

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

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 reverse side.1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
BOPCO, L. P.3a. Address
P. O. Box 2760, Midland, TX 797023b. Phone No. (include area code)
432-683-2277

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Surface: NWNW, UL D, 330' FNL, 120' FWL, Lat N32.339839, Long W103.808075
Bottom Hole: 1330' FNL, 2288' FWL, Sec 8, T23S, R31E, Lat N32.322633, Long W103.8015. Lease Serial No.
NM 02887B

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
James Ranch Unit #115H9. API Well No.
30-015-3811810. Field and Pool, or Exploratory Area
Quahada Ridge SE (Delaware)11. County or Parish, State
Sec 5, T23S, R31E, Mer NMP

12. CHECK 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 recompleate 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

BOPCO, L.P. respectfully requests the changes listed below to be approved for the above captioned well. Additionally, the well will be drilled using the Latshaw Rig #4 (updated rig plats and well plan attached).
The new BHL will be 1330' FNL, 2288' FWL, Sec 8, T23S, R31E.

The dedicated proration units will now be 240 acres.

We would like to utilize an armored, 3-1/2", 5000 psi WP flex hose for the choke line in the drilling of the well. This is rig equipment and will help quicken nipple up time thus saving money without a safety problem. The hose itself is rated to 5000 psi and has 5000 psi flanges on each end. This well is to be drilled to 14,571' MD (7757' TVD) and max surface pressure should be +/- 1707 psi as prescribed in onshore order #2 shown as 0.22 psi/ft. Thus, 2000 psi BOPE (for 12-1/4" hole) and 3000 psi BOPE (for 8-3/4" and 6-1/8" hole) is all that is needed for this well.

The Latshaw #4 BOPE diagram (5000 psi as specified within the approved APD) is attached along with spec sheet and drawing of the 3-1/2" flex hose.

Surface Casing will be 747' of 13-3/8", 54.5 ppf, J-55, STC, second intermediate casing will be 8250' of 7", 26 ppf, N-80, LTC, and production liner will be from 8050' to 14,571' of 4-1/2", 11.6 ppf, HCP-110, LTC with Baker OH packers for zone isolation. Cement on additional page.

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

Brian Hammit

Title Drilling Engineer

Signature

Date

02/14/2011

APPROVED

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

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

MAR 1 2011

/s/ Chris Walls

BUREAU OF LAND MANAGEMENT

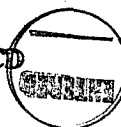
CARLSBAD FIELD OFFICE

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)

RECEIVED
MAR 09 2011
NMOCD ARTESIA

Accepted for record - NMOCD



Cement program changes as follows:

Surface: 0 - 747', Lead 440 sx RSS micro + additives (12.8 ppg, 1.87 yield), Tail 175 sx Class C + additives (14.8 ppg, 1.36 yield)

1st Intermediate: 0 - 3,993', Lead 675 sx Class C 35/65 + additives (12.8 ppg, 1.91 yield), Tail 320 sx Class C + additives (14.8 ppg, 1.34 yield)

2nd Intermediate: 0 - 8,250', DV Tool @ 5,000', 1st Stage: Lead 280 sx RSS Ultra Lite I + additives (10.5 ppg, 2.41 yield), Tail 155 sx RSS micro + additives (13 ppg, 1.38 yield)

2nd Stage: Lead 290 sx RSS Ultra Lite I + additives (10.5 ppg, 2.42 yield), Tail 195 sx Class C + additives (14.8 ppg, 1.33 yield)

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised October 15, 2009

Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-38118	Pool Code 50443	Pool Name QUAHADA RIDGE, SE (DELAWARE)
Property Code 306407	Property Name JAMES RANCH UNIT	Well Number 115H
OGRID No. 26037	Operator Name BOPCO, L.P.	Elevation 3331'

Surface Location

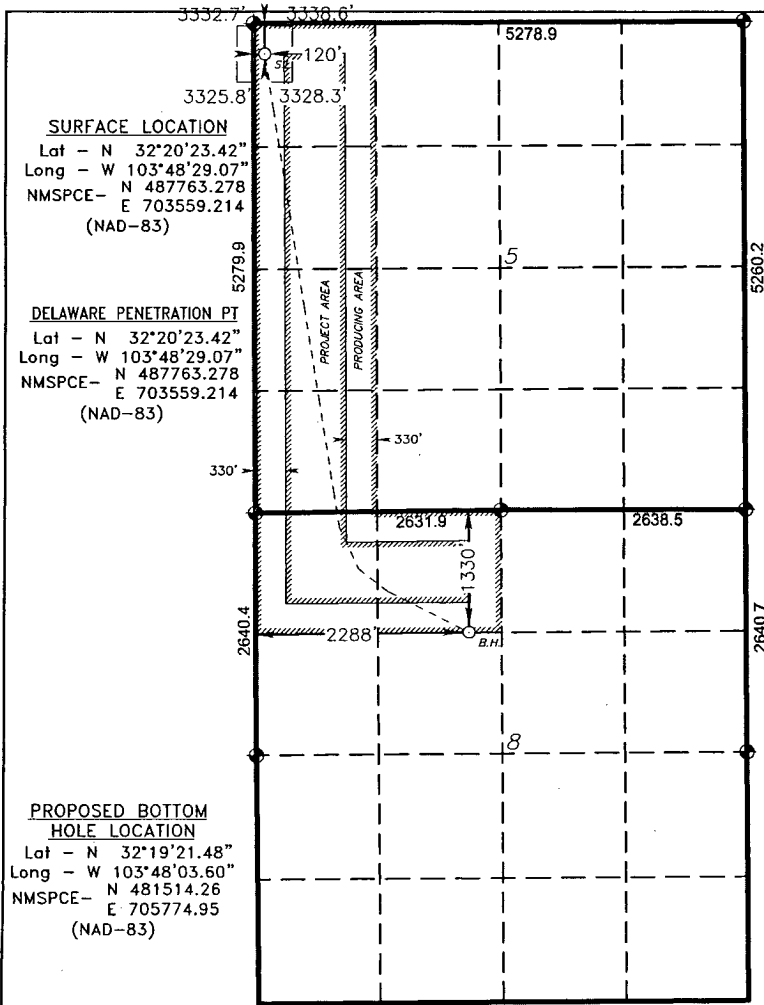
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	5	23 S	31 E		330	NORTH	120	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	8	23 S	31 E		1330	NORTH	2288	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

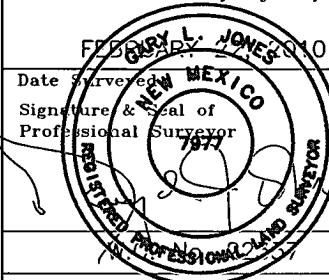
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: *Brian Hammit* Date: 2/14/11

BRIAN HAMMIT
Printed Name

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.



Certificate No. Gary L. Jones 7977

BASIN SURVEYS



Weatherford[®]

Drilling Services

Proposal

BOPCO, L.P.

JRU #115H

EDDY CO, NM

WELL FILE: **PLAN 2**

FEBRUARY 3, 2011

Weatherford International, Ltd.

P.O. Box 61028

Midland, TX 79711 USA

+1.432.561.8892 Main

+1.432.561.8895 Fax

www.weatherford.com

JRU #115H
Eddy Co., New Mexico

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLog	TFace	VSec	Target
1	0.00	0.00	170.76	0.00	0.00	0.00	0.00	0.00	0.00	
2	7249.54	0.00	170.76	7249.54	0.00	0.00	0.00	0.00	0.00	
3	7999.54	90.00	170.76	7727.00	-471.27	76.64	12.00	170.76	469.79	
4	8221.66	90.00	170.76	7727.00	-690.52	112.30	0.00	0.00	688.35	Tgt
5	8230.58	89.73	170.76	7727.02	-693.33	113.73	3.00	180.00	697.13	
6	12688.06	89.73	170.76	7747.85	-5098.95	509.22	0.00	0.00	5087.91	
7	13579.46	89.73	117.28	7752.35	-5794.39	1334.09	6.00	-90.14	5970.08	
8	14571.43	89.73	117.28	7757.00	-6249.02	2215.74	0.00	0.00	6630.22	Pbhl

WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
JRU #115H	0.00	0.00	487763.28	703559.21	32°20'23.411N	103°48'29.082W	N/A

TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape	
Build 12.00	Tgt	7727.00	-690.52	112.30	487072.76	703671.51	Point
	Pbhl	7757.00	-6249.02	2215.74	481514.26	705774.95	Point

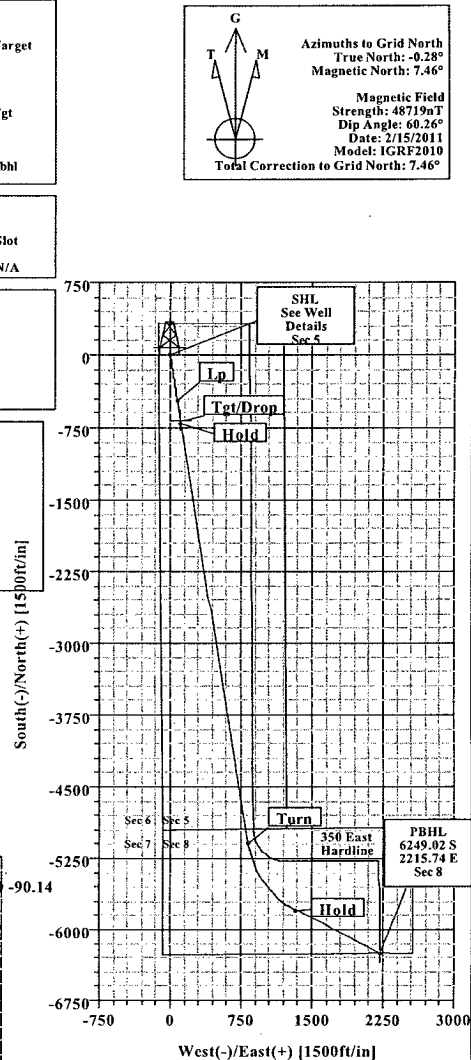
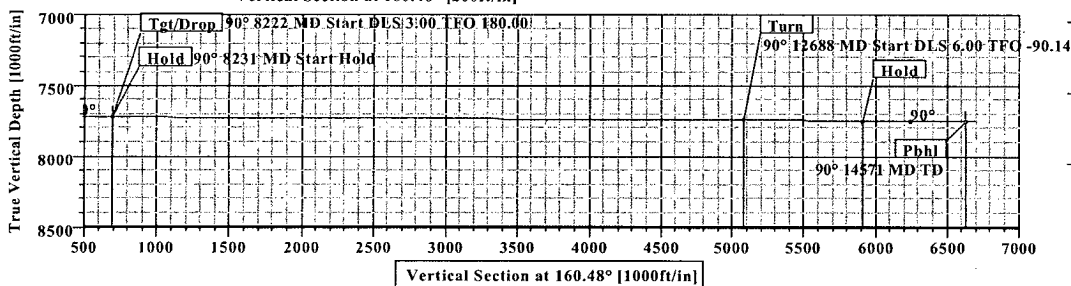
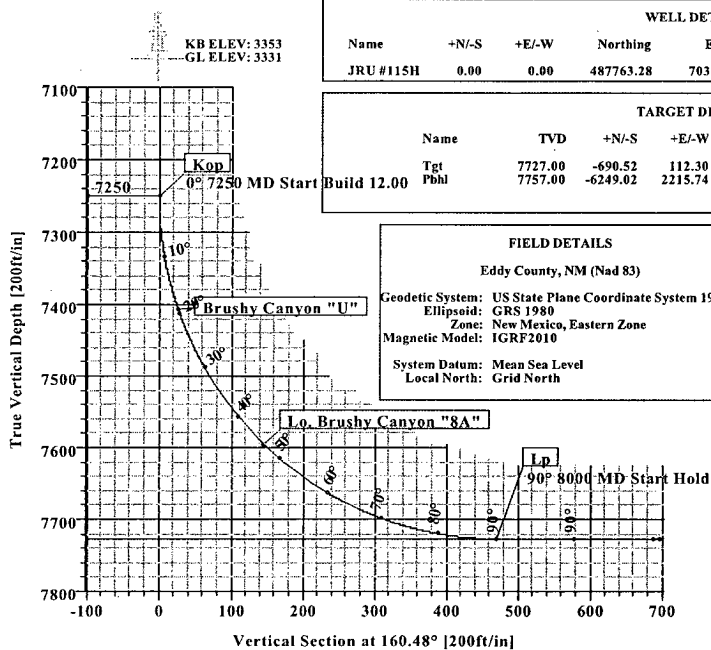
FIELD DETAILS

Eddy County, NM (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

SITE DETAILS
JRU #115H
Site Centre Northing: 487763.28
Easting: 703559.21
Ground Level: 3331.00
Positional Uncertainty: 0.00
Convergence: 0.28



Plan: Plan #2 (JRU #115H/1)

Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: BOPCO, L.P.		Date: 2/3/2011		Time: 13:33:15		Page: 1	
Field: Eddy County, NM (Nad 83)		Co-ordinate(NE) Reference:		Well: JRU #115H, Grid North			
Site: JRU #115H		Vertical (TVD) Reference:		SITE 3353.0			
Well: JRU #115H		Section (VS) Reference:		Well (0.00N,0.00E,160.48Azi)			
Wellpath: 1		Survey Calculation Method:		Minimum Curvature		Db: Sybase	

Plan: Plan #2		Date Composed: 1/31/2011	
Principal: Yes		Version: 1	
		Tied-to: From Surface	

Field: Eddy County, NM (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: JRU #115H					
Site Position:		Northing: 487763.28 ft		Latitude: 32 20 23.411 N	
From: Map		Easting: 703559.21 ft		Longitude: 103 48 29.082 W	
Position Uncertainty: 0.00 ft				North Reference: Grid	
Ground Level: 3331.00 ft				Grid Convergence: 0.28 deg	

Well: JRU #115H				Slot Name:			
Well Position: +N/-S 0.00 ft		Northing: 487763.28 ft		Latitude: 32 20 23.411 N			
+E/-W 0.00 ft		Easting: 703559.21 ft		Longitude: 103 48 29.082 W			
Position Uncertainty: 0.00 ft							

Wellpath: 1				Drilled From: Surface			
				Tie-on Depth: 0.00 ft			
Current Datum: SITE				Above System Datum: Mean Sea Level			
Magnetic Data: 2/15/2011				Declination: 7.75 deg			
Field Strength: 48719 nT				Mag Dip Angle: 60.26 deg			
Vertical Section: Depth From (TVD)		+N/-S		+E/-W		Direction	
ft		ft		ft		deg	
0.00		0.00		0.00		160.48	

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	170.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7249.54	0.00	170.76	7249.54	0.00	0.00	0.00	0.00	0.00	0.00	
7999.54	90.00	170.76	7727.00	-471.27	76.64	12.00	12.00	0.00	170.76	Tgt
8221.66	90.00	170.76	7727.00	-690.52	112.30	0.00	0.00	0.00	0.00	
8230.58	89.73	170.76	7727.02	-699.33	113.73	3.00	-3.00	0.00	180.00	
12688.06	89.73	170.76	7747.85	-5098.95	829.22	0.00	0.00	0.00	0.00	
13579.46	89.73	117.28	7752.35	-5794.39	1334.09	6.00	0.00	-6.00	-90.14	
14571.43	89.73	117.28	7757.00	-6249.02	2215.74	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
7200.00	0.00	170.76	7200.00	0.00	0.00	0.00	0.00	487763.28	703559.21	
7249.54	0.00	170.76	7249.54	0.00	0.00	0.00	0.00	487763.28	703559.21	Kop
7300.00	6.06	170.76	7299.91	-2.63	0.43	2.62	12.00	487760.65	703559.64	
7400.00	18.06	170.76	7397.52	-23.21	3.77	23.13	12.00	487740.07	703562.99	
7408.95	19.13	170.76	7406.00	-26.02	4.23	25.94	12.00	487737.26	703563.45	Brushy Canyon "U"
7500.00	30.06	170.76	7488.67	-63.37	10.31	63.17	12.00	487699.91	703569.52	
7600.00	42.06	170.76	7569.37	-121.36	19.74	120.97	12.00	487641.92	703578.95	
7635.76	46.35	170.76	7595.00	-145.96	23.74	145.50	12.00	487617.32	703582.95	Lo. Brushy Canyon
7700.00	54.06	170.76	7636.09	-194.64	31.65	194.02	12.00	487568.64	703590.87	
7800.00	66.06	170.76	7685.91	-280.01	45.54	279.13	12.00	487483.27	703604.75	
7818.26	68.25	170.76	7693.00	-296.62	48.24	295.68	12.00	487466.66	703607.45	LBC "W" Sand
7900.00	78.06	170.76	7716.66	-373.74	60.78	372.56	12.00	487389.54	703619.99	
7999.54	90.00	170.76	7727.00	-471.28	76.64	469.80	12.00	487292.00	703635.86	Lp
8000.00	90.00	170.76	7727.00	-471.73	76.72	470.25	0.00	487291.55	703635.93	

Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: BOPCO, L.P.
Field: Eddy County, NM (Nad 83)
Site: JRU #115H
Well: JRU #115H
Wellpath: 1

Date: 2/3/2011 Time: 13:33:15 Page: 2
Co-ordinate(N/E) Reference: Well: JRU #115H, Grid North
Vertical (TVD) Reference: SITE 3353.0
Section (VS) Reference: Well (0.00N,0.00E,160.48Azi)
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
8100.00	90.00	170.76	7727.00	-570.44	92.77	568.64	0.00	487192.84	703651.98	
8200.00	90.00	170.76	7727.00	-669.14	108.82	667.03	0.00	487094.14	703668.03	
8221.66	90.00	170.76	7727.00	-690.52	112.30	688.35	0.00	487072.76	703671.51	Tgt
8230.46	89.74	170.76	7727.02	-699.20	113.71	697.00	3.00	487064.07	703672.92	Hold
8230.58	89.73	170.76	7727.02	-699.33	113.73	697.13	3.00	487063.95	703672.94	
8300.00	89.73	170.76	7727.35	-767.84	124.87	765.43	0.00	486995.44	703684.08	
8400.00	89.73	170.76	7727.81	-866.54	140.92	863.82	0.00	486896.73	703700.14	
8500.00	89.73	170.76	7728.28	-965.25	156.97	962.21	0.00	486798.03	703716.19	
8600.00	89.73	170.76	7728.75	-1063.95	173.03	1060.60	0.00	486699.33	703732.24	
8700.00	89.73	170.76	7729.21	-1162.65	189.08	1158.99	0.00	486600.63	703748.29	
8800.00	89.73	170.76	7729.68	-1261.35	205.13	1257.38	0.00	486501.93	703764.34	
8900.00	89.73	170.76	7730.15	-1360.05	221.18	1355.78	0.00	486403.22	703780.39	
9000.00	89.73	170.76	7730.62	-1458.76	237.23	1454.17	0.00	486304.52	703796.45	
9100.00	89.73	170.76	7731.08	-1557.46	253.28	1552.56	0.00	486205.82	703812.50	
9200.00	89.73	170.76	7731.55	-1656.16	269.33	1650.95	0.00	486107.12	703828.55	
9300.00	89.73	170.76	7732.02	-1754.86	285.39	1749.34	0.00	486008.41	703844.60	
9400.00	89.73	170.76	7732.48	-1853.57	301.44	1847.73	0.00	485909.71	703860.65	
9500.00	89.73	170.76	7732.95	-1952.27	317.49	1946.13	0.00	485811.01	703876.70	
9600.00	89.73	170.76	7733.42	-2050.97	333.54	2044.52	0.00	485712.31	703892.75	
9700.00	89.73	170.76	7733.89	-2149.67	349.59	2142.91	0.00	485613.61	703908.81	
9800.00	89.73	170.76	7734.35	-2248.37	365.64	2241.30	0.00	485514.90	703924.86	
9900.00	89.73	170.76	7734.82	-2347.08	381.70	2339.69	0.00	485416.20	703940.91	
10000.00	89.73	170.76	7735.29	-2445.78	397.75	2438.08	0.00	485317.50	703956.96	
10100.00	89.73	170.76	7735.76	-2544.48	413.80	2536.48	0.00	485218.80	703973.01	
10200.00	89.73	170.76	7736.22	-2643.18	429.85	2634.87	0.00	485120.09	703989.06	
10300.00	89.73	170.76	7736.69	-2741.89	445.90	2733.26	0.00	485021.39	704005.12	
10400.00	89.73	170.76	7737.16	-2840.59	461.95	2831.65	0.00	484922.69	704021.17	
10500.00	89.73	170.76	7737.62	-2939.29	478.00	2930.04	0.00	484823.99	704037.22	
10600.00	89.73	170.76	7738.09	-3037.99	494.06	3028.44	0.00	484725.29	704053.27	
10700.00	89.73	170.76	7738.56	-3136.70	510.11	3126.83	0.00	484626.58	704069.32	
10800.00	89.73	170.76	7739.03	-3235.40	526.16	3225.22	0.00	484527.88	704085.37	
10900.00	89.73	170.76	7739.49	-3334.10	542.21	3323.61	0.00	484429.18	704101.42	
11000.00	89.73	170.76	7739.96	-3432.80	558.26	3422.00	0.00	484330.48	704117.48	
11100.00	89.73	170.76	7740.43	-3531.50	574.31	3520.39	0.00	484231.77	704133.53	
11200.00	89.73	170.76	7740.89	-3630.21	590.36	3618.79	0.00	484133.07	704149.58	
11300.00	89.73	170.76	7741.36	-3728.91	606.42	3717.18	0.00	484034.37	704165.63	
11400.00	89.73	170.76	7741.83	-3827.61	622.47	3815.57	0.00	483935.67	704181.68	
11500.00	89.73	170.76	7742.30	-3926.31	638.52	3913.96	0.00	483836.97	704197.73	
11600.00	89.73	170.76	7742.76	-4025.02	654.57	4012.35	0.00	483738.26	704213.79	
11700.00	89.73	170.76	7743.23	-4123.72	670.62	4110.74	0.00	483639.56	704229.84	
11800.00	89.73	170.76	7743.70	-4222.42	686.67	4209.14	0.00	483540.86	704245.89	
11900.00	89.73	170.76	7744.17	-4321.12	702.73	4307.53	0.00	483442.16	704261.94	
12000.00	89.73	170.76	7744.63	-4419.82	718.78	4405.92	0.00	483343.45	704277.99	
12100.00	89.73	170.76	7745.10	-4518.53	734.83	4504.31	0.00	483244.75	704294.04	
12200.00	89.73	170.76	7745.57	-4617.23	750.88	4602.70	0.00	483146.05	704310.09	
12300.00	89.73	170.76	7746.03	-4715.93	766.93	4701.09	0.00	483047.35	704326.15	
12400.00	89.73	170.76	7746.50	-4814.63	782.98	4799.49	0.00	482948.65	704342.20	
12500.00	89.73	170.76	7746.97	-4913.34	799.03	4897.88	0.00	482849.94	704358.25	
12600.00	89.73	170.76	7747.44	-5012.04	815.09	4996.27	0.00	482751.24	704374.30	
12688.06	89.73	170.76	7747.85	-5098.95	829.22	5082.91	0.00	482664.32	704388.44	Turn
12700.00	89.73	170.05	7747.90	-5110.73	831.21	5094.67	6.00	482652.55	704390.43	
12800.00	89.72	164.05	7748.38	-5208.14	853.62	5193.97	6.00	482555.14	704412.83	

Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: BOPCO, L.P.
Field: Eddy County, NM (Nad 83)
Site: JRU #115H
Well: JRU #115H
Wellpath: 1

Date: 2/3/2011 Time: 13:33:15 Page: 3
Co-ordinate(NE) Reference: Well: JRU #115H, Grid North
Vertical (TVD) Reference: SITE 3353.0
Section (VS) Reference: Well (0.00N,0.00E,160.48Azi)
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
12900.00	89.71	158.05	7748.88	-5302.67	886.08	5293.92	6.00	482460.61	704445.30	
13000.00	89.70	152.05	7749.40	-5393.29	928.25	5393.42	6.00	482369.98	704487.46	
13100.00	89.70	146.05	7749.92	-5479.01	979.66	5491.39	6.00	482284.27	704538.87	
13200.00	89.70	140.05	7750.44	-5558.89	1039.75	5586.76	6.00	482204.39	704598.96	
13300.00	89.70	134.05	7750.96	-5632.04	1107.86	5678.47	6.00	482131.24	704667.07	
13400.00	89.71	128.05	7751.47	-5697.68	1183.24	5765.52	6.00	482065.60	704742.45	
13500.00	89.72	122.05	7751.97	-5755.07	1265.07	5846.97	6.00	482008.20	704824.28	
13579.46	89.73	117.28	7752.35	-5794.39	1334.09	5907.08	6.00	481968.89	704893.31	Hold
13600.00	89.73	117.28	7752.45	-5803.80	1352.35	5922.06	0.00	481959.48	704911.57	
13700.00	89.73	117.28	7752.92	-5849.63	1441.23	5994.96	0.00	481913.65	705000.44	
13800.00	89.73	117.28	7753.38	-5895.46	1530.11	6067.86	0.00	481867.82	705089.32	
13900.00	89.73	117.28	7753.85	-5941.29	1618.99	6140.75	0.00	481821.98	705178.20	
14000.00	89.73	117.28	7754.32	-5987.13	1707.86	6213.65	0.00	481776.15	705267.08	
14100.00	89.73	117.28	7754.79	-6032.96	1796.74	6286.55	0.00	481730.32	705355.96	
14200.00	89.73	117.28	7755.26	-6078.79	1885.62	6359.45	0.00	481684.49	705444.83	
14300.00	89.73	117.28	7755.73	-6124.62	1974.50	6432.35	0.00	481638.66	705533.71	
14400.00	89.73	117.28	7756.20	-6170.45	2063.38	6505.24	0.00	481592.83	705622.59	
14500.00	89.73	117.28	7756.67	-6216.28	2152.25	6578.14	0.00	481547.00	705711.47	
14571.43	89.73	117.28	7757.00	-6249.02	2215.74	6630.22	0.00	481514.26	705774.95	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
Tgt			7727.00	-690.52	112.30	487072.76	703671.51	32 20 16.573 N	103 48 27.813 W
Pbhl			7757.00	-6249.02	2215.74	481514.26	705774.95	32 19 21.466 N	103 48 3.618 W

Casing Points

MD	TVD	Diameter	Hole Size	Name

Annotation

MD ft	TVD ft	
7249.54	7249.54	Kop
7999.54	7727.00	Lp
8221.66	7727.00	Tgt/Drop
8230.46	7727.02	Hold
12688.06	7747.85	Turn
13579.46	7752.35	Hold
14571.43	7757.00	Pbhl

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
7408.95	7406.00	Brushy Canyon "U"		0.00	0.00
7635.76	7595.00	Lo. Brushy Canyon "8A"		0.00	0.00
7818.26	7693.00	LBC "W" Sand		0.00	0.00

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

GeoDec v5.03

Report Date: February 01, 2011

Job Number: _____

Customer: BOPCO, L.P.

Well Name: JRU #115H

API Number: _____

Rig Name: _____

Location: Eddy County, NM

Block: _____

Engineer: RWJ

Geodetic Latitude / Longitude

US State Plane 1983

System: Latitude / Longitude

System: New Mexico Eastern Zone

Projection: Geodetic Latitude and Longitude

Projection: Transverse Mercator/Gauss Kruger

Datum: North American Datum 1983

Datum: North American Datum 1983

Ellipsoid: GRS 1980

Ellipsoid: GRS 1980

Latitude 32.3398392 DEG

North/South 487763.280 USFT

Longitude -103.8080739 DEG

East/West 703559.210 USFT

Grid Convergence: .28°

Total Correction: +7.48°

Geodetic Location WGS84

Elevation = 0.0 Meters

Latitude = 32.33984° N 32° 20 min 23.421 sec

Longitude = 103.80807° W 103° 48 min 29.066 sec

Magnetic Declination = 7.76° [True North Offset]

Local Gravity = .9988 g CheckSum = 6639

Local Field Strength = 48723 nT Magnetic Vector X = 23946 nT

Magnetic Dip = 60.26° Magnetic Vector Y = 3261 nT

Magnetic Model = IGRF-2010g11 Magnetic Vector Z = 42307 nT

Spud Date = Jan 15, 2011 Magnetic Vector H = 24167 nT

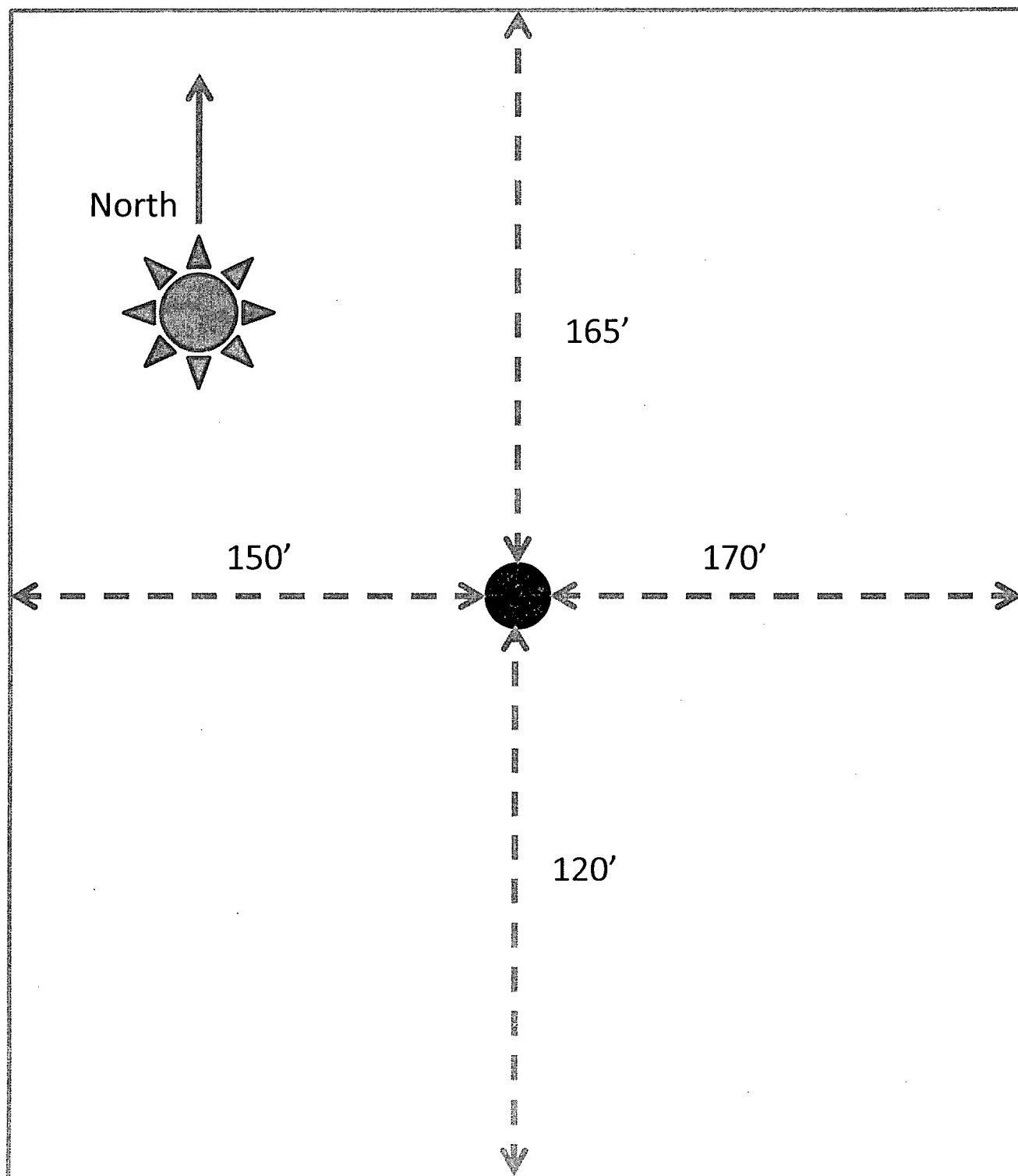
Signed: _____

Date: _____

James Ranch Unit #115H
Latshaw Rig #4 Location Size



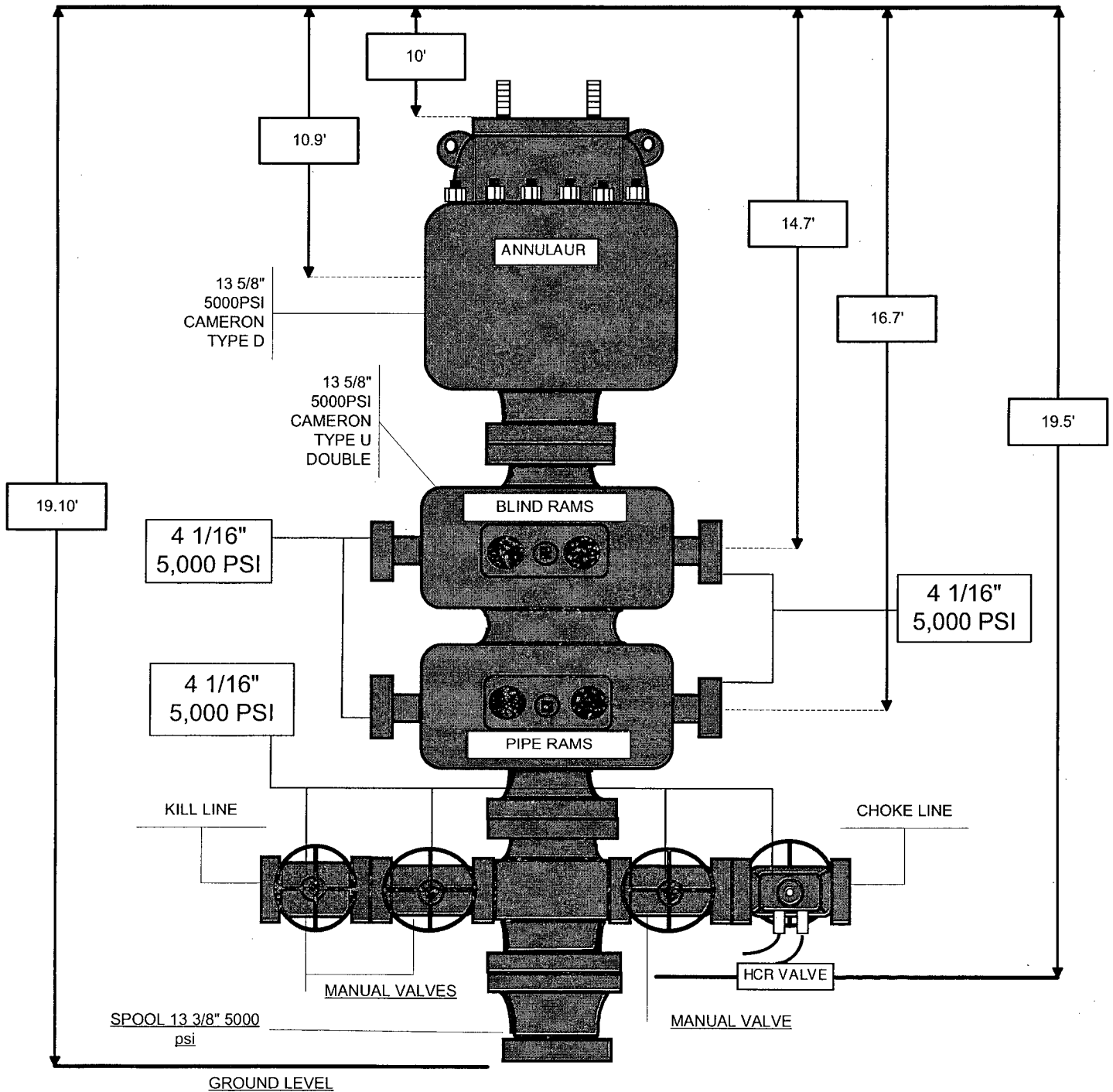
V-Door East

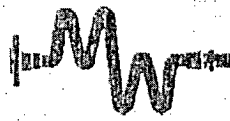


LATSHAW DRILLING

RIG 4

Top of Rotary





Midwest Hose
& Specialty, Inc.

Specification Sheet Choke & Kill Hose

The Midwest Hose & Specialty Choke & Kill hose is manufactured with only premium components. The reinforcement cables, inner liner and cover are made of the highest quality material to handle the tough drilling applications of today's industry. The end connections are available with API flanges, API male threads, hubs, hammer unions or other special fittings upon request. Hose assembly is manufactured to API 7K. This assembly is wrapped with fire resistant vermiculite coated fiberglass insulation, rated at 2000 degrees with stainless steel armor cover.

Working Pressure:	5,000 or 10,000 psi working pressure
Test Pressure:	10,000 or 15,000 psi test pressure
Reinforcement:	Multiple steel cables
Cover:	Stainless Steel Armor
Inner Tube:	Petroleum resistant, Abrasion resistant
End Fitting:	API flanges, API male threads, threaded or butt weld hammer unions, unbolt and other special connections
Maximum Length:	110 Feet
ID:	2-1/2", 3", 3-1/2", 4"
Operating Temperature:	-22 deg F to +180 deg F (-30 deg C to +82 deg C)

M I D W E S T
HOSE AND SPECIALTY INC.

INTERNAL HYDROSTATIC TEST REPORT			
Customer: LATSHAW DRILLING		P.O. Number: Rig#4	
HOSE SPECIFICATIONS			
Type: 3 1/2" Choke Line		Length: 29'	
I.D. 3 1/2" INCHES		O.D. 6 1/2" INCHES	
WORKING PRESSURE 5,000 PSI	TEST PRESSURE 10,000 PSI	BURST PRESSURE PSI	
COUPLINGS			
Type of End Fitting 956hