.00	0.00	0.00	0.00	0.00	0.00	0.00
6900.00	0.00	0.00	6900.00	0.00	0.00	0.00	0.00	0.00	0.00
7000.00	0.00	0.00	7000.00	0.00	0.00	0.00	0.00	0.00	0.00
7041.08	0.00	0.00	7041.08	0.00	0.00	0.00	0.00	0.00	0.00
7050.00	0.89	89.41	7050.00	0.07	0.00	0.07	10.00	10.00	0.00
7100.00	5.89	89.41	7099.90	3.03	0.03	3.03	10.00	10.00	0.00
7150.00	10.89	89.41	7149.35	10.32	0.11	10.32	10.00	10.00	0.00
7200.00	15.89	89.41	7197.97	21.90	0.23	21.90	10.00	10.00	0.00
7250.00	20.89	89.41	7245.40	37.67	0.39	37.67	10.00	10.00	0.00
7300.00	25.89	89.41	7291.28	57.51	0.59	57.51	10.00	10.00	0.00
7350.00	30.89	89.41	7335.25	81.28	0.84	81.28	10.00	10.00	0.00
7400.00	35.89	89.41	7376.98	108.79	1.12	108.79	10.00	10.00	0.00
7450.00	40.89	89.41	7416.16	139.83	1.44	139.83	10.00	10.00	0.00
7500.00	45.89	89.41	7452.48	174.17	1.79	174.16	10.00	10.00	0.00
7550.00	50.89	89.41	7485.67	211.55	2.18	211.53	10.00	10.00	0.00
7600.00	55.89	89.41	7515.48	251.67	2.59	251.66	10.00	10.00	0.00
7650.00	60.89	89.41	7541.68	294.24	3.03	294.22	10.00	10.00	0.00
7700.00	65.89	89.41	7564.06	338.93	3.49	338.91	10.00	10.00	0.00
7750.00	70.89	89.41	7582.47	385.40	3.97	385.38	10.00	10.00	0.00
7800.00	75.89	89.41	7596.76	433.30	4.46	433.28	10.00	10.00	0.00
7850.00	80.89	89.41	7606.81	482.26	4.96	482.24	10.00	10.00	0.00
7900.00	85.89	89.41	7612.57	531.91	5.47	531.88	10.00	10.00	0.00
7934.31	89.32	89.41	7614.00	566.18	5.83	566.15	10.00	10.00	0.00
8000.00	89.32	89.41	7614.77	631.87	6.50	631.84	0.00	0.00	0.00

8100.00	89.32	89.41	7615.96	731.87	7.53	731.83	0.00	0.00	0.00
8200.00	89.32	89.41	7617.14	831.86	8.56	831.82	0.00	0.00	0.00
8300.00	89.32	89.41	7618.32	931.85	9.59	931.80	0.00	0.00	0.00
8400.00	89.32	89.41	7619.50	1031.85	10.62	1031.79	0.00	0.00	0.00
8500.00	89.32	89.41	7620.69	1131.84	11.65	1131.78	0.00	0.00	0.00
8600.00	89.32	89.41	7621.87	1231.83	12.68	1231.77	0.00	0.00	0.00
8700.00	89.32	89.41	7623.05	1331.82	13.71	1331.75	0.00	0.00	0.00
8800.00	89.32	89.41	7624.23	1431.82	14.73	1431.74	0.00	0.00	0.00
8900.00	89.32	89.41	7625.41	1531.81	15.76	1531.73	0.00	0.00	0.00
9000.00	89.32	89.41	7626.60	1631.80	16.79	1631.72	0.00	0.00	0.00
9100.00	89.32	89.41	7627.78	1731.80	17.82	1731.70	0.00	0.00	0.00
9200.00	89.32	89.41	7628.96	1831.79	18.85	1831.69	0.00	0.00	0.00
9300.00	89.32	89.41	7630.14	1931.78	19.88	1931.68	0.00	0.00	0.00
9400.00	89.32	89.41	7631.32	2031.78	20.91	2031.67	0.00	0.00	0.00
9500.00	89.32	89.41	7632.51	2131.77	21.94	2131.66	0.00	0.00	0.00
9600.00	89.32	89.41	7633.69	2231.76	22.97	2231.64	0.00	0.00	0.00
9700.00	89.32	89.41	7634.87	2331.75	24.00	2331.63	0.00	0.00	0.00
9800.00	89.32	89.41	7636.05	2431.75	25.02	2431.62	0.00	0.00	0.00
9900.00	89.32	89.41	7637.24	2531.74	26.05	2531.61	0.00	0.00	0.00
10000.00	89.32	89.41	7638.42	2631.73	27.08	2631.59	0.00	0.00	0.00
10100.00	89.32	89.41	7639.60	2731.73	28.11	2731.58	0.00	0.00	0.00
10200.00	89.32	89.41	7640.78	2831.72	29.14	2831.57	0.00	0.00	0.00
10300.00	89.32	89.41	7641.96	2931.71	30.17	2931.56	0.00	0.00	0.00
10400.00	89.32	89.41	7643.15	3031.71	31.20	3031.55	0.00	0.00	0.00
10500.00	89.32	89.41	7644.33	3131.70	32.23	3131.53	0.00	0.00	0.00
10600.00	89.32	89.41	7645.51	3231.69	33.26	3231.52	0.00	0.00	0.00
10700.00	89.32	89.41	7646.69	3331.68	34.29	3331.51	0.00	0.00	0.00
10800.00	89.32	89.41	7647.88	3431.68	35.31	3431.50	0.00	0.00	0.00
10900.00	89.32	89.41	7649.06	3531.67	36.34	3531.48	0.00	0.00	0.00
11000.00	89.32	89.41	7650.24	3631.66	37.37	3631.47	0.00	0.00	0.00
11100.00	89.32	89.41	7651.42	3731.66	38.40	3731.46	0.00	0.00	0.00
11200.00	89.32	89.41	7652.60	3831.65	39.43	3831.45	0.00	0.00	0.00
11300.00	89.32	89.41	7653.79	3931.64	40.46	3931.43	0.00	0.00	0.00
11400.00	89.32	89.41	7654.97	4031.64	41.49	4031.42	0.00	0.00	0.00
11500.00	89.32	89.41	7656.15	4131.63	42.52	4131.41	0.00	0.00	0.00
11600.00	89.32	89.41	7657.33	4231.62	43.55	4231.40	0.00	0.00	0.00
11700.00	89.32	89.41	7658.52	4331.61	44.58	4331.39	0.00	0.00	0.00
11800.00	89.32	89.41	7659.70	4431.61	45.60	4431.37	0.00	0.00	0.00
11900.00	89.32	89.41	7660.88	4531.60	46.63	4531.36	0.00	0.00	0.00
12000.00	89.32	89.41	7662.06	4631.59	47.66	4631.35	0.00	0.00	0.00
12100.00	89.32	89.41	7663.24	4731.59	48.69	4731.34	0.00	0.00	0.00
12200.00	89.32	89.41	7664.43	4831.58	49.72	4831.32	0.00	0.00	0.00
12248.55	89.32	89.41	7665.00	4880.13	50.22	4879.87	0.00	0.00	0.00