

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS OCD

OCD Hobbs 17 2012

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.

RECEIVED

5. Lease, Serial No.
LC- 065710

6. If Indian, Allottee or Tribe Name
NA

SUBMIT IN TRIPLICATE – Other instructions on page 2.

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

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
AMOCO 21 FED #1H

2. Name of Operator
Oxy USA Inc.

9. API Well No.
30- 25-410753

3a. Address
5 Greenway Plaza, Suite 110
Houston, TX 77046-0521

3b. Phone No. (include area code)

713-350-4816 Jeremy Murphrey

10. Field and Pool or Exploratory Area
LUSK WEST

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
470 FNL 660 FEL, NENE, Sec 21, T19S, R32E

11. Country or Parish, State
Lea County

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
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ 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.)

The intent is to construct a 250 X 250 temporary site for the placement of a 50,000 bbl. tank which will hold water to be used in drilling and completion operations for the Amoco 21 Federal #1H as laid out on the attached plat. This location is located in Section 21, Township 19 South, Range 32 East, Lea County, New Mexico. Construction should begin within 30 days of BLM approval.

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

Jeremy Murphrey

Title Senior Landman

Signature

J. Murphrey

Date 6-4-12

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/s/ Don Peterson

Title

Date

SEP 13 2012

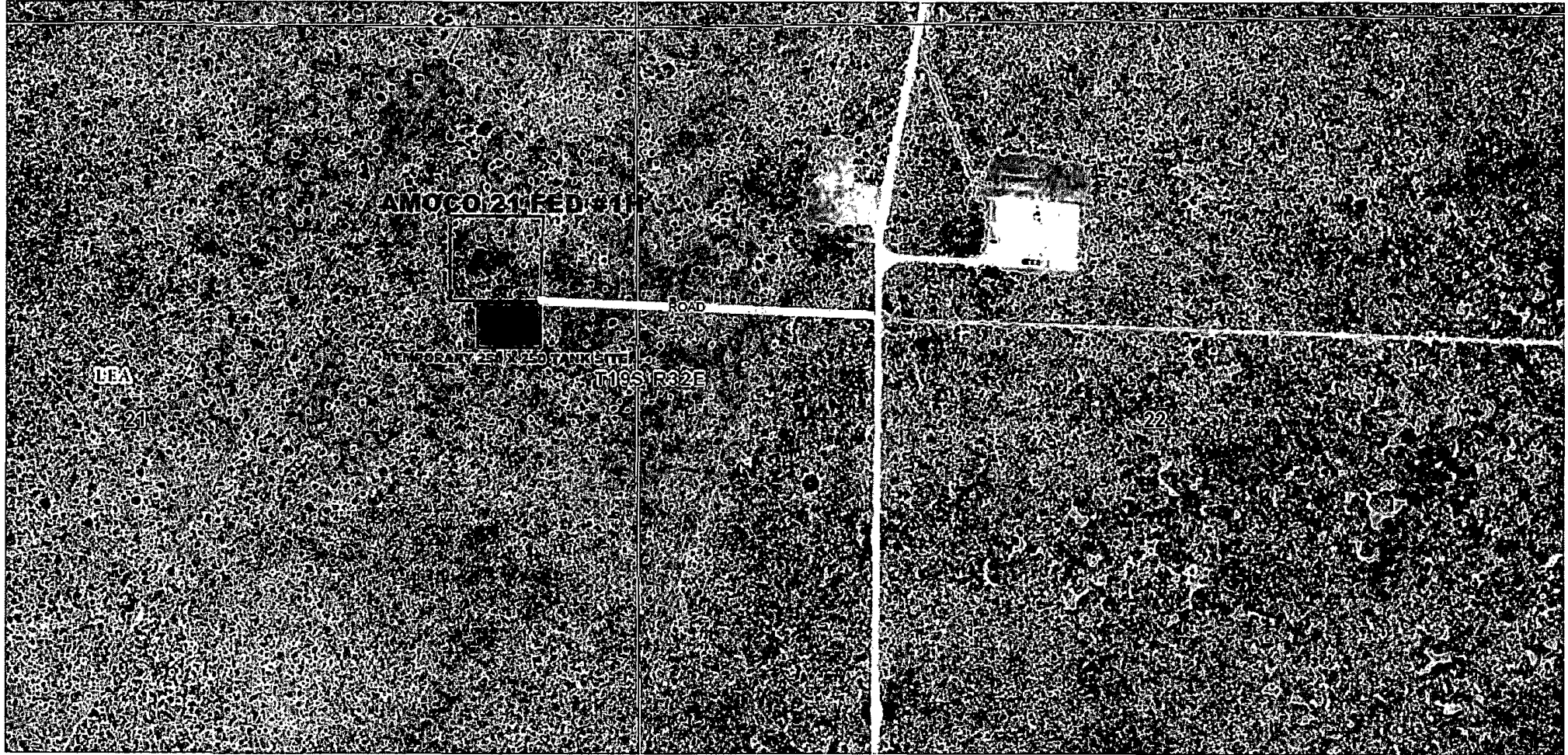
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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)

SEP 7 0 2012



AMOCO 21 FED #1

ROAD

TMS R32E

TMS R32E

22



Weatherford

HOBBS OCD

SEP 17 2012

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Drilling Services

Proposal

OCCIDENTAL PERMIAN LTD.

AMOCO 21 FED #1H

LEA COUNTY, NEW MEXICO

WELL FILE: **PLAN 1**

MARCH 27, 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



Amoco 21 Fed #1H
Lea Co, New Mexico

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	179.60	0.00	0.00	0.00	0.00	0.00	0.00	
2	8697.80	0.00	179.60	8697.80	0.00	0.00	0.00	0.00	0.00	
3	9822.80	90.00	179.60	9414.00	-716.18	5.05	8.00	179.60	716.20	
4	13591.22	90.00	179.60	9414.00	-4484.50	31.60	0.00	0.00	4484.61	PBHL

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Amoco 21 Fed #1H	0.00	0.00	601286.60	675146.00	32°39'06.295N	103°45'51.403W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	9414.00	-4484.50	31.60	596802.10	675177.60	Point

FIELD DETAILS

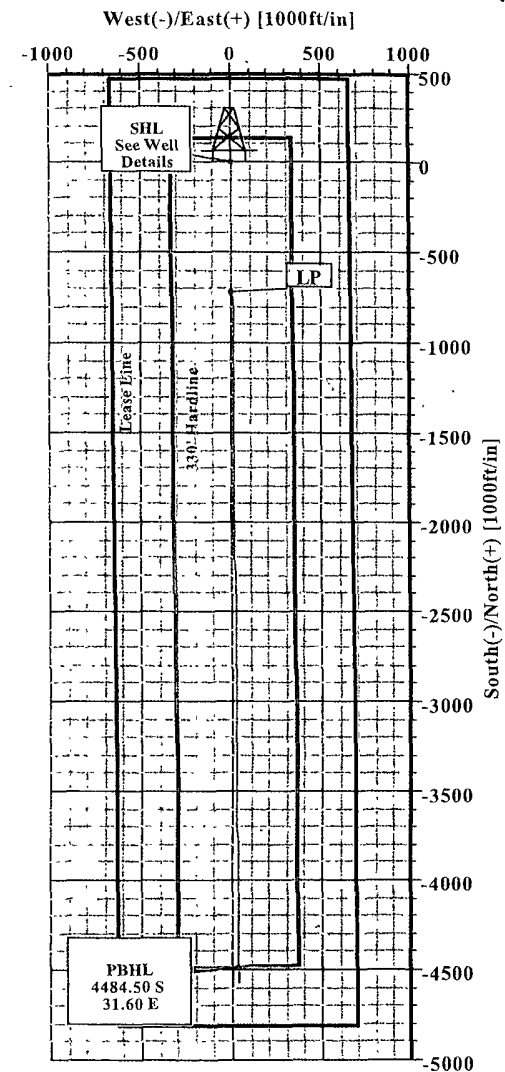
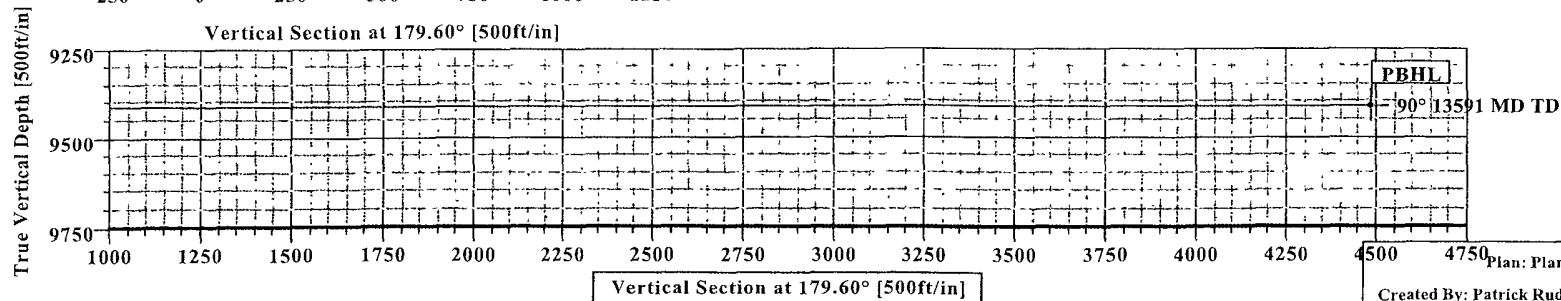
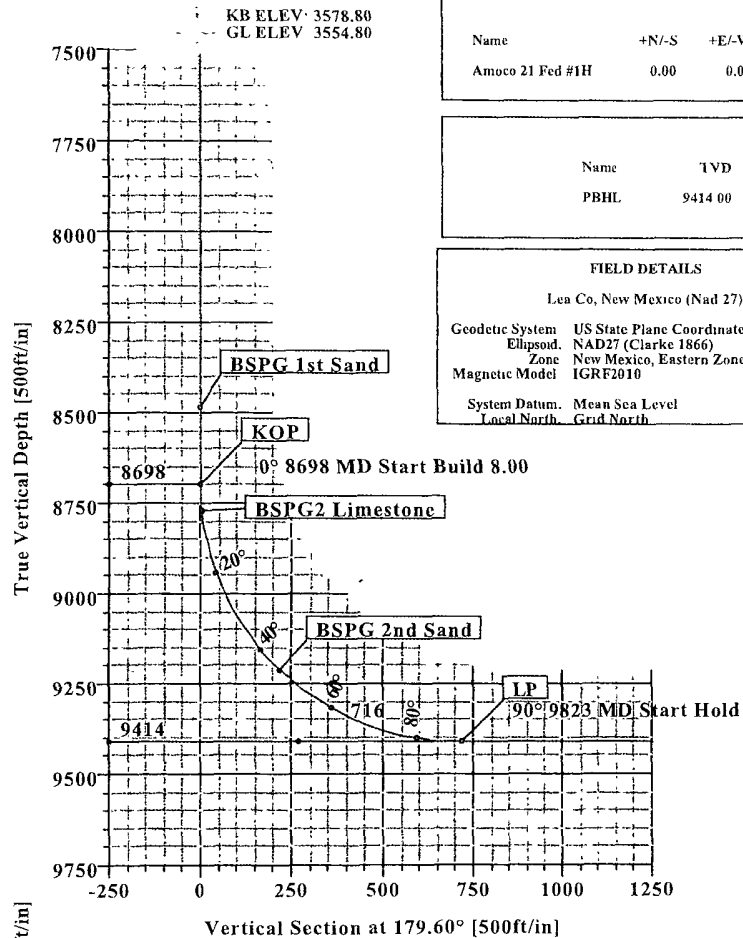
Lea Co, New Mexico (Nad 27)
Geodetic System US State Plane Coordinate System 1927
Ellipsoid NAD27 (Clarke 1866)
Zone New Mexico, Eastern Zone
Magnetic Model IGRF2010
System Datum Mean Sea Level
Local North Grid North

SITE DETAILS

Amoco 21 Fed #1H
Site Centre Northing: 601286.60
Easting: 675146.00
Ground Level 3603.70
Positional Uncertainty 0.00
Convergence 0.31



Azimuths to Grid North
True North: -0.31°
Magnetic North: 7.23°
Magnetic Field
Strength: 48736nT
Dip Angle: 60.51°
Date: 11/15/2012
Model: IGRF2010
Total Correction to Grid North: 7.23°



Weatherford

LEGEND

1 Plan #1

Plan: Plan #1 (Amoco 21 Fed #1H/1)

Created By: Patrick Rudolph

Date: 3/27/2012



Weatherford International Ltd.

WFT Plan Report - X & Y's

**Weatherford**

Company: Occidental Permian Ltd Date: 3/27/2012 Time: 09:56:36 Page: 1
Field: Lea Co, New Mexico (Nad 27) Co-ordinate(NE) Reference: Well: Amoco 21 Fed #1H, Grid North
Site: Amoco 21 Fed #1H Vertical (TVD) Reference: SITE 3628.7
Well: Amoco 21 Fed #1H Section (VS) Reference: Well (0.00N,0.00E,179.60Azi)
Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Plan: Plan #1 Date Composed: 3/27/2012
Principal: Yes Version: 1
Tied-to: From Surface

Field: Lea Co, New Mexico (Nad 27)

Map System: US State Plane Coordinate System 1927 Map Zone: New Mexico, Eastern Zone
Geo Datum: NAD27 (Clarke 1866) Coordinate System: Well Centre
Sys Datum: Mean Sea Level Geomagnetic Model: IGRF2010

Site: Amoco 21 Fed #1H

Site Position: Northing: 601286.60 ft Latitude: 32 39 6 295 N
From: Map Easting: 675146.00 ft Longitude: 103 45 51 403 W
Position Uncertainty: 0 00 ft North Reference: Grid
Ground Level: 3603 70 ft Grid Convergence: 0 31 deg

Well: Amoco 21 Fed #1H Slot Name:
Well Position: +N/-S 0 00 ft Northing: 601286 60 ft Latitude: 32 39 6 295 N
+E/-W 0 00 ft Easting: 675146 00 ft Longitude: 103 45 51 403 W
Position Uncertainty: 0 00 ft

Wellpath: 1 Drilled From: Surface
Current Datum: SITE Tie-on Depth: 0 00 ft
Magnetic Data: 11/15/2012 Height 3628 70 ft Above System Datum: Mean Sea Level
Field Strength: 48736 nT Declination: 7 53 deg
Vertical Section: Depth From (TVD) +N/-S Mag Dip Angle: 60 51 deg
ft ft +E/-W Direction
deg
9414 00 0 00 0 00 179 60

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 60	0 00	0 00	0 00	0 00	0 00	0 00	0 00	
8697 80	0 00	179 60	8697 80	0 00	0 00	0 00	0 00	0 00	0 00	
9822 80	90 00	179 60	9414 00	-716 18	5 05	8 00	8 00	0 00	179 60	
13591 22	90 00	179 60	9414 00	-4484 50	31.60	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
8600 00	0 00	179 60	8600 00	0 00	0 00	0 00	0 00	601286 60	675146 00	
8697 80	0 00	179 60	8697 80	0 00	0 00	0 00	0 00	601286 60	675146 00	KOP
8700 00	0 18	179 60	8700 00	0 00	0 00	0 00	8 00	601286 60	675146 00	
8750 00	4 18	179 60	8749 95	-1 90	0 01	1 90	8 00	601284 70	675146 01	
8769 12	5 71	179 60	8769 00	-3 55	0 02	3 55	8 00	601283 05	675146 02	BSPG2 Limestone
8800 00	8 18	179 60	8799 65	-7 28	0 05	7 28	8 00	601279 32	675146 05	
8850 00	12 18	179 60	8848 86	-16 11	0 11	16 11	8 00	601270 49	675146 11	
8900 00	16 18	179 60	8897 32	-28 35	0 20	28 35	8 00	601258 25	675146 20	
8950 00	20 18	179 60	8944 82	-43 95	0 31	43 95	8 00	601242 65	675146 31	
9000 00	24 18	179 60	8991 11	-62 81	0 44	62 82	8 00	601223 79	675146 44	
9050 00	28 18	179 60	9035 98	-84 87	0 60	84 87	8 00	601201 73	675146 60	
9100 00	32 18	179 60	9079 19	-109 99	0 78	109 99	8 00	601176 61	675146 78	
9150 00	36 18	179 60	9120 55	-138 07	0 97	138 08	8 00	601148 53	675146 97	
9200 00	40 18	179 60	9159 85	-168 97	1 19	168 97	8 00	601117 63	675147 19	
9250 00	44 18	179 60	9196 89	-202 53	1 43	202 54	8 00	601084 07	675147 43	
9274 26	46 12	179 60	9214 00	-219 73	1 55	219 73	8 00	601066 87	675147 55	BSPG 2nd Sand
9300 00	48 18	179 60	9231 51	-238 60	1 68	238 60	8 00	601048 00	675147 68	



Weatherford International Ltd.

WFT Plan Report - X & Y's

**Weatherford**

Company: Occidental Permian Ltd.
Field: Lea Co, New Mexico (Nad 27)
Site: Amoco 21 Fed #1H
Well: Amoco 21 Fed #1H
Wellpath: 1

Date: 3/27/2012 Time: 09:56 36 Page: 2
Co-ordinate(NE) Reference: Well, Amoco 21 Fed #1H, Grid North
Vertical (TVD) Reference: SITE 3628.7
Section (VS) Reference: Well (0.00N,0.00E,179.60Azi)
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
9350.00	52 18	179 60	9263 52	-276.99	1 95	277.00	8 00	601009.61	675147.95	
9400 00	56 18	179 60	9292 78	-317 52	2 24	317 53	8 00	600969 08	675148 24	
9450 00	60 18	179 60	9319 14	-359 99	2 54	360 00	8 00	600926 61	675148 54	
9500 00	64 18	179 60	9342 48	-404 20	2.85	404 21	8 00	600882.40	675148 85	
9550 00	68 18	179.60	9362 67	-449 93	3 17	449.94	8 00	600836 67	675149 17	
9600.00	72.18	179 60	9379 62	-496 96	3 50	496.97	8 00	600789 64	675149 50	
9650 00	76 18	179 60	9393 25	-545 05	3 84	545 07	8 00	600741.55	675149 84	
9700 00	80 18	179 60	9403 50	-593 98	4 19	594 00	8 00	600692 62	675150 19	
9750.00	84 18	179 60	9410 30	-643.50	4 53	643 52	8 00	600643 10	675150 53	
9800 00	88 18	179 60	9413 64	-693 38	4 89	693 40	8 00	600593 22	675150 89	
9822 80	90 00	179 60	9414.00	-716 18	5 05	716 20	8 00	600570 42	675151.05	LP
9900 00	90 00	179.60	9414 00	-793 37	5 59	793 39	0 00	600493 23	675151 59	
10000 00	90 00	179.60	9414 00	-893 37	6 30	893 39	0 00	600393 23	675152 30	
10100 00	90 00	179 60	9414 00	-993 37	7 00	993.39	0 00	600293 23	675153 00	
10200.00	90 00	179 60	9414 00	-1093 37	7.70	1093 39	0.00	600193 23	675153 70	
10300 00	90 00	179 60	9414 00	-1193 36	8 41	1193 39	0 00	600093 24	675154 41	
10400 00	90 00	179 60	9414 00	-1293 36	9 11	1293 39	0 00	599993 24	675155 11	
10500 00	90 00	179.60	9414 00	-1393 36	9 82	1393.39	0 00	599893 24	675155 82	
10600 00	90 00	179 60	9414 00	-1493.36	10.52	1493 39	0 00	599793.24	675156 52	
10700 00	90 00	179 60	9414.00	-1593.35	11 23	1593 39	0 00	599693 25	675157 23	
10800 00	90 00	179 60	9414 00	-1693 35	11 93	1693 39	0 00	599593 25	675157 93	
10900 00	90 00	179 60	9414 00	-1793 35	12 64	1793.39	0 00	599493 25	675158 64	
11000 00	90 00	179 60	9414 00	-1893 35	13 34	1893 39	0 00	599393 25	675159 34	
11100 00	90 00	179 60	9414 00	-1993 35	14 05	1993 39	0 00	599293 25	675160 05	
11200 00	90 00	179 60	9414.00	-2093 34	14 75	2093 39	0 00	599193 26	675160 75	
11300 00	90 00	179 60	9414 00	-2193 34	15 46	2193 39	0 00	599093 26	675161 46	
11400 00	90 00	179 60	9414 00	-2293.34	16 16	2293 39	0 00	598993 26	675162 16	
11500.00	90 00	179 60	9414 00	-2393.34	16 86	2393 39	0 00	598893 26	675162 86	
11600 00	90 00	179 60	9414.00	-2493 33	17.57	2493 39	0 00	598793 27	675163 57	
11700 00	90 00	179 60	9414 00	-2593 33	18 27	2593 39	0.00	598693 27	675164 27	
11800 00	90 00	179.60	9414 00	-2693 33	18 98	2693 39	0 00	598593 27	675164 98	
11900 00	90 00	179 60	9414 00	-2793 33	19 68	2793 39	0 00	598493 27	675165 68	
12000 00	90 00	179 60	9414 00	-2893 32	20 39	2893 39	0 00	598393 28	675166 39	
12100 00	90.00	179 60	9414 00	-2993.32	21 09	2993 39	0 00	598293 28	675167.09	
12200 00	90 00	179 60	9414 00	-3093 32	21 80	3093 39	0 00	598193 28	675167 80	
12300 00	90.00	179 60	9414 00	-3193 32	22 50	3193 39	0 00	598093 28	675168 50	
12400 00	90.00	179 60	9414 00	-3293.31	23 21	3293.39	0 00	597993 29	675169 21	
12500 00	90 00	179 60	9414 00	-3393 31	23 91	3393 39	0 00	597893 29	675169 91	
12600 00	90 00	179 60	9414 00	-3493 31	24 62	3493 39	0 00	597793 29	675170 62	
12700 00	90 00	179 60	9414 00	-3593 31	25 32	3593 39	0 00	597693 29	675171 32	
12800 00	90 00	179 60	9414 00	-3693 30	26 02	3693 39	0 00	597593 30	675172 02	
12900 00	90 00	179 60	9414 00	-3793.30	26 73	3793 39	0 00	597493 30	675172 73	
13000 00	90 00	179 60	9414 00	-3893 30	27 43	3893 39	0 00	597393 30	675173 43	
13100 00	90 00	179 60	9414 00	-3993 30	28 14	3993 39	0 00	597293 30	675174 14	
13200 00	90 00	179 60	9414 00	-4093.29	28 84	4093 39	0 00	597193 31	675174 84	
13300 00	90 00	179 60	9414 00	-4193 29	29 55	4193 39	0 00	597093 31	675175.55	
13400 00	90 00	179 60	9414 00	-4293.29	30 25	4293.39	0 00	596993 31	675176 25	
13500 00	90 00	179 60	9414 00	-4393 29	30 96	4393 39	0 00	596893 31	675176 96	
13591 22	90 00	179 60	9414 00	-4484 50	31 60	4484 61	0 00	596802 10	675177 60	PBHL



Weatherford International Ltd.

WFT Plan Report - X & Y's

**Weatherford**

Company: Occidental Permian Ltd.	Date: 3/27/2012	Time: 09:56:36	Page: 3
Field: Lea Co, New Mexico (Nad 27)	Co-ordinate(NE) Reference:	Well: Amoco 21 Fed #1H, Grid North	
Site: Amoco 21 Fed #1H	Vertical (TVD) Reference:	SITE 3628.7	
Well: Amoco 21 Fed #1H	Section (VS) Reference:	Well (0 00N,0.00E,179.60Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

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			9414 00	-4484 50	31 60	596802 10	675177.60	32 38 21 918 N	103 45 51 314 W

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
960 00	960.00	0 000	0 000	Csg
2630 00	2630 00	0 000	0 000	Csg
4075 00	4075 00	0 000	0 000	Csg

Annotation

MD ft	TVD ft	
8697 80	8697 80	KOP
9822 80	9414 00	LP
13591 21	9414 00	PBHL

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
2529 00	2529.00	Base Salt		0.00	0 00
4774 00	4774 00	Base Anhydrite		0.00	0 00
2699 00	2699 00	Yates		0 00	0 00
3059 00	3059 00	Seven Rivers		0 00	0 00
3974 00	3974.00	Queen		0 00	0 00
4774 00	4774 00	Delaware		0 00	0 00
7299 00	7299.00	Bone Spring		0 00	0 00
8484 00	8484.00	BSPG 1st Sand		0 00	0 00
8769 12	8769 00	BSPG2 Limestone		0 00	0 00
9274 26	9214 00	BSPG 2nd Sand		0 00	0 00
	0 00	BSPG 2nd Sand Target		0.00	0 00

**Weatherford****Weatherford Drilling Services**

GeoDec v5.03

Report Date: March 27, 2012
Job Number: _____
Customer: Occidental Permian Ltd.
Well Name: Amoco 21 Fed #1H
API Number: _____
Rig Name: _____
Location: Lea Co, New Mexico (Nad 27)
Block: _____
Engineer: Patrick Rudolph

US State Plane 1927	Geodetic Latitude / Longitude
System: New Mexico East 3001 (NON-EXACT)	System: Latitude / Longitude
Projection: SPC27 Transverse Mercator	Projection: Geodetic Latitude and Longitude
Datum: NAD 1927 (NADCON CONUS)	Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866	Ellipsoid: Clarke 1866
North/South 601286.600 USFT	Latitude 32.6517485 DEG
East/West 675146.000 USFT	Longitude -103.7642786 DEG
Grid Convergence: .31°	
Total Correction: +7.22°	

Geodetic Location WGS84	Elevation =	0.0 Meters
Latitude =	32.65175° N	32° 39 min 6.295 sec
Longitude =	103.76428° W	103° 45 min 51.403 sec

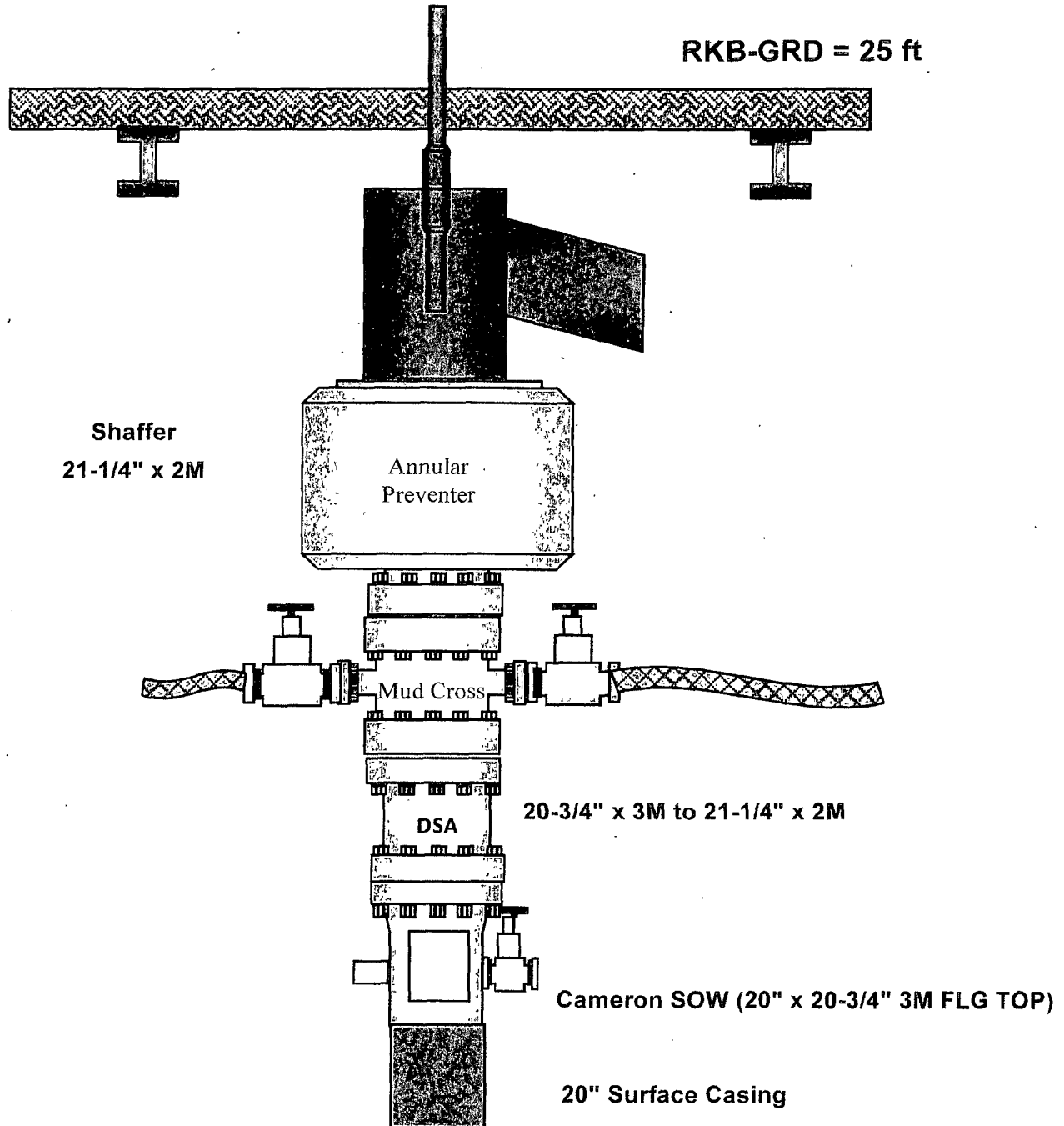
Magnetic Declination =	7.53°	[True North Offset]
Local Gravity =	.9988 g	Checksum = 6525
Local Field Strength =	48732 nT	Magnetic Vector X = 23779 nT
Magnetic Dip =	60.51°	Magnetic Vector Y = 3145 nT
Magnetic Model =	IGRF-2010g11	Magnetic Vector Z = 42420 nT
Spud Date =	Nov 15, 2012	Magnetic Vector H = 23986 nT

