

MAY 02 2013

RECEIVED

OCD Hobbs

FORM APPROVED
OMB No. 1004-0137
Expires October 31, 2014UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

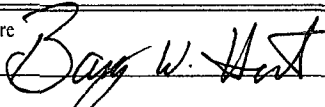
APPLICATION FOR PERMIT TO DRILL OR REENTER

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. REDSTART 28 FED COM 2H 398 74
2. Name of Operator DEVON ENERGY PRODUCTION COMPANY, L.P.		9. API Well No. 30-025-41153
3a. Address 333 W. SHERIDAN OKLAHOMA CITY, OK. 73102	3b. Phone No. (include area code) (405) 552-4524	10. Field and Pool, or Exploratory CORBIN; BONE SPRING, SOUTH 13160
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface 1420 FSL & 2050 FWL, SECTION 28 At proposed prod. zone 660 FSL & 2310 FWL, SECTION 27		11. Sec., T. R. M. or Blk. and Survey or Area SECTION 28, T. 18 S., R. 33 E. SECTION 27, T. 18 S., R. 33 E.
14. Distance in miles and direction from nearest town or post office* 10.5 MILES SOUTHEAST OF MALJAMAR, NM.		12. County or Parish LEA
15. Distance from proposed* location to nearest property or lease line, ft. 730' @ SHL 660' @ BHL (Also to nearest drig. unit line, if any)		13. State NM
16. No. of acres in lease 320 (BHL) 1480 - SHL		17. Spacing Unit dedicated to this well 160
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 700' (BHL) 50' (SHL)		20. BLM/BIA Bond No. on file NMB-000801 CO-1104
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3781' 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:

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

25. Signature 	Name (Printed/Typed) BARRY W. HUNT	Date 7/31/12
Title PERMIT AGENT FOR DEVON ENERGY PRODUCTION COMPANY, L.P.		
Approved by (Signature) /s/George MacDonell	Name (Printed/Typed)	Date APR 29 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)

*(Instructions on page 2)

Capitan Controlled Water Basin

K2
04/03/13Approval Subject to General Requirements
& Special Stipulations AttachedSEE ATTACHED FOR
CONDITIONS OF APPROVAL

MAY 06 2013

DEVON ENERGY PRODUCTION, L. P.
DRILLING PLAN

REDSTART 28 FED COM 2H
SHL: 1420 FSL & 2050 FWL
Section 28, T. 18 S., R. 33 E.
BHL: 660 FSL & 2310 FWL
Section 27, T. 18 S., R. 33 E.
LEA County, NM

The elevation of the unprepared ground is 3781' 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: 15324'. TVD: 9738'.

Estimated tops of important geologic markers:

Quaternary – Alluvium	Surface*
Rustler	1404'
Salado/ Top of Salt	1591'
Base of Salt	2761'
Yates	2981'
Queen	4180'
Grayburg	4830'
Delaware	5560'
Bone Spring	7365'
2 nd Bone Spring	9020'
TVD	9738' (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 (1312 psi)
Queen	Oil (1839 psi)
Grayburg	Oil (2125 psi)
Delaware	Oil (2446 psi)
Bone Spring	Oil (3241 psi)
2 nd Bone Spring	Oil (3969 psi)
TVD	Oil BHP 4285 psi

Drilling Program / Surface Use Plan
Discipline-Specific Input Form

1. **Pressure Control Equipment**

BOP DESIGN: The BOP system used to drill the intermediate and production 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 prior 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 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.

2. **Casing and Cementing Plan Summary**

The surface fresh water sands will be protected by setting 13-3/8" casing at 1425' and circulating cement back to surface. The ~~fresh water sands~~ ^{5-1/2"} will be protected by setting 9-5/8" casing at 2800' and circulating cement to surface. The Bone Spring intervals will be isolated by setting 5-1/2" casing to total depth and circulating cement above the base of the 9-5/8" casing. All casing is new and API approved.

3. **Casing Program: (All new casing)**

Hole Size	Hole Interval	Casing OD	Casing Interval	Weight	Collar	Grade
17-1/2"	0 - 1,425' ¹⁴⁸⁰	13-3/8"	0 - 1,425'	54.5#	STC	J-55
12-1/4"	1,425' - 2,800' ²⁸²⁵	9-5/8"	0 - 2,800'	40#	LTC	J-55
8-3/4"	2,800' - 9,000'	5-1/2"	0 - 9,000'	17#	LTC	HCP-110
8-3/4"	9,000' - 15,324'	5-1/2"	9,000' - 15,324'	17#	BTC	HCP-110

4. **Design Factors:**

Casing Size	Collapse Design Factor	Burst Design Factor	Tension Design Factor
13-3/8"	1.53	2.34	4.15
9-5/8"	1.77	2.72	4.64
5-1/2" LTC	1.89	2.34	2.70
5-1/2" BTC	1.64	2.34	2.22

5. **Cement Program:**

13-3/8" Surface

Lead: 895 sacks Class C Cement + 2% bwoc Calcium Chloride + 0.125 lbs/sack Poly-E-Flake + 4% bwoc Bentonite + 70.1% Fresh Water, 13.5 ppg

Yield: 1.75 cf/sk

TOC @ surface

Tail: 335 sacks Class C Cement + 2% bwoc Calcium Chloride + 0.125 lbs/sack Poly-E-Flake + 63.1% Fresh Water, 14.8 ppg

Yield: 1.35 cf/sk

9-5/8" Intermediate

Lead: 535 sacks (65:35) Class C Cement:Poz (Fly Ash): + 5% bwow Sodium Chloride + 0.125 lbs/sack Poly-E-Flake + 6% bwoc Bentonite + 70.9% Fresh Water, 12.9 ppg

Yield: 1.85 cf/sk

Drilling Program / Surface Use Plan
Discipline-Specific Input Form

TOC @ surface

Tail: 245 sacks Class C Cement + 0.125 lbs/sack Poly-E-Flake + 63.5% Water, 14.8 ppg

Yield: 1.33 cf/sk

5-1/2" Production

1st Stage

Lead: 390 sacks (65:35) Class H Cement:Poz (Fly Ash) + 6% bwoc Bentonite + 0.2% bwoc HR-601 + 74.1% Fresh Water, 12.5 ppg

Yield: 1.95 cf/sk

Tail: 1690 sacks (50:50) Class H Cement:Poz (Fly Ash) + 1 lb/sk Sodium Chloride + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.1% bwoc HR-601 + 2% bwoc Bentonite + 58.8% Fresh Water, 14.5 ppg

Yield: 1.22 cf/sk

DV TOOL at 6500 ft

2nd Stage

Lead: 405 sacks Class C Cement + 3% bwoc Econolite + 0.125 lbs/sack Poly-E-Flake + 82.4% Fresh Water, 11.4 ppg

Yield: 2.87 cf/sk

Tail: 285 sacks Class C Cement + 0.125 lbs/sack Poly-E-Flake + 63.5% Fresh Water, 14.8 ppg

Yield: 1.33cf/sk

TOC @ 2300 ft

String	TOC
Surface	Surface
Intermediate	Surface
Production	2,300'

The above cement volumes are based on 25% excess. Actual cement volumes could be adjusted based on fluid caliper and caliper log data.

