

HOBBS OCD

JAN 09 2013

OCD Hobbs

Form 3160-3
(March 2012)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0137
Expires October 31, 2014

5. Lease Serial No. **NW04591**
BHL: NM-026692 SHL: LC-063645

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.

8. Lease Name and Well No.
KSI 22 FED COM 2H **384807**

9. API Well No.
30-025-40911

10. Field and Pool, or Exploratory
CORBIN; BONE SPRING, SOUTH **131607**

11. Sec., T. R. M. or Blk. and Survey or Area
SECTION 22, T. 18 S., R. 33 E.

12. County or Parish
LEA

13. State
NM

1a. Type of work: ☒ DRILL ☐ REENTER

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

2. Name of Operator **DEVON ENERGY PRODUCTION COMPANY, L.P.**

3a. Address **333 W. SHERIDAN
OKLAHOMA CITY, OK. 73102**

3b. Phone No. (include area code)
(405) 552-4524

4. Location of Well (Report location clearly and in accordance with any State requirements.)*

At surface **205 FSL & 785 FEL**

At proposed prod. zone **330 FNL & 660 FEL**

14. Distance in miles and direction from nearest town or post office*
11 MILES SOUTHEAST OF MALJAMAR, NM.

15. Distance from proposed*
location to nearest
property or lease line, ft. **205' @ SHL
330' @ BHL**
(Also to nearest drig. unit line, if any)

16. No. of acres in lease
**560 (BHL) 1483.52
800 SA**

17. Spacing Unit dedicated to this well
160

18. Distance from proposed location* **660' (BHL)**
to nearest well, drilling, completed,
applied for, on this lease, ft. **1240' (SHL)**

19. Proposed Depth
**MD: 14107'
TVD: 9600'**

20. BLM/BIA Bond No. on file
NMB-000801 CO-1104

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
3837' GL

22. Approximate date work will start*

23. Estimated duration
30 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:

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

25. Signature **Barry W. Hunt**

Name (Printed/Typed)
BARRY W. HUNT

Date
7/31/12

Title

PERMIT AGENT FOR DEVON ENERGY PRODUCTION COMPANY, L.P.

Approved by (Signature) **James A. Amon**

Name (Printed/Typed)

Date **JAN - 4 2013**

Title **FIELD MANAGER**

Office **CARLSBAD FIELD OFFICE**

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached. **APPROVAL FOR TWO YEARS**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

Capitan Controlled Water Basin

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

Approval Subject to General Requirements
& Special Stipulations Attached

DEVON ENERGY PRODUCTION, L. P.
DRILLING PLAN

KSI 22 FED COM 2H
SHL: 205 FSL & 785 FEL
BHL: 330 FNL & 660 FEL
Section 22, T. 18 S., R. 33 E.
LEA County, NM

The elevation of the unprepared ground is 3837.1' feet above sea level.

The geologic name of the surface formation is Quaternary - Alluvium.

A rotary rig will be utilized to drill the well.

Proposed total depth is: MD: 14107'. TVD: 9600'.

Estimated tops of important geologic markers:

Quaternary -- Alluvium	Surface*
Rustler	1520'
Salado / Top of Salt	1795'
Base of Salt	1900'
Yates	3000'
Queen	4260'
Grayburg	4495'
Delaware	5230'
Bone Spring	7425'
1st Bone Spring SD	8705'
2 nd Bone Spring LM	9025'
2 nd Bone Spring SD	9300'
2 nd Bone Spring Lower SD	9600'
TVD	9600' (145 degree F)

*Water anticipated at 200 feet.

Estimated depths at which anticipated water, oil, gas or other mineral bearing formations are expected to be encountered:

Yates	Oil (1320 psi)
Queen	Oil (1874 psi)
Grayburg	Oil (1978 psi)
Delaware	Oil (2301 psi)
Bone Spring	Oil (3267 psi)
TVD	Oil BHP 4224 psi

KSI 22 Fed Com 2H – APD DRILLING PLAN
KKS 7-11-12

Pressure Control Equipment:

The BOP system used to drill the intermediate hole will consist of a 13-5/8" Double Ram and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order No. 2, a 3M system will be installed prior to drilling out the surface casing shoe.

The BOP system used to drill the production hole will consist of a 13-5/8" Double Ram and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order No. 2 a 3M system will be installed prior to drilling out the intermediate casing shoe.

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 5,000 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.

Casing Program (All new casing)

See
COST

<u>Hole Size</u>	<u>Hole Interval</u>	<u>OD Csg</u>	<u>Casing Interval</u>	<u>Weight</u>	<u>Collar</u>	<u>Grade</u>
17-1/2"	0 – 1,650	13-3/8"	0 – 1,650	54.5#	STC	J-55
12-1/4"	1,650 – 3,000	9-5/8"	0 – 3,000	40#	LTC	J-55
8-3/4"	3,000 – 9,087	5-1/2"	0 – 9,087	17#	LTC	HCP-110
8-3/4"	9,087 – 14,107	5-1/2"	9,087 – 14,107	17#	BTC	HCP-110

Note: only new casing will be utilized

MAXIMUM TVD 9,600

Design Factors:

<u>Casing Size</u>	<u>Collapse Design Factor</u>	<u>Burst Design Factor</u>	<u>Tension Design Factor</u>
13-3/8"	1.65	3.30	7.89
9-5/8" 40# J-55 LTC	1.29	2.26	4.19
5-1/2" 17# HCP-110 LTC	1.77	2.52	1.86
5-1/2" 17# HCP-110 BTC	1.66	2.37	7.41

Mud Program:

<u>Depth</u>	<u>Mud Wt.</u>	<u>Visc.</u>	<u>Fluid Loss</u>	<u>Type System</u>
0 – 1,650	8.4 – 9.0	30 – 34	N/C	FW
1,650 – 3,000	9.8 – 10.0	28 – 32	N/C	Brine
3,000 – 14,107	8.6 – 9.0	28 – 32	N/C-12	FW

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.

