Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs
HOBBS OCD
OCT 18 2012
RECEIVED

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

***SUBMIT IN TRIPLICATE** – Other instructions on page 2.*

5. Lease Serial No.
NMNM 92781

6. If Indian, Allottee or Tribe Name

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

1. Type of Well
☑ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
Gaucho Unit 6

2. Name of Operator
Devon Energy Production Company, L.P.

9. API Well No.
30-025-34789

3a. Address
333 West Sheridan Ave , Oklahoma City, OK 73102-5010

3b. Phone No. *(include area code)*
405-235-3611

10. Field and Pool or Exploratory Area
OJO CHISO, W. MORROW

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
660 FSL & 660 FEL, SEC 17 T22S R34E, Unit "P"

11 Country or Parish, State
Lea County, NM

12 CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☑ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other Sidetrack
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Devon Energy Production Company L.P. respectfully requests approval to sidetrack the existing well as follows:

1) MIRU H&P 416 Drilling rig. RIH and set whipstock @ 10,752'.

2) Sidetrack out of 7" csg and drill with a 6-1/8" bit to 16,769' MD (11,370' TVD).

3) Run 4-1/2", 13.5#/ft, BTC, P-110 casing from 10,450' to 16,769'.

4) Cement 4-1/2" csg w/ 515sx Cl H cmt + 1#/sx Sodium Chloride + 0.5% bwoc Halad-344 + 0.4% bwoc CFR-3 + 0.1% bwoc HR-601 + 2% bwoc Bentonite + 58.8% FW, 14.5 ppg, Yld. 1.22 cf/sx.

5) Complete well in the 3rd Bone Spring interval.

See attached C-102, 4-1/2" casing program, design factors, mud program, pressure control equipment & cement program.

SEE ATTACHED FOR CONDITIONS OF APPROVAL

APPROVED
OCT 15 2012
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

14. I hereby certify that the foregoing is true and correct.
Name *(Printed/Typed)*
DAVID H. COOK

Title REGULATORY SPECIALIST

Signature

Date 09/21/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice 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.

Office

EGS 11-8-2012

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)

Gaucho 6H Re-entry – DRILLING PLAN
KKS 8-20-2012

Casing Program

Hole Size	Hole Interval	OD Csg	Casing Interval	Weight	Collar	Grade
6-1/8	10,943 – 16,769	4-1/2"	10,450 – 16,769	13.5#	BTC	P-110

MAX TVD: 11,370'

Design Factors

Casing Size	Collapse Design Factor	Burst Design Factor	Tension Design Factor
4-1/2" 13.5# P-110 BTC	2.01	2.33	1.86

Mud Program

Depth	Mud Wt.	Visc.	Fluid Loss	Type System
0 – 16,769	8.4 – 9.0	28 – 34	N/C	FW

Pressure Control Equipment
The BOP system used to drill the production hole 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 intermediate casing shoe. * See COA

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**. * See COA

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.

Cementing Program (cement volumes based on at least 25% excess)

4-1/2" Production

Tail: 515 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

TOC for All Strings. See COA
Surface: 0
Intermediate: 0
Production: ~~10,250 ft~~ 10,450' per wellbore diagram

ACTUAL CEMENT VOLUMES WILL BE ADJUSTED BASED ON FLUID CALIPER AND CALIPER LOG DATA.

Attachment to Exhibit #1
NOTES REGARDING BLOWOUT PREVENTERS
Devon Energy Production Company, LP
Gaucho Unit 6H
Surface Location: 660' FSL & 660' FEL of Section 17-22S-34E, Lea, NM
Bottom Hole Location: 330' FSL & 660' FEL of Section 20-22S-34E, 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.

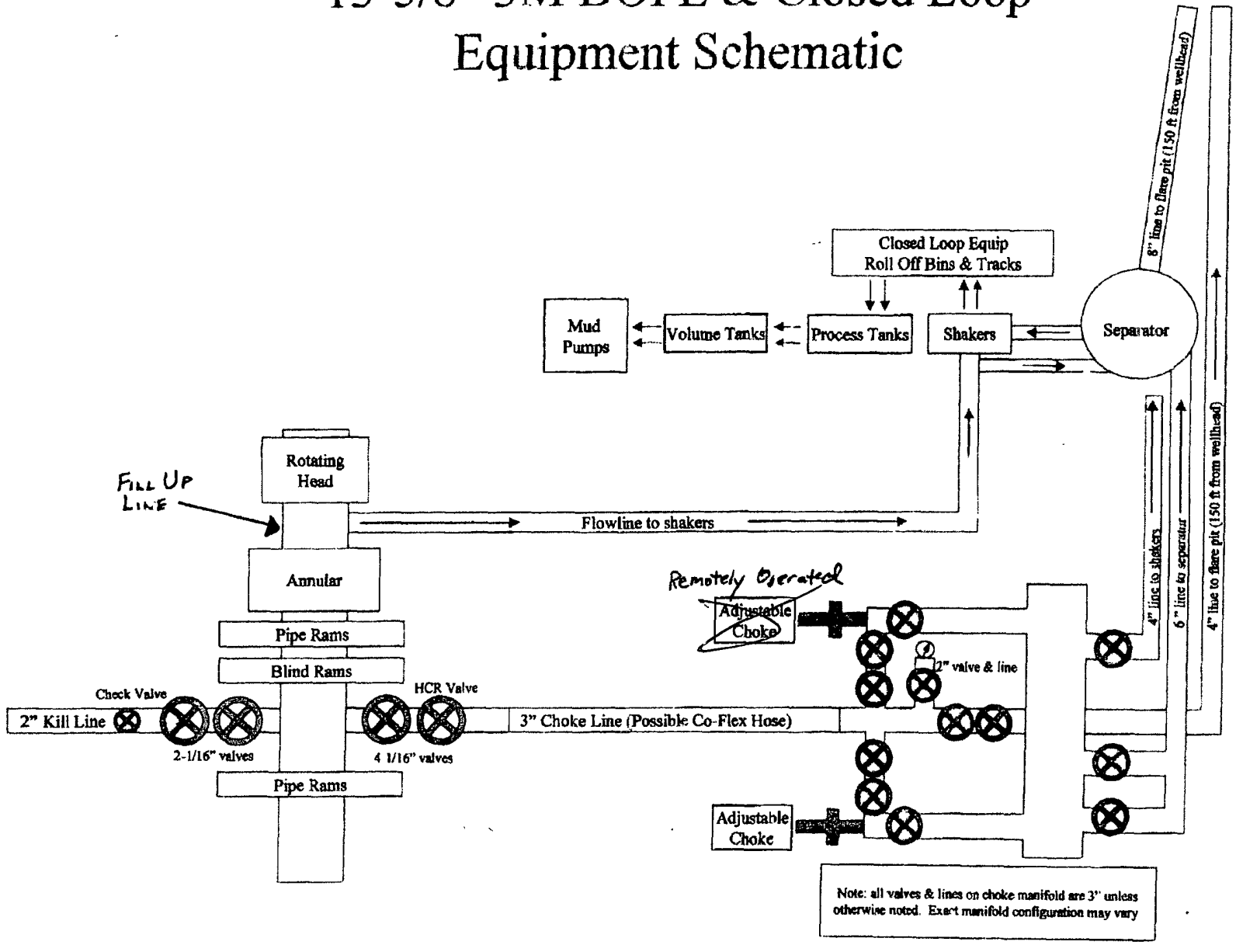
8. Will maintain a kelly cock attached to the kelly.