6. Proposed Mud Circulation System:

Depth Range	Mud Weight	Viscosity	Fluid Loss	Type System
0 - 1,425' 1,425' - 2,800'	8.4-8.6	28-32	NC	Fresh Water
1,425' - 2,800' 2,800' - 15,324'	9.9-10.1	28-29	NC	Brine
2,800' - 15,324'	8.7-9.2	28-29	NC	Fresh Water

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

Drilling Program / Surface Use Plan
Discipline-Specific Input Form

7. **LOGGING, CORING, AND TESTING PROGRAM:** *See COA*
- Drill stem tests will be based on geological sample shows.
 - If a drill stem test is anticipated; a procedure, equipment to be used and safety measures will be provided via sundry notice to the BLM.
 - The open hole electrical logging program will be:
 - Total depth to intermediate casing Dual Laterolog-Micro Laterolog with SP and Gamma Ray.
Compensated Neutron – Z Density log with Gamma Ray and Caliper.
 - Total Depth to Surface Compensated Neutron with Gamma Ray.
 - No coring program is planned.
 - 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.
8. **Auxiliary Well Control and Monitoring Equipment:**
- A Kelly cock will be in the drill string at all times.
 - A full opening drill pipe stabbing valve having the appropriate connections will be on the rig floor at all times.
 - Hydrogen Sulfide detection equipment will be in operation after drilling out the 13-3/8" casing shoe until the 5-1/2" casing is cemented. Breathing equipment will be on location upon drilling the 13-3/8" shoe until total depth is reached.
9. **Potential Hazards:**
- 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. All personnel will be familiar with all aspects of safe operation of equipment being used to drill this well. Estimated BHP of 4285 psi and estimated BHT 145°. No H₂S is anticipated to be encountered.
10. **Anticipated Starting Date and Duration of Operations:**
- Road and location construction will begin after the BLM has approved the APD. Anticipated spud date will be as soon as a rig becomes available following BLM approval. 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 the well and construct surface facilities and/or lay flow lines in order to place well on production.

Devon Energy Corporation

HALLIBURTON | Sperry Drilling



Project: Lea County, NM (NAD 83)
 Site: Redstart 28 Fed Com
 Well: Redstart 28 Fed Com 2H
 Wellbore: Wellbore #1
 Plan: Plan #2
 Rig: Cactus 126 0.00 0.00

SURFACE LOCATION

US State Plane 1983
 New Mexico Eastern Zone
 Elevation: GL 3781' + 25'KB @ 3806.00ft (Cactus 126)
 Northing Easting Latitude Longitude
 624544.90 745374.80 32° 42' 54.574 N 103° 40' 11.742 W

CASING DETAILS

TVD	MD	Name
500.00	500.00	Surface
2800.00	2800.00	Intermediate
9738.00	15323.28	Production

SECTION DETAILS

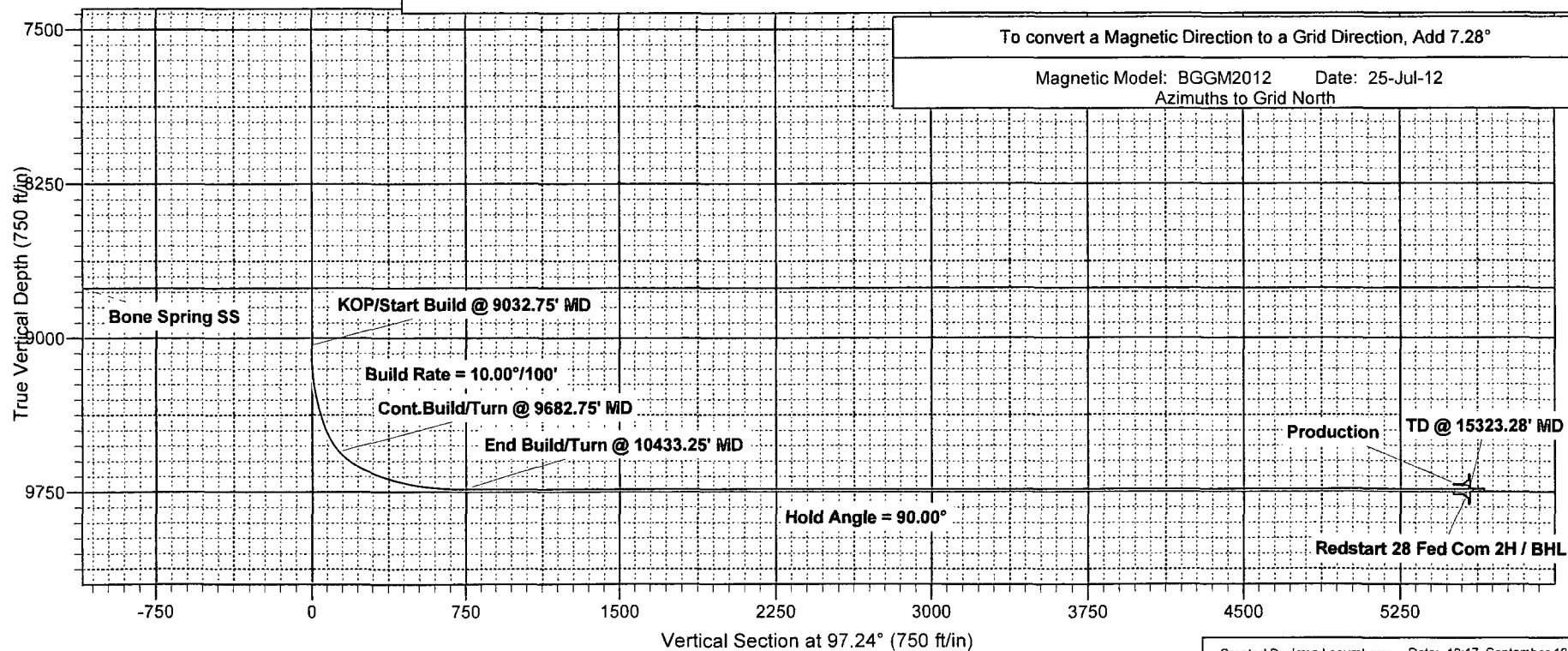
MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
9032.75	0.00	0.00	9032.75	0.00	0.00	0.00	0.00	0.00	KOP/Start Build
9682.75	65.00	163.50	9552.03	-317.19	93.96	10.00	163.50	133.18	Cont.Build/Turn
10433.25	90.00	90.04	9738.00	-699.87	647.27	10.00	-82.85	730.31	End Build/Turn
15323.28	90.00	90.04	9738.00	-703.10	5537.30	0.00	0.00	5581.76	TD

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

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Redstart 28 Fed Com 2H / BHL	9738.00	-703.10	5537.30	623841.80	750912.10	32° 42' 47.270 N	103° 39' 6.985 W