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:
 1. Total depth to intermediate casing Dual Laterolog-Micro Laterolog with SP and Gamma Ray. Compensated Neutron – Z Density log with Gamma Ray and Caliper.
 2. Total Depth to Surface Compensated Neutron with Gamma Ray.
 3. No coring program is planned.
 4. Additional testing will be initiated subsequent to setting the 5 1/2" production casing. Specific intervals will be targeted based on log evaluation, geological sample shows and drill stem tests.

POTENTIAL HAZARDS:

- a. No abnormal pressures or temperatures are expected. There is no known presence of H₂S in this area; therefore, no H₂S is anticipated. If H₂S is encountered the operator will comply with the provisions of Onshore Oil and Gas Order No. 6. No lost circulation is expected to occur. All personnel will be familiar with all aspects of safe operation of equipment being used to drill this well. **Estimated BHP 4224 and estimated BHT 145 degrees.**

see COA

ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

- a. Road and location construction will begin after BLM has approved the APD. Anticipated spud date will be soon after BLM approval and as soon as a rig is 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 flowlines in order to place well on production.



Project: Lea County, NM (NAD 83)
 Site: Ksi 22 Federal Com
 Well: Ksi 22 Federal Com 2H
 Wellbore: Wellbore #1
 Plan: Plan #1
 Rig: HP 223

SURFACE LOCATION

US State Plane 1983
 New Mexico Eastern Zone
 Elevation: GL 3837.1' + 25'KB @ 3862.10ft (HP 223)
 Northing Easting Latitude Longitude
 628688.30 753048.50 32° 43' 35.087 N 103° 38' 41.612 W

CASING DETAILS

No casing data is available

SECTION DETAILS

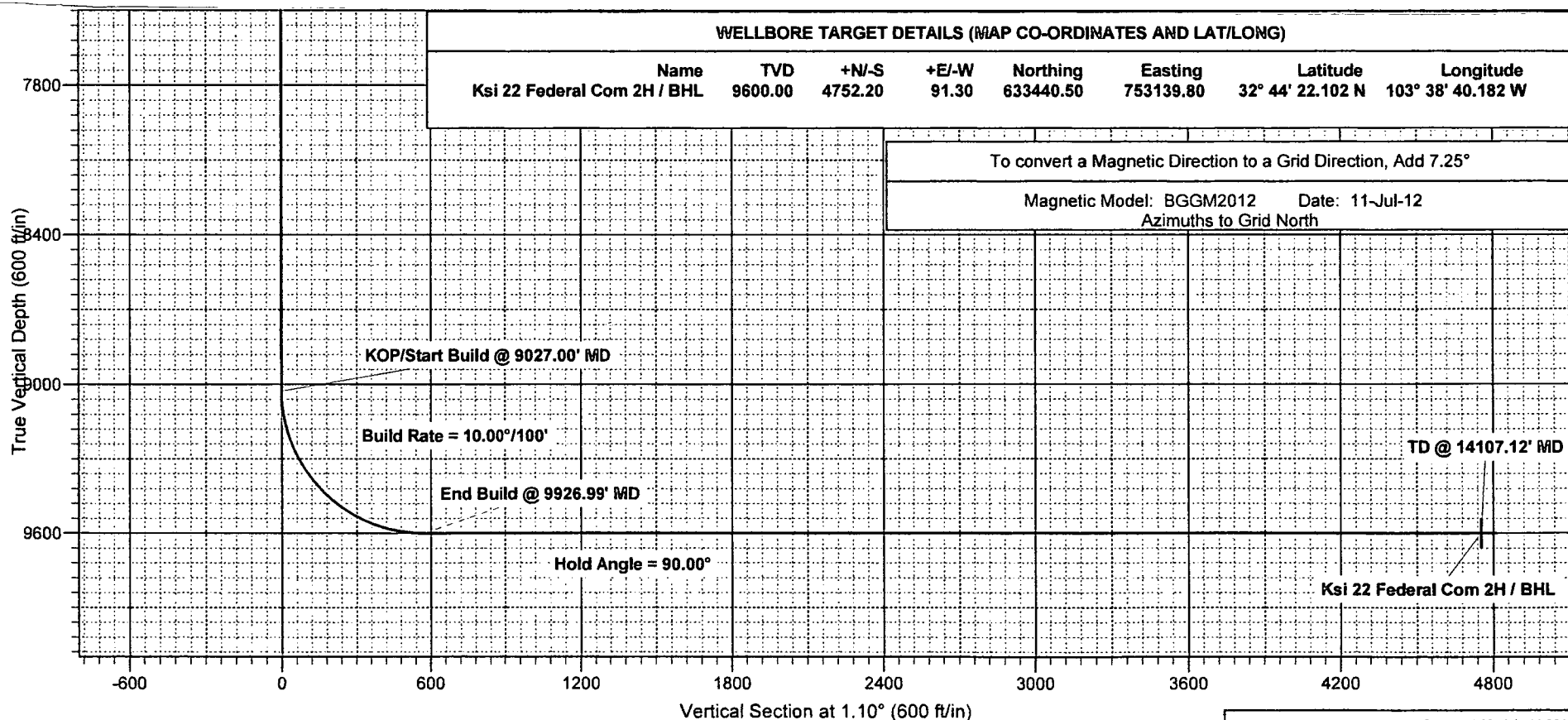
MD	Inc	Azi	TVD	+N-S	+E-W	DLeg	TFace	VSec	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
9027.00	0.00	0.00	9027.00	0.00	0.00	0.00	0.00	0.00	KOP/Start Build
9926.99	90.00	1.10	9599.96	572.85	11.01	10.00	1.10	572.95	End Build
14107.12	90.00	1.10	9600.00	4752.20	91.30	0.00	0.00	4753.08	TD

