AT5-12-189

OCD-ARTESIA

Form 3160-3
(February 2005)

FORM APPROVED
OMB No 1004-0137
Expires March 31, 2007 EA 347

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5 Lease Serial No.
USA NM 0107697

6 If Indian, Allotee or Tribe Name

1a. Type of work: ☑ DRILL ☐ REENTER

7 If Unit or CA Agreement, Name and No

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

8 Lease Name and Well No.
Regulus 26 Federal 1H [39114]

2 Name of Operator
Devon Energy Production Co., LP [6137]

9 API Well No.
30-015-40098

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

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

10 Field and Pool, or Exploratory
Lusk; B.S. (West) [41480]

4. Location of Well *(Report location clearly and in accordance with any State requirements *)*
At surface **NENE 380' FNL & 330' FEL Lot A**
At proposed prod zone **NWNW 400' FNL & 340' FWL Lot D**

11 Sec., T., R., M. or Blk. and Survey or Area
Sec 26-T19S-R31E

14. Distance in miles and direction from nearest town or post office*
Approximately 15 miles southeast of Loco Hills, NM.

12 County or Parish
Eddy

13 State
NM

15 Distance from proposed* location to nearest property or lease line, ft (Also to nearest drg. unit line, if any)	16 No. of acres in lease	17 Spacing Unit dedicated to this well
330'	**2321.52 acres**	**160**

18 Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft	19 Proposed Depth	20 BLM/BIA Bond No. on file
See Plat	**MTVD 9145' 13491' MD**	**PH: 9600' CO-1104 NMB000801**

21 Elevations (Show whether DF, KDB, RT, GL, etc.)	22 Approximate date work will start*	23 Estimated duration
3498.3' GL	**02/15/2012**	**45 days**

24. Attachments

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

1 Well plat certified by a registered surveyor
2 A Drilling Plan
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office)
4 Bond to cover the operations unless covered by an existing bond on file (see Item 20 above)
5. Operator certification
6. Such other site specific information and/or plans as may be required by the BLM.

25 Signature	Name *(Printed/Typed)*	Date
	Stephanie A. Ysasaga	**12/09/2011**

Title: **Sr. Staff Engineering Technician**

Approved by *(Signature)*	Name *(Printed/Typed)*	Date
/s/ James A. Amos		MAR 19 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

*(Instructions on page 2)

Capitan Controlled Water Basin

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

RECEIVED
MAR 22 2012
NMOCD ARTESIA

Approval Subject to General Requirements & Special Stipulations Attached

Operators Representative:

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

Steven Jones
Operations Engineer Advisor

Devon Energy Production Company, L.P.
20 North Broadway, Suite 1500
Oklahoma City, OK 73102-8260

(405) 552-7994 (office)
(405) 596-8041 (cell)

Don Mayberry
Superintendent

Devon Energy Production Company, L.P.
Post Office Box 250
Artesia, NM 88211-0250

(505) 748-0164 (office)
(505) 748-5235 (cell)

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 December, 2011.
Printed Name: Stephanie A. Ysasaga
Signed Name: _____
Position Title: Sr. Staff Engineering Technician
Address: 20 North Broadway, OKC OK 73102
Telephone: (405)-552-7802
Field Representative (if not above signatory): Don Mayberry (see above)
Address (if different from above):
Telephone (if different from above):
E-mail (optional):

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

RECEIVED
MAR 22 2012
NMOCD ARTESIA

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
30-015-40098	41480	LUSK; B.S., WEST

4 Property Code	5 Property Name	6 Well Number
39114	REGULUS "26" FEDERAL	1H

7 OGRID No.	8 Operator Name	9 Elevation
6137	DEVON ENERGY PRODUCTION COMPANY, L.P.	3498.3

10 Surface Location

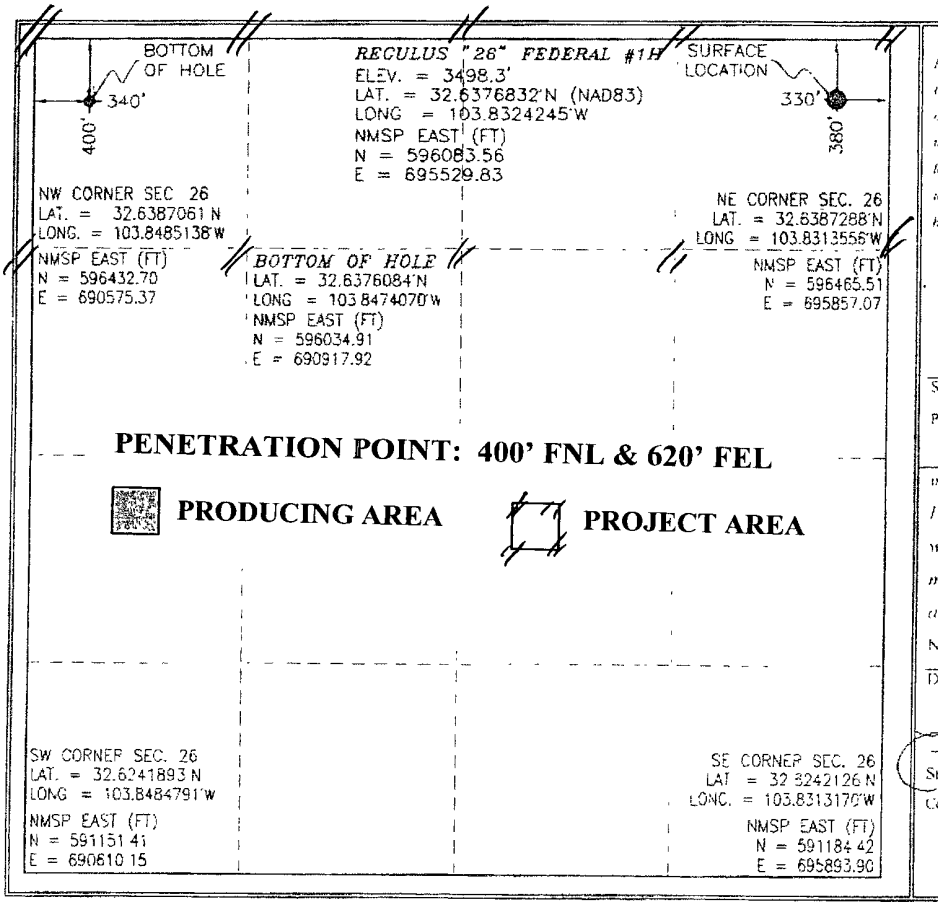
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	26	19 S	31 E		380	NORTH	330	EAST	EDDY

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
D	26	19 S	31 E		400	NORTH	340	WEST	EDDY

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

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



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: [signature] Date: 11/15/2011

Printed Name: STEPHANIE A. YSASAGA

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.

NOVEMBER 4, 2011

Date of Survey

Signature and Seal of Professional Surveyor: [signature]

Certificate Number: FILIMON F. JARAMILLO PLS 12797

FILIMON F. JARAMILLO — NEW MEXICO — REGISTERED LAND SURVEYOR — SURVEY NO. 605

DRILLING PROGRAM

Devon Energy Production Company, LP
Regulus 26 Federal Com 1H
Surface Location: 380' FNL & 330' FEL, Unit A, Sec 26 T19S R31E, Eddy, NM
Bottom hole Location: 400' FNL & 340' FWL, Unit D, Sec 26 T19S R31E, 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.	Quaternary Alluvium	140'	Fresh Water
b.	Rustler	765'	Barren
c.	Salado	1045'	Barren
d.	Base Salado	2215'	Barren
e.	Tansil Dolomite	2290'	Barren
f.	Yates	2395'	Barren
g.	Seven Rivers	2590'	Barren
h.	Capitan	2705'	Barren
i.	B/Capitan	4385'	Barren
j.	Delaware	4585'	Oil
k.	Bone Springs	7085'	Oil
l.	1st Bone Spring Ss	8365'	Oil
m.	2nd Bone Spring Lime	8685'	Oil
n.	2nd Bone Spring Ss	9075'	Oil
o.	2nd Bone Spring Upr Ss	9140'	Oil
p.	2nd Bone Spring Upr Ss Base	9250'	Oil
q.	2nd Bone Spring Middle Ss	9265'	Oil
r.	2nd Bone Spring Middle Ss Base	9350'	Oil
s.	3rd Bone Spring Lm	9485'	Oil
t.	3rd Bone Spring Ss	9895'	Oil
u.	Pilot Hole	9600'	
v.	Total Depth	TVD 9145' MD 13491'	

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 20" casing at 800' and circulating cement back to surface. The fresh water sands will be protected by setting 13 3/8" casing at 2600' and 9 5/8" at ~~4500~~' and circulating cement to surface. The Delaware intervals will be isolated by setting 5 ½" casing to total depth and circulating cement above the base of the 9 5/8" casing. All casing is new and API approved.