To convert a Magnetic Direction to a Grid Direction, Add 7.28°

Magnetic Model: BGGM2012 Date: 25-Jul-12
 Azimuths to Grid North





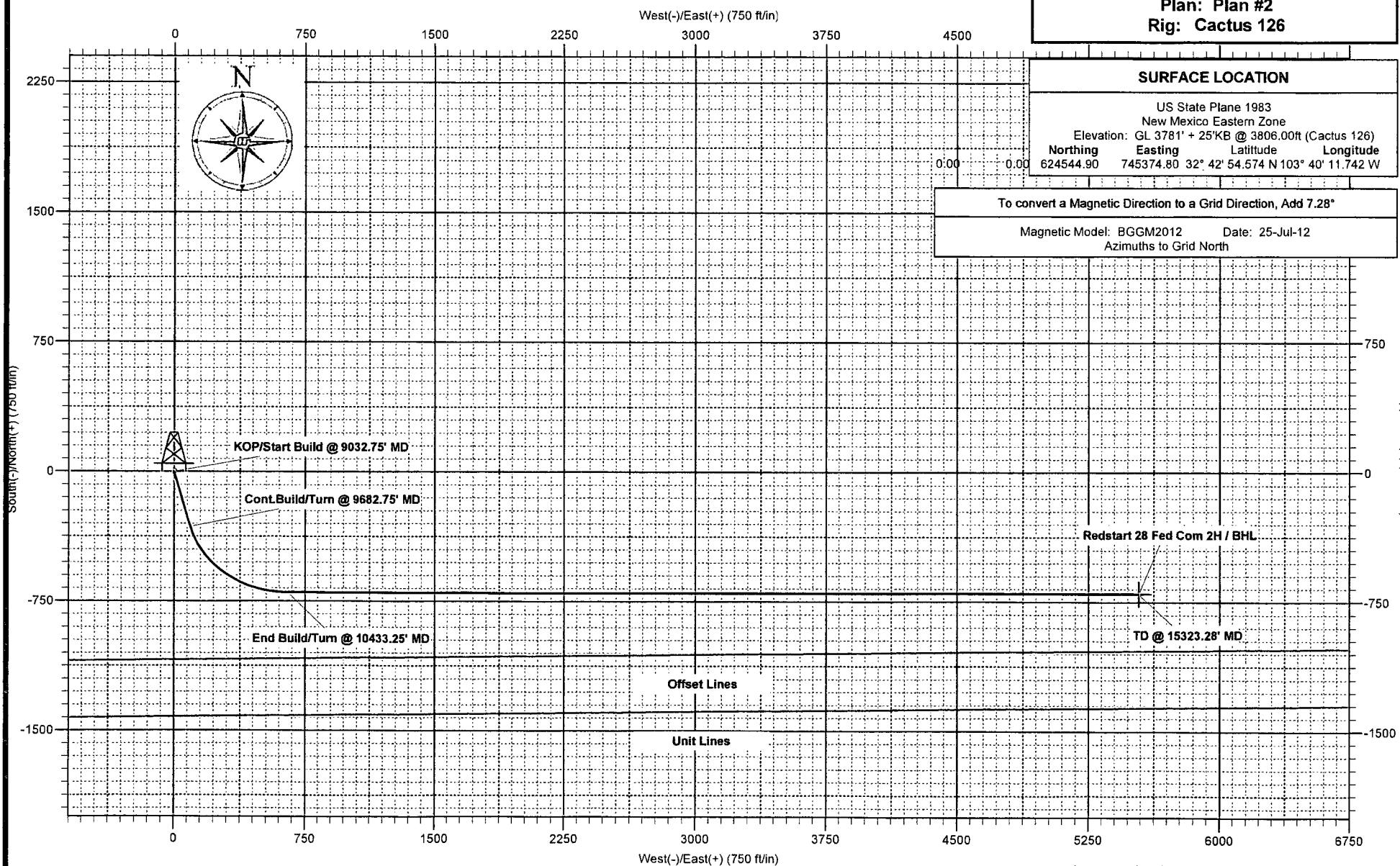
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SURFACE LOCATION

US State Plane 1983
 New Mexico Eastern Zone
 Elevation: GL 3781' + 25'KB @ 3806.00ft (Cactus 126)
 Northing 624544.90 Easting 745374.80 Latitude 32° 42' 54.574 N Longitude 103° 40' 11.742 W

To convert a Magnetic Direction to a Grid Direction, Add 7.28°

Magnetic Model: BGGM2012 Date: 25-Jul-12
 Azimuths to Grid North



Devon Energy Corporation

Lea County, NM (NAD 83)

Redstart 28 Fed Com

Redstart 28 Fed Com 2H

Wellbore #1

Plan: Plan #2

Sperry Drilling Services

Proposal Report

18 September, 2012

Well Coordinates: 624,544.90 N, 745,374.80 E (32° 42' 54.57" N, 103° 40' 11.74" W)

Ground Level: 3,781.00 ft

Local Coordinate Origin:

Centered on Well Redstart 28 Fed Com 2H

Viewing Datum:

GL 3781' + 25'KB @ 3806.00ft (Cactus 126)

TVDs to System:

N

North Reference:

Grid

Unit System:

API - US Survey Feet

Version: 2003.16 Build: 431

HALLIBURTON

HALLIBURTON

Plan Report for Redstart 28 Fed Com 2H - Plan #2

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
25.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rustler										
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surface										
1,608.00	0.00	0.00	1,608.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Salt										
2,780.00	0.00	0.00	2,780.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Base Salt										
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Intermediate										
5,550.00	0.00	0.00	5,550.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Delaware										
8,757.00	0.00	0.00	8,757.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bone Spring SS										
9,032.75	0.00	0.00	9,032.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP/Start Build @ 9032.75' MD										
9,032.76	0.00	163.50	9,032.76	0.00	0.00	0.00	0.00	0.00	0.00	163.50
Build Rate = 10.00°/100'										
9,100.00	6.73	163.50	9,099.85	-3.78	1.12	1.59	10.00	10.00	0.00	163.50
9,200.00	16.73	163.50	9,197.63	-23.24	6.88	9.76	10.00	10.00	0.00	0.00
9,300.00	26.73	163.50	9,290.41	-58.69	17.38	24.64	10.00	10.00	0.00	0.00
9,400.00	36.73	163.50	9,375.36	-109.04	32.30	45.78	10.00	10.00	0.00	0.00
9,500.00	46.73	163.50	9,449.90	-172.77	51.18	72.54	10.00	10.00	0.00	0.00
9,600.00	56.73	163.50	9,511.77	-247.95	73.45	104.11	10.00	10.00	0.00	0.00
9,682.75	65.00	163.50	9,552.03	-317.19	93.96	133.18	10.00	10.00	0.00	0.00
Cont.Build/Turn @ 9682.75' MD										
9,700.00	65.23	161.61	9,559.29	-332.12	98.65	139.72	10.00	1.31	-10.93	-82.85
9,800.00	66.99	150.85	9,599.88	-415.61	135.48	186.78	10.00	1.76	-10.77	-82.05
9,900.00	69.46	140.41	9,637.06	-492.07	187.87	248.39	10.00	2.47	-10.44	-77.68
10,000.00	72.53	130.34	9,669.69	-559.20	254.23	322.68	10.00	3.07	-10.07	-73.80
10,100.00	76.09	120.63	9,696.79	-614.94	332.55	407.40	10.00	3.56	-9.71	-70.51
10,200.00	80.03	111.23	9,717.51	-657.62	420.44	499.96	10.00	3.93	-9.40	-67.88
10,300.00	84.21	102.06	9,731.25	-685.92	515.23	597.56	10.00	4.19	-9.17	-65.93
10,400.00	88.55	93.03	9,737.57	-698.98	614.04	697.23	10.00	4.33	-9.03	-64.67
10,433.25	90.00	90.04	9,738.00	-699.87	647.27	730.31	10.00	4.37	-8.99	-64.10
End Build/Turn @ 10433.25' MD - Hold Angle = 90.00°										
10,500.00	90.00	90.04	9,738.00	-699.92	714.02	796.53	0.00	0.00	0.00	0.00
10,600.00	90.00	90.04	9,738.00	-699.98	814.02	895.75	0.00	0.00	0.00	0.00
10,700.00	90.00	90.04	9,738.00	-700.05	914.02	994.96	0.00	0.00	0.00	0.00
10,800.00	90.00	90.04	9,738.00	-700.11	1,014.02	1,094.17	0.00	0.00	0.00	0.00
10,900.00	90.00	90.04	9,738.00	-700.18	1,114.02	1,193.38	0.00	0.00	0.00	0.00
11,000.00	90.00	90.04	9,738.00	-700.25	1,214.02	1,292.59	0.00	0.00	0.00	0.00
11,100.00	90.00	90.04	9,738.00	-700.31	1,314.02	1,391.80	0.00	0.00	0.00	0.00
11,200.00	90.00	90.04	9,738.00	-700.38	1,414.02	1,491.01	0.00	0.00	0.00	0.00
11,300.00	90.00	90.04	9,738.00	-700.44	1,514.02	1,590.22	0.00	0.00	0.00	0.00
11,400.00	90.00	90.04	9,738.00	-700.51	1,614.02	1,689.43	0.00	0.00	0.00	0.00
11,500.00	90.00	90.04	9,738.00	-700.58	1,714.02	1,788.64	0.00	0.00	0.00	0.00
11,600.00	90.00	90.04	9,738.00	-700.64	1,814.02	1,887.85	0.00	0.00	0.00	0.00
11,700.00	90.00	90.04	9,738.00	-700.71	1,914.02	1,987.07	0.00	0.00	0.00	0.00
11,800.00	90.00	90.04	9,738.00	-700.77	2,014.02	2,086.28	0.00	0.00	0.00	0.00
11,900.00	90.00	90.04	9,738.00	-700.84	2,114.02	2,185.49	0.00	0.00	0.00	0.00
12,000.00	90.00	90.04	9,738.00	-700.91	2,214.02	2,284.70	0.00	0.00	0.00	0.00
12,100.00	90.00	90.04	9,738.00	-700.97	2,314.02	2,383.91	0.00	0.00	0.00	0.00
12,200.00	90.00	90.04	9,738.00	-701.04	2,414.02	2,483.12	0.00	0.00	0.00	0.00
12,300.00	90.00	90.04	9,738.00	-701.10	2,514.02	2,582.33	0.00	0.00	0.00	0.00
12,400.00	90.00	90.04	9,738.00	-701.17	2,614.02	2,681.54	0.00	0.00	0.00	0.00

HALLIBURTON

Plan Report for Redstart 28 Fed Com 2H - Plan #2

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 (°)
12,500.00	90.00	90.04	9,738.00	-701.24	2,714.02	2,780.75	0.00	0.00	0.00	0.00
12,600.00	90.00	90.04	9,738.00	-701.30	2,814.02	2,879.96	0.00	0.00	0.00	0.00
12,700.00	90.00	90.04	9,738.00	-701.37	2,914.02	2,979.18	0.00	0.00	0.00	0.00
12,800.00	90.00	90.04	9,738.00	-701.43	3,014.02	3,078.39	0.00	0.00	0.00	0.00
12,900.00	90.00	90.04	9,738.00	-701.50	3,114.02	3,177.60	0.00	0.00	0.00	0.00
13,000.00	90.00	90.04	9,738.00	-701.57	3,214.02	3,276.81	0.00	0.00	0.00	0.00
13,100.00	90.00	90.04	9,738.00	-701.63	3,314.02	3,376.02	0.00	0.00	0.00	0.00
13,200.00	90.00	90.04	9,738.00	-701.70	3,414.02	3,475.23	0.00	0.00	0.00	0.00
13,300.00	90.00	90.04	9,738.00	-701.76	3,514.02	3,574.44	0.00	0.00	0.00	0.00
13,400.00	90.00	90.04	9,738.00	-701.83	3,614.02	3,673.65	0.00	0.00	0.00	0.00
13,500.00	90.00	90.04	9,738.00	-701.90	3,714.02	3,772.86	0.00	0.00	0.00	0.00
13,600.00	90.00	90.04	9,738.00	-701.96	3,814.02	3,872.07	0.00	0.00	0.00	0.00
13,700.00	90.00	90.04	9,738.00	-702.03	3,914.02	3,971.29	0.00	0.00	0.00	0.00
13,800.00	90.00	90.04	9,738.00	-702.09	4,014.02	4,070.50	0.00	0.00	0.00	0.00
13,900.00	90.00	90.04	9,738.00	-702.16	4,114.02	4,169.71	0.00	0.00	0.00	0.00
14,000.00	90.00	90.04	9,738.00	-702.23	4,214.02	4,268.92	0.00	0.00	0.00	0.00
14,100.00	90.00	90.04	9,738.00	-702.29	4,314.02	4,368.13	0.00	0.00	0.00	0.00
14,200.00	90.00	90.04	9,738.00	-702.36	4,414.02	4,467.34	0.00	0.00	0.00	0.00
14,300.00	90.00	90.04	9,738.00	-702.42	4,514.02	4,566.55	0.00	0.00	0.00	0.00
14,400.00	90.00	90.04	9,738.00	-702.49	4,614.02	4,665.76	0.00	0.00	0.00	0.00
14,500.00	90.00	90.04	9,738.00	-702.56	4,714.02	4,764.97	0.00	0.00	0.00	0.00
14,600.00	90.00	90.04	9,738.00	-702.62	4,814.02	4,864.18	0.00	0.00	0.00	0.00
14,700.00	90.00	90.04	9,738.00	-702.69	4,914.02	4,963.40	0.00	0.00	0.00	0.00
14,800.00	90.00	90.04	9,738.00	-702.75	5,014.02	5,062.61	0.00	0.00	0.00	0.00
14,900.00	90.00	90.04	9,738.00	-702.82	5,114.02	5,161.82	0.00	0.00	0.00	0.00
15,000.00	90.00	90.04	9,738.00	-702.89	5,214.02	5,261.03	0.00	0.00	0.00	0.00
15,100.00	90.00	90.04	9,738.00	-702.95	5,314.02	5,360.24	0.00	0.00	0.00	0.00
15,200.00	90.00	90.04	9,738.00	-703.02	5,414.02	5,459.45	0.00	0.00	0.00	0.00
15,300.00	90.00	90.04	9,738.00	-703.08	5,514.02	5,558.66	0.00	0.00	0.00	0.00
15,323.28	90.00	90.04	9,738.00	-703.10	5,537.30	5,581.76	0.00	0.00	0.00	0.00
TD @ 15323.28' MD - Production										