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

Name	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude
Ksi 22 Federal Com 2H / BHL	9600.00	4752.20	91.30	633440.50	753139.80	32° 44' 22.102 N	103° 38' 40.182 W

To convert a Magnetic Direction to a Grid Direction, Add 7.25°

Magnetic Model: BGGM2012 Date: 11-Jul-12
 Azimuths to Grid North



Project: Lea County, NM (NAD 83)
Site: Ksi 22 Federal Com
Well: Ksi 22 Federal Com 2H
Wellbore: Wellbore #1
Plan: Plan #1
Rig: HP 223

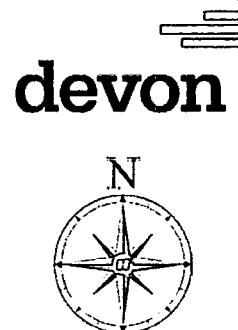
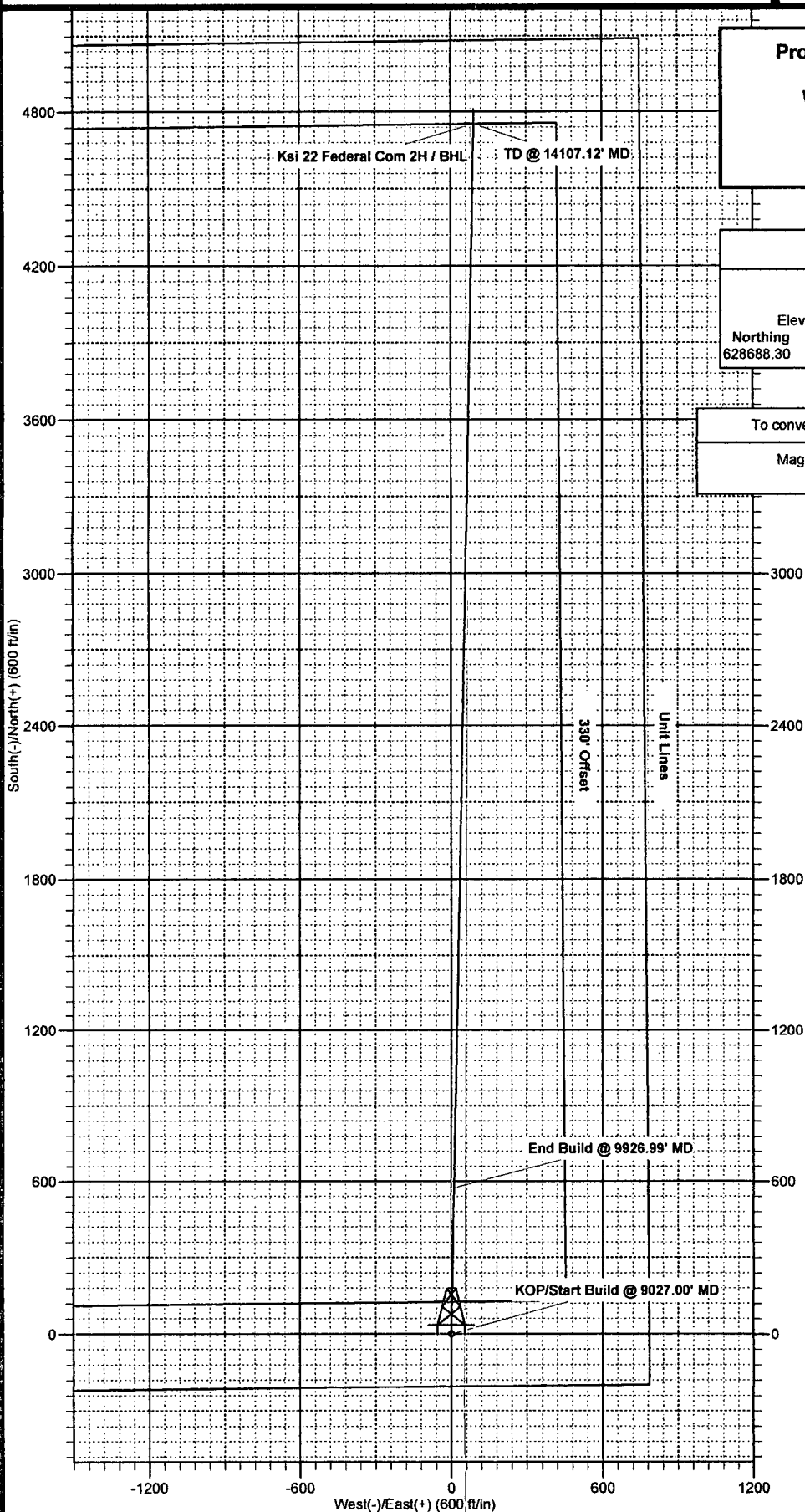
SURFACE LOCATION

US State Plane 1983
 New Mexico Eastern Zone
 Elevation: GL 3837.1' + 25'KB @ 3862.10ft (HP 223)