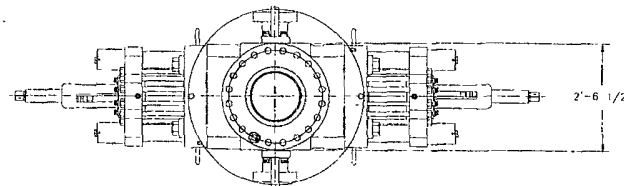
Signed: _____

Date: _____

BOP STACK for 20" Surface Casing

21-1/4" 2000 psi BOP Stack





2'-6 1/2"

LEGEND

- ① - 4 1/16\" - 10M FLANGED END GATE VALVE
- ② - 4 1/16\" - 10M FLANGED END GATE VALVE WITH DOUBLY ACTING HYDRAULIC ACTUATOR
- ③ - 2 1/16\" - 10M FLANGED END GATE VALVE
- ④ - 2 1/16\" - 10M FLANGED END CHECK VALVE
- ⑤ - DOUBLE STUDDED ADAPTER

SHAFFER BOLTED-COVER SPHERICAL ANNUAL PREVENTER (API 16A MONOGRAMMED, 13 5/8\" - 5M WP), 10M BOTTOM FLANGE x 5M STUDDED TOP (WEIGHT = 14,300 LBS WITH SHAFFER API 16A HOT OIL RESISTANT ACRYLONITRILE ELEMENT)

CAMERON UM DOUBLE RAM-TYPE PREVENTER (API 16A MONOGRAMMED, 13 5/8\" - 10M WP) WITH 5\" CAMERON PIPE RAMS (CAMRAM FRONT PACKERS & TOP SEALS) IN TOP CAVITY AND CAMERON DS SHEARING BLIND RAMS IN BOTTOM CAVITY BOTTOM FLANGE x STUDDED TOP (WEIGHT = 21,100 LBS WITH RAMS)

13 5/8\" - 10M WP CAMERON DRILLING SPOOL (API 16A MONOGRAMMED), STUDDED TOP x FLANGED BOTTOM WITH 4 1/16\" - 10M WP FLANGED OUTLETS (WEIGHT APPROXIMATELY 6,000 LBS)

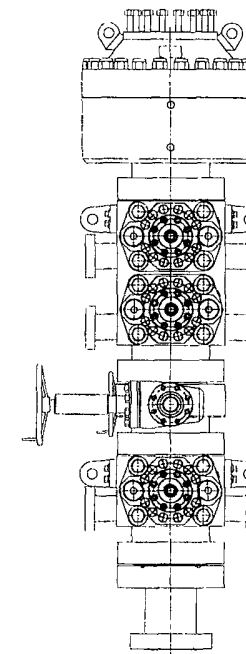
CAMERON UM SINGLE RAM TYPE PREVENTER (API 16A MONOGRAMMED, 13 5/8\" - 10M WP), WITH 5\" CAMERON PIPE RAMS (CAMRAM FRONT PACKERS & TOP SEALS) BOTTOM FLANGE x STUDDED TOP (WEIGHT = 10,900 LBS)

H&P - UNRISHED 13 5/8\" - 10M x 11\" - 5M ADAPTER SPOOL, 2'-0\" LONG WITH SS RING GROOVES (MARATHON RIGS 255, 256, 257 258 & 259 ONLY)

13 5/8\" - 10M STACK

PROPRIETARY

THIS DRAWING AND THE IDEAS AND INFORMATION INCLUDED IN THIS DRAWING ARE PROPRIETARY AND ARE NOT TO BE REPRODUCED, DISTRIBUTED OR DISCLOSED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF A DULY AUTHORIZED OFFICER OF HELMERICH & PAYNE INTERNATIONAL DRILLING CO.



CAMERON LIFT LYES, 2 PER PREVENTER, 50 SHORT TON RAFFD CAPACITY EACH

ISSUED FOR FABRICATION
December-18-2007
DRAFTSMAN
ENGINEER

API 6A MONOGRAMMED CAMERON CHECK AND KILL WING VALVE ASSEMBLIES ARE NOT SHOWN FOR CLARITY

WEIGHTS DO NOT INCLUDE HOSES, ADAPTER SPOOLS OR QUICK CONNECT FITTINGS

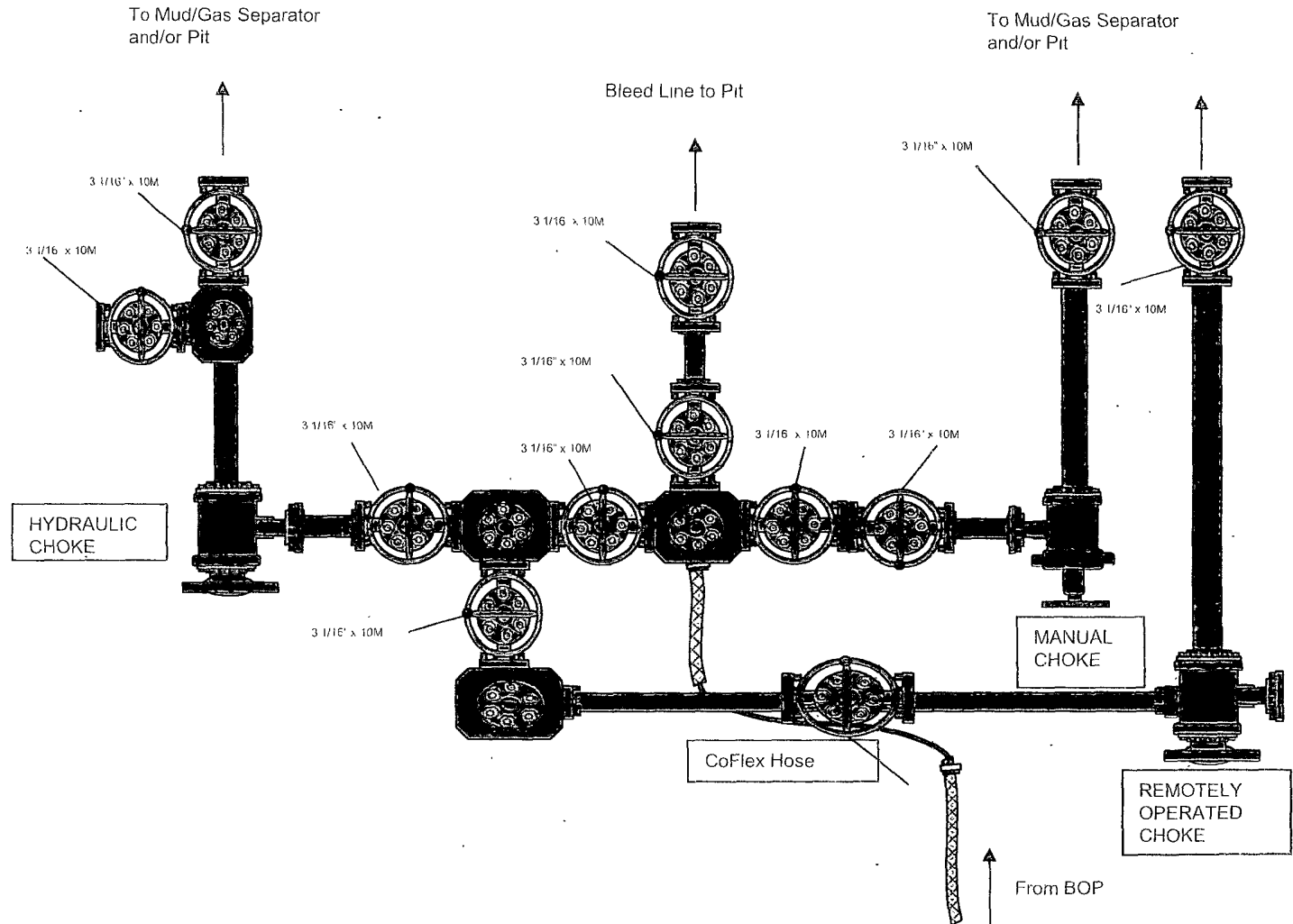
HELMERICH & PAYNE
INTERNATIONAL DRILLING CO.