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
9,032.75	9,032.75	0.00	0.00	KOP/Start Build @ 9032.75' MD
9,032.76	9,032.76	0.00	0.00	Build Rate = 10.00°/100'
9,682.75	9,552.03	-317.19	93.96	Cont.Build/Turn @ 9682.75' MD
10,433.25	9,738.00	-699.87	647.27	End Build/Turn @ 10433.25' MD
10,433.25	9,738.00	-699.87	647.27	Hold Angle = 90.00°
15,323.28	9,738.00	-703.10	5,537.30	TD @ 15323.28' MD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin		Start TVD (ft)
				+N/-S (ft)	+E/-W (ft)	
User	No Target (Freehand)	97.24	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
0.00	15,323.23	Plan #2	MWD

HALLIBURTON

Plan Report for Redstart 28 Fed Com 2H - Plan #2

Casing Details

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
500.00	500.00	Surface	13-3/8	17-1/2
2,800.00	2,800.00	Intermediate	9-5/8	12-1/4
15,323.28	9,738.00	Production	5-1/2	8-3/4

Formation Details

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
25.00	25.00	Rustler		0.00	90.04
1,608.00	1,608.00	Salt		0.00	90.04
2,780.00	2,780.00	Base Salt		0.00	90.04
5,550.00	5,550.00	Delaware		0.00	90.04
8,757.00	8,757.00	Bone Spring SS		0.00	90.04

Targets associated with this wellbore

Target Name	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Shape
Redstart 28 Fed Com 2H / BHL	9,738.00	-703.10	5,537.30	Point

HALLIBURTON

North Reference Sheet for Redstart 28 Fed Com - Redstart 28 Fed 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 3781' + 25'KB @ 3806.00ft (Cactus 126). Northing and Easting are relative to Redstart 28 Fed 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: 0.99995676

Grid Coordinates of Well: 624,544.90 ft N, 745,374.80 ft E

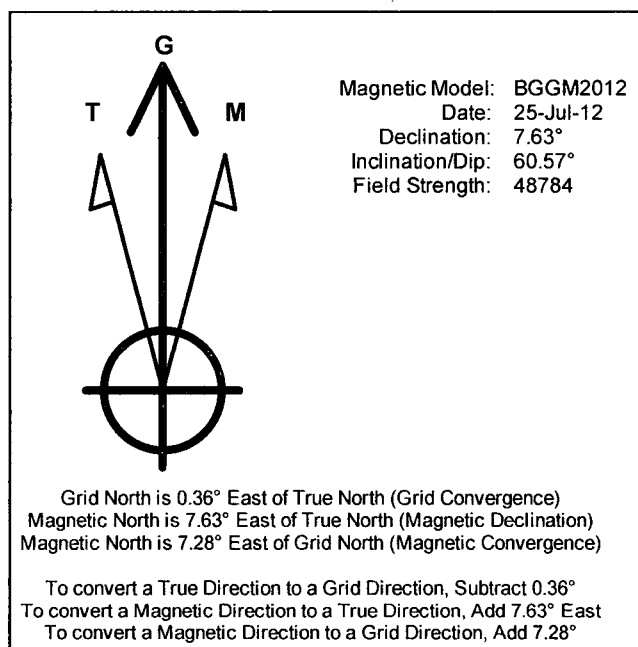
Geographical Coordinates of Well: 32° 42' 54.57" N, 103° 40' 11.74" W

Grid Convergence at Surface is: 0.36°

Based upon Minimum Curvature type calculations, at a Measured Depth of 15,323.28ft

the Bottom Hole Displacement is 5,581.76ft in the Direction of 97.24° (Grid).

Magnetic Convergence at surface is: -7.28° (25 July 2012, , BGGM2012)



Standard Survey

Company: Devon Energy Corporation
Project: Lea County
Site: Redstart 28 Fed Com
Well: Redstart 28 Fed Com 2H
Wellbore: Wellbore #1
Design/Survey: Plan #2
North Reference Grid

MD ft	Inc °	Azi (Grid) °	TVDSS ft	TVD ft	N/S ft	E/W ft
0.00	0.00	0.00	-3806.00	0.00	0.00	0.00
100.00	0.00	0.00	-3706.00	100.00	0.00	0.00
200.00	0.00	0.00	-3606.00	200.00	0.00	0.00
300.00	0.00	0.00	-3506.00	300.00	0.00	0.00
400.00	0.00	0.00	-3406.00	400.00	0.00	0.00
500.00	0.00	0.00	-3306.00	500.00	0.00	0.00
600.00	0.00	0.00	-3206.00	600.00	0.00	0.00
700.00	0.00	0.00	-3106.00	700.00	0.00	0.00
800.00	0.00	0.00	-3006.00	800.00	0.00	0.00
900.00	0.00	0.00	-2906.00	900.00	0.00	0.00
1000.00	0.00	0.00	-2806.00	1000.00	0.00	0.00
1100.00	0.00	0.00	-2706.00	1100.00	0.00	0.00
1200.00	0.00	0.00	-2606.00	1200.00	0.00	0.00
1300.00	0.00	0.00	-2506.00	1300.00	0.00	0.00
1400.00	0.00	0.00	-2406.00	1400.00	0.00	0.00
1500.00	0.00	0.00	-2306.00	1500.00	0.00	0.00
1600.00	0.00	0.00	-2206.00	1600.00	0.00	0.00
1700.00	0.00	0.00	-2106.00	1700.00	0.00	0.00
1800.00	0.00	0.00	-2006.00	1800.00	0.00	0.00
1900.00	0.00	0.00	-1906.00	1900.00	0.00	0.00
2000.00	0.00	0.00	-1806.00	2000.00	0.00	0.00
2100.00	0.00	0.00	-1706.00	2100.00	0.00	0.00
2200.00	0.00	0.00	-1606.00	2200.00	0.00	0.00
2300.00	0.00	0.00	-1506.00	2300.00	0.00	0.00
2400.00	0.00	0.00	-1406.00	2400.00	0.00	0.00
2500.00	0.00	0.00	-1306.01	2500.00	0.00	0.00
2599.99	0.00	0.00	-1206.01	2599.99	0.00	0.00
2699.99	0.00	0.00	-1106.01	2699.99	0.00	0.00
2799.99	0.00	0.00	-1006.01	2799.99	0.00	0.00
2899.99	0.00	0.00	-906.01	2899.99	0.00	0.00
2999.99	0.00	0.00	-806.01	2999.99	0.00	0.00
3099.99	0.00	0.00	-706.01	3099.99	0.00	0.00
3199.99	0.00	0.00	-606.01	3199.99	0.00	0.00
3299.99	0.00	0.00	-506.01	3299.99	0.00	0.00
3399.99	0.00	0.00	-406.01	3399.99	0.00	0.00
3499.99	0.00	0.00	-306.01	3499.99	0.00	0.00
3599.99	0.00	0.00	-206.01	3599.99	0.00	0.00

3699.99	0.00	0.00	-106.01	3699.99	0.00	0.00
3799.99	0.00	0.00	-6.01	3799.99	0.00	0.00
3899.99	0.00	0.00	93.99	3899.99	0.00	0.00
3999.99	0.00	0.00	193.99	3999.99	0.00	0.00
4099.99	0.00	0.00	293.99	4099.99	0.00	0.00
4199.99	0.00	0.00	393.99	4199.99	0.00	0.00
4299.99	0.00	0.00	493.99	4299.99	0.00	0.00
4399.99	0.00	0.00	593.99	4399.99	0.00	0.00
4499.99	0.00	0.00	693.99	4499.99	0.00	0.00
4599.99	0.00	0.00	793.99	4599.99	0.00	0.00
4699.99	0.00	0.00	893.99	4699.99	0.00	0.00
4799.99	0.00	0.00	993.99	4799.99	0.00	0.00
4899.99	0.00	0.00	1093.99	4899.99	0.00	0.00
4999.99	0.00	0.00	1193.99	4999.99	0.00	0.00
5099.99	0.00	0.00	1293.99	5099.99	0.00	0.00
5199.99	0.00	0.00	1393.99	5199.99	0.00	0.00
5299.99	0.00	0.00	1493.99	5299.99	0.00	0.00
5399.99	0.00	0.00	1593.99	5399.99	0.00	0.00
5499.99	0.00	0.00	1693.99	5499.99	0.00	0.00
5599.99	0.00	0.00	1793.99	5599.99	0.00	0.00
5699.99	0.00	0.00	1893.99	5699.99	0.00	0.00
5799.99	0.00	0.00	1993.99	5799.99	0.00	0.00
5899.99	0.00	0.00	2093.99	5899.99	0.00	0.00
5999.99	0.00	0.00	2193.99	5999.99	0.00	0.00
6099.99	0.00	0.00	2293.99	6099.99	0.00	0.00
6199.99	0.00	0.00	2393.99	6199.99	0.00	0.00
6299.99	0.00	0.00	2493.99	6299.99	0.00	0.00
6399.99	0.00	0.00	2593.99	6399.99	0.00	0.00
6499.99	0.00	0.00	2693.99	6499.99	0.00	0.00
6599.99	0.00	0.00	2793.99	6599.99	0.00	0.00
6699.99	0.00	0.00	2893.99	6699.99	0.00	0.00
6799.99	0.00	0.00	2993.99	6799.99	0.00	0.00
6899.99	0.00	0.00	3093.99	6899.99	0.00	0.00
6999.99	0.00	0.00	3193.99	6999.99	0.00	0.00
7099.99	0.00	0.00	3293.99	7099.99	0.00	0.00
7199.99	0.00	0.00	3393.99	7199.99	0.00	0.00
7299.99	0.00	0.00	3493.99	7299.99	0.00	0.00
7399.99	0.00	0.00	3593.99	7399.99	0.00	0.00
7499.99	0.00	0.00	3693.98	7499.99	0.00	0.00
7599.98	0.00	0.00	3793.98	7599.98	0.00	0.00
7699.98	0.00	0.00	3893.98	7699.98	0.00	0.00
7799.98	0.00	0.00	3993.98	7799.98	0.00	0.00
7899.98	0.00	0.00	4093.98	7899.98	0.00	0.00
7999.98	0.00	0.00	4193.98	7999.98	0.00	0.00
8099.98	0.00	0.00	4293.98	8099.98	0.00	0.00
8199.98	0.00	0.00	4393.98	8199.98	0.00	0.00
8299.98	0.00	0.00	4493.98	8299.98	0.00	0.00
8399.98	0.00	0.00	4593.98	8399.98	0.00	0.00
8499.98	0.00	0.00	4693.98	8499.98	0.00	0.00
8599.98	0.00	0.00	4793.98	8599.98	0.00	0.00
8699.98	0.00	0.00	4893.98	8699.98	0.00	0.00
8799.98	0.00	0.00	4993.98	8799.98	0.00	0.00

8899.98	0.00	0.00	5093.98	8899.98	0.00	0.00
8999.98	0.00	0.00	5193.98	8999.98	0.00	0.00
9032.75	0.00	0.00	5226.75	9032.75	0.00	0.00
9099.98	6.72	163.50	5293.83	9099.83	-3.78	1.12
9199.98	16.72	163.50	5391.62	9197.62	-23.23	6.88
9299.98	26.72	163.50	5484.40	9290.40	-58.68	17.38
9399.98	36.72	163.50	5569.35	9375.35	-109.03	32.30
9499.98	46.72	163.50	5643.89	9449.89	-172.76	51.17
9599.98	56.72	163.50	5705.76	9511.76	-247.94	73.44
9682.75	65.00	163.50	5746.03	9552.03	-317.19	93.96
9699.98	65.23	161.62	5753.28	9559.28	-332.10	98.64
9799.98	66.99	150.85	5793.88	9599.88	-415.59	135.47
9899.98	69.46	140.41	5831.06	9637.06	-492.06	187.86
9999.98	72.53	130.34	5863.69	9669.69	-559.19	254.22
10099.98	76.09	120.63	5890.78	9696.78	-614.93	332.53
10199.98	80.03	111.23	5911.51	9717.51	-657.61	420.42
10299.98	84.21	102.06	5925.25	9731.25	-685.91	515.21
10399.98	88.55	93.03	5931.57	9737.57	-698.98	614.02
10433.25	90.00	90.04	5932.00	9738.00	-699.87	647.27
10499.98	90.00	90.04	5932.00	9738.00	-699.92	714.00
10599.98	90.00	90.04	5932.00	9738.00	-699.98	814.00
10699.98	90.00	90.04	5932.00	9738.00	-700.05	914.00
10799.98	90.00	90.04	5932.00	9738.00	-700.11	1014.00
10899.98	90.00	90.04	5932.00	9738.00	-700.18	1114.00
10999.98	90.00	90.04	5932.00	9738.00	-700.25	1214.00
11099.98	90.00	90.04	5932.00	9738.00	-700.31	1314.00
11199.98	90.00	90.04	5932.00	9738.00	-700.38	1414.00
11299.98	90.00	90.04	5932.00	9738.00	-700.44	1514.00
11399.98	90.00	90.04	5932.00	9738.00	-700.51	1614.00
11499.98	90.00	90.04	5932.00	9738.00	-700.58	1714.00
11599.98	90.00	90.04	5932.00	9738.00	-700.64	1814.00
11699.98	90.00	90.04	5932.00	9738.00	-700.71	1914.00
11799.98	90.00	90.04	5932.00	9738.00	-700.77	2014.00
11899.98	90.00	90.04	5932.00	9738.00	-700.84	2114.00
11999.98	90.00	90.04	5932.00	9738.00	-700.91	2214.00
12099.98	90.00	90.04	5932.00	9738.00	-700.97	2313.99
12199.98	90.00	90.04	5932.00	9738.00	-701.04	2413.99
12299.98	90.00	90.04	5932.00	9738.00	-701.10	2513.99
12399.98	90.00	90.04	5932.00	9738.00	-701.17	2613.99
12499.98	90.00	90.04	5932.00	9738.00	-701.24	2713.99
12599.97	90.00	90.04	5932.00	9738.00	-701.30	2813.99
12699.97	90.00	90.04	5932.00	9738.00	-701.37	2913.99
12799.97	90.00	90.04	5932.00	9738.00	-701.43	3013.99
12899.97	90.00	90.04	5932.00	9738.00	-701.50	3113.99
12999.97	90.00	90.04	5932.00	9738.00	-701.57	3213.99
13099.97	90.00	90.04	5932.00	9738.00	-701.63	3313.99
13199.97	90.00	90.04	5932.00	9738.00	-701.70	3413.99
13299.97	90.00	90.04	5932.00	9738.00	-701.76	3513.99
13399.97	90.00	90.04	5932.00	9738.00	-701.83	3613.99
13499.97	90.00	90.04	5932.00	9738.00	-701.90	3713.99
13599.97	90.00	90.04	5932.00	9738.00	-701.96	3813.99
13699.97	90.00	90.04	5932.00	9738.00	-702.03	3913.99