Northing	Easting	Latitude	Longitude
628688.30	753048.50	32° 43' 35.087 N	103° 38' 41.612 W

To convert a Magnetic Direction to a Grid Direction, Add 7.25°

Magnetic Model: BGGM2012 Date: 11-Jul-12
 Azimuths to Grid North



Devon Energy Corporation

Lea County, NM (NAD 83)

Ksi 22 Federal Com

Ksi 22 Federal Com 2H

Wellbore #1

Plan: Plan #1

Sperry Drilling Services

Proposal Report

11 July, 2012

Well Coordinates: 628,688.30 N, 753,048.50 E (32° 43' 35.09" N, 103° 38' 41.61" W)

Ground Level: 3,837.10 ft

Local Coordinate Origin:

Centered on Well Ksi 22 Federal Com 2H

Viewing Datum:

GL 3837.1' + 25'KB @ 3862.10ft (HP 223)

TVDs to System:

N

North Reference:

Grid

Unit System:

API - US Survey Feet

Version: 2003.16 Build: 431

HALLIBURTON

Plan Report for Ksi 22 Federal Com 2H - Plan #1

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,027.00	0.00	0.00	9,027.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP/Start Build @ 9027.00' MD										
9,027.01	0.00	1.10	9,027.01	0.00	0.00	0.00	0.00	0.00	0.00	1.10
Build Rate = 10.00°/100'										
9,100.00	7.30	1.10	9,099.80	4.64	0.09	4.64	10.00	10.00	0.00	1.10
9,200.00	17.30	1.10	9,197.38	25.92	0.50	25.92	10.00	10.00	0.00	0.00
9,300.00	27.30	1.10	9,289.79	63.81	1.23	63.82	10.00	10.00	0.00	0.00
9,400.00	37.30	1.10	9,374.21	117.16	2.25	117.19	10.00	10.00	0.00	0.00
9,500.00	47.30	1.10	9,448.08	184.37	3.54	184.40	10.00	10.00	0.00	0.00
9,600.00	57.30	1.10	9,509.15	263.37	5.06	263.42	10.00	10.00	0.00	0.00
9,700.00	67.30	1.10	9,555.58	351.79	6.76	351.85	10.00	10.00	0.00	0.00
9,800.00	77.30	1.10	9,585.94	446.91	8.59	447.00	10.00	10.00	0.00	0.00
9,900.00	87.30	1.10	9,599.32	545.87	10.49	545.97	10.00	10.00	0.00	0.00
9,926.99	90.00	1.10	9,599.96	572.85	11.01	572.95	10.00	10.00	0.00	0.00
End Build @ 9926.99' MD - Hold Angle = 90.00°										
10,000.00	90.00	1.10	9,599.96	645.84	12.41	645.96	0.00	0.00	0.00	0.00
10,100.00	90.00	1.10	9,599.96	745.82	14.33	745.96	0.00	0.00	0.00	0.00
10,200.00	90.00	1.10	9,599.96	845.80	16.25	845.96	0.00	0.00	0.00	0.00
10,300.00	90.00	1.10	9,599.96	945.78	18.17	945.96	0.00	0.00	0.00	0.00
10,400.00	90.00	1.10	9,599.96	1,045.76	20.09	1,045.96	0.00	0.00	0.00	0.00
10,500.00	90.00	1.10	9,599.96	1,145.75	22.01	1,145.96	0.00	0.00	0.00	0.00
10,600.00	90.00	1.10	9,599.96	1,245.73	23.93	1,245.96	0.00	0.00	0.00	0.00
10,700.00	90.00	1.10	9,599.97	1,345.71	25.85	1,345.96	0.00	0.00	0.00	0.00
10,800.00	90.00	1.10	9,599.97	1,445.69	27.77	1,445.96	0.00	0.00	0.00	0.00
10,900.00	90.00	1.10	9,599.97	1,545.67	29.70	1,545.96	0.00	0.00	0.00	0.00
11,000.00	90.00	1.10	9,599.97	1,645.65	31.62	1,645.96	0.00	0.00	0.00	0.00
11,100.00	90.00	1.10	9,599.97	1,745.64	33.54	1,745.96	0.00	0.00	0.00	0.00
11,200.00	90.00	1.10	9,599.97	1,845.62	35.46	1,845.96	0.00	0.00	0.00	0.00
11,300.00	90.00	1.10	9,599.97	1,945.60	37.38	1,945.96	0.00	0.00	0.00	0.00
11,400.00	90.00	1.10	9,599.97	2,045.58	39.30	2,045.96	0.00	0.00	0.00	0.00
11,500.00	90.00	1.10	9,599.97	2,145.56	41.22	2,145.96	0.00	0.00	0.00	0.00
11,600.00	90.00	1.10	9,599.97	2,245.54	43.14	2,245.96	0.00	0.00	0.00	0.00
11,700.00	90.00	1.10	9,599.98	2,345.52	45.06	2,345.96	0.00	0.00	0.00	0.00
11,800.00	90.00	1.10	9,599.98	2,445.51	46.98	2,445.96	0.00	0.00	0.00	0.00
11,900.00	90.00	1.10	9,599.98	2,545.49	48.90	2,545.96	0.00	0.00	0.00	0.00
12,000.00	90.00	1.10	9,599.98	2,645.47	50.83	2,645.96	0.00	0.00	0.00	0.00
12,100.00	90.00	1.10	9,599.98	2,745.45	52.75	2,745.96	0.00	0.00	0.00	0.00
12,200.00	90.00	1.10	9,599.98	2,845.43	54.67	2,845.96	0.00	0.00	0.00	0.00
12,300.00	90.00	1.10	9,599.98	2,945.41	56.59	2,945.96	0.00	0.00	0.00	0.00
12,400.00	90.00	1.10	9,599.98	3,045.40	58.51	3,045.96	0.00	0.00	0.00	0.00
12,500.00	90.00	1.10	9,599.98	3,145.38	60.43	3,145.96	0.00	0.00	0.00	0.00
12,600.00	90.00	1.10	9,599.98	3,245.36	62.35	3,245.96	0.00	0.00	0.00	0.00
12,700.00	90.00	1.10	9,599.99	3,345.34	64.27	3,345.96	0.00	0.00	0.00	0.00
12,800.00	90.00	1.10	9,599.99	3,445.32	66.19	3,445.96	0.00	0.00	0.00	0.00
12,900.00	90.00	1.10	9,599.99	3,545.30	68.11	3,545.96	0.00	0.00	0.00	0.00
13,000.00	90.00	1.10	9,599.99	3,645.29	70.03	3,645.96	0.00	0.00	0.00	0.00
13,100.00	90.00	1.10	9,599.99	3,745.27	71.95	3,745.96	0.00	0.00	0.00	0.00
13,200.00	90.00	1.10	9,599.99	3,845.25	73.88	3,845.96	0.00	0.00	0.00	0.00
13,300.00	90.00	1.10	9,599.99	3,945.23	75.80	3,945.96	0.00	0.00	0.00	0.00
13,400.00	90.00	1.10	9,599.99	4,045.21	77.72	4,045.96	0.00	0.00	0.00	0.00
13,500.00	90.00	1.10	9,599.99	4,145.19	79.64	4,145.96	0.00	0.00	0.00	0.00
13,600.00	90.00	1.10	9,599.99	4,245.17	81.56	4,245.96	0.00	0.00	0.00	0.00
13,700.00	90.00	1.10	9,600.00	4,345.16	83.48	4,345.96	0.00	0.00	0.00	0.00
13,800.00	90.00	1.10	9,600.00	4,445.14	85.40	4,445.96	0.00	0.00	0.00	0.00
13,900.00	90.00	1.10	9,600.00	4,545.12	87.32	4,545.96	0.00	0.00	0.00	0.00
14,000.00	90.00	1.10	9,600.00	4,645.10	89.24	4,645.96	0.00	0.00	0.00	0.00
14,100.00	90.00	1.10	9,600.00	4,745.08	91.16	4,745.96	0.00	0.00	0.00	0.00