13 5/8\" - 10M BOP 3 RAM STACK
FLEXRIC3

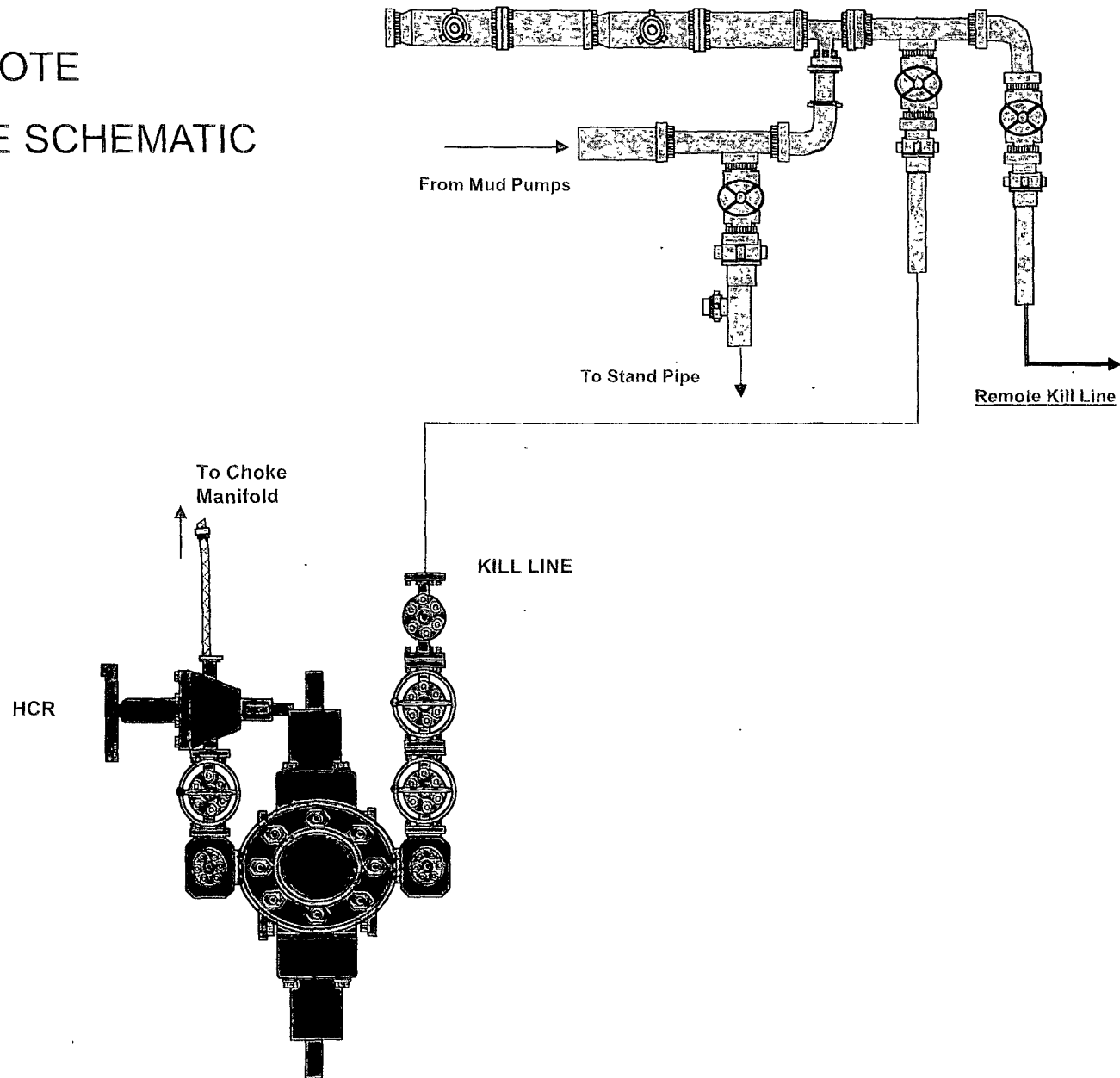
ENGINEERING APPROVAL		DATE	TITLE
12/18/07	ADDED SHEET 03	JAV	
4-10-07	OPERATION REVISI DOUBLE STUDDED ADAPTER VALVES 1, 2, 3, AND 45 CHECK VALVE ADDED	JDC	
4-04-07	ADDED TO SPALLER ADAPTER SPOOL	JDC	
02-07-07	ADDED ADAPTER SPOOL	MPL	
06-13-02	CORRECTED BOP STACK	MW	
REV	DATE	DESCRIPTION	BY
1			

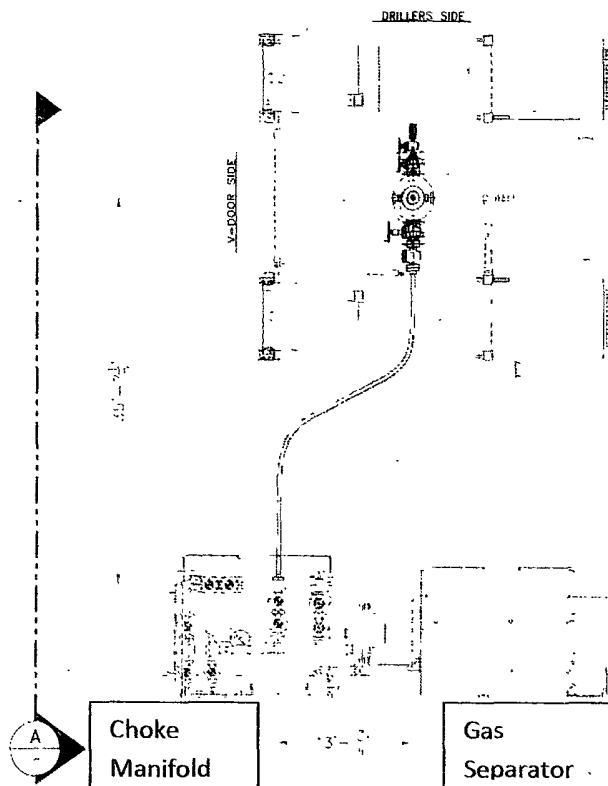
CUSTOMER: H&P
PROJECT: FLEXRIC3
DRAWN: MTS
SCALE: 3/4\" - 1\"
DATE: 6-5-02
SHEET: 1 OF 1
DWG NO: 210-P1-07
REV: E

10M CHOKE MANIFOLD CONFIGURATION

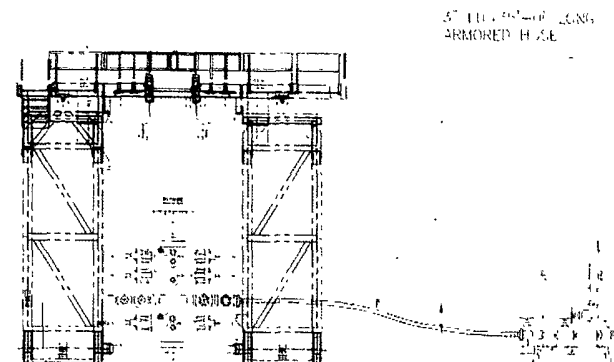


10M REMOTE KILL LINE SCHEMATIC





PLAN VIEW



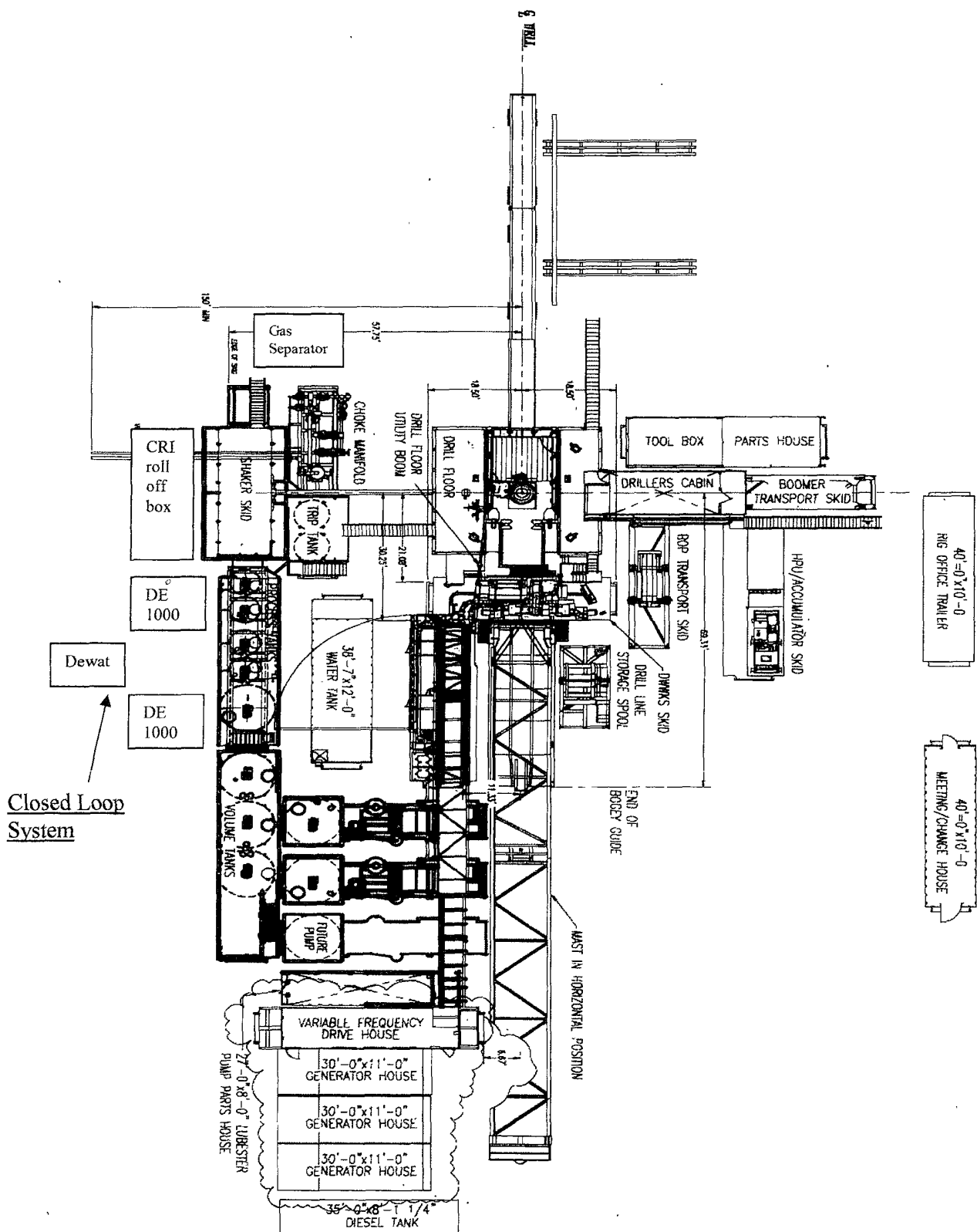
SECTION "A"

→ To Shakers

ISSUED FOR FABRICATION
December-19-2007
DRAFTSMAN
ENGINEER

PROPRIETARY
THIS DRAWING AND THE IDEAS AND INFORMATION INCLUDED
HEREIN ARE PROPRIETARY AND ARE NOT TO BE
REPRODUCED, DISTRIBUTED OR DISCLOSED IN ANY MANNER
WITHOUT THE PRIOR WRITTEN CONSENT OF A duly AUTHORIZED
OFFICER OF HELMERICH & PAYNE INTERNATIONAL DRILLING CO.

HELMERICH & PAYNE INTERNATIONAL DRILLING CO.	
CHOKER LINE SYSTEM FLEXRIC3	
CUSTOMER PROJECT	
ENGINEERING APPROVAL DATE	TITLE DRAWN DATE 12/19/07 REVISED UNDER TOTAL CONTROL SCALE 3/16"=1'
SHEET 2 OF 2 210-11-07	REV DATE DESCRIPTION





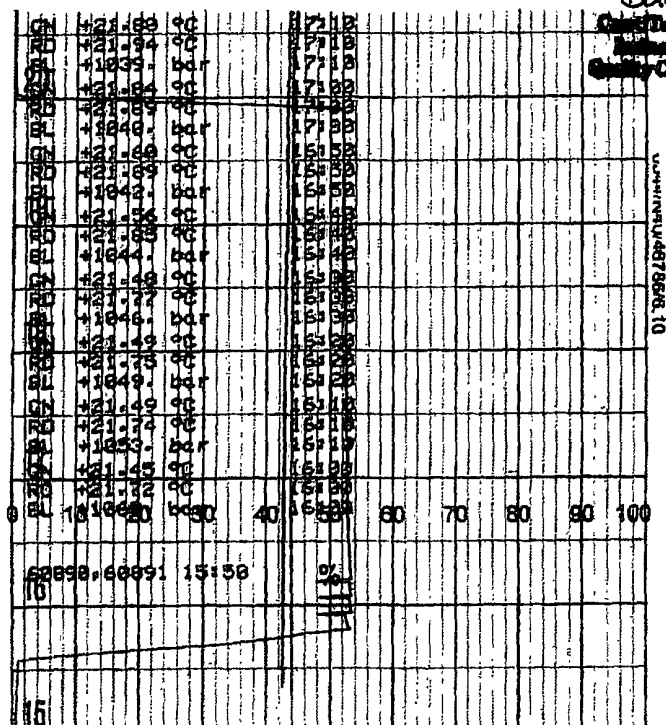
Fluid Technology

Quality Document

QUALITY CONTROL INSPECTION AND TEST CERTIFICATE				CERT. N°: 1121	
PURCHASER: ContiTech Beattie Co.				P.O. N°: 005123	
CONTITECH ORDER N°: 505591		HOSE TYPE: 3" ID Choke and Kill Hose			
HOSE SERIAL N°: 60880		NOMINAL / ACTUAL LENGTH: 10,67 m / 10,72 m			
W.P. 68,9 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 = 20 MPa					
COUPLINGS Type	Serial N°	Quality	Heat N°		
3" coupling with 4 1/16" Flange end	9409 9414	AISI 4130 AISI 4130	B3018A H2205 144004		
NOT DESIGNED FOR WELL TESTING			API Spec 16 C Temperature rate: "B"		
All metal parts are flawless					
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: 05. November 2011.	Inspector	Quality Control ContiTech Rubber Industrial Kft. Quality Control Dept. (1)			

No: 1121, 1122

Castech Rubber
 Industrial Kt.
 Quality Control Dept.
 (1)

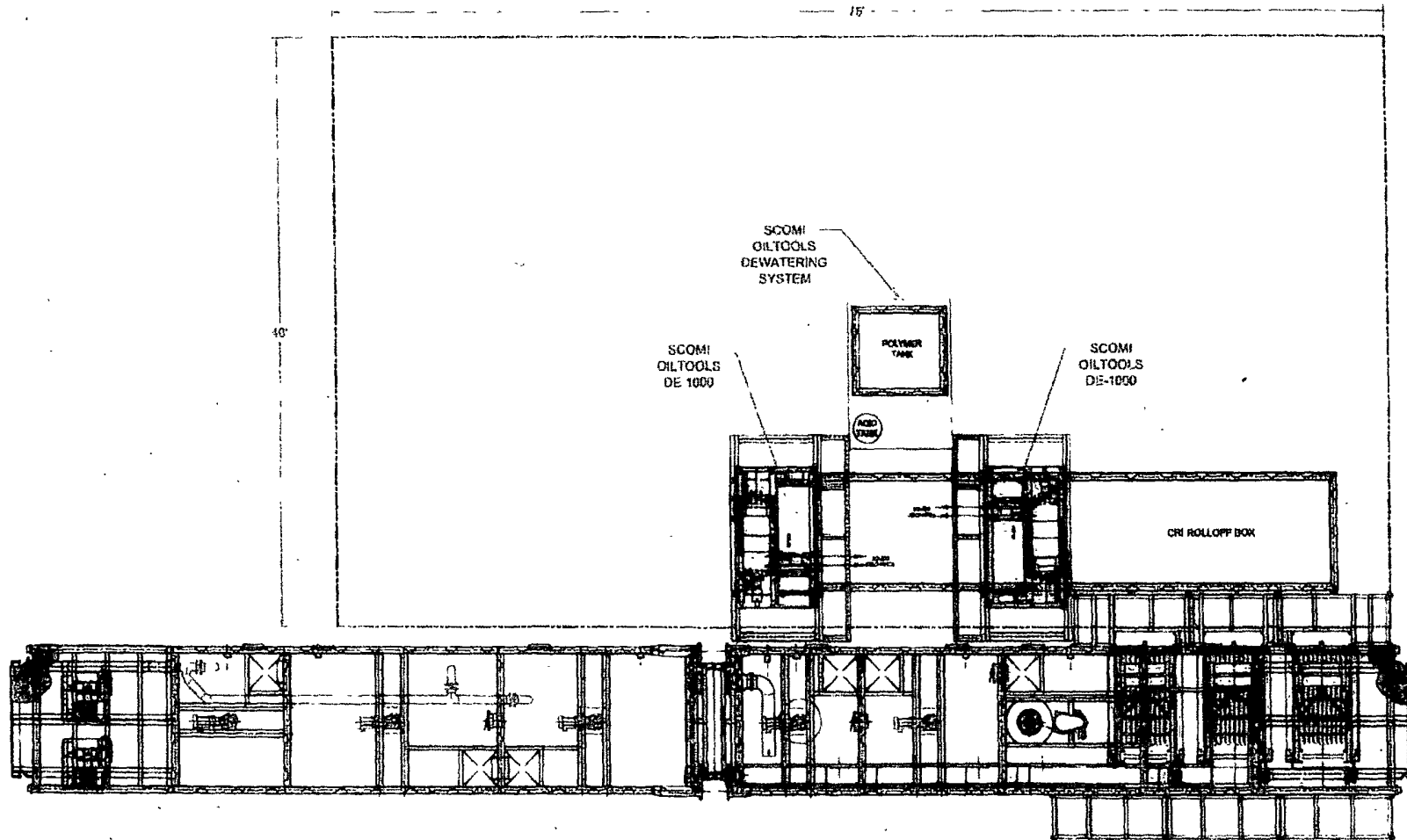


CONTITECH RUBBER Industrial Kft.	No: QC-DB- 559 / 2011
	Page: 10 / 54



Hose Data Sheet

CRI Order No.	505591
Customer	ContiTech Beattie Co.
Customer Order No	PO5123 STOCK
Item No.	1
Hose Type	Flexible Hose
Standard	API SPEC 16 C
Inside dia in Inches	3
Length	35 ft
Type of coupling one end	FLANGE 4 1/16" API SPEC 6A TYPE 6BX FOR 10000 PSI BX155 RING GROOVE
Type of coupling other end	FLANGE 4 1/16" API SPEC 6A TYPE 6BX FOR 10000 PSI BX155 RING GROOVE
H2S service NACE MR0175	Yes
Working Pressure	10 000 psi
Design Pressure	10 000 psi
Test Pressure	15 000 psi
Safety Factor	2,25
Marking	USUAL PHOENIX
Cover	NOT FIRE RESISTANT
Outside protection	St. steel outer wrap
Internal stripwound tube	No
Lining	OIL RESISTANT
Safety clamp	No
Lifting collar	No
Element C	No
Safety chain	No
Safety wire rope	No
Max. design temperature [°C]	100
Min. design temperature [°C]	-20
MBR operating [m]	1,80
MBR storage [m]	1,40
Type of packing	WOODEN CRATE ISPM-15



1. ALL STRUCTURAL STEEL SHALL BE A572 - A36. 2. ALL PIPE SHALL BE 40" O.D., 10" WALL THICKNESS, 10' LONG. 3. ALL FLOORING SHALL BE 4" CONCRETE, 10' LONG, 10' WIDE. 4. ALL FORMING SHALL BE 4" CONCRETE, 10' LONG, 10' WIDE. 5. ALL PARTS SHALL BE 10' LONG, 10' WIDE, 10' HIGH.				THE DESIGN, MATERIALS AND CONSTRUCTION OF THIS SYSTEM IS BASED ON THE ASSUMPTIONS AND CONDITIONS SET FORTH IN THE SPECIFICATIONS AND DRAWINGS. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND MAINTENANCE OF THIS SYSTEM. THE USER SHALL BE RESPONSIBLE FOR THE PROPER OPERATION OF THIS SYSTEM. THE USER SHALL BE RESPONSIBLE FOR THE PROPER DISPOSAL OF THE WASTE MATERIALS.				CLOSED LOOP SYSTEM BASIC LAYOUT AND TIE IN OXY - H&P - FLEX RIGS / PG 1 OF 2				Scomi			
DATE: 10/10/01 DRAWN BY: J. J. JONES CHECKED BY: J. J. JONES APPROVED BY: J. J. JONES				DATE: 10/10/01 DRAWN BY: J. J. JONES CHECKED BY: J. J. JONES APPROVED BY: J. J. JONES				DATE: 10/10/01 DRAWN BY: J. J. JONES CHECKED BY: J. J. JONES APPROVED BY: J. J. JONES				DATE: 10/10/01 DRAWN BY: J. J. JONES CHECKED BY: J. J. JONES APPROVED BY: J. J. JONES			
521S-014				521S-014				521S-014				521S-014			



New Mexico Drilling Daily Circulating System Inspection
For Closed Loop Systems

Wellname:		Permit #:		Rig Mobe Date:	
County:				Rig Demobe Date:	

Inspection Date	Time	By Whom	Any drips or leaks from steel tanks, lines or pumps not contained?* Explain.	Has any hazardous waste been disposed of in system?

All circulating systems to be inspected DAILY during drilling operations.
*Any leak of the steel tanks, lines or pumps shall be reported to the NMOCD and repaired within 48 hours.