13799.97	90.00	90.04	5932.00	9738.00	-702.09	4013.99
13899.97	90.00	90.04	5932.00	9738.00	-702.16	4113.99
13999.97	90.00	90.04	5932.00	9738.00	-702.23	4213.99
14099.97	90.00	90.04	5932.00	9738.00	-702.29	4313.99
14199.97	90.00	90.04	5932.00	9738.00	-702.36	4413.99
14299.97	90.00	90.04	5932.00	9738.00	-702.42	4513.99
14399.97	90.00	90.04	5932.00	9738.00	-702.49	4613.99
14499.97	90.00	90.04	5932.00	9738.00	-702.56	4713.99
14599.97	90.00	90.04	5932.00	9738.00	-702.62	4813.99
14699.97	90.00	90.04	5932.00	9738.00	-702.69	4913.99
14799.97	90.00	90.04	5932.00	9738.00	-702.75	5013.99
14899.97	90.00	90.04	5932.00	9738.00	-702.82	5113.99
14999.97	90.00	90.04	5932.00	9738.00	-702.89	5213.99
15099.97	90.00	90.04	5932.00	9738.00	-702.95	5313.99
15199.97	90.00	90.04	5932.00	9738.00	-703.02	5413.99
15299.97	90.00	90.04	5932.00	9738.00	-703.08	5513.99
15323.28	90.00	90.04	5932.00	9738.00	-703.10	5537.30

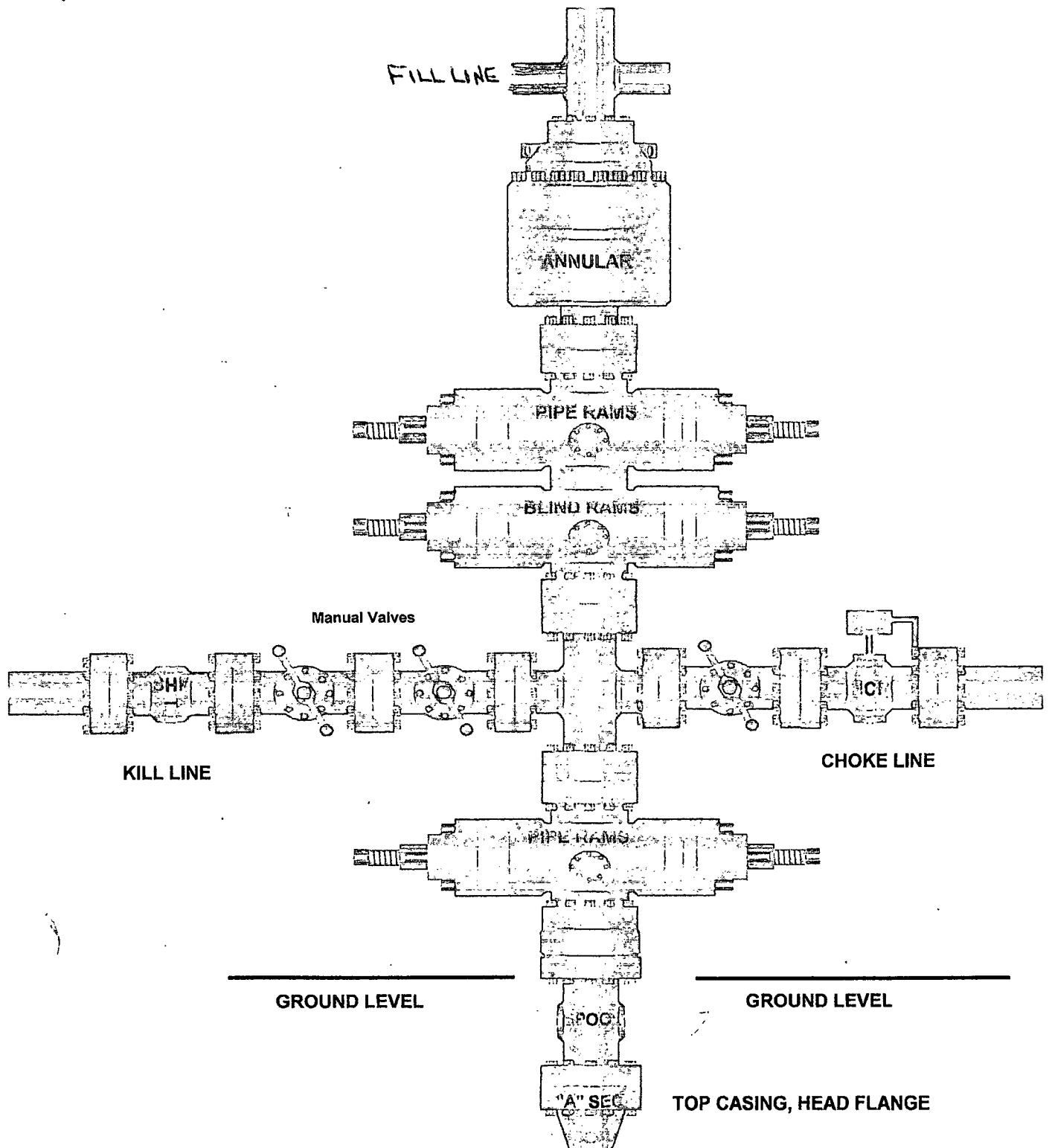
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624544.90	745374.80	0.00	0.00
624544.90	745374.80	0.00	0.00
624541.12	745375.92	10.00	1.59
624521.67	745381.68	10.00	9.76
624486.22	745392.18	10.00	24.64
624435.87	745407.10	10.00	45.78
624372.14	745425.97	10.00	72.54
624296.97	745448.24	10.00	104.10
624227.71	745468.76	10.00	133.18
624212.80	745473.44	10.00	139.71
624129.31	745510.27	10.00	186.77
624052.84	745562.66	10.00	248.38
623985.71	745629.02	10.00	322.67
623929.97	745707.33	10.00	407.38
623887.29	745795.22	10.00	499.94
623858.99	745890.01	10.00	597.54
623845.92	745988.82	10.00	697.21
623845.03	746022.07	10.00	730.31
623844.98	746088.80	0.00	796.51
623844.92	746188.80	0.00	895.72
623844.85	746288.80	0.00	994.93
623844.79	746388.80	0.00	1094.15
623844.72	746488.80	0.00	1193.36
623844.65	746588.80	0.00	1292.57
623844.59	746688.80	0.00	1391.78
623844.52	746788.80	0.00	1490.99
623844.46	746888.80	0.00	1590.20
623844.39	746988.80	0.00	1689.41
623844.32	747088.80	0.00	1788.62
623844.26	747188.80	0.00	1887.83
623844.19	747288.80	0.00	1987.04
623844.13	747388.80	0.00	2086.25
623844.06	747488.80	0.00	2185.46
623843.99	747588.80	0.00	2284.68
623843.93	747688.80	0.00	2383.89
623843.86	747788.80	0.00	2483.10
623843.80	747888.79	0.00	2582.31
623843.73	747988.79	0.00	2681.52
623843.66	748088.79	0.00	2780.73
623843.60	748188.79	0.00	2879.94
623843.53	748288.79	0.00	2979.15
623843.47	748388.79	0.00	3078.36
623843.40	748488.79	0.00	3177.57
623843.33	748588.79	0.00	3276.78
623843.27	748688.79	0.00	3375.99
623843.20	748788.79	0.00	3475.20
623843.14	748888.79	0.00	3574.42
623843.07	748988.79	0.00	3673.63
623843.00	749088.79	0.00	3772.84
623842.94	749188.79	0.00	3872.05
623842.87	749288.79	0.00	3971.26

623842.81	749388.79	0.00	4070.47
623842.74	749488.79	0.00	4169.68
623842.67	749588.79	0.00	4268.89
623842.61	749688.79	0.00	4368.10
623842.54	749788.79	0.00	4467.31
623842.48	749888.79	0.00	4566.52
623842.41	749988.79	0.00	4665.73
623842.34	750088.79	0.00	4764.94
623842.28	750188.79	0.00	4864.16
623842.21	750288.79	0.00	4963.37
623842.15	750388.79	0.00	5062.58
623842.08	750488.79	0.00	5161.79
623842.01	750588.79	0.00	5261.00
623841.95	750688.79	0.00	5360.21
623841.88	750788.79	0.00	5459.42
623841.82	750888.79	0.00	5558.63
623841.80	750912.10	0.00	5581.76

13-5/8" x 3,000 psi BOP Stack

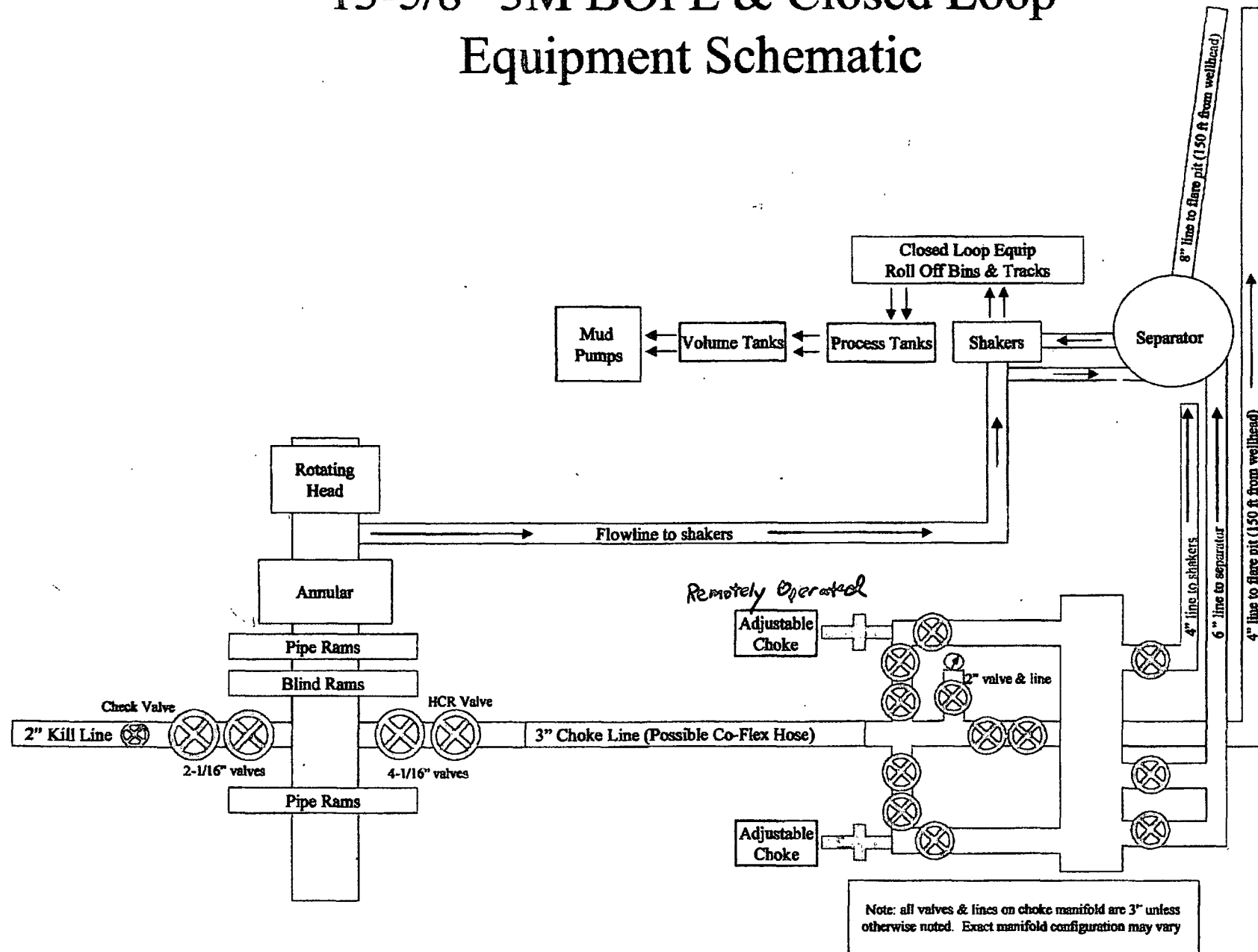


Attachment to Exhibit #1
NOTES REGARDING BLOWOUT PREVENTERS
Devon Energy Production Company, LP
Redstart 28 Fed Com 2H

Surface Location: 1420' FSL & 2050' FWL, Unit K, Sec 28 T18S R33E, Lea, NM
Bottom Hole Location: 660' FNL & 2310' FWL, Unit N, Sec 27 T18S R33E, 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 5000 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