HALLIBURTON

Plan Report for Ksi 22 Federal Com 2H - Plan #1

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
14,107.12	90.00	1.10	9,600.00	4,752.20	91.30	4,753.08	0.00	0.00	0.00	180.00

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
9,027.00	9,027.00	0.00	0.00	KOP/Start Build @ 9027.00' MD
9,027.01	9,027.01	0.00	0.00	Build Rate = 10.00°/100'
9,926.99	9,599.96	572.84	11.01	End Build @ 9926.99' MD
9,926.99	9,599.96	572.85	11.01	Hold Angle = 90.00°
14,107.12	9,600.00	4,752.20	91.30	TD @ 14107.12' MD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/-S (ft)	Origin +E/-W (ft)	Start TVD (ft)
TD	No Target (Freehand)	1.10	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
0.00	14,107.12	Plan #1	MWD

Targets associated with this wellbore

Target Name	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Shape
Ksi 22 Federal Com 2H / BHL	9,600.00	4,752.20	91.30	Point

North Reference Sheet for Ksi 22 Federal Com - Ksi 22 Federal Com 2H - Wellbore**#1**

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

Vertical Depths are relative to GL 3837.1' + 25'KB @ 3862.10ft (HP 223). Northing and Easting are relative to Ksi 22 Federal Com 2H

Coordinate System is US State Plane 1983, New Mexico Eastern Zone using datum North American Datum 1983, ellipsoid GRS 1980

Projection method is Transverse Mercator (Gauss-Kruger)

Central Meridian is -104.33°, Longitude Origin: 0° 0' 0.000 E°, Latitude Origin: 0° 0' 0.000 N°

False Easting: 541,337.50ft, False Northing: 0.00ft, Scale Reduction: 0.99996041

Grid Coordinates of Well: 628,688.30 ft N, 753,048.50 ft E

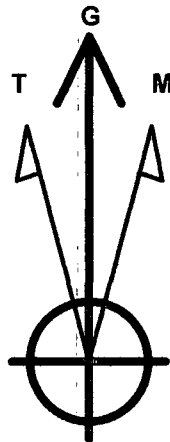
Geographical Coordinates of Well: 32° 43' 35.09" N, 103° 38' 41.61" W

Grid Convergence at Surface is: 0.37°

Based upon Minimum Curvature type calculations, at a Measured Depth of 14,107.12ft

the Bottom Hole Displacement is 4,753.08ft in the Direction of 1.10° (Grid).

Magnetic Convergence at surface is: -7.25° (11 July 2012, , BGGM2012)



Magnetic Model: BGGM2012

Date: 11-Jul-12

Declination: 7.63°

Inclination/Dip: 60.58°

Field Strength: 48798

Grid North is 0.37° East of True North (Grid Convergence)
Magnetic North is 7.63° East of True North (Magnetic Declination)
Magnetic North is 7.25° East of Grid North (Magnetic Convergence)

To convert a True Direction to a Grid Direction, Subtract 0.37°
To convert a Magnetic Direction to a True Direction, Add 7.63° East
To convert a Magnetic Direction to a Grid Direction, Add 7.25°

Standard Survey

Company: Devon Energy Corporation
Project: Lea County
Site: Ksi 22 Federal Com
Well: Ksi 22 Federal Com 2H
Wellbore: Wellbore #1
Design/Survey: Plan #1
North Reference Grid

MD ft	Inc °	Azi (Grid) °	TVDSS ft	TVD ft	N/S ft	E/W ft
0.00	0.00	0.00	-3862.10	0.00	0.00	0.00
100.00	0.00	0.00	-3762.10	100.00	0.00	0.00
200.00	0.00	0.00	-3662.10	200.00	0.00	0.00
300.00	0.00	0.00	-3562.10	300.00	0.00	0.00
400.00	0.00	0.00	-3462.10	400.00	0.00	0.00
500.00	0.00	0.00	-3362.10	500.00	0.00	0.00
600.00	0.00	0.00	-3262.10	600.00	0.00	0.00
700.00	0.00	0.00	-3162.10	700.00	0.00	0.00
800.00	0.00	0.00	-3062.10	800.00	0.00	0.00
900.00	0.00	0.00	-2962.10	900.00	0.00	0.00
1000.00	0.00	0.00	-2862.10	1000.00	0.00	0.00
1100.00	0.00	0.00	-2762.10	1100.00	0.00	0.00
1200.00	0.00	0.00	-2662.10	1200.00	0.00	0.00
1300.00	0.00	0.00	-2562.10	1300.00	0.00	0.00
1400.00	0.00	0.00	-2462.10	1400.00	0.00	0.00
1500.00	0.00	0.00	-2362.10	1500.00	0.00	0.00
1600.00	0.00	0.00	-2262.10	1600.00	0.00	0.00
1700.00	0.00	0.00	-2162.10	1700.00	0.00	0.00
1800.00	0.00	0.00	-2062.10	1800.00	0.00	0.00
1900.00	0.00	0.00	-1962.10	1900.00	0.00	0.00
2000.00	0.00	0.00	-1862.10	2000.00	0.00	0.00
2100.00	0.00	0.00	-1762.10	2100.00	0.00	0.00
2200.00	0.00	0.00	-1662.10	2200.00	0.00	0.00
2300.00	0.00	0.00	-1562.10	2300.00	0.00	0.00
2400.00	0.00	0.00	-1462.10	2400.00	0.00	0.00
2500.00	0.00	0.00	-1362.11	2500.00	0.00	0.00
2599.99	0.00	0.00	-1262.11	2599.99	0.00	0.00
2699.99	0.00	0.00	-1162.11	2699.99	0.00	0.00
2799.99	0.00	0.00	-1062.11	2799.99	0.00	0.00
2899.99	0.00	0.00	-962.11	2899.99	0.00	0.00
2999.99	0.00	0.00	-862.11	2999.99	0.00	0.00
3099.99	0.00	0.00	-762.11	3099.99	0.00	0.00
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3399.99	0.00	0.00	-462.11	3399.99	0.00	0.00
3499.99	0.00	0.00	-362.11	3499.99	0.00	0.00
3599.99	0.00	0.00	-262.11	3599.99	0.00	0.00

3699.99	0.00	0.00	-162.11	3699.99	0.00	0.00
3799.99	0.00	0.00	-62.11	3799.99	0.00	0.00
3899.99	0.00	0.00	37.89	3899.99	0.00	0.00
3999.99	0.00	0.00	137.89	3999.99	0.00	0.00
4099.99	0.00	0.00	237.89	4099.99	0.00	0.00
4199.99	0.00	0.00	337.89	4199.99	0.00	0.00
4299.99	0.00	0.00	437.89	4299.99	0.00	0.00
4399.99	0.00	0.00	537.89	4399.99	0.00	0.00
4499.99	0.00	0.00	637.89	4499.99	0.00	0.00
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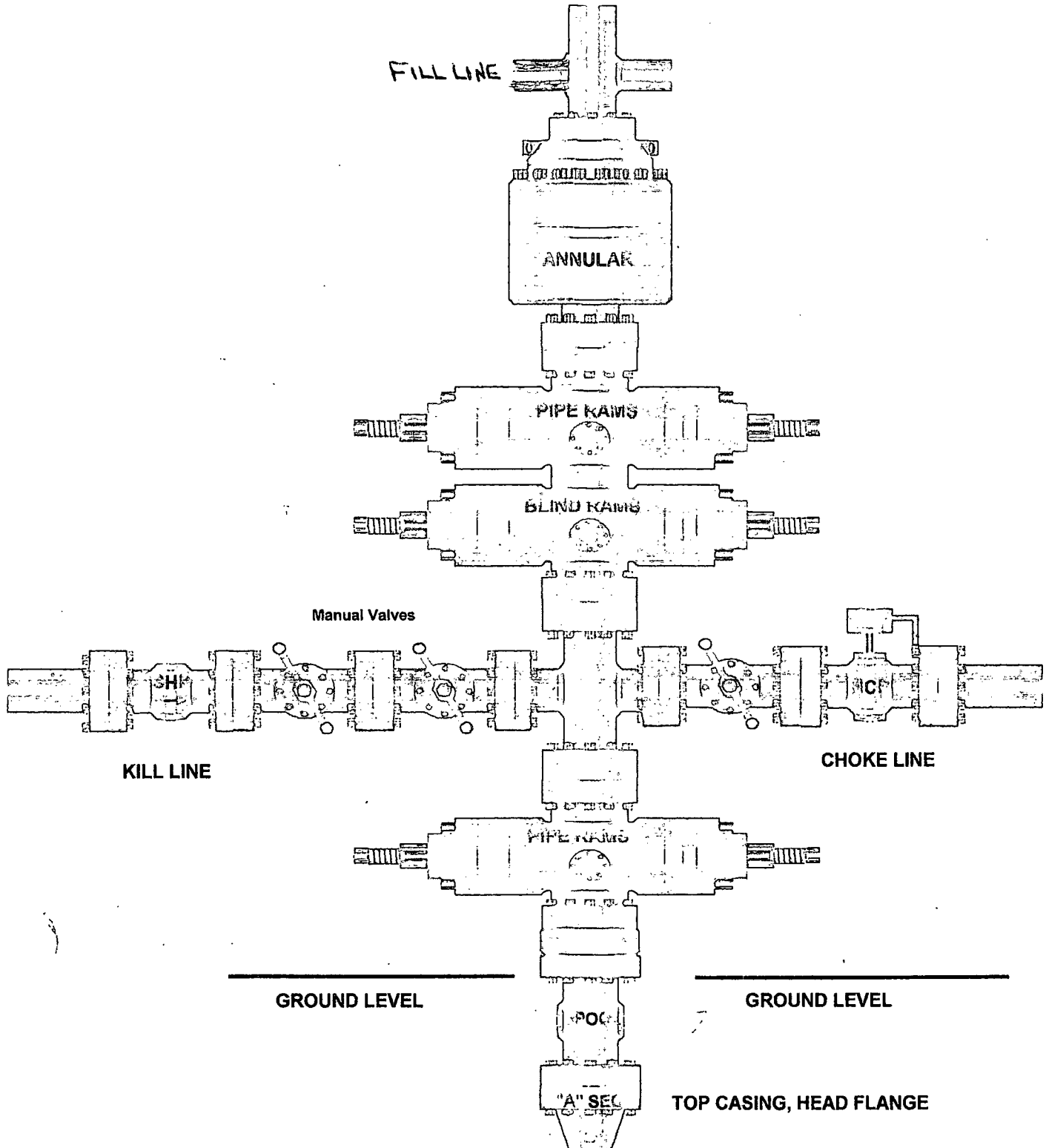
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631733.67	753107.01	0.00	3045.93
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632733.49	753126.22	0.00	4045.93
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632933.45	753130.06	0.00	4245.93
633033.43	753131.98	0.00	4345.93
633133.41	753133.90	0.00	4445.93

633233.39	753135.82	0.00	4545.93
633333.37	753137.74	0.00	4645.93
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13-5/8" x 3,000 psi BOP Stack

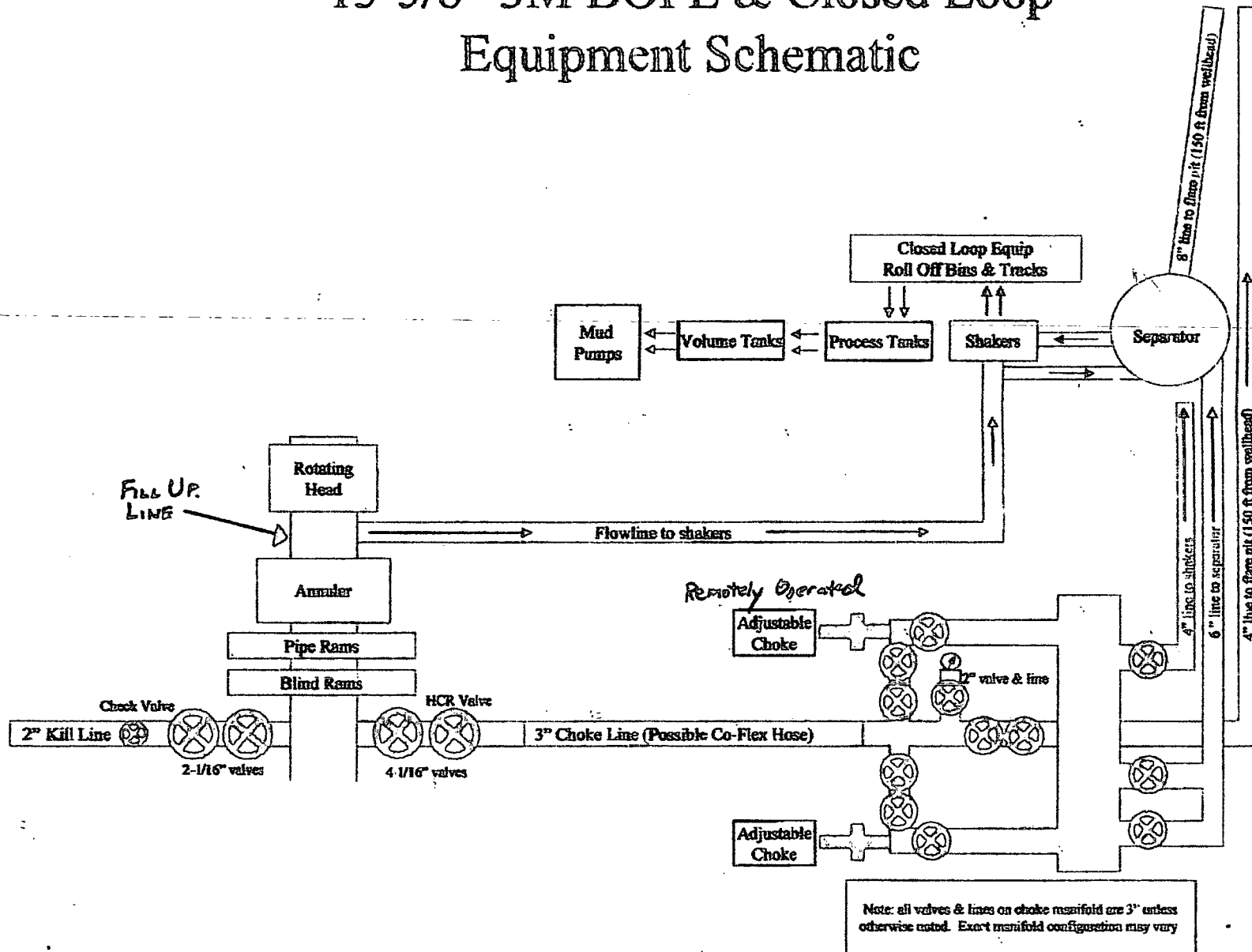


Attachment to Exhibit #1
NOTES REGARDING BLOWOUT PREVENTERS
Devon Energy Production Company, LP
KSI 22 Federal Com 2H

Surface Location: 205' FSL & 785' FeL of Section 22-18S-33E, Lea, NM
Bottom Hole Location: 330' FNL & 660' FEL of Section 22-18S-33E, Lea, 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.

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



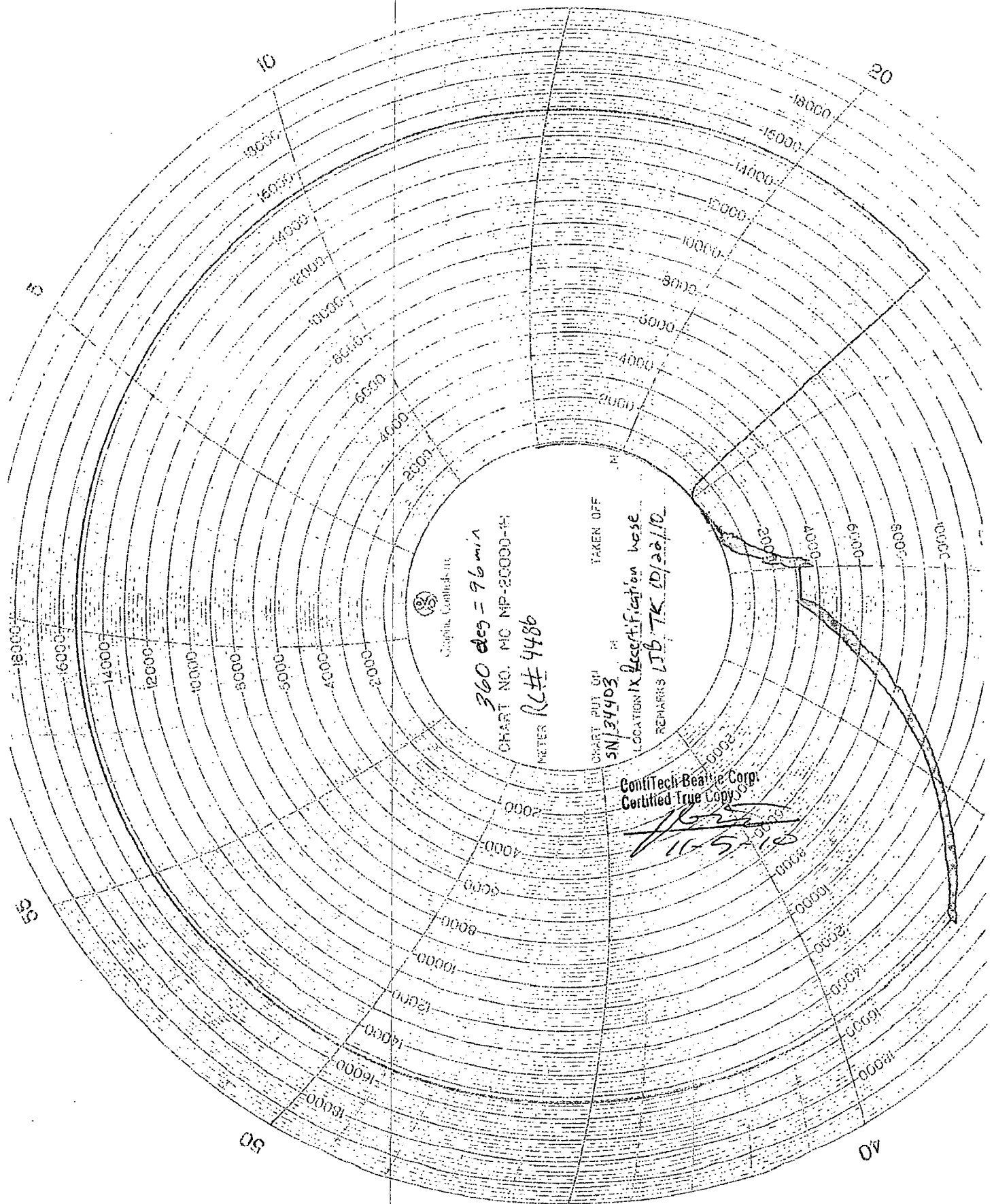
Hydrostatic Test Certificate

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	Qty	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



ContiTech-Beattie Corp.
Certified True Copy

360 deg = 96 mi/h
CHART NO. MC NP-20000-44
METER RCH 4486

CHART PUT OFF
TAKEN OFF
LOCATION IX Identification base
REMARKS 176 TK 10/20/10

ContiTech-Beattie Corp.
Certified True Copy

11-5-10