NOTE: THIS WELL WILL BE DRILLED WITH A PILOT HOLE (PH)

3. **Casing Program:**

Hole Size	Hole Interval	OD Csg	Casing Interval	Weight	Collar	Grade
26"	0' -800'	20"	0'- 800'	94#	BTC	J/K-55
17 1/2"	0'-2600'	13 3/8"	0'-2600'	68#	BTC	J/K-55
see COA 12 ¼"	2600'-~~4500'~~ 4450	9 5/8"	0'-~~4500'~~ 4450	40#	LTC	J-55
8 ¾"	~~4500'~~–8300'	5 ½"	0'-8300'	17#	LTC	HCP-110
8 ¾"	8300'- 13491'	5 ½"	8300'-13491'	17#	BTC	HCP-110

Max TVD: 9,145'.

An 8-3/4" pilot hole will be drilled to 9,600' MD, and plugged back to KOP with 450 sacks, Class H, 15.6 ppg, 1.16 cf/sk cement.

Design Parameter Factors:

Casing Size	Collapse Design Factor	Burst Design Factor	Tension Design Factor
20"	2.46	10.01	31.42
13 3/8"	1.44	2.55	3.82
9 5/8" 40# J-55 LTC	1.25	1.92	2.95
5 1/2" 17# HCP-110 LTC	1.64	2.02	1.55
5 ½" 17# HCP-110 BTC	1.84	2.27	5.22

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. The pore pressure is estimated to be 9.0 ppg for this calculation. This results in a collapse design factor of 1.22 for 9-5/8" 40# J-55 LT&C casing at a depth of 4,500 ft. While running the intermediate casing, the casing will never be completely evacuated. There is no potential for the intermediate casing to be used as a production string.

4. **Cement Program: (Note: All cement volumes are calculated with 25% excesses.)**

a. 20" Surface

Lead: 1200 sacks Class C Cement + 1% bwoc Calcium Chloride + 0.125 lbs/sack Cello Flake + 4% bwoc Bentonite + 81% Fresh Water, 13.5 ppg. **Yield:** 1.73 cf/sk

Tail: 300 sacks Class C Cement + 2% bwoc Calcium Chloride + 0.125 lbs/sack Cello Flake + 56% Fresh Water, 14.8 ppg. **Yield:** 1.35 cf/sk. **TOC @ surface.**

b. 13 3/8" Surface

Lead: 1800 sacks (60:40) Poz Class C Cement + 5% bwoc Calcium Chloride + 0.125 lbs/sack Cello Flake + 4% bwoc Bentonite + 89% Fresh Water, 12.6 ppg. **Yield:** 1.75 cf/sk

Tail: 450 sacks (60:40) Class C Cement + 5% bwoc Calcium Chloride + 0.125 lbs/sack Cello Flake + 66% Fresh Water, 13.8 ppg. **Yield:** 1.38 cf/sk.. **TOC @ surface.**

c. 9 5/8" Intermediate

1st Stage
Lead: 600 sacks (60:40) Poz (Fly Ash):Class C Cement + 5% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 6% bwoc Bentonite + 90% Fresh Water, 12.6 ppg. Yield: 1.73 cf/sk

Tail: 300 sacks (60:40) Poz Class C Cement + 5% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 0.4% bwoc Sodium Metasilicate + 4% bwoc MPA-5 + 66% Water, 13.8 ppg. Yield: 1.38 cf/sk. **TOC @ surface**

DV tool and ECP at 2,650' (approx 50' above the reef top)

2nd Stage
Lead: 700 sacks (60:40) Poz (Fly Ash):Class C Cement + 5% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 6 bwoc Bentonite + 90% Fresh Water, 12.6 ppg. Yield: 1.73 cf/sk.

Tail: 200 sacks (60:40)Poz Class C Cement + 5% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 0.4% bwoc Sodium Metasilicate + 4% bwoc MPA-5 + 66% Water, 13.8 ppg. Yield: 1.38 cf/sk. **TOC @ surface**

c. 5 ½" Production

1st Stage
Lead: 900 sacks (35:65) Class H Cement + 5% bwow Sodium Chloride + 0.3% bwoc CD-32 + 0.5% bwoc FL-25 + 2% bwoc Bentonite + 0.6% bwoc Sodium Metasilicate + 0.5% bwoc FL-52A + 102.5% Fresh Water, 12.5 ppg. **Yield**: 2.00 cf/sk

Tail: 1,200 sacks (50:50) Poz Class H Cement + 1% bwow Sodium Chloride + 0.2% bwoc R-3 + 0.125 lbs/sack Cello Flake + 0.5% bwoc BA-10A + 4% bwoc MPA-5 + 58.3% Fresh Water, 14.2 ppg. **Yield**: 1.28 cf/sk

DV TOOL at ~5,000 ft

2nd Stage
Lead: 400 sacks Class C Cement + 1% bwow Calcium Chloride + 0.125 lbs/sack Cello Flake + 157.8% Fresh Water, 11.4 ppg. **Yield**: 2.88 cf/sk

Tail: 200 sacks (60:40) Poz Class C + 1% bwow Sodium Chloride + 0.2% bwoc R-3 + 0.125 lbs/sack Cello Flake + 0.5% bwoc BA-10A +

4 bwoc MPA-5 + 63.2% Fresh Water, 13.8 ppg. **Yield**: 1.38 cf/sk.
TOC @ 2,500' (approx 200' above reef top)

TOC for All Strings:

Surface:	0'
Intermediate 1:	0'
Intermediate 2:	0'
Production:	2,500' (approx 200' above reef top)

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

5. **Pressure Control Equipment:** The BOP system used to drill the **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 Triple Ram and Annular preventer.** The BOP system will be tested as per BLM Onshore Oil and Gas Order No. 2 as a 3M system prior to drilling out the casing shoe.

The pipe rams will be operated and checked as per Onshore Order No 2. A 2" kill line and 3" choke line will be incorporated into the drilling spool below the ram BOP. In addition to the rams and annular preventer, additional BOP accessories include a kelly cock, floor safety valve, choke lines, and choke manifold rated at **3,000 psi WP**.

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

6. **Proposed Mud Circulation System**

Depth	Mud Wt.	Visc	Fluid Loss	Type System
0' – 800'	8.4-9.0	30-34	N/C	Fresh Water
800'– 2600'	9.8-10.0	28-32	N/C	Brine
2600'-4500' 4450	8.4-9.0	28-30	N/C	Fresh Water
4500'–13491'	8.6-9.0	28-32	N/C-12	Fresh Water

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

7. **Auxiliary Well Control and Monitoring Equipment:**
   a. 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.
   c. Hydrogen Sulfide detection equipment will be in operation after drilling out the 13 3/8" casing shoe until the 5 1/2" casing is cemented. Breathing equipment will be on location upon drilling the 13 3/8" shoe until total depth is reached.

8. **Logging, Coring, and Testing Program:** See COA
   a. Drill stem tests will be based on geological sample shows.

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

9. Potential Hazards:

a. No abnormal pressures or temperatures are expected. There is no known presence of H2S in this area. If H2S is encountered the operator will comply with the provisions of Onshore Oil and Gas Order No. 6. Possible 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 3800 psi and Estimated BHT 140°. No H2S is anticipated to be encountered.

10. Anticipated Starting Date and Duration of Operations:

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

devon

Devon Energy, Inc.