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.

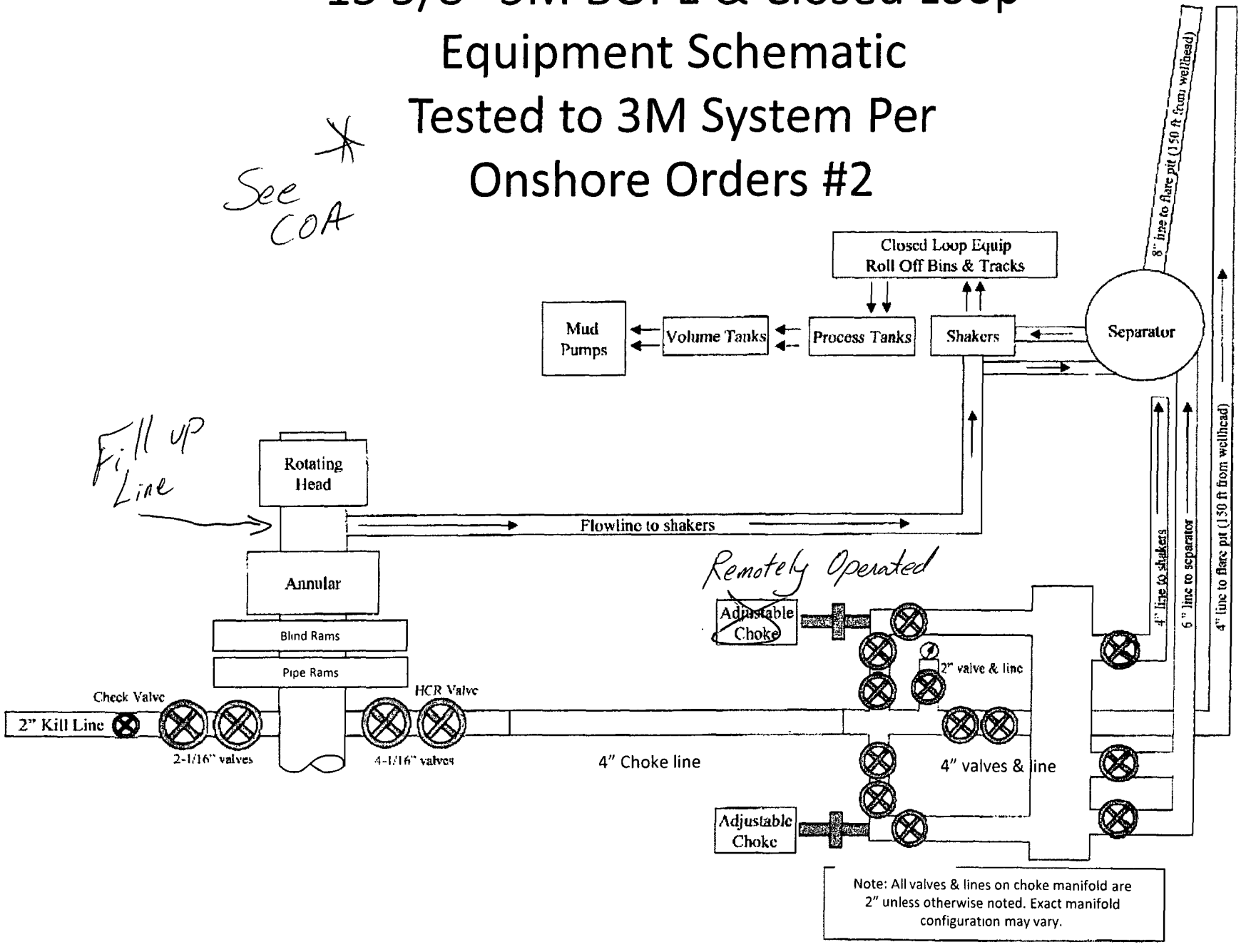
11. All BOP equipment will meet API standards and include a minimum 40 gallon accumulator having two independent means of power to initiate closing operation.

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



13 5/8" 5M BOPE & Closed Loop Equipment Schematic Tested to 3M System Per Onshore Orders #2

See COA



Continental CONTITECH

Fluid Technology

Quality Document

QUALITY CONTROL INSPECTION AND TEST CERTIFICATE

CERT. N°: 1713

PURCHASER:	ContiTech Beattie Co.	P.O. N°:	002808
CONTITECH ORDER N°:	426127	HOSE TYPE:	3" ID Choke and Kill Hose
HOSE SERIAL N°:	53622	NOMINAL / ACTUAL LENGTH:	10,67 m

W.P.	68,96	MPa	10000	psi	T.P.	103,4	MPa	15000	psi

Duration: 60 min.

Pressure test with water at ambient temperature

See attachment. (1 page)

↑ 10 mm = 10 Min.

→ 10 mm = 25 MPa

COUPLINGS Type	Serial N°	Quality	Heat N°
3" coupling with	5503 2029	AISI 4130	N1590P
4 1/16" Flange end		AISI 4130	27566

INFOCHIP INSTALLED

API Spec 16 C
Temperature rate:"B"

All metal parts are flawless

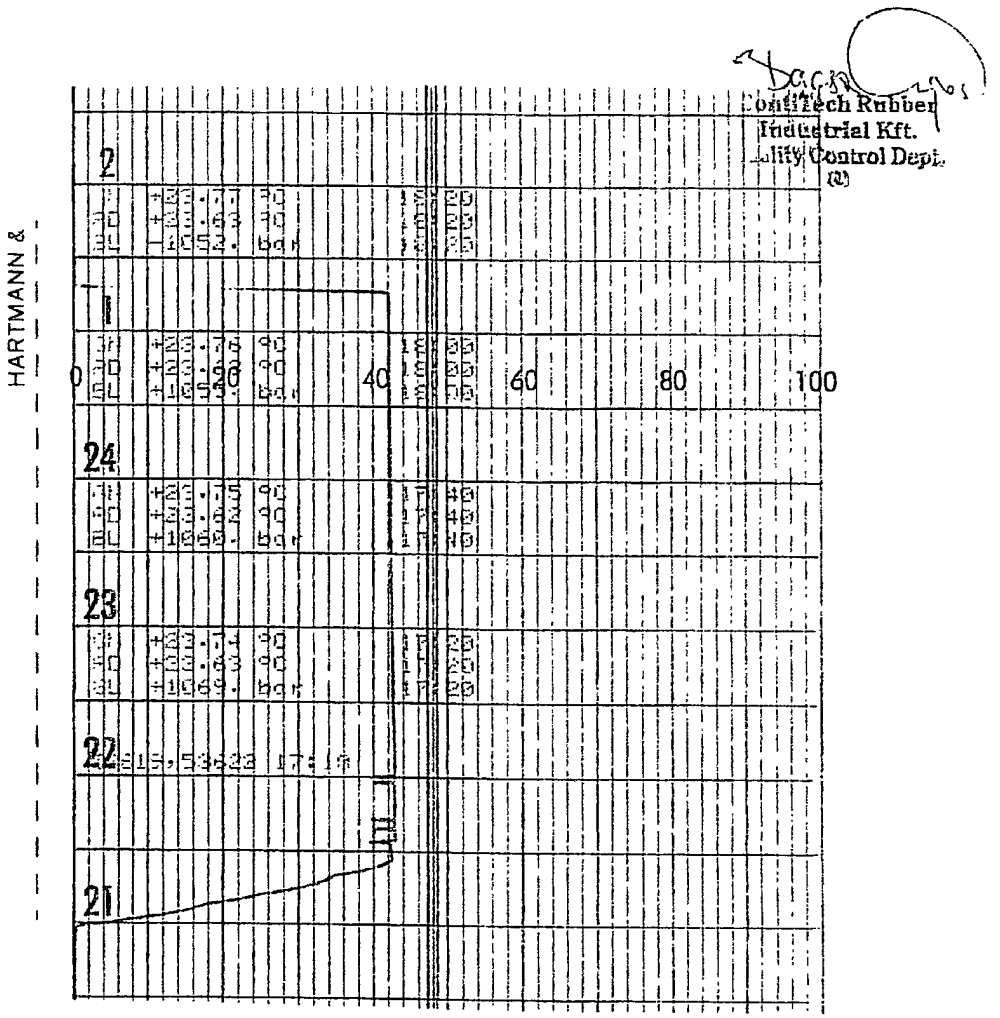
Hose conform to NACE MR 01-75

WE CERTIFY THAT THE ABOVE HOSE HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE TERMS OF THE ORDER INSPECTED AND PRESSURE TESTED AS ABOVE WITH SATISFACTORY RESULT.

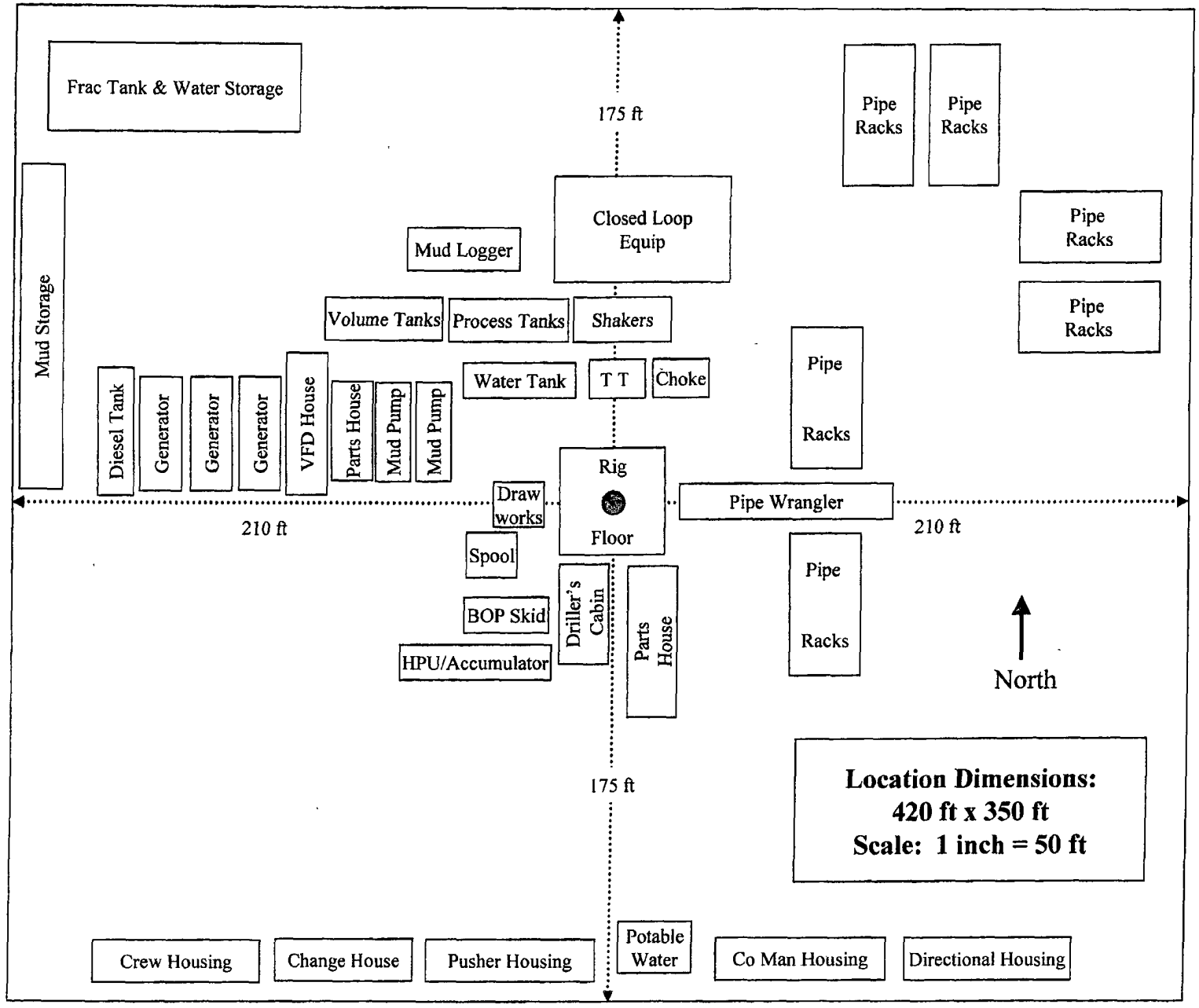
STATEMENT OF CONFORMITY: We hereby certify that the above items/equipment supplied by us are in conformity with the terms, conditions and specifications of the above Purchaser Order and that these items/equipment were fabricated inspected and tested in accordance with the referenced standards, codes and specifications and meet the relevant acceptance criteria and design requirements.

COUNTRY OF ORIGIN HUNGARY/EU

Date:	Inspector	Quality Control
25. August. 2008		ContiTech Rubber Industrial Kft. Quality Control Dept. (1)


Contitech Rubber
Industrial Kft.
Quality Control Dept.
HARTMANN &
0
40
60
80
100
2
24
23
22
21

H&P Flex Rig Location Layout



Weatherford®

Drilling Services

Proposal

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GAUCHO UNIT #6H RE

LEA COUNTY, NM

WELL FILE: **PLAN 1**

AUGUST 8, 2012

Weatherford International, Ltd.
P.O. Box 61028
Midland, TX 79711 USA
+1.432.561.8892 Main
+1.432.561.8895 Fax
www.weatherford.com

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Gaucho Unit #6 RE
Lea County, New Mexico

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	179.72	0.00	0.00	0.00	0.00	0.00	0.00	
2	10943.04	0.00	179.72	10943.04	0.00	0.00	0.00	0.00	0.00	
3	11539.75	89.51	179.72	11325.00	-378.68	1.83	15.00	179.72	378.69	
4	16769.69	89.51	179.72	11370.00	-5608.36	27.13	0.00	0.00	5608.43	PBHL

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Gaucho Unit #6 RE	0.00	0.00	505288.56	802997.20	32°23'10.515N	103°29'08.459W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	11370.00	-5608.36	27.13	499680.20	803024.33	Rectangle (5229x50)

SITE DETAILS

Gaucho Unit #6 RE

Site Centre Northing: 505288.56
Easting: 802997.20

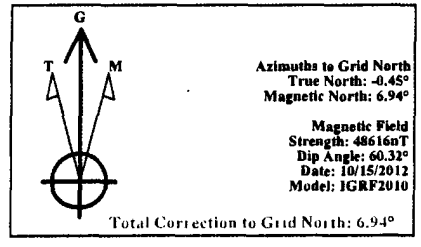
Ground Level: 3475.00
Positional Uncertainty: 0.00
Convergence: 0.45

FIELD DETAILS

Lea County, New Mexico (NAD 83)

Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: GRS 1980
Zone: New Mexico, Eastern Zone
Magnetic Model: IGRF2010

System Datum: Mean Sea Level
Local North: Grid North

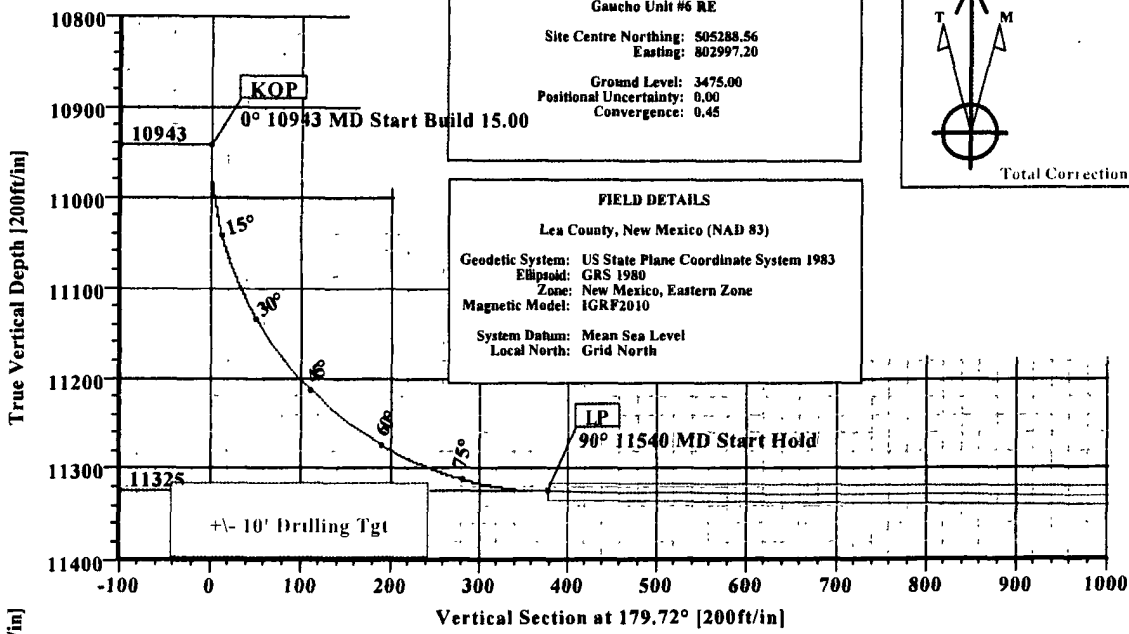


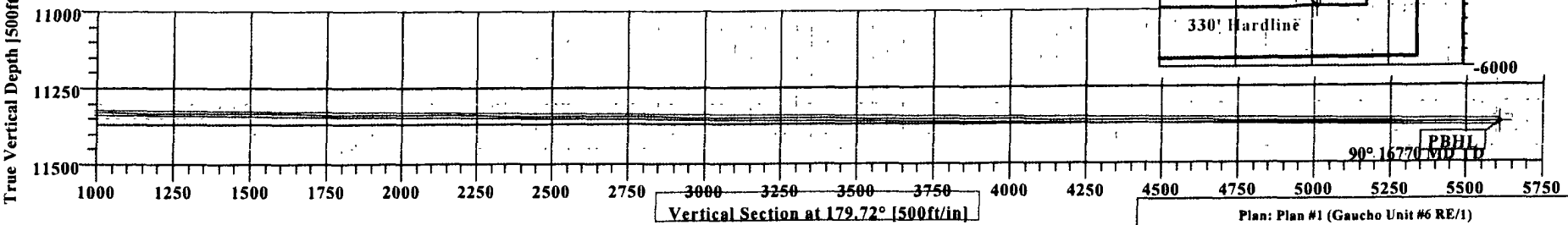
Azimuths to Grid North
True North: -0.45°
Magnetic North: 6.94°

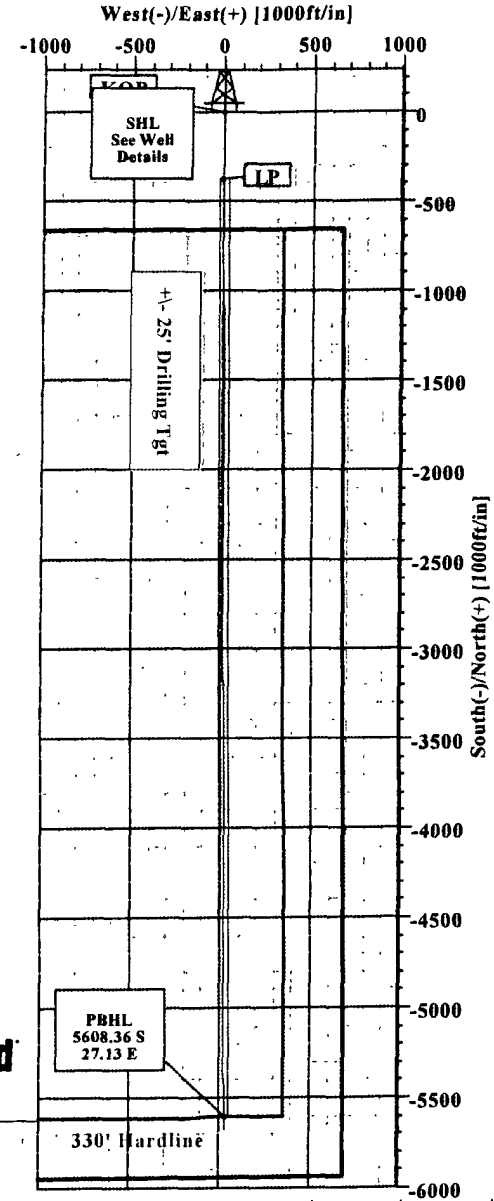
Magnetic Field
Strength: 48616nT
Dip Angle: 60.32°
Date: 10/15/2012
Model: IGRF2010

Total Correction to Grid North: 6.94°

KB ELEV: 3500
GL ELEV: 3475







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Plan: Plan #1 (Gaucho Unit #6 RE/1)

Created By: Russell W. Joyner Date: 8/8/2012

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WFT Plan Report - X & Y's

Weatherford

Company:	Devon Energy	**Date:** 8/8/2012 **Time:** 06:42:50	**Page:** 1
Field:	Lea County, New Mexico (NAD 83)	**Co-ordinate(NE) Reference:**	Well: Gaucho Unit #6 RE, Grid North
Site:	Gaucho Unit #6 RE	**Vertical (TVD) Reference:**	SITE 3500.0
Well:	Gaucho Unit #6 RE	**Section (VS) Reference:**	Well (0.00N,0.00E,179.72Azi)
Wellpath:	1	**Survey Calculation Method:**	Minimum Curvature **Db:** Sybase

Plan:	Plan #1	**Date Composed:**	8/8/2012
		Version:	1
Principal:	Yes	**Tied-to:**	From Surface

Field: Lea County, New Mexico (NAD 83)

Map System:	US State Plane Coordinate System 1983	**Map Zone:**	New Mexico, Eastern Zone
Geo Datum:	GRS 1980	**Coordinate System:**	Well Centre
Sys Datum:	Mean Sea Level	**Geomagnetic Model:**	IGRF2010

Site: Gaucho Unit #6 RE

Site Position:		**Northing:**	505288.56 ft	**Latitude:**	32 23 10.515 N
From:	Map	**Easting:**	802997.20 ft	**Longitude:**	103 29 8.459 W
Position Uncertainty:	0.00 ft			**North Reference:**	Grid
Ground Level:	3475.00 ft			**Grid Convergence:**	0.45 deg

Well: Gaucho Unit #6 RE **Slot Name:**

Well Position:	+N/-S	0.00 ft	**Northing:**	505288.56 ft	**Latitude:**	32 23 10.515 N
	+E/-W	0.00 ft	**Easting :**	802997.20 ft	**Longitude:**	103 29 8.459 W
Position Uncertainty:		0.00 ft				

Wellpath: 1		**Drilled From:**	Surface
		Tie-on Depth:	0.00 ft
Current Datum: SITE	**Height** 3500.00 ft	**Above System Datum:**	Mean Sea Level
Magnetic Data: 10/15/2012		**Declination:**	7.40 deg
Field Strength: 48616 nT		**Mag Dip Angle:**	60.32 deg

Vertical Section: Depth From (TVD)	**+N/-S**	**+E/-W**	**Direction**
ft	ft	ft	deg
0.00	0 00	0 00	179.72

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	179.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
10943.04	0.00	179.72	10943.04	0.00	0.00	0.00	0.00	0.00	0 00	
11539.75	89.51	179.72	11325.00	-378.68	1.83	15.00	15 00	0.00	179 72	
16769.69	89.51	179.72	11370.00	-5608.36	27.13	0.00	0 00	0.00	0.00	PBHL

