

DATE IN <i>12/14/11</i>	SUSPENSE	ENGINEER <i>D/LB</i>	LOGGED IN <i>12/14/11</i>	TYPE <i>AKI</i>	APP NO. <i>1134832485</i>
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -
1220 South St. Francis Drive, Santa Fe, NM 87505



Devon 6137

11/29/11 Fed #14

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

- [A] Location - Spacing Unit - Simultaneous Dedication
☒ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

- [D] Other: Specify _____

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
[B] ☒ Offset Operators, Leaseholders or Surface Owner
[C] ☐ Application is One Which Requires Published Legal Notice
[D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
[E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,
[F] ☐ Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

James Bruce
P.O. Box 1056
Santa Fe, New Mexico 87504

Signature

Title

Date

e-mail Address

RECEIVED OGD
2011 DEC 13 PM 4:16

0538

A-29-195-3/E

James Bruce

Attorney
jamesbruce@aol.com

12/13/11

JAMES BRUCE
ATTORNEY AT LAW

POST OFFICE BOX 1056
SANTA FE, NEW MEXICO 87504

369 MONTEZUMA, NO. 213
SANTA FE, NEW MEXICO 87501

(505) 982-2043 (Phone)
(505) 660-6612 (Cell)
(505) 982-2151 (Fax)

jamesbruc@aol.com

December 13, 2011

David K. Brooks
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Dear Mr. Brooks:

Pursuant to Division Rule NMAC 19.15.15.13, Devon Energy Production Company, L.P. applies for approval of an unorthodox oil well location for the following well:

97020

<u>Well:</u>	Vega 29 Fed. Well No. 1H
<u>Surface location:</u>	320 feet FNL & 900 feet FEL
<u>Penetration point:</u>	Same as surface location
<u>Bottom hole location:</u>	340 feet FSL & 900 feet FEL
<u>Well unit (project area):</u>	E½E½ of Section 29, Township 19 South, Range 31 East, N.M.P.M., Eddy County, New Mexico

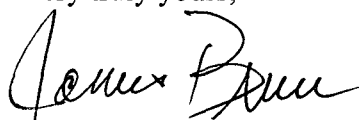
(Applicant proposes to drill the well to test the Bone Spring formation (Northwest Hackberry-Bone Spring Pool). The pool is spaced on 40 acres, with wells to be located no closer than 330 feet to a quarter-quarter section line. A Form C-102 is attached as **Exhibit A**. A drilling plan is attached as **Exhibit B**. *under*

The surface location is unorthodox to avoid a pipeline to the south of the well's surface location. **Exhibit C**. Applicant does not want to move further south because that would minimize the length of the horizontal wellbore. **The producing interval will be no closer than 330 feet FNL of Section 29.**

The well encroaches on the SE¼ of Section 20, which is covered by Federal Lease NM 0557729, which is operated by applicant and has common ownership. **Exhibit D**. Notice was given to the offsets by the letter marked as **Exhibit E**.

Please contact me if you need any further information on this application.

Very truly yours,

A handwritten signature in black ink, appearing to read "James Bruce". The signature is fluid and cursive, with the first name "James" and last name "Bruce" clearly distinguishable.

James Bruce

Attorney for Devon Energy Production Company, L.P.

District I
1625 N. French 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		2 Pool Code		3 Pool Name	
4 Property Code		5 Property Name VEGA "29" FEDERAL			6 Well Number 1H
7 OGRID No. 6137		8 Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.			9 Elevation 3486.9

10 Surface Location

U/L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	29	19 S	31 E		320	NORTH	900	EAST	EDDY

11 Bottom Hole Location If Different From Surface

U/L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	29	19 S	31 E		340	SOUTH	900	EAST	EDDY

12 Dedicated Acres	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. 29 LAT. = 32.6386302°N LONG. = 103.8999686°W NMSP EAST (FT) N = 596336.65 E = 674736.47		VEGA "29" FEDERAL #1H ELEV. = 3486.9' LAT. = 32.6377726°N (NAD83) LONG. = 103.8857377°W NMSP EAST (FT) N = 596042.83 E = 679118.40		SURFACE LOCATION 900' 320'	
SW CORNER SEC. 29 LAT. = 32.6241144°N LONG. = 103.8999168°W NMSP EAST (FT) N = 591055.73 E = 674773.95		BOTTOM OF HOLE LAT. = 32.6250741°N LONG. = 103.8856931°W NMSP EAST (FT) N = 591423.05 E = 679151.59		SE CORNER SEC. 29 LAT. = 32.6241448°N LONG. = 103.8827673°W NMSP EAST (FT) N = 591088.77 E = 680053.80	
		BOTTOM OF HOLE 340' 900'			

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 _____ Date _____
Printed Name _____

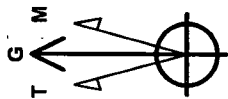
18 SURVEYOR CERTIFICATION
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

OCTOBER 11, 2011
Date of Survey 12797
Signature and Seal of Professional Surveyor *[Signature]*
Certificate Number FILLMORE E. JARAMILLO, PLS 12797
SURVEY NO. 599



Project: Eddy County
Site: Vega "29" Federal
Well: #1H
Wellbore: OH
Plan: Plan #1 (#1H/OH)

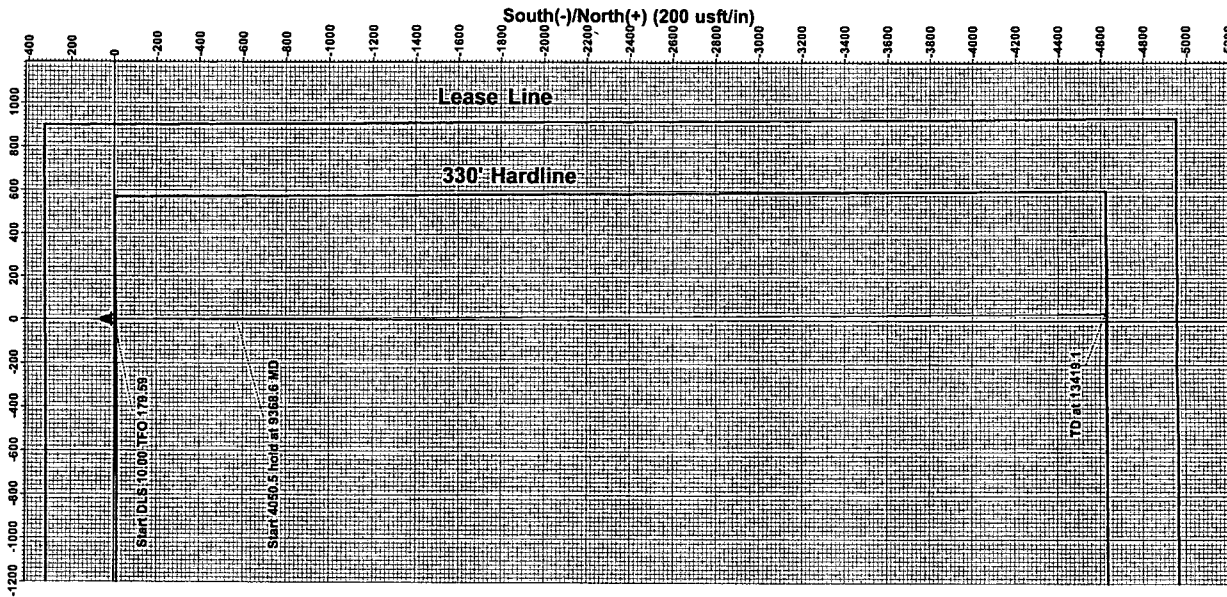
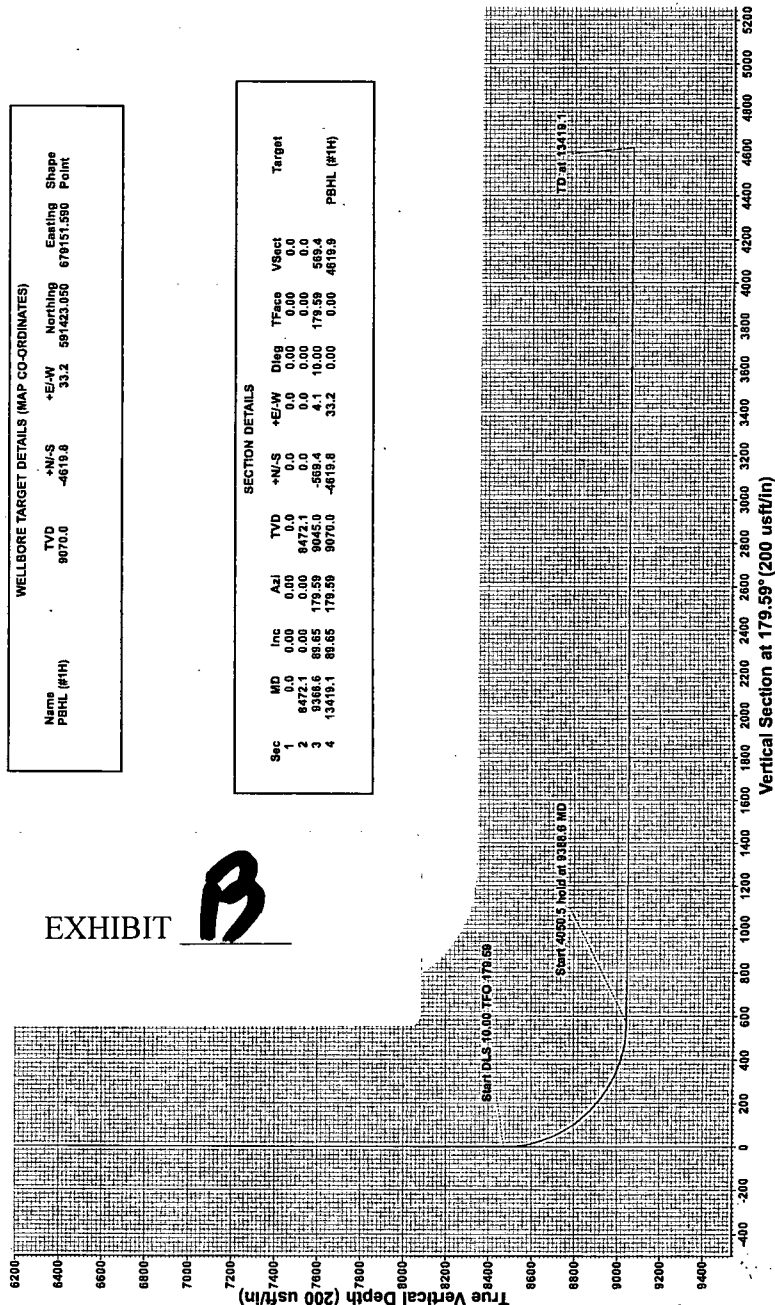
PROJECT DETAILS: Eddy County
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level
Local North: Grid



Azimuths to Grid North
True North: -0.24°
Magnetic North: 7.46°
Magnetic Field
Strength: 48828.1nT
Dip Angle: 60.53°
Date: 11/8/2011
Model: IGR200510

EXHIBIT

B



WELL DETAILS: #1H					
Ground Elevation: 3488.9					
R&B Elevation: KB = 25 @ 3512.9usf (H&P 300)					
R&B Name: H&P 300					
+N/S	+E/W	Northing	Easting	Latitude	Longitude
0.0	0.0	596042.830	679118.400	32°38' 15.982 N	103°53' 8.656 W
		Slot			

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)					
Name	MD	TVD	+N/S	+E/W	Northing
PBHL (#1H)		9070.0	-4619.8	33.2	591423.050
		Easting		Shape	
		679151.590		Point	

SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/S	+E/W	Dleg	TFace	VSect
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0
2	8472.1	0.00	0.00	8472.1	0.0	0.0	0.00	0.00	0.0
3	13416.1	88.55	179.59	9070.0	-4619.8	33.2	10.00	179.59	589.4
4	13416.1	88.55	179.59	9070.0	-4619.8	33.2	0.00	0.00	4619.9
								PBHL (#1H)	



Devon Energy, Inc.

Eddy County

Vega "29" Federal

#1H

OH

Plan: Plan #1

Pathfinder X & Y Report

08 November, 2011

PATHFINDER®

A Schlumberger Company



Smith International, Inc.
Pathfinder X & Y Report



Company:	Devon Energy, Inc.	Local Co-ordinate Reference:	Well #1H
Project:	Eddy County	TVD Reference:	KB = 26 @ 3512.9usft (H&P 300)
Site:	Vega "29" Federal	MD Reference:	KB = 26 @ 3512.9usft (H&P 300)
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey/Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM 5000.1 Single User Db

Project:	Eddy County	System Datum:	Mean Sea Level
Map System:	US State Plane 1983		
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site:	Vega "29" Federal	Northings:	596,042.830 usft	Latitude:	32° 38' 15.982 N
Site Position:		Easting:	679,118.400 usft	Longitude:	103° 53' 8.656 W
From:	Map	Slot Radius:	13-3/16 "	Grid Convergence:	0.24 °
Position Uncertainty:	0.0 usft				

Well:	#1H	Northings:	596,042.830 usft	Latitude:	32° 38' 15.982 N
Well Position	+N/-S	Easting:	679,118.400 usft	Longitude:	103° 53' 8.656 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,486.9 usft

Wellbore	OH	Declination	Dip Angle	Field Strength
Magnetics	Model Name	(°)	(°)	(nT)
	IGR200510	11/8/2011	7.70	60.53
				48.828

Design	Plan #1	Phase:	PLAN	Tie On Depth:	0.0
Audit Notes:					
Version:					
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(usft)	(usft)	(usft)	(°)	
	0.0	0.0	0.0	179.59	

Survey Tool Program	Date	11/8/2011
From	To	
(usft)	(usft)	
Survey (Wellbore)	Tool Name	Description
0.0	Pathfinder	Pathfinder MWD
13.419.0	Plan #1 (OH)	



Smith International, Inc.
Pathfinder X & Y Report



Company:	Devon Energy, Inc.	Local Co-ordinate Reference:	Well #1H
Project:	Eddy County	TVD Reference:	KB = 26 @ 3512.9usft (H&P 300)
Site:	Vega "29" Federal	MD Reference:	KB = 26 @ 3512.9usft (H&P 300)
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM 5000:1 Single User Db

Planned Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	D Leg (°/100usft)	Northing (usft)	Easting (usft)
0.0	0.00	0.00	0.0	-3,512.9	0.0	0.0	0.0	0.00	596,042.83	679,118.40
100.0	0.00	0.00	100.0	-3,412.9	0.0	0.0	0.0	0.00	596,042.83	679,118.40
200.0	0.00	0.00	200.0	-3,312.9	0.0	0.0	0.0	0.00	596,042.83	679,118.40
300.0	0.00	0.00	300.0	-3,212.9	0.0	0.0	0.0	0.00	596,042.83	679,118.40
400.0	0.00	0.00	400.0	-3,112.9	0.0	0.0	0.0	0.00	596,042.83	679,118.40
500.0	0.00	0.00	500.0	-3,012.9	0.0	0.0	0.0	0.00	596,042.83	679,118.40
600.0	0.00	0.00	600.0	-2,912.9	0.0	0.0	0.0	0.00	596,042.83	679,118.40
700.0	0.00	0.00	700.0	-2,812.9	0.0	0.0	0.0	0.00	596,042.83	679,118.40
800.0	0.00	0.00	800.0	-2,712.9	0.0	0.0	0.0	0.00	596,042.83	679,118.40
900.0	0.00	0.00	900.0	-2,612.9	0.0	0.0	0.0	0.00	596,042.83	679,118.40
1,000.0	0.00	0.00	1,000.0	-2,512.9	0.0	0.0	0.0	0.00	596,042.83	679,118.40
1,100.0	0.00	0.00	1,100.0	-2,412.9	0.0	0.0	0.0	0.00	596,042.83	679,118.40
1,200.0	0.00	0.00	1,200.0	-2,312.9	0.0	0.0	0.0	0.00	596,042.83	679,118.40
1,300.0	0.00	0.00	1,300.0	-2,212.9	0.0	0.0	0.0	0.00	596,042.83	679,118.40
1,400.0	0.00	0.00	1,400.0	-2,112.9	0.0	0.0	0.0	0.00	596,042.83	679,118.40
1,500.0	0.00	0.00	1,500.0	-2,012.9	0.0	0.0	0.0	0.00	596,042.83	679,118.40
1,600.0	0.00	0.00	1,600.0	-1,912.9	0.0	0.0	0.0	0.00	596,042.83	679,118.40
1,700.0	0.00	0.00	1,700.0	-1,812.9	0.0	0.0	0.0	0.00	596,042.83	679,118.40
1,800.0	0.00	0.00	1,800.0	-1,712.9	0.0	0.0	0.0	0.00	596,042.83	679,118.40
1,900.0	0.00	0.00	1,900.0	-1,612.9	0.0	0.0	0.0	0.00	596,042.83	679,118.40
2,000.0	0.00	0.00	2,000.0	-1,512.9	0.0	0.0	0.0	0.00	596,042.83	679,118.40
2,100.0	0.00	0.00	2,100.0	-1,412.9	0.0	0.0	0.0	0.00	596,042.83	679,118.40
2,200.0	0.00	0.00	2,200.0	-1,312.9	0.0	0.0	0.0	0.00	596,042.83	679,118.40
2,300.0	0.00	0.00	2,300.0	-1,212.9	0.0	0.0	0.0	0.00	596,042.83	679,118.40
2,400.0	0.00	0.00	2,400.0	-1,112.9	0.0	0.0	0.0	0.00	596,042.83	679,118.40
2,500.0	0.00	0.00	2,500.0	-1,012.9	0.0	0.0	0.0	0.00	596,042.83	679,118.40
2,600.0	0.00	0.00	2,600.0	-912.9	0.0	0.0	0.0	0.00	596,042.83	679,118.40



Smith International, Inc.
Pathfinder X & Y Report



Company: Devon Energy, Inc.
Project: Eddy County
Site: Vega "29" Federal
Well: #1H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

Well #1H
KB = 26 @ 3512.9usft (H&P 300)
KB = 26 @ 3512.9usft (H&P 300)
Grid
Minimum Curvature
EDM 5000.1 Single User Db

Planned Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	D Leg (°/100usft)	Northing (usft)	Easting (usft)
	2,700.0	0.00	0.00	0.00	2,700.0	-812.9	0.0	0.0	0.0	596,042.83	679,118.40
	2,800.0	0.00	0.00	0.00	2,800.0	-712.9	0.0	0.0	0.0	596,042.83	679,118.40
	2,900.0	0.00	0.00	0.00	2,900.0	-612.9	0.0	0.0	0.0	596,042.83	679,118.40
	3,000.0	0.00	0.00	0.00	3,000.0	-512.9	0.0	0.0	0.0	596,042.83	679,118.40
	3,100.0	0.00	0.00	0.00	3,100.0	-412.9	0.0	0.0	0.0	596,042.83	679,118.40
	3,200.0	0.00	0.00	0.00	3,200.0	-312.9	0.0	0.0	0.0	596,042.83	679,118.40
	3,300.0	0.00	0.00	0.00	3,300.0	-212.9	0.0	0.0	0.0	596,042.83	679,118.40
	3,400.0	0.00	0.00	0.00	3,400.0	-112.9	0.0	0.0	0.0	596,042.83	679,118.40
	3,500.0	0.00	0.00	0.00	3,500.0	-12.9	0.0	0.0	0.0	596,042.83	679,118.40
	3,600.0	0.00	0.00	0.00	3,600.0	87.1	0.0	0.0	0.0	596,042.83	679,118.40
	3,700.0	0.00	0.00	0.00	3,700.0	187.1	0.0	0.0	0.0	596,042.83	679,118.40
	3,800.0	0.00	0.00	0.00	3,800.0	287.1	0.0	0.0	0.0	596,042.83	679,118.40
	3,900.0	0.00	0.00	0.00	3,900.0	387.1	0.0	0.0	0.0	596,042.83	679,118.40
	4,000.0	0.00	0.00	0.00	4,000.0	487.1	0.0	0.0	0.0	596,042.83	679,118.40
	4,100.0	0.00	0.00	0.00	4,100.0	587.1	0.0	0.0	0.0	596,042.83	679,118.40
	4,200.0	0.00	0.00	0.00	4,200.0	687.1	0.0	0.0	0.0	596,042.83	679,118.40
	4,300.0	0.00	0.00	0.00	4,300.0	787.1	0.0	0.0	0.0	596,042.83	679,118.40
	4,400.0	0.00	0.00	0.00	4,400.0	887.1	0.0	0.0	0.0	596,042.83	679,118.40
	4,500.0	0.00	0.00	0.00	4,500.0	987.1	0.0	0.0	0.0	596,042.83	679,118.40
	4,600.0	0.00	0.00	0.00	4,600.0	1,087.1	0.0	0.0	0.0	596,042.83	679,118.40
	4,700.0	0.00	0.00	0.00	4,700.0	1,187.1	0.0	0.0	0.0	596,042.83	679,118.40
	4,800.0	0.00	0.00	0.00	4,800.0	1,287.1	0.0	0.0	0.0	596,042.83	679,118.40
	4,900.0	0.00	0.00	0.00	4,900.0	1,387.1	0.0	0.0	0.0	596,042.83	679,118.40
	5,000.0	0.00	0.00	0.00	5,000.0	1,487.1	0.0	0.0	0.0	596,042.83	679,118.40
	5,100.0	0.00	0.00	0.00	5,100.0	1,587.1	0.0	0.0	0.0	596,042.83	679,118.40
	5,200.0	0.00	0.00	0.00	5,200.0	1,687.1	0.0	0.0	0.0	596,042.83	679,118.40
	5,300.0	0.00	0.00	0.00	5,300.0	1,787.1	0.0	0.0	0.0	596,042.83	679,118.40



Smith International, Inc.
Pathfinder X & Y Report



Company: Devon Energy, Inc.
Project: Eddy County
Site: Vega "29" Federal
Well: #1H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

Well #1H
KB = 26 @ 3512.9usft (H&P 300)
KB = 26 @ 3512.9usft (H&P 300)
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Minimum Curvature
EDM 5000.1 Single User Db

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	D/Lag (°/100usft)	Northing (usft)	Easting (usft)
5,400.0	0.00	0.00	5,400.0	1,887.1	0.0	0.0	0.0	0.00	596,042.83	679,118.40
5,500.0	0.00	0.00	5,500.0	1,987.1	0.0	0.0	0.0	0.00	596,042.83	679,118.40
5,600.0	0.00	0.00	5,600.0	2,087.1	0.0	0.0	0.0	0.00	596,042.83	679,118.40
5,700.0	0.00	0.00	5,700.0	2,187.1	0.0	0.0	0.0	0.00	596,042.83	679,118.40
5,800.0	0.00	0.00	5,800.0	2,287.1	0.0	0.0	0.0	0.00	596,042.83	679,118.40
5,900.0	0.00	0.00	5,900.0	2,387.1	0.0	0.0	0.0	0.00	596,042.83	679,118.40
6,000.0	0.00	0.00	6,000.0	2,487.1	0.0	0.0	0.0	0.00	596,042.83	679,118.40
6,100.0	0.00	0.00	6,100.0	2,587.1	0.0	0.0	0.0	0.00	596,042.83	679,118.40
6,200.0	0.00	0.00	6,200.0	2,687.1	0.0	0.0	0.0	0.00	596,042.83	679,118.40
6,300.0	0.00	0.00	6,300.0	2,787.1	0.0	0.0	0.0	0.00	596,042.83	679,118.40
6,400.0	0.00	0.00	6,400.0	2,887.1	0.0	0.0	0.0	0.00	596,042.83	679,118.40
6,500.0	0.00	0.00	6,500.0	2,987.1	0.0	0.0	0.0	0.00	596,042.83	679,118.40
6,600.0	0.00	0.00	6,600.0	3,087.1	0.0	0.0	0.0	0.00	596,042.83	679,118.40
6,700.0	0.00	0.00	6,700.0	3,187.1	0.0	0.0	0.0	0.00	596,042.83	679,118.40
6,800.0	0.00	0.00	6,800.0	3,287.1	0.0	0.0	0.0	0.00	596,042.83	679,118.40
6,900.0	0.00	0.00	6,900.0	3,387.1	0.0	0.0	0.0	0.00	596,042.83	679,118.40
7,000.0	0.00	0.00	7,000.0	3,487.1	0.0	0.0	0.0	0.00	596,042.83	679,118.40
7,100.0	0.00	0.00	7,100.0	3,587.1	0.0	0.0	0.0	0.00	596,042.83	679,118.40
7,200.0	0.00	0.00	7,200.0	3,687.1	0.0	0.0	0.0	0.00	596,042.83	679,118.40
7,300.0	0.00	0.00	7,300.0	3,787.1	0.0	0.0	0.0	0.00	596,042.83	679,118.40
7,400.0	0.00	0.00	7,400.0	3,887.1	0.0	0.0	0.0	0.00	596,042.83	679,118.40
7,500.0	0.00	0.00	7,500.0	3,987.1	0.0	0.0	0.0	0.00	596,042.83	679,118.40
7,600.0	0.00	0.00	7,600.0	4,087.1	0.0	0.0	0.0	0.00	596,042.83	679,118.40
7,700.0	0.00	0.00	7,700.0	4,187.1	0.0	0.0	0.0	0.00	596,042.83	679,118.40
7,800.0	0.00	0.00	7,800.0	4,287.1	0.0	0.0	0.0	0.00	596,042.83	679,118.40
7,900.0	0.00	0.00	7,900.0	4,387.1	0.0	0.0	0.0	0.00	596,042.83	679,118.40
8,000.0	0.00	0.00	8,000.0	4,487.1	0.0	0.0	0.0	0.00	596,042.83	679,118.40



Smith International, Inc.
Pathfinder X & Y Report



Company: Devon Energy, Inc.
Project: Eddy County
Site: Vega "29" Federal
Well: #1H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

Well #1H
KB = 26 @ 3512.9ust (H&P 300)
KB = 26 @ 3512.9ust (H&P 300)
Grid
Minimum Curvature
EDM 5000.1 Single User Db

Planned Survey

MD (ust)	Inc (°)	Azi (azimuth) (°)	TVD (ust)	TVDSS (ust)	N/S (ust)	E/W (ust)	V. Sec (ust)	DLag (°/100ust)	Northing (ust)	Easting (ust)
8,100.0	0.00	0.00	8,100.0	4,587.1	0.0	0.0	0.0	0.00	596,042.83	679,118.40
8,200.0	0.00	0.00	8,200.0	4,687.1	0.0	0.0	0.0	0.00	596,042.83	679,118.40
8,300.0	0.00	0.00	8,300.0	4,787.1	0.0	0.0	0.0	0.00	596,042.83	679,118.40
8,400.0	0.00	0.00	8,400.0	4,887.1	0.0	0.0	0.0	0.00	596,042.83	679,118.40
8,472.1	0.00	0.00	8,472.1	4,959.2	0.0	0.0	0.0	0.00	596,042.83	679,118.40
8,500.0	2.79	179.59	8,500.0	4,987.1	-0.7	0.0	0.7	10.00	596,042.15	679,118.40
8,550.0	7.79	179.59	8,549.8	5,036.9	-5.3	0.0	5.3	10.00	596,037.54	679,118.44
8,600.0	12.79	179.59	8,598.9	5,086.0	-14.2	0.1	14.2	10.00	596,028.61	679,118.50
8,650.0	17.79	179.59	8,647.2	5,134.3	-27.4	0.2	27.4	10.00	596,015.43	679,118.60
8,700.0	22.79	179.59	8,694.0	5,181.1	-44.7	0.3	44.7	10.00	595,998.10	679,118.72
8,750.0	27.79	179.59	8,739.2	5,226.3	-66.1	0.5	66.1	10.00	595,976.75	679,118.87
8,800.0	32.79	179.59	8,782.4	5,269.5	-91.3	0.7	91.3	10.00	595,951.54	679,119.06
8,850.0	37.79	179.59	8,823.2	5,310.3	-120.2	0.9	120.2	10.00	595,922.66	679,119.26
8,900.0	42.79	179.59	8,861.3	5,348.4	-152.5	1.1	152.5	10.00	595,890.34	679,119.50
8,950.0	47.79	179.59	8,896.5	5,383.6	-188.0	1.4	188.0	10.00	595,854.82	679,119.75
9,000.0	52.79	179.59	8,928.4	5,415.5	-226.5	1.6	226.5	10.00	595,816.37	679,120.03
9,050.0	57.79	179.59	8,956.9	5,444.0	-267.6	1.9	267.6	10.00	595,775.28	679,120.32
9,100.0	62.79	179.59	8,981.7	5,468.8	-311.0	2.2	311.0	10.00	595,731.87	679,120.63
9,150.0	67.79	179.59	9,002.5	5,489.6	-356.4	2.6	356.4	10.00	595,686.46	679,120.96
9,200.0	72.79	179.59	9,019.4	5,506.5	-403.4	2.9	403.4	10.00	595,639.41	679,121.30
9,250.0	77.79	179.59	9,032.1	5,519.2	-451.8	3.2	451.8	10.00	595,591.06	679,121.65
9,300.0	82.79	179.59	9,040.5	5,527.6	-501.0	3.6	501.0	10.00	595,541.79	679,122.00
9,350.0	87.79	179.59	9,044.6	5,531.7	-550.8	4.0	550.9	10.00	595,491.98	679,122.36
9,368.6	89.65	179.59	9,045.0	5,532.1	-569.4	4.1	569.4	10.00	595,473.42	679,122.49
9,400.0	89.65	179.59	9,045.2	5,532.3	-600.8	4.3	600.9	0.00	595,441.99	679,122.72
9,500.0	89.65	179.59	9,045.9	5,533.0	-700.8	5.0	700.9	0.00	595,341.99	679,123.44
9,600.0	89.65	179.59	9,046.5	5,533.6	-800.8	5.8	800.9	0.00	595,242.00	679,124.15

Pathfinder
29-20



Smith International, Inc.
Pathfinder X & Y Report



Company:	Devon Energy, Inc.	Local Co-ordinate Reference:	Well #1H
Project:	Eddy County	TVD Reference:	KB = 26 @ 3512.9ust (H&P 300)
Site:	Vega "29" Federal	MD Reference:	KB = 26 @ 3512.9ust (H&P 300)
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM 5000.1 Single User Db

Planned Survey													
MD (ust)	Inc (°)	Azi (azimuth) (°)	TVD (ust)	TVDSS (ust)	N/S (ust)	EW (ust)	V Sec (ust)	DLog (°/100ust)	North (ust)	East (ust)			
9,700.0	89.65	179.59	9,047.1	5,534.2	-900.8	6.5	900.9	0.00	595,142.00	679,124.87			
9,800.0	89.65	179.59	9,047.7	5,534.8	-1,000.8	7.2	1,000.8	0.00	595,042.01	679,125.59			
9,900.0	89.65	179.59	9,048.3	5,535.4	-1,100.8	7.9	1,100.8	0.00	594,942.01	679,126.31			
10,000.0	89.65	179.59	9,048.9	5,536.0	-1,200.8	8.6	1,200.8	0.00	594,842.02	679,127.03			
10,100.0	89.65	179.59	9,049.6	5,536.7	-1,300.8	9.3	1,300.8	0.00	594,742.02	679,127.75			
10,200.0	89.65	179.59	9,050.2	5,537.3	-1,400.8	10.1	1,400.8	0.00	594,642.02	679,128.46			
10,300.0	89.65	179.59	9,050.8	5,537.9	-1,500.8	10.8	1,500.8	0.00	594,542.03	679,129.18			
10,400.0	89.65	179.59	9,051.4	5,538.5	-1,600.8	11.5	1,600.8	0.00	594,442.03	679,129.90			
10,500.0	89.65	179.59	9,052.0	5,539.1	-1,700.8	12.2	1,700.8	0.00	594,342.04	679,130.62			
10,600.0	89.65	179.59	9,052.6	5,539.7	-1,800.8	12.9	1,800.8	0.00	594,242.04	679,131.34			
10,700.0	89.65	179.59	9,053.2	5,540.3	-1,900.8	13.7	1,900.8	0.00	594,142.05	679,132.06			
10,800.0	89.65	179.59	9,053.9	5,541.0	-2,000.8	14.4	2,000.8	0.00	594,042.05	679,132.77			
10,900.0	89.65	179.59	9,054.5	5,541.6	-2,100.8	15.1	2,100.8	0.00	593,942.06	679,133.49			
11,000.0	89.65	179.59	9,055.1	5,542.2	-2,200.8	15.8	2,200.8	0.00	593,842.06	679,134.21			
11,100.0	89.65	179.59	9,055.7	5,542.8	-2,300.8	16.5	2,300.8	0.00	593,742.06	679,134.93			
11,200.0	89.65	179.59	9,056.3	5,543.4	-2,400.8	17.2	2,400.8	0.00	593,642.07	679,135.65			
11,300.0	89.65	179.59	9,056.9	5,544.0	-2,500.8	18.0	2,500.8	0.00	593,542.07	679,136.37			
11,400.0	89.65	179.59	9,057.6	5,544.7	-2,600.8	18.7	2,600.8	0.00	593,442.08	679,137.08			
11,500.0	89.65	179.59	9,058.2	5,545.3	-2,700.7	19.4	2,700.8	0.00	593,342.08	679,137.80			
11,600.0	89.65	179.59	9,058.8	5,545.9	-2,800.7	20.1	2,800.8	0.00	593,242.09	679,138.52			
11,700.0	89.65	179.59	9,059.4	5,546.5	-2,900.7	20.8	2,900.8	0.00	593,142.09	679,139.24			
11,800.0	89.65	179.59	9,060.0	5,547.1	-3,000.7	21.6	3,000.8	0.00	593,042.10	679,139.96			
11,900.0	89.65	179.59	9,060.6	5,547.7	-3,100.7	22.3	3,100.8	0.00	592,942.10	679,140.68			
12,000.0	89.65	179.59	9,061.3	5,548.4	-3,200.7	23.0	3,200.8	0.00	592,842.10	679,141.40			
12,100.0	89.65	179.59	9,061.9	5,549.0	-3,300.7	23.7	3,300.8	0.00	592,742.11	679,142.11			
12,200.0	89.65	179.59	9,062.5	5,549.6	-3,400.7	24.4	3,400.8	0.00	592,642.11	679,142.83			
12,300.0	89.65	179.59	9,063.1	5,550.2	-3,500.7	25.2	3,500.8	0.00	592,542.12	679,143.55			



Smith International, Inc.
Pathfinder X & Y Report



Company: Devon Energy, Inc.
Project: Eddy County
Site: Vega "29" Federal
Well: #1H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

Well #1H
KB = 26 @ 3512.9ust (H&P 300)
KB = 26 @ 3512.9ust (H&P 300)
Grid
Minimum Curvature
EDM 5000:1 Single User Db

Planned Survey

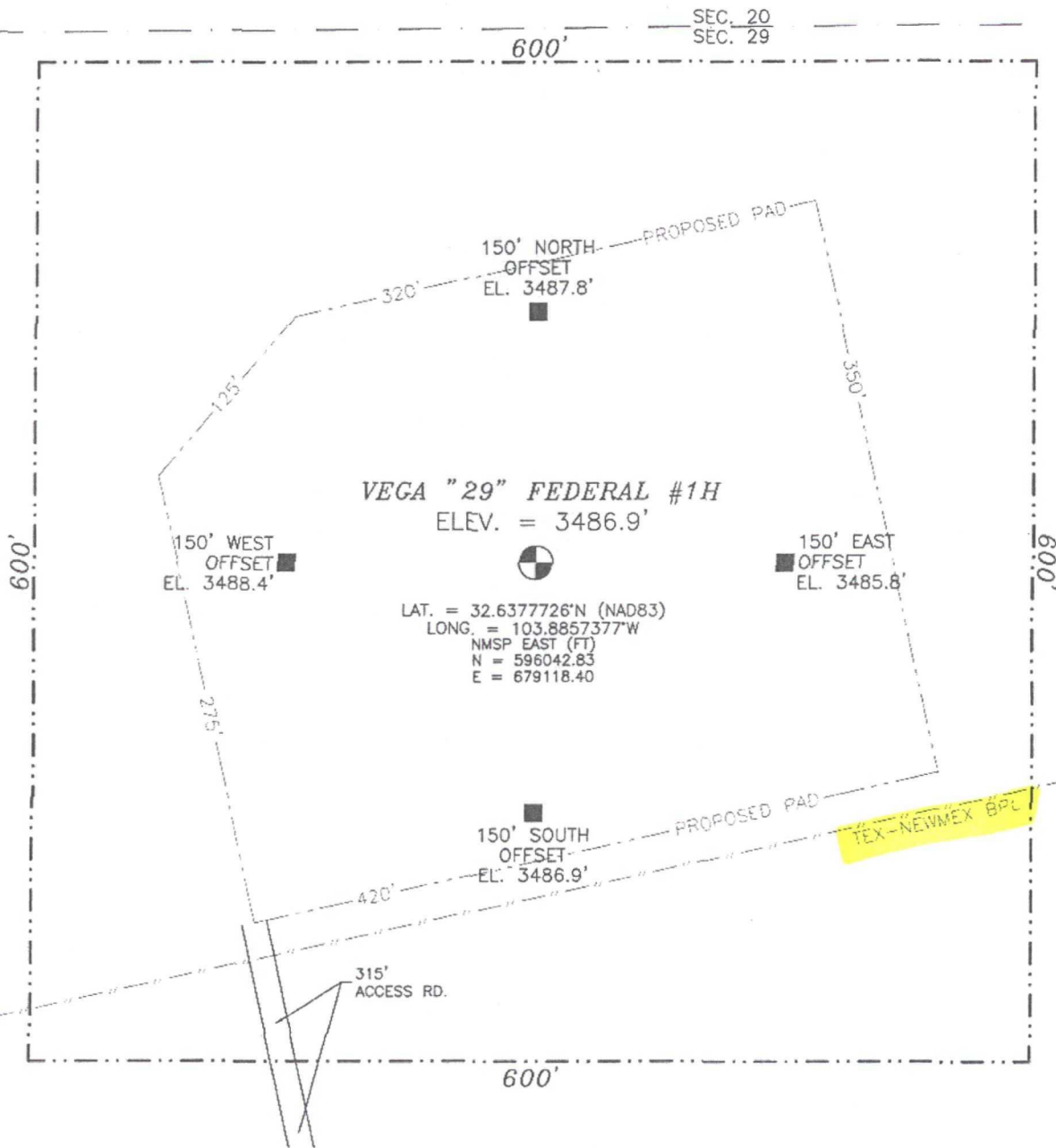
MD (ust)	Inc (°)	Azi (azimuth) (°)	TVD (ust)	TVDSS (ust)	N/S (ust)	E/W (ust)	V. Sac (ust)	D Leg (°/100ust)	Northing (ust)	Easting (ust)
12,400.0	89.65	179.59	9,063.7	5,550.8	-3,600.7	25.9	3,600.8	0.00	592,442.12	679,144.27
12,500.0	89.65	179.59	9,064.3	5,551.4	-3,700.7	26.6	3,700.8	0.00	592,342.13	679,144.99
12,600.0	89.65	179.59	9,065.0	5,552.1	-3,800.7	27.3	3,800.8	0.00	592,242.13	679,145.71
12,700.0	89.65	179.59	9,065.6	5,552.7	-3,900.7	28.0	3,900.8	0.00	592,142.14	679,146.42
12,800.0	89.65	179.59	9,066.2	5,553.3	-4,000.7	28.7	4,000.8	0.00	592,042.14	679,147.14
12,900.0	89.65	179.59	9,066.8	5,553.9	-4,100.7	29.5	4,100.8	0.00	591,942.15	679,147.86
13,000.0	89.65	179.59	9,067.4	5,554.5	-4,200.7	30.2	4,200.8	0.00	591,842.15	679,148.58
13,100.0	89.65	179.59	9,068.0	5,555.1	-4,300.7	30.9	4,300.8	0.00	591,742.15	679,149.30
13,200.0	89.65	179.59	9,068.7	5,555.8	-4,400.7	31.6	4,400.8	0.00	591,642.16	679,150.02
13,300.0	89.65	179.59	9,069.3	5,556.4	-4,500.7	32.3	4,500.8	0.00	591,542.16	679,150.73
13,400.0	89.65	179.59	9,069.9	5,557.0	-4,600.7	33.1	4,600.8	0.00	591,442.17	679,151.45
13,419.1	89.65	179.59	9,070.0	5,557.1	-4,619.8	33.2	4,619.9	0.00	591,423.05	679,151.59

Checked By: _____

Approved By: _____

Date: _____

SECTION 29, TOWNSHIP 19 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO



0 10 50 100 200

SCALE 1" = 100'
DIRECTIONS TO LOCATION

FROM PAVED CR. #222 (SHUGART) AND PAVED CR. #248 (LUSK PLANT), GO SOUTHWEST ON 222 3.65 MILES, TURN RIGHT ON CALICHE ROAD AND GO NORTH-NORTHEAST 0.8 MILES, TURN RIGHT AND GO EAST 381' TO A PROPOSED ROAD SURVEY, FOLLOW FLAGS NORTH-NORTHWEST 315' TO THE SOUTHWEST CORNER OF THE PROPOSED PAD FOR THIS LOCATION.

DEVON ENERGY PRODUCTION COMPANY, L.P.

VEGA "29" FEDERAL #1H

LOCATED 320 FT. FROM THE NORTH LINE
AND 900 FT. FROM THE EAST LINE OF
SECTION 29, TOWNSHIP 19 SOUTH,
RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

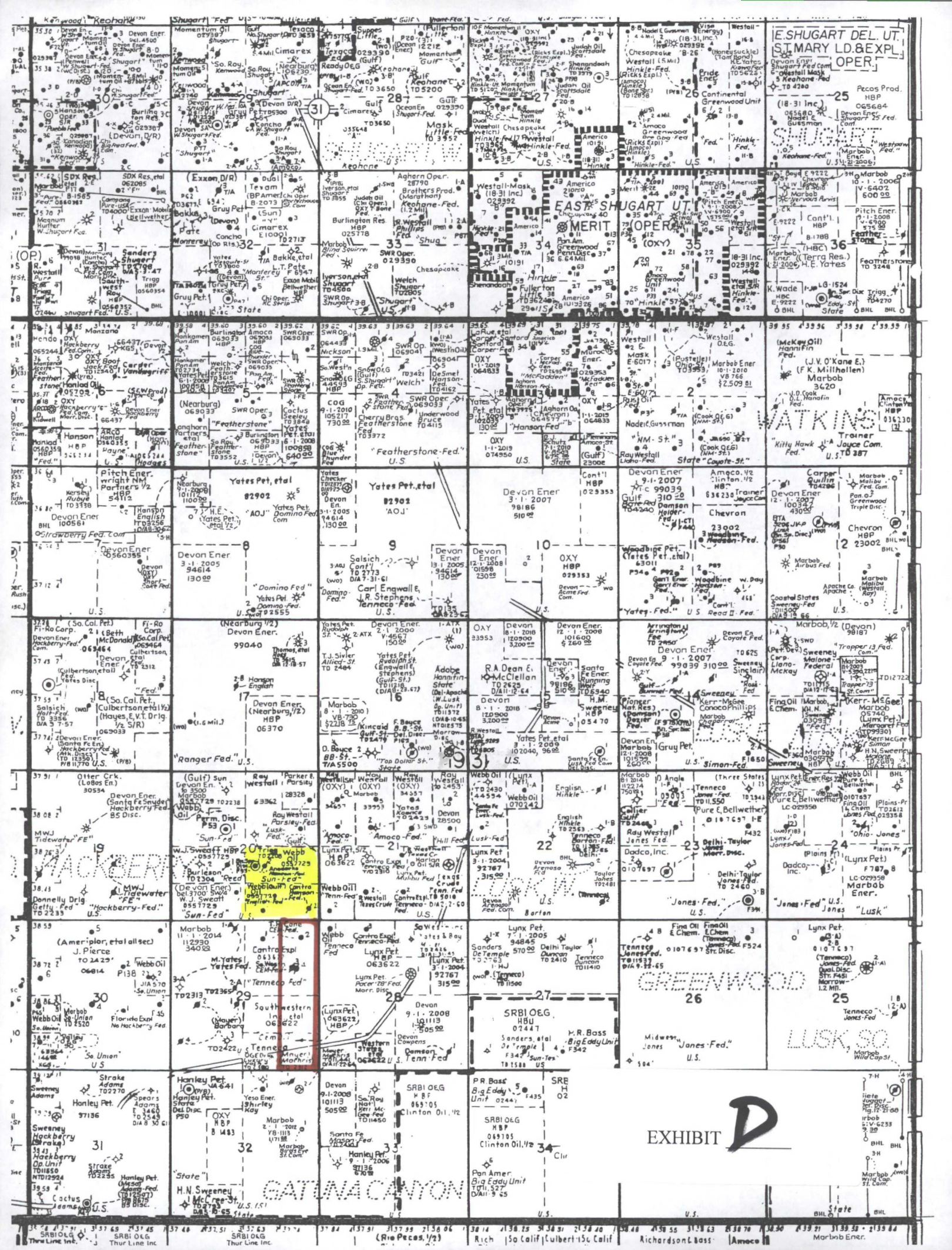
OCTOBER 11, 2011

SURVEY NO. 599

MADRON SURVEYING, INC. 30' SOUTH CANAL
(575) 867-5830

EXHIBIT

C



**DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(MASS) Serial Register Page**

Run Time: 09:58 AM

Page 1 of 3

Run Date: 12/13/2011

01 02-25-1920;041STAT0437;30USC226

Total Acres

Serial Number

Case Type 311111: O&G LSE NONCOMP PUB LAND

320.000

NMNM-- 0 557729

Commodity 459: OIL & GAS L

Case Disposition: AUTHORIZED

Serial Number: NMNM-- 0 557729

Name & Address			Int Rel	% Interest
CHAPARRAL ENERGY LLC	701 CEDAR LAKE BLVD	OKLAHOMA CITY OK 73114	OPERATING RIGHTS	0.0000000
CHASE OIL CORP	PO BOX 1767	ARTESIA NM 882111767	OPERATING RIGHTS	0.0000000
DAVE R SYLVAN TRUST	1 W 3RD #400	TULSA OK 74103	OPERATING RIGHTS	0.0000000
ENDURANCE RESOURCES LLC	15455 DALLAS PKWY STE 600	ADDISON TX 750016760	OPERATING RIGHTS	0.0000000
JAY PETROLEUM	1221 MCKINNEY #3100	HOUSTON TX 77010	OPERATING RIGHTS	0.0000000
LOTHIAN OIL INC	303 W WALL #500	MIDLAND TX 79701	OPERATING RIGHTS	0.0000000
MCBRIDE OIL & GAS CORP	PO BOX 1515	ROSWELL NM 882021515	LESSEE	100.0000000
P MCCUTCHEN TRUST	PO BOX 26900	ALBUQUERQUE NM 871256900	OPERATING RIGHTS	0.0000000
TRITEX ENERGY A LP	15455 DALLAS PKWY STE 600	ADDISON TX 750016760	OPERATING RIGHTS	0.0000000
WESTALL OIL & GAS LLC	PO BOX 4	LOCO HILLS NM 88255	OPERATING RIGHTS	0.0000000

Serial Number: NMNM-- 0 557729

Mer Twp	Rng	Sec	STyp	SNr Suff	Subdivision	District/Field Office	County	Mgmt Agency
23	0190S	0310E	020	ALIQ	NW,SE;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT

Serial Number: NMNM-- 0 557729

Act Date	Code	Action	Action Remark	Pending Office
03/05/1953	387	CASE ESTABLISHED		
04/01/1953	496	FUND CODE	05;145003	
04/01/1953	530	RLTY RATE - 12 1/2%		
04/01/1953	868	EFFECTIVE DATE		
06/23/1965	209	CASE CREATED BY SEGR	OUT OF NMNM06370;	
06/23/1965	650	HELD BY PROD - ACTUAL		
09/21/1965	102	NOTICE SENT-PROD STATUS		
11/17/1981	932	TRF OPER RGTS FILED		
08/26/1982	932	TRF OPER RGTS FILED		
04/19/1983	933	TRF OPER RGTS APPROVED	EFF 11/18/80;	
07/05/1983	933	TRF OPER RGTS APPROVED	EFF 10/01/81;	
04/05/1984	932	TRF OPER RGTS FILED	(1)	
08/05/1985	932	TRF OPER RGTS FILED	(2)	
04/08/1986	933	TRF OPER RGTS APPROVED	EFF 05/01/84;	
04/08/1986	933	TRF OPER RGTS APPROVED	EFF 09/01/85;	
04/15/1986	963	CASE MICROFILMED	CNUM 101,816	EPR
10/14/1986	932	TRF OPER RGTS FILED		
01/26/1987	933	TRF OPER RGTS APPROVED	EFF 11/01/86;	
02/25/1988	974	AUTOMATED RECORD VERIF	JAM/CS	
04/01/1988	909	BOND ACCEPTED	EFF 04/01/88;ES0128	
03/07/1990	932	TRF OPER RGTS FILED	CAP EXPL/SYLVAN D	
05/10/1990	933	TRF OPER RGTS APPROVED	EFF 04/01/90;	
05/10/1990	974	AUTOMATED RECORD VERIF	TF/MT	
02/07/1991	932	TRF OPER RGTS FILED	TRITON O&G/BRISTOL	
04/12/1991	933	TRF OPER RGTS APPROVED	EFF 03/01/91;	
04/12/1991	974	AUTOMATED RECORD VERIF	MRR/KRP	
02/05/1992	899	TRF OF ORR FILED		
02/05/1992	932	TRF OPER RGTS FILED	SUNWEST/SUNWEST	
05/04/1992	933	TRF OPER RGTS APPROVED	EFF 03/01/92;	

EXHIBIT _____

NO WARRANTY IS MADE BY BLM FOR USE OF THE DATA FOR PURPOSES NOT INTENDED BY BLM

JAMES BRUCE
ATTORNEY AT LAW

POST OFFICE BOX 1056
SANTA FE, NEW MEXICO 87504

369 MONTEZUMA, NO. 213
SANTA FE, NEW MEXICO 87501

(505) 982-2043 (Phone)
(505) 660-6612 (Cell)
(505) 982-2151 (Fax)

jamesbruc@aol.com

December 13, 2011

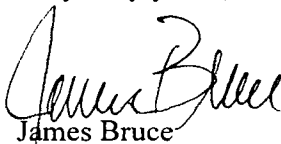
Certified Mail – Return Receipt Requested

To: Persons on Exhibit 1

Ladies and gentlemen:

Devon Energy Production Company, L.P. has filed an application with the New Mexico Oil Conservation Division requesting approval of an unorthodox oil well location in the Bone Spring formation in the E½E½ of Section 29, Township 19 South, Range 31 East, NMPM, Eddy County, New Mexico. A copy of the application is enclosed. You own an interest in the affected offsetting acreage. If you object to the application, you must notify the Division in writing no later than 20 days from the date of this letter (the Division's address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505). Failure to object will preclude you from contesting this matter at a later date.

Very truly yours,



James Bruce

Attorney for Devon Energy Production Company, L.P.

EXHIBIT

E

Exhibit 1

Chaparral Energy, LLC
701 Cedar Lake
Oklahoma City, OK 73114

COG Operating, LLC
Suite 100
550 West Texas
Midland, Texas 79701

Jay Petroleum, LLC
Suite 810
2425 West Loop
Houston, Texas 77027