Eddy County
Regulus "26" Federal
#1H
OH

Plan: Plan #1

Pathfinder X & Y Report

07 December, 2011

PATHFINDER®
A Schlumberger Company

Company:	Devon Energy, Inc.	**Local Co-ordinate Reference:**	Well #1H
Project:	Eddy County	**TVD Reference:**	KB = 26 @ 3524.3usft (H&P 300)
Site:	Regulus "26" Federal	**MD Reference:**	KB = 26 @ 3524.3usft (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

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

Site Regulus "26" Federal

Site Position:		**Northing:**	596,083.560 usft	**Latitude:**	32° 38' 15.660 N
From:	Map	**Easting:**	695,529.830 usft	**Longitude:**	103° 49' 56.728 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.27 °

Well #1H

Well Position	**+N/-S**	0.0 usft	**Northing:**	596,083.560 usft	**Latitude:**	32° 38' 15.660 N
	+E/-W	0.0 usft	**Easting:**	695,529.830 usft	**Longitude:**	103° 49' 56.728 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,498.3 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/7/2011	7.67	60.54	48,826

Design Plan #1

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	269.40

Survey Tool Program Date 12/7/2011

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	13,491.3	Plan #1 (OH)	Pathfinder	Pathfinder MWD

Company:	Devon Energy, Inc.	Local Co-ordinate Reference:	Well #1H
Project:	Eddy County	TVD Reference:	KB = 26 @ 3524.3usft (H&P 300)
Site:	Regulus "26" Federal	MD Reference:	KB = 26 @ 3524.3usft (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)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
0.0	0.00	0.00	0.0	-3,524.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83
100.0	0.00	0.00	100.0	-3,424.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83
200.0	0.00	0.00	200.0	-3,324.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83
300.0	0.00	0.00	300.0	-3,224.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83
400.0	0.00	0.00	400.0	-3,124.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83
500.0	0.00	0.00	500.0	-3,024.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83
600.0	0.00	0.00	600.0	-2,924.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83
700.0	0.00	0.00	700.0	-2,824.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83
800.0	0.00	0.00	800.0	-2,724.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83
900.0	0.00	0.00	900.0	-2,624.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83
1,000.0	0.00	0.00	1,000.0	-2,524.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83
1,100.0	0.00	0.00	1,100.0	-2,424.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83
1,200.0	0.00	0.00	1,200.0	-2,324.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83
1,300.0	0.00	0.00	1,300.0	-2,224.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83
1,400.0	0.00	0.00	1,400.0	-2,124.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83
1,500.0	0.00	0.00	1,500.0	-2,024.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83
1,600.0	0.00	0.00	1,600.0	-1,924.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83
1,700.0	0.00	0.00	1,700.0	-1,824.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83
1,800.0	0.00	0.00	1,800.0	-1,724.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83
1,900.0	0.00	0.00	1,900.0	-1,624.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83
2,000.0	0.00	0.00	2,000.0	-1,524.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83
2,100.0	0.00	0.00	2,100.0	-1,424.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83
2,200.0	0.00	0.00	2,200.0	-1,324.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83
2,300.0	0.00	0.00	2,300.0	-1,224.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83
2,400.0	0.00	0.00	2,400.0	-1,124.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83
2,500.0	0.00	0.00	2,500.0	-1,024.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83
2,600.0	0.00	0.00	2,600.0	-924.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83

Company:	Devon Energy, Inc.	Local Co-ordinate Reference:	Well #1H
Project:	Eddy County	TVD Reference:	KB = 26 @ 3524.3usft (H&P 300)
Site:	Regulus "26" Federal	MD Reference:	KB = 26 @ 3524.3usft (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)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
2,700.0	0.00	0.00	2,700.0	-824.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83
2,800.0	0.00	0.00	2,800.0	-724.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83
2,900.0	0.00	0.00	2,900.0	-624.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83
3,000.0	0.00	0.00	3,000.0	-524.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83
3,100.0	0.00	0.00	3,100.0	-424.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83
3,200.0	0.00	0.00	3,200.0	-324.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83
3,300.0	0.00	0.00	3,300.0	-224.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83
3,400.0	0.00	0.00	3,400.0	-124.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83
3,500.0	0.00	0.00	3,500.0	-24.3	0.0	0.0	0.0	0.00	596,083.56	695,529.83
3,600.0	0.00	0.00	3,600.0	75.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
3,700.0	0.00	0.00	3,700.0	175.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
3,800.0	0.00	0.00	3,800.0	275.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
3,900.0	0.00	0.00	3,900.0	375.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
4,000.0	0.00	0.00	4,000.0	475.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
4,100.0	0.00	0.00	4,100.0	575.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
4,200.0	0.00	0.00	4,200.0	675.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
4,300.0	0.00	0.00	4,300.0	775.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
4,400.0	0.00	0.00	4,400.0	875.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
4,500.0	0.00	0.00	4,500.0	975.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
4,600.0	0.00	0.00	4,600.0	1,075.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
4,700.0	0.00	0.00	4,700.0	1,175.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
4,800.0	0.00	0.00	4,800.0	1,275.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
4,900.0	0.00	0.00	4,900.0	1,375.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
5,000.0	0.00	0.00	5,000.0	1,475.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
5,100.0	0.00	0.00	5,100.0	1,575.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
5,200.0	0.00	0.00	5,200.0	1,675.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
5,300.0	0.00	0.00	5,300.0	1,775.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83

Company:	Devon Energy, Inc.	**Local Co-ordinate Reference:**	Well #1H
Project:	Eddy County	**TVD Reference:**	KB = 26 @ 3524.3usft (H&P 300)
Site:	Regulus "26" Federal	**MD Reference:**	KB = 26 @ 3524.3usft (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)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
5,400.0	0.00	0.00	5,400.0	1,875.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
5,500.0	0.00	0.00	5,500.0	1,975.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
5,600.0	0.00	0.00	5,600.0	2,075.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
5,700.0	0.00	0.00	5,700.0	2,175.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
5,800.0	0.00	0.00	5,800.0	2,275.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
5,900.0	0.00	0.00	5,900.0	2,375.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
6,000.0	0.00	0.00	6,000.0	2,475.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
6,100.0	0.00	0.00	6,100.0	2,575.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
6,200.0	0.00	0.00	6,200.0	2,675.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
6,300.0	0.00	0.00	6,300.0	2,775.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
6,400.0	0.00	0.00	6,400.0	2,875.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
6,500.0	0.00	0.00	6,500.0	2,975.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
6,600.0	0.00	0.00	6,600.0	3,075.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
6,700.0	0.00	0.00	6,700.0	3,175.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
6,800.0	0.00	0.00	6,800.0	3,275.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
6,900.0	0.00	0.00	6,900.0	3,375.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
7,000.0	0.00	0.00	7,000.0	3,475.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
7,100.0	0.00	0.00	7,100.0	3,575.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
7,200.0	0.00	0.00	7,200.0	3,675.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
7,300.0	0.00	0.00	7,300.0	3,775.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
7,400.0	0.00	0.00	7,400.0	3,875.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
7,500.0	0.00	0.00	7,500.0	3,975.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
7,600.0	0.00	0.00	7,600.0	4,075.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
7,700.0	0.00	0.00	7,700.0	4,175.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
7,800.0	0.00	0.00	7,800.0	4,275.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
7,900.0	0.00	0.00	7,900.0	4,375.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
8,000.0	0.00	0.00	8,000.0	4,475.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83

Company:	Devon Energy, Inc.	Local Co-ordinate Reference:	Well #1H
Project:	Eddy County	TVD Reference:	KB = 26 @ 3524.3usft (H&P 300)
Site:	Regulus "26" Federal	MD Reference:	KB = 26 @ 3524.3usft (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)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
8,100.0	0.00	0.00	8,100.0	4,575.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
8,200.0	0.00	0.00	8,200.0	4,675.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
8,300.0	0.00	0.00	8,300.0	4,775.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
8,400.0	0.00	0.00	8,400.0	4,875.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
8,500.0	0.00	0.00	8,500.0	4,975.7	0.0	0 0	0.0	0.00	596,083.56	695,529.83
8,552.0	0.00	0.00	8,552.0	5,027.7	0.0	0.0	0.0	0.00	596,083.56	695,529.83
8,600.0	4.80	269.40	8,599.9	5,075.6	0.0	-2.0	2.0	10.00	596,083.54	695,527.82
8,650.0	9.80	269.40	8,649.5	5,125.2	-0.1	-8.4	8.4	10.00	596,083.47	695,521.47
8,700.0	14.80	269.40	8,698.4	5,174.1	-0.2	-19.0	19.0	10.00	596,083.36	695,510.82
8,750.0	19.80	269.40	8,746.1	5,221.8	-0.4	-33.9	33.9	10.00	596,083.20	695,495.96
8,800.0	24.80	269.40	8,792.3	5,268.0	-0.6	-52.8	52.8	10.00	596,083.00	695,476.99
8,850.0	29.80	269.40	8,836.7	5,312.4	-0.8	-75.8	75.8	10.00	596,082.76	695,454.07
8,900.0	34.80	269.40	8,879.0	5,354.7	-1.1	-102.5	102.5	10.00	596,082.48	695,427.36
8,950.0	39.80	269.40	8,918.8	5,394.5	-1.4	-132.8	132.8	10.00	596,082.16	695,397.07
9,000 0	44.80	269.40	8,955.7	5,431.4	-1.8	-166.4	166.4	10.00	596,081.80	695,363.44
9,050.0	49.80	269.40	8,989.6	5,465.3	-2.1	-203.1	203.1	10.00	596,081.42	695,326.70
9,100.0	54.80	269.40	9,020.2	5,495.9	-2.6	-242.7	242.7	10.00	596,081.00	695,287.16
9,150.0	59.80	269.40	9,047.2	5,522.9	-3.0	-284.7	284.7	10.00	596,080.56	695,245.10
9,200.0	64.80	269.40	9,070.4	5,546.1	-3.5	-329.0	329.0	10.00	596,080.09	695,200.84
9,250.0	69.80	269.40	9,089.7	5,565.4	-4.0	-375.1	375.1	10.00	596,079.60	695,154.73
9,300.0	74.80	269.40	9,104.9	5,580.6	-4.5	-422.7	422.7	10.00	596,079.10	695,107.12
9,350.0	79.80	269.40	9,115.9	5,591.6	-5.0	-471.5	471.5	10.00	596,078.59	695,058.36
9,400.0	84.80	269.40	9,122.6	5,598.3	-5.5	-521.0	521.0	10.00	596,078.06	695,008.83
9,449.2	89.72	269.40	9,125.0	5,600.7	-6.0	-570.1	570.1	10.00	596,077.55	694,959.75
9,500.0	89.72	269.40	9,125.2	5,600.9	-6.5	-620.9	621.0	0.00	596,077.01	694,908.91
9,600.0	89.72	269.40	9,125.7	5,601.4	-7.6	-720.9	721:0	0.00	596,075.96	694,808.91
9,700.0	89.72	269.40	9,126.2	5,601.9	-8.7	-820.9	821.0	0.00	596,074.90	694,708.92

Company:	Devon Energy, Inc.	**Local Co-ordinate Reference:**	Well #1H
Project:	Eddy County	**TVD Reference:**	KB = 26 @ 3524.3usft (H&P 300)
Site:	Regulus "26" Federal	**MD Reference:**	KB = 26 @ 3524.3usft (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)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
9,800.0	89.72	269.40	9,126.7	5,602.4	-9.7	-920.9	921.0	0.00	596,073.85	694,608.93
9,900.0	89.72	269.40	9,127.2	5,602.9	-10.8	-1,020.9	1,021.0	0.00	596,072.79	694,508.93
10,000.0	89.72	269.40	9,127.7	5,603.4	-11.8	-1,120.9	1,121.0	0.00	596,071.74	694,408.94
10,100.0	89.72	269.40	9,128.2	5,603.9	-12.9	-1,220.9	1,220.9	0.00	596,070.68	694,308.95
10,200.0	89.72	269.40	9,128 7	5,604.4	-13.9	-1,320.9	1,320.9	0.00	596,069.63	694,208.95
10,300.0	89.72	269.40	9,129.2	5,604.9	-15.0	-1,420.9	1,420.9	0.00	596,068.57	694,108.96
10,400.0	89.72	269.40	9,129.7	5,605.4	-16.0	-1,520.9	1,520.9	0.00	596,067.52	694,008.97
10,500.0	89.72	269.40	9,130.2	5,605.9	-17.1	-1,620.9	1,620.9	0.00	596,066.46	693,908.98
10,600.0	89.72	269.40	9,130.7	5,606.4	-18.2	-1,720.8	1,720.9	0.00	596,065.41	693,808.98
10,700.0	89.72	269.40	9,131.2	5,606.9	-19.2	-1,820.8	1,820.9	0.00	596,064.35	693,708.99
10,800.0	89.72	269.40	9,131.7	5,607.4	-20.3	-1,920.8	1,920.9	0.00	596,063.30	693,609.00
10,900.0	89.72	269.40	9,132.1	5,607.8	-21.3	-2,020.8	2,020.9	0.00	596,062.24	693,509.00
11,000.0	89.72	269.40	9,132.6	5,608.3	-22.4	-2,120.8	2,120.9	0.00	596,061.19	693,409.01
11,100.0	89.72	269.40	9,133.1	5,608.8	-23.4	-2,220.8	2,220.9	0.00	596,060.13	693,309.02
11,200.0	89.72	269.40	9,133.6	5,609.3	-24.5	-2,320.8	2,320.9	0.00	596,059.08	693,209.02
11,300.0	89.72	269.40	9,134.1	5,609.8	-25.5	-2,420.8	2,420.9	0.00	596,058.02	693,109.03
11,400.0	89.72	269.40	9,134.6	5,610.3	-26.6	-2,520.8	2,520.9	0.00	596,056.97	693,009.04
11,500.0	89.72	269.40	9,135.1	5,610.8	-27.6	-2,620.8	2,620.9	0.00	596,055.91	692,909.04
11,600.0	89.72	269.40	9,135.6	5,611.3	-28.7	-2,720.8	2,720.9	0.00	596,054.86	692,809.05
11,700.0	89.72	269.40	9,136.1	5,611.8	-29 8	-2,820.8	2,820.9	0.00	596,053.80	692,709.06
11,800.0	89.72	269.40	9,136.6	5,612.3	-30.8	-2,920.8	2,920.9	0.00	596,052.75	692,609.06
11,900.0	89.72	269.40	9,137.1	5,612.8	-31.9	-3,020.8	3,020.9	0.00	596,051.69	692,509.07
12,000.0	89.72	269.40	9,137.6	5,613.3	-32.9	-3,120.8	3,120.9	0.00	596,050.64	692,409.08
12,100.0	89.72	269.40	9,138.1	5,613.8	-34.0	-3,220.7	3,220.9	0.00	596,049.59	692,309.08
12,200.0	89.72	269.40	9,138.6	5,614.3	-35.0	-3,320.7	3,320.9	0.00	596,048.53	692,209.09
12,300.0	89.72	269.40	9,139.1	5,614.8	-36.1	-3,420.7	3,420.9	0.00	596,047.48	692,109.10
12,400.0	89.72	269.40	9,139.6	5,615.3	-37.1	-3,520.7	3,520.9	0.00	596,046.42	692,009.10

Company:	Devon Energy, Inc.	**Local Co-ordinate Reference:**	Well #1H
Project:	Eddy County	**TVD Reference:**	KB = 26 @ 3524.3usft (H&P 300)
Site:	Regulus "26" Federal	**MD Reference:**	KB = 26 @ 3524.3usft (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)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
12,500.0	89.72	269.40	9,140.1	5,615.8	-38.2	-3,620.7	3,620.9	0.00	596,045.37	691,909.11
12,600.0	89.72	269.40	9,140.6	5,616.3	-39.2	-3,720.7	3,720.9	0.00	596,044.31	691,809.12
12,700.0	89.72	269.40	9,141.1	5,616.8	-40.3	-3,820.7	3,820.9	0.00	596,043.26	691,709.12
12,800.0	89.72	269.40	9,141.6	5,617.3	-41.4	-3,920.7	3,920.9	0.00	596,042.20	691,609.13
12,900.0	89.72	269.40	9,142.1	5,617.8	-42.4	-4,020.7	4,020.9	0.00	596,041.15	691,509.14
13,000.0	89.72	269.40	9,142.6	5,618.3	-43.5	-4,120.7	4,120.9	0.00	596,040.09	691,409.15
13,100.0	89.72	269.40	9,143.1	5,618.8	-44.5	-4,220.7	4,220.9	0.00	596,039.04	691,309.15
13,200.0	89.72	269.40	9,143.6	5,619.3	-45.6	-4,320.7	4,320.9	0.00	596,037.98	691,209.16
13,300.0	89.72	269.40	9,144.1	5,619.8	-46.6	-4,420.7	4,420.9	0.00	596,036.93	691,109.17
13,400.0	89.72	269.40	9,144.5	5,620.2	-47.7	-4,520.7	4,520.9	0.00	596,035.87	691,009.17
13,491.3	89.72	269.40	9,145.0	5,620.7	-48.7	-4,611.9	4,612.2	0.00	596,034.91	690,917.92

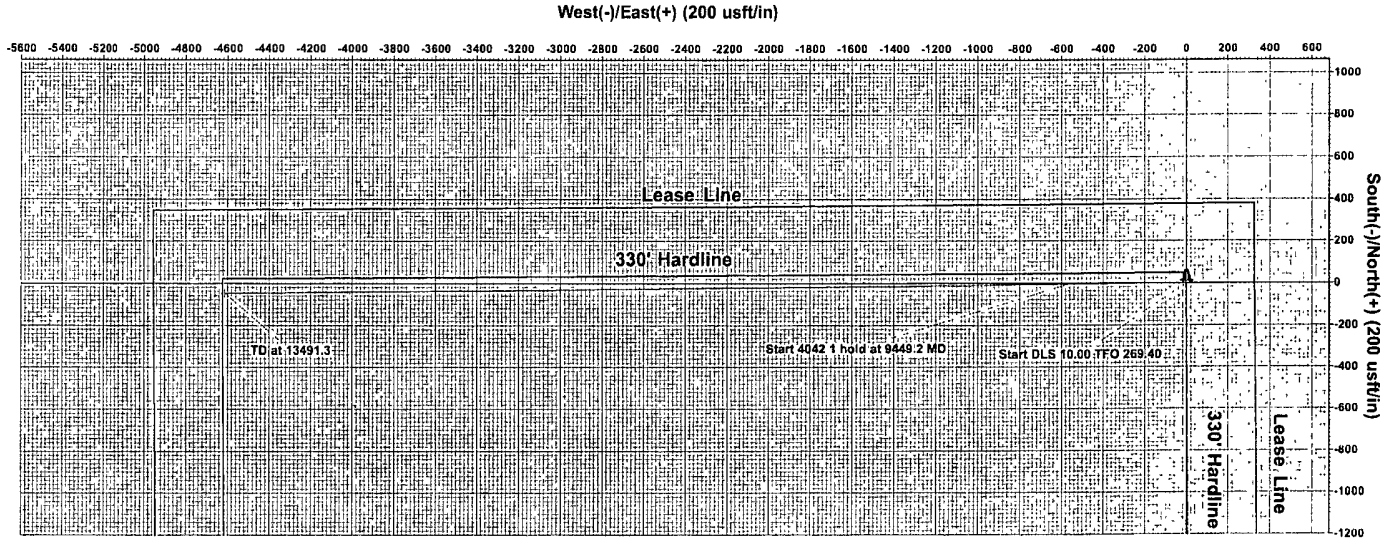
Checked By: _____ Approved By: _____ Date: _____

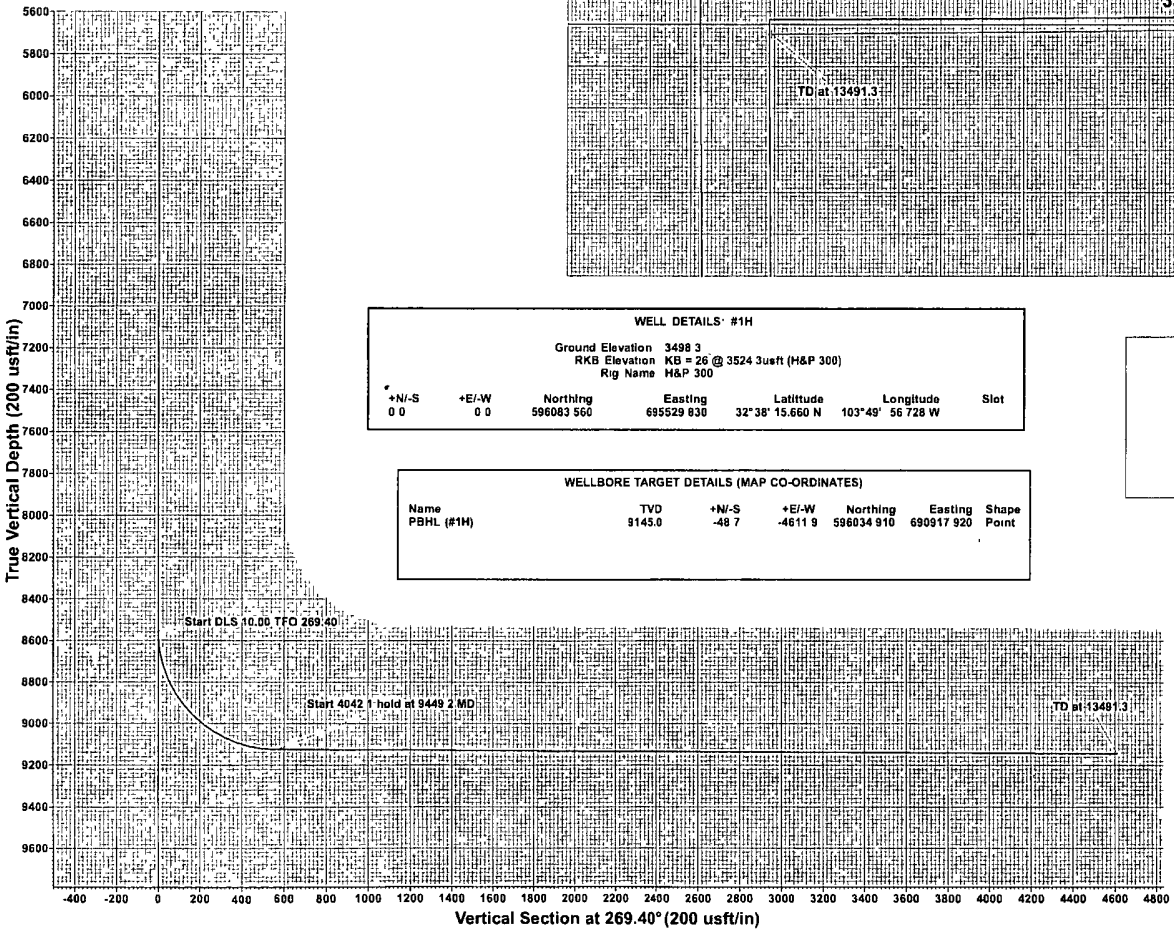
devon

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

PATHFINDER®
A Schlumberger Company

Project: Eddy County
Site: Regulus "26" Federal
Well: #1H
Wellbore: OH
Plan: Plan #1 (#1H/OH)





WELL DETAILS: #1H

Ground Elevation 3498.3
RKB Elevation KB = 26 @ 3524.3usft (H&P 300)
Rig Name H&P 300

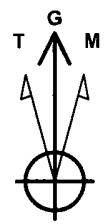
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	596083.560	695529.830	32° 38' 15.660 N	103° 49' 56.728 W	

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL (#1H)	9145.0	-48.7	-4611.9	596034.910	690917.920	Point

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	8552.0	0.00	0.00	8552.0	0.0	0.0	0.00	0.00	0.0	
3	9449.2	89.72	269.40	9125.0	-6.0	-570.1	10.00	269.40	570.1	
4	13491.3	89.72	269.40	9145.0	-48.7	-4611.9	0.00	0.00	4612.2	PBHL (#1H)

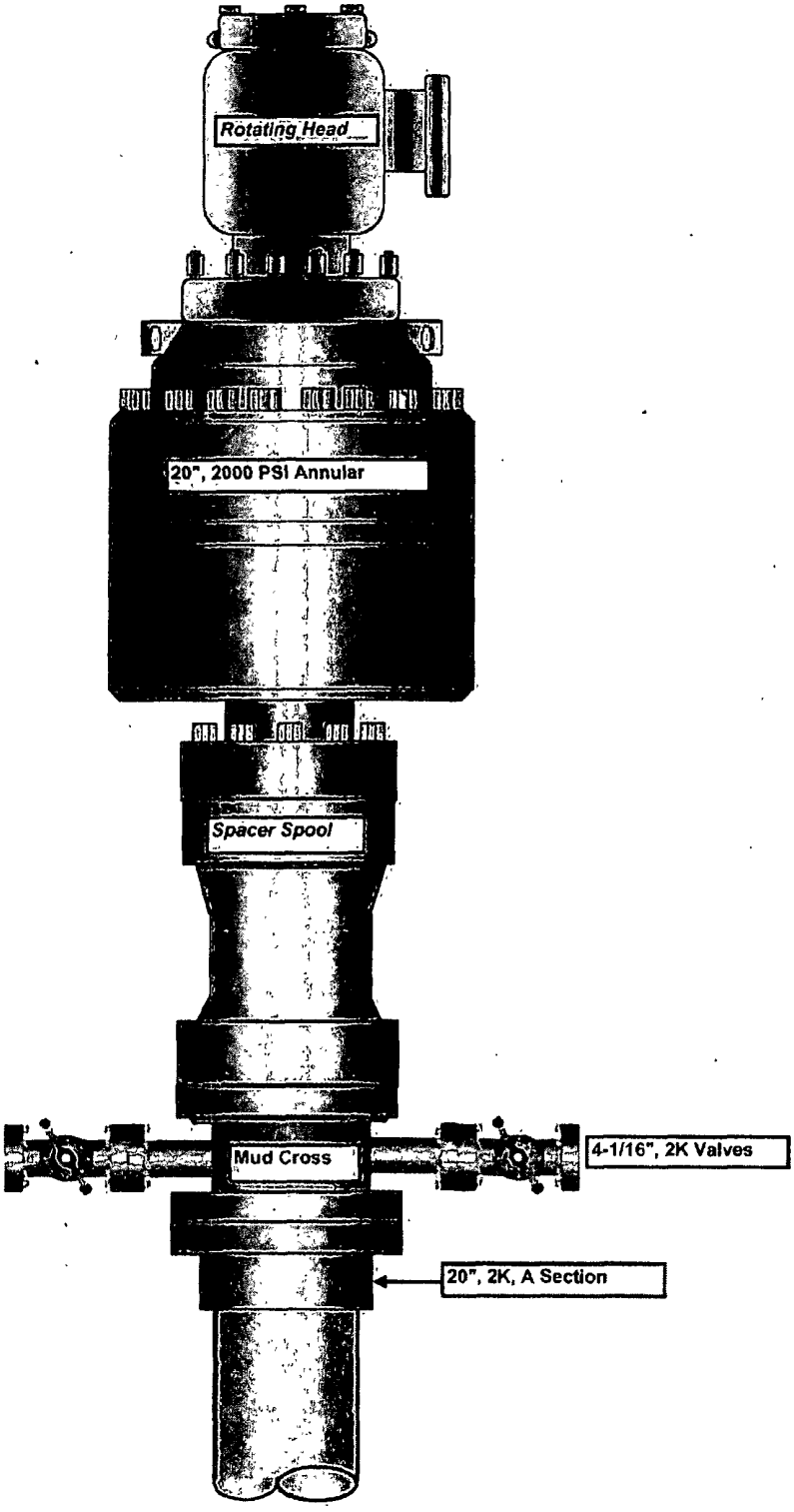


Azimuths to Grid North
True North: -0.27°
Magnetic North: 7.40°

Magnetic Field
Strength: 48826.1snT
Dip Angle: 60.54°
Date: 12/7/2011
Model: IGRF200510

Plan: Plan #1 (#1H/OH)
Created By: Sam Biffle Date: 9.10, December 07 2011
Checked _____ Date: _____

20" 2K Annular



Continental CONTITECH

Fluid Technology

ContiTech Beattie Corp.
Website: www.contitechbeattie.com

Monday, June 14, 2010

RE: Drilling & Production Hoses
Lifting & Safety Equipment

To Helmerich & Payne,

A Continental ContiTech hose assembly can perform as intended and suitable for the application regardless of whether the hose is secured or unsecured in its configuration. As a manufacturer of High Pressure Hose Assemblies for use in Drilling & Production, we do offer the corresponding lifting and safety equipment, this has the added benefit of easing the lifting and handling of each hose assembly whilst affording hose longevity by ensuring correct handling methods and procedures as well as securing the hose in the unlikely event of a failure; but in no way does the lifting and safety equipment affect the performance of the hoses providing the hoses have been handled and installed correctly. It is good practice to use lifting & safety equipment but not mandatory.

Should you have any questions or require any additional information/clarifications then please do not hesitate to contact us.

ContiTech Beattie is part of the Continental AG Corporation and can offer the full support resources associated with a global organization.

Best regards,

Robin Hodgson
Sales Manager
ContiTech Beattie Corp

ContiTech Beattie Corp,
11535 Brittmoore Park Drive,
Houston, TX 77041
Phone: +1 (832) 327-0141
Fax: +1 (832) 327-0148
www.contitechbeattie.com

Attachment to Exhibit #1
NOTES REGARDING BLOWOUT PREVENTERS
Devon Energy Production Company, LP
Regulus 26 Federal Com 1H
Surface Location: 380' FNL & 330' FEL, Unit A, Sec 26 T19S R31E, Eddy, NM
Bottom hole Location: 400' FNL & 340' FWL, Unit D, Sec 26 T19S R31E, Eddy, NM

1. Drilling nipple will be constructed so it can be removed mechanically without the aid of a welder. The minimum internal diameter will equal BOP bore.

2. Wear ring will be properly installed in head.

3. Blowout preventer and all associated fittings will be in operable condition to withstand a minimum 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.

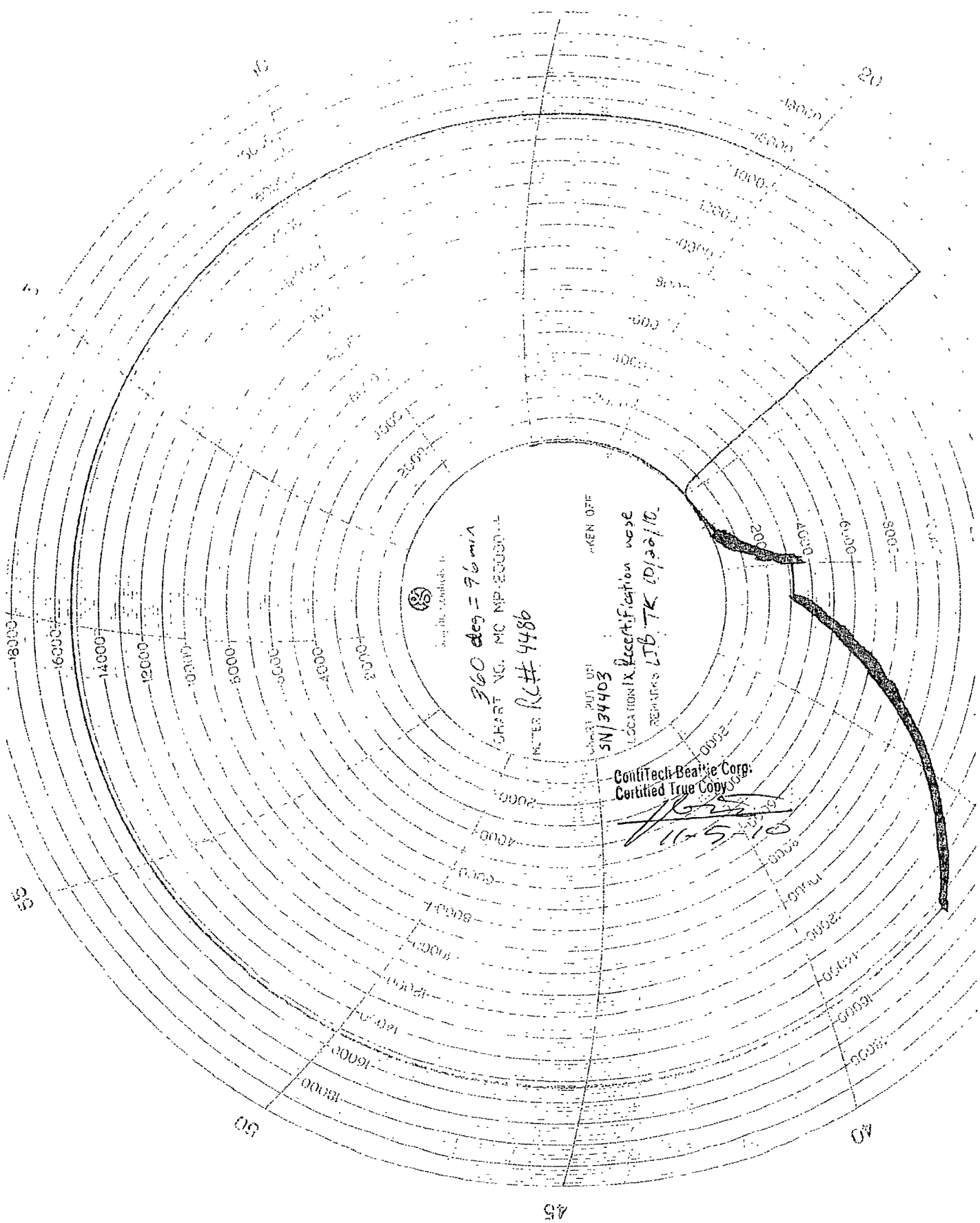
Hydrostatic Test Certificate

Certificate Number: 4520	**PBC No:** 10321	**Customer Name & Address**
Customer Purchase Order No:	RIG 300	HELMERICH & PAYNE INT'L DRILLING CO 1437 SOUTH BOULDER TULSA, OK 74119
Project:		
Test Centre Address	**Accepted by ContiTech Beattie Inspection**	**Accepted by Client Inspection**
ContiTech Beattie Corp. 11535 Brittmoore Park Drive Houston, TX 77041 USA	Signed: Josh Sims Date: 10/27/10	

We certify that the goods detailed hereon have been inspected by our Quality Management System, and to the best of our knowledge are found to conform to relevant industrial standards within the requirements of the purchase order as issued to ContiTech Beattie Corporation.

These goods were made in the United States of America.

Item	Part No.	Description	Qnty	Serial Number	As-Built Length (m)	Work Press	Test Press.	Test Time (minutes)
1		3" ID 10K Choke & Kill Hose x 35ft OAL End A. 4.1/16" 10Kpsi API Spec 6A Type 6BX Flange End B: 4.1/16" 10Kpsi API Spec 6A Type 6BX Flange Working Pressure. 10,000psi Test Pressure: 15,000psi Serial# 49106	1	49106		10 kpsi	15 kpsi	60


360 deg = 96 min
CHART NO. MC MP-25000-1
METER RL# 4486
SN/34403
LOCATION IX Recertification Hose
REMARKS LTD TK CD/30/10
ContiTech Beattie Corp.
Certified True Copy
16-Sep-10

devon

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

Hydrogen Sulfide (H_2S) Contingency Plan

For

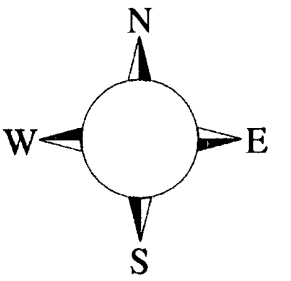
Regulus "26" Federal 1H

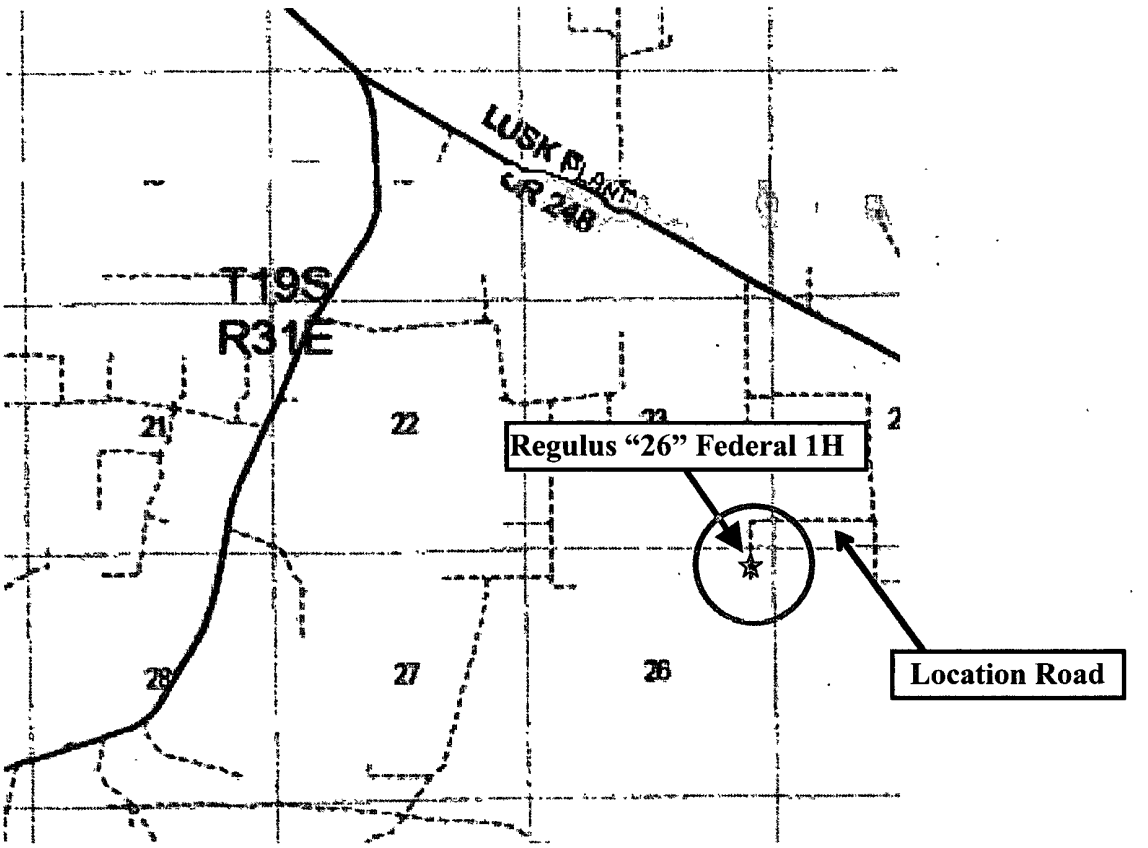
Sec-26, T-19S R-31E
380' FNL & 330' FEL,
LAT. = 32.6376832'N (NAD83)
LONG = 103.8324245'W

Eddy County NM

Regulus "26" Federal 1H

This is an open drilling site. H_2S monitoring equipment and emergency response equipment will be used within 500' of zones known to contain H_2S, including warning signs, wind indicators and H_2S monitor.





Assumed 100 ppm ROE = 3000' (Radius of Exposure)
100 ppm H_2S 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 North to caliche road and out of danger. Crews should then block entrance to the location from the lease 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 H_2S concentration shall trigger activation of this plan.

Emergency Procedures

In the event of a release of gas containing H_2S, 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 H_2S 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 H_2S, 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 (SO_2). 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 H_2S and SO_2

Common Name	Chemical Formula	Specific Gravity	Threshold Limit	Hazardous Limit	Lethal Concentration
Hydrogen Sulfide	H_2S	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)

Devon Energy Corp. Company Call List

Artesia (575)	Cellular	Office	Home
Foreman – Roger Hernandez	748-0169	748-5238	746-2991
Asst. Foreman –Tommy Polly	748-5290	748-0165	748-2846
Brian Schultz	(505) 325-5623	746-9072	746-4945
Montral Walker	390-5182	748-0193	936-414-6246
Engineer – Steven Jones	(405) 596-8041	(405) 552-7994	

Agency Call List

Lea County (575)

Hobbs

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

Eddy County (575)

Carlsbad

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

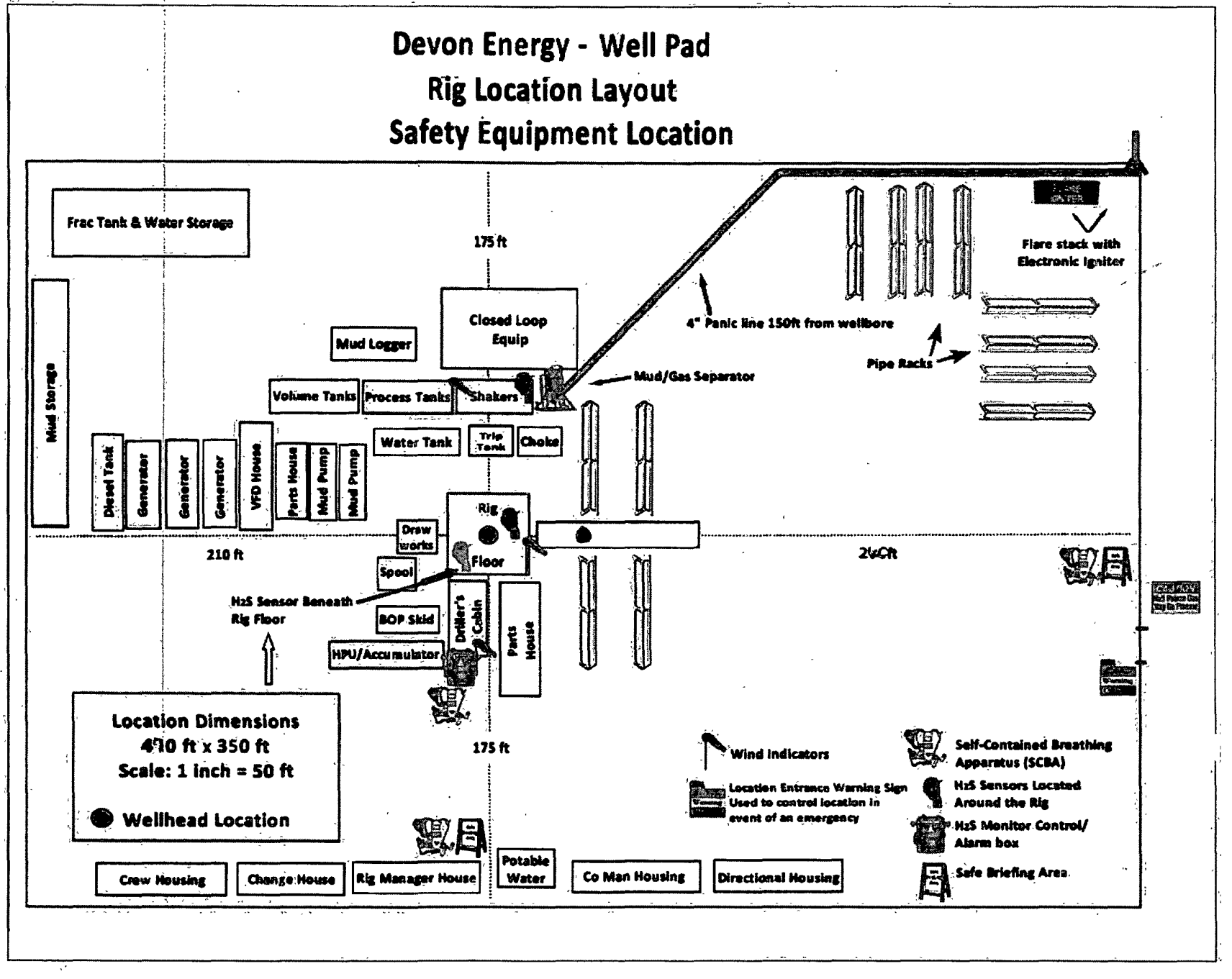
Emergency Services

Boots & Coots IWC	1-800-256-9688 or (281) 931-8884
Cudd Pressure Control	(915) 699-0139 or (915) 563-3356
Halliburton	(575) 746-2757
B. J. Services	(575) 746-3569

Give GPS position:

Flight For Life - Lubbock, TX	(806) 743-9911
Aerocare - Lubbock, TX	(806) 747-8923
Med Flight Air Amb - Albuquerque, NM	(575) 842-4433
Lifeguard Air Med Svc. Albuquerque, NM	(575) 272-3115

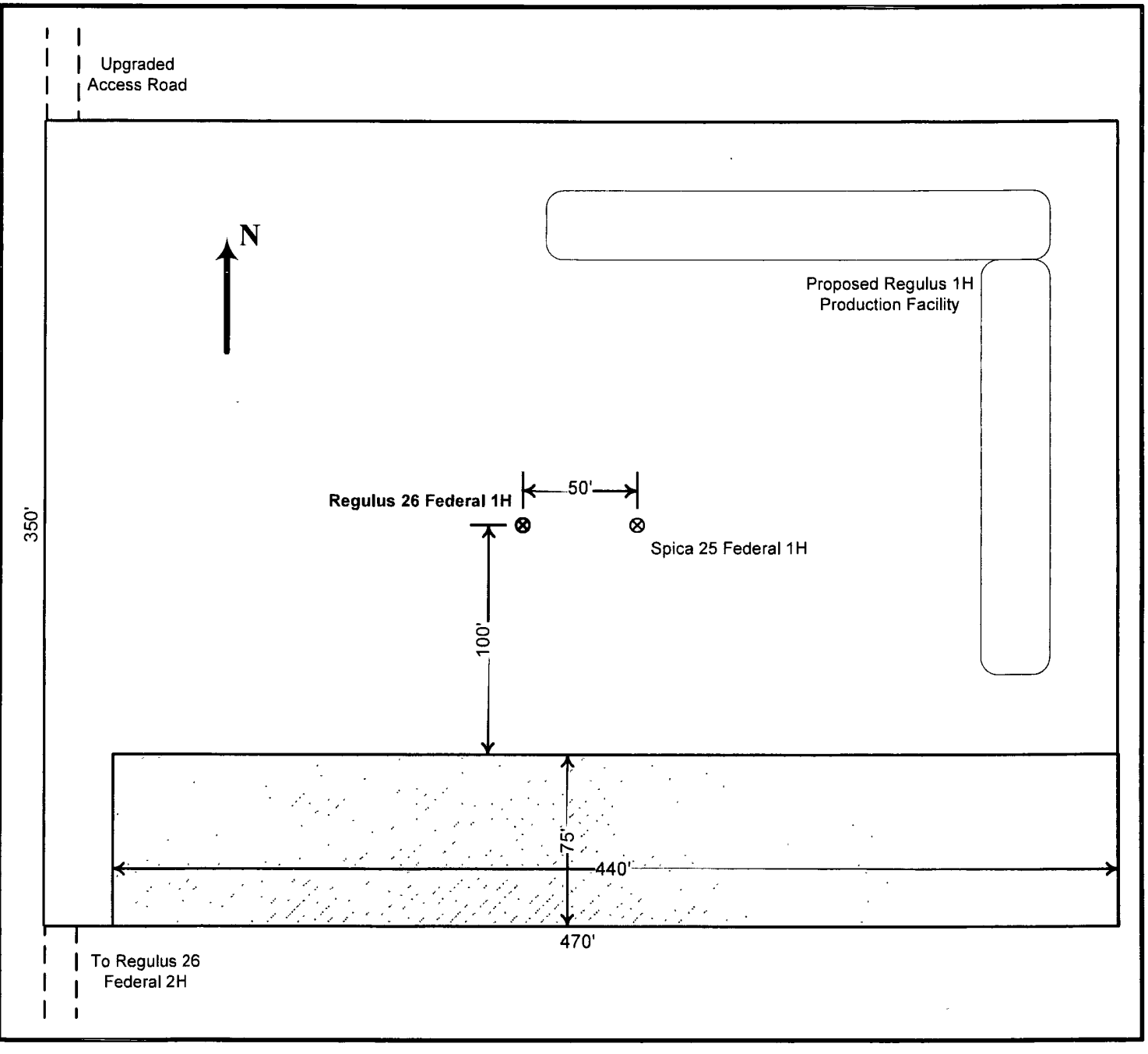
Prepared in conjunction with
Wade Rohloff


Devon Energy - Well Pad
Rig Location Layout
Safety Equipment Location
Frac Tank & Water Storage
175 ft
Flare stack with Electronic Igniter
Closed Loop Equip
Mud Logger
4" Panic line 150ft from wellbore
Mud Storage
Mud/Gas Separator
Pipe Racks
Volume Tanks
Process Tanks
Shakers
Water Tank
Trip Tank
Choke
Diesel Tank
Generator
Generator
Generator
VFD House
Parts House
Mud Pump
Mud Pump
Rig
Draw works
Floor
210 ft
Spool
H2S Sensor Beneath Rig Floor
BOP Skid
Driller's Cabin
Parts House
HPU/Accumulator
Location Dimensions
410 ft x 350 ft
Scale: 1 inch = 50 ft
Wellhead Location
175 ft
Wind Indicators
Location Entrance Warning Sign Used to control location in event of an emergency
Self-Contained Breathing Apparatus (SCBA)
H2S Sensors Located Around the Rig
H2S Monitor Control/ Alarm box
Safe Briefing Area
Crew Housing
Change House
Rig Manager House
Potable Water
Co Man Housing
Directional Housing

devon

Proposed Interim Site Reclamation

Devon Energy Production Co.
Regulus 26 Federal 1H
380' FNL & 330' FEL
Sec. 26-T19S-R31E
Eddy County, NM



Proposed Reclamation Area

Scale: 1in = 60ft.

PECOS DISTRICT
CONDITIONS OF APPROVAL

OPERATOR'S NAME:	DEVON ENERGY PRODUCTION COMPANY
LEASE NO.:	NM0107697
WELL NAME & NO.:	1H REGULUS 26 FEDERAL
SURFACE HOLE FOOTAGE:	380' FNL & 330' FEL
BOTTOM HOLE FOOTAGE	400' FNL & 340' FWL
LOCATION:	Section 26, T.19 S., R.31 E., NMPM
COUNTY:	Eddy County, New Mexico

TABLE OF CONTENTS

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