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
10900.00	0.00	179.72	10900.00	0.00	0.00	0.00	0.00	505288.56	802997.20	
10943.04	0 00	179.72	10943.04	0.00	0.00	0.00	0.00	505288.56	802997.20	KOP
10950.00	1.04	179.72	10950.00	-0.06	0.00	0.06	15.00	505288.50	802997.20	
10975.00	4.79	179.72	10974.96	-1.34	0.01	1.34	15.00	505287.22	802997.21	
11000.00	8 54	179.72	10999.79	-4.24	0.02	4.24	15.00	505284.32	802997.22	
11025.00	12.29	179.72	11024 37	-8 76	0.04	8.76	15.00	505279.80	802997.24	
11050.00	16.04	179.72	11048 61	-14.88	0.07	14.88	15.00	505273.68	802997.27	
11075.00	19 79	179.72	11072 39	-22.57	0.11	22.57	15.00	505265.99	802997.31	
11100.00	23.54	179 72	11095 62	-31.80	0.15	31 80	15.00	505256.76	802997.35	
11125.00	27.29	179.72	11118.20	-42 53	0.21	42 53	15.00	505246.03	802997.41	
11150.00	31.04	179.72	11140.02	-54.71	0.26	54 71	15.00	505233.85	802997.46	
11175.00	34.79	179.72	11161.00	-68.29	0.33	68.29	15.00	505220.27	802997 53	
11200.00	38.54	179.72	11181.05	-83.22	0.40	83.22	15.00	505205.34	802997.60	
11225.00	42.29	179.72	11200.08	-99.43	0.48	99.43	15 00	505189.13	802997.68	
11250.00	46 04	179.72	11218.01	-116.84	0.57	116.84	15.00	505171.72	802997.77	
11275.00	49.79	179.72	11234.76	-135.39	0.65	135.39	15.00	505153.17	802997.85	
11300.00	53.54	179 72	11250.27	-155.00	0 75	155.00	15.00	505133.56	802997.95	

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WFT Plan Report - X & Y's

Weatherford

Company:	Devon Energy	**Date:** 8/8/2012 **Time:** 06:42.50	**Page:** 2
Field:	Lea County, New Mexico (NAD 83)	**Co-ordinate(NE) Reference:**	Well: Gaucho Unit #6 RE, Grid North
Site:	Gaucho Unit #6 RE	**Vertical (TVD) Reference:**	SITE 3500.0
Well:	Gaucho Unit #6 RE	**Section (VS) Reference:**	Well (0.00N,0 00E,179.72Azi)
Wellpath:	1	**Survey Calculation Method:**	Minimum Curvature **Db:** Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
11325 00	57.29	179.72	11264.45	-175.58	0.85	175.58	15 00	505112.98	802998 05	
11350.00	61.04	179.72	11277.26	-197.04	0.95	197.04	15.00	505091.52	802998.15	
11375.00	64.79	179.72	11288.64	-219.30	1.06	219 30	15.00	505069.26	802998.26	
11400.00	68.54	179.72	11298.54	-242 25	1.17	242 25	15.00	505046 31	802998.37	
11425.00	72 29	179.72	11306.92	-265.80	1.29	265.80	15.00	505022.76	802998.49	
11450.00	76.04	179.72	11313 74	-289.85	1.40	289.85	15.00	504998.71	802998 60	
11475.00	79.79	179.72	11318.97	-314.29	1.52	314 29	15.00	504974 27	802998.72	
11500.00	83.54	179.72	11322.59	-339.02	1.64	339.02	15.00	504949.54	802998.84	
11525.00	87.29	179 72	11324.59	-363.93	1.76	363.94	15.00	504924 63	802998.96	
11539.75	89 51	179.72	11325.00	-378.68	1.83	378.69	15.00	504909.88	802999.03	LP
11600.00	89.51	179.72	11325.52	-438.92	2.12	438.93	0.00	504849.64	802999.32	
11700.00	89 51	179.72	11326.38	-538.92	2.61	538.93	0.00	504749 64	802999.81	
11800.00	89.51	179.72	11327 24	-638 91	3.09	638.92	0.00	504649 65	803000.29	
11900.00	89.51	179.72	11328 10	-738.91	3.57	738.92	0.00	504549.65	803000.77	
12000.00	89.51	179.72	11328.96	-838 91	4.06	838 91	0.00	504449 65	803001.26	
12100.00	89.51	179.72	11329.82	-938.90	4.54	938.91	0 00	504349.66	803001.74	
12200.00	89.51	179.72	11330.68	-1038.90	5.03	1038.91	0.00	504249 66	803002 23	
12300.00	89.51	179 72	11331.54	-1138.89	5.51	1138.90	0.00	504149.67	803002.71	
12400.00	89.51	179.72	11332.40	-1238.89	5.99	1238.90	0 00	504049.67	803003.19	
12500.00	89.51	179.72	11333.26	-1338.88	6.48	1338.90	0.00	503949.68	803003.68	
12600.00	89.51	179.72	11334 12	-1438.88	6.96	1438.89	0.00	503849.68	803004.16	
12700.00	89.51	179.72	11334.98	-1538.87	7.44	1538.89	0 00	503749.69	803004 64	
12800 00	89.51	179.72	11335.84	-1638.87	7.93	1638.89	0.00	503649.69	803005.13	
12900.00	89 51	179.72	11336.70	-1738.86	8.41	1738.88	0.00	503549.70	803005.61	
13000.00	89.51	179.72	11337 56	-1838.86	8.90	1838.88	0.00	503449.70	803006.10	
13100.00	89.51	179.72	11338.42	-1938.85	9.38	1938.87	0.00	503349.71	803006.58	
13200.00	89.51	179.72	11339.28	-2038.85	9.86	2038.87	0.00	503249.71	803007.06	
13300.00	89.51	179.72	11340.14	-2138.84	10.35	2138.87	0.00	503149.72	803007.55	
13400.00	89.51	179 72	11341.00	-2238.84	10.83	2238.86	0.00	503049.72	803008.03	
13500.00	89.51	179.72	11341.87	-2338.83	11.31	2338 86	0.00	502949.73	803008.51	
13600.00	89.51	179.72	11342.73	-2438.83	11.80	2438 86	0.00	502849.73	803009.00	
13700.00	89.51	179.72	11343 59	-2538.82	12.28	2538.85	0.00	502749 74	803009 48	
13800.00	89.51	179.72	11344.45	-2638.82	12.77	2638.85	0.00	502649.74	803009.97	
13900 00	89.51	179.72	11345.31	-2738.81	13.25	2738.84	0.00	502549.75	803010.45	
14000 00	89.51	179.72	11346.17	-2838.81	13.73	2838 84	0 00	502449.75	803010 93	
14100.00	89.51	179.72	11347.03	-2938 80	14.22	2938.84	0.00	502349.76	803011.42	
14200.00	89.51	179 72	11347.89	-3038.80	14.70	3038.83	0.00	502249.76	803011.90	
14300.00	89.51	179 72	11348.75	-3138.79	15.18	3138.83	0.00	502149 77	803012.38	
14400 00	89 51	179.72	11349.61	-3238.79	15.67	3238 83	0.00	502049.77	803012.87	
14500 00	89.51	179.72	11350 47	-3338.78	16.15	3338.82	0.00	501949.78	803013.35	
14600.00	89.51	179.72	11351.33	-3438.78	16.63	3438.82	0 00	501849.78	803013.83	
14700 00	89.51	179 72	11352.19	-3538 77	17.12	3538.81	0.00	501749 79	803014.32	
14800.00	89 51	179.72	11353.05	-3638.77	17.60	3638.81	0.00	501649.79	803014.80	
14900.00	89.51	179.72	11353 91	-3738.76	18.09	3738.81	0.00	501549.80	803015.29	
15000.00	89.51	179.72	11354.77	-3838.76	18.57	3838.80	0.00	501449.80	803015.77	
15100 00	89.51	179.72	11355.63	-3938.75	19.05	3938.80	0.00	501349.81	803016.25	
15200.00	89.51	179.72	11356.49	-4038.75	19.54	4038.80	0 00	501249 81	803016 74	
15300.00	89.51	179.72	11357.35	-4138.74	20.02	4138.79	0.00	501149.82	803017.22	
15400.00	89 51	179 72	11358 21	-4238 74	20.50	4238.79	0.00	501049.82	803017.70	
15500.00	89 51	179 72	11359 07	-4338.73	20.99	4338 79	0.00	500949.83	803018.19	
15600.00	89.51	179.72	11359.94	-4438.73	21.47	4438.78	0.00	500849.83	803018.67	
15700.00	89.51	179.72	11360.80	-4538.72	21.96	4538.78	0.00	500749.84	803019.16	
15800.00	89.51	179.72	11361.66	-4638.72	22.44	4638.77	0.00	500649.84	803019 64	

devon

Weatherford

WFT Plan Report - X & Y's

Weatherford

Company:	Devon Energy	**Date:** 8/8/2012 **Time:** 06:42:50	**Page:** 3
Field:	Lea County, New Mexico (NAD 83)	**Co-ordinate(NE) Reference:**	Well: Gaucho Unit #6 RE, Grid North
Site:	Gaucho Unit #6 RE	**Vertical (TVD) Reference:**	SITE 3500.0
Well:	Gaucho Unit #6 RE	**Section (VS) Reference:**	Well (0.00N,0.00E,179.72Azi)
Wellpath:	1	**Survey Calculation Method:**	Minimum Curvature **Db:** Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
15900.00	89.51	179.72	11362.52	-4738.72	22.92	4738.77	0.00	500549.84	803020.12	
16000.00	89.51	179.72	11363.38	-4838.71	23.41	4838.77	0.00	500449.85	803020.61	
16100.00	89.51	179.72	11364.24	-4938.71	23.89	4938.76	0.00	500349.85	803021.09	
16200.00	89.51	179.72	11365.10	-5038.70	24.37	5038.76	0.00	500249.86	803021.57	
16300.00	89.51	179.72	11365.96	-5138.70	24.86	5138.76	0.00	500149.86	803022.06	
16400.00	89.51	179.72	11366.82	-5238.69	25.34	5238.75	0.00	500049.87	803022.54	
16500.00	89.51	179.72	11367.68	-5338.69	25.83	5338.75	0.00	499949.87	803023.03	
16600.00	89.51	179.72	11368.54	-5438.68	26.31	5438.74	0.00	499849.88	803023.51	
16700.00	89.51	179.72	11369.40	-5538.68	26.79	5538.74	0.00	499749.88	803023.99	
16769.69	89.51	179.72	11370.00	-5608.36	27.13	5608.43	0.00	499680.20	803024.33	PBHL

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<---- Latitude ----> Deg	Min	Sec	<--- Longitude ---> Deg	Min	Sec
PBHL			11370.00	-5608.36	27.13	499680.20	803024.33	32	22	15.020 N	103	29	8.660 W

Casing Points

MD	TVD	Diameter	Hole Size	Name

Annotation

MD ft	TVD ft	
10943.04	10943.04	KOP
11539.75	11325.00	LP
16769.68	11370.00	PBHL

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction

Weatherford Drilling Services

GeoDec v5.03

Report Date:	August 08, 2012
Job Number:	
Customer:	Devon Energy
Well Name:	GAUCHO UNIT #6H RE
API Number:	
Rig Name:	
Location:	Lea County, NM
Block:	
Engineer:	RWJ

US State Plane 1983	Geodetic Latitude / Longitude
System: New Mexico Eastern Zone	System: Latitude / Longitude
Projection: Transverse Mercator/Gauss Kruger	Projection: Geodetic Latitude and Longitude
Datum: North American Datum 1983	Datum: North American Datum 1983
Ellipsoid: GRS 1980	Ellipsoid: GRS 1980
North/South 505288.560 USFT	Latitude 32.3862570 DEG
East/West 802997.200 USFT	Longitude -103.4856777 DEG
Grid Convergence: .45°	
Total Correction: +6.95°	

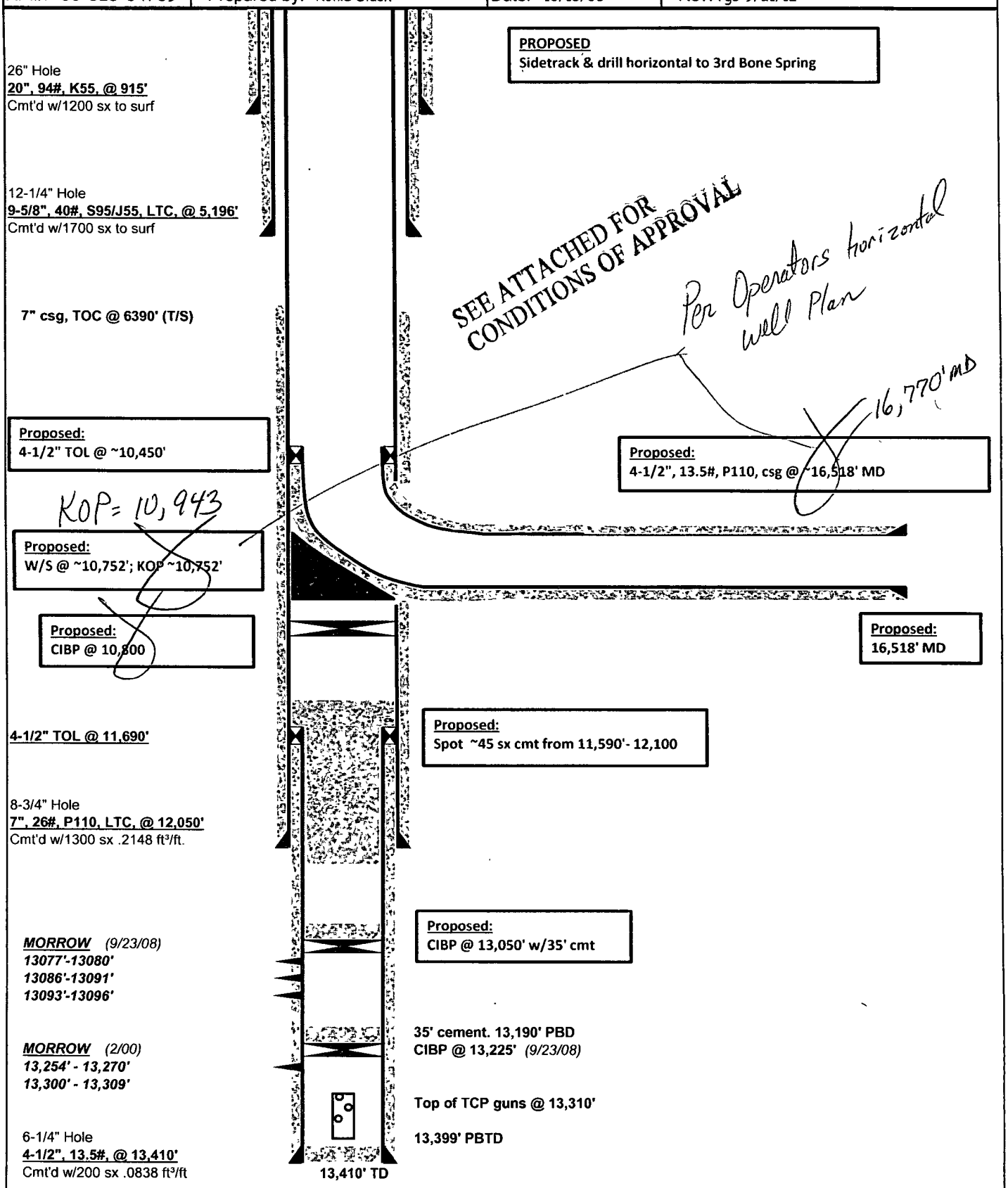
Geodetic Location WGS84	Elevation = 0.0 Meters	
Latitude =	32.38626° N	32° 23 min 10.525 sec
Longitude =	103.48568° W	103° 29 min 8.440 sec

Magnetic Declination =	7.40°	[True North Offset]	
Local Gravity =	.9988 g	CheckSum =	6586
Local Field Strength =	48612 nT	Magnetic Vector X =	23871 nT
Magnetic Dip =	60.32°	Magnetic Vector Y =	3098 nT
Magnetic Model =	IGRF-2010g11	Magnetic Vector Z =	42233 nT
Spud Date =	Oct 15, 2012	Magnetic Vector H =	24071 nT

Signed:_____ Date:_____

DEVON ENERGY PRODUCTION COMPANY LP

Well Name: GUCHO UNIT 6	Field: OJO CHISO		
Location: 660' FSL & 660' FEL; SEC 17-T22S-R34E	County: LEA	State: NM	
Elevation: 3457'	Spud Date: 1/7/00	Compl Date: 7/30/00	
API#: 30-025-34789	Prepared by: Ronie Slack	Date: 10/15/08	Rev: rgs-9/21/12



DEVON ENERGY PRODUCTION COMPANY LP

Well Name: GUCHO UNIT 6	Field: OJO CHISO		
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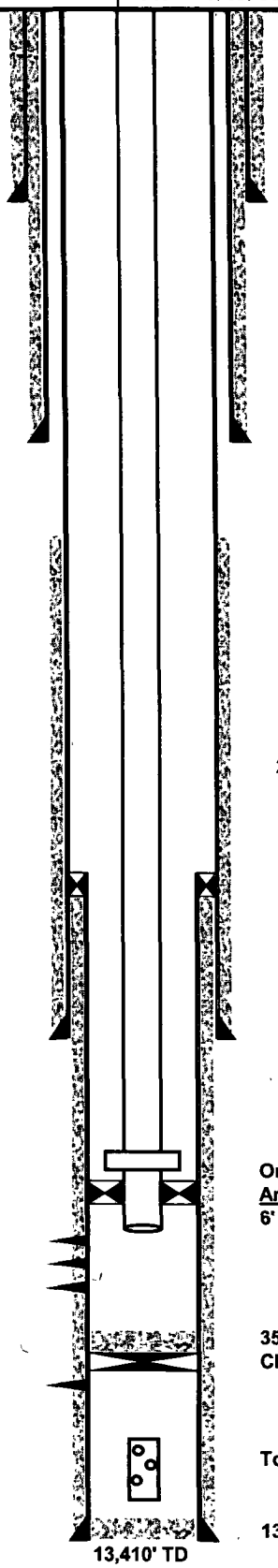

26" Hole
20", 94#, K55, @ 915'
Cmt'd w/1200 sx to surface

12-1/4" Hole
9-5/8", 40#, S95 & J55, LTC, @ 5,196'
Cmt'd w/1700 sx to surface

TOC @ 6390' (temp survey)

2-3/8", P110, production tubing

Top of 4-1/2" Liner @ 11,690'

8-3/4" Hole
7", 26#, P110, LTC, @ 12,050'
Cmt'd w/1300 sx

On/Off tool, F profile
Arrowset Packer @ 13,062'
6' sub, 1.81 R Nipple, pump off bit sub

MORROW *(9/23/08)*
13077'-13080'
13086'-13091'
13093'-13096'
9/26/08. acidized 13077-13096 w/1500 gals 7 5%

35' cement. 13,190' PBD
CIBP @ 13,225' *(9/23/08)*

MORROW *(2/00)*
13,254' - 13,270'
13,300' - 13,309'

Top of TCP guns @ 13,310'

6-1/4" Hole
4-1/2", 13.5#, @ 13,410'
Cmt'd w/200 sx

13,399' PBTD

13,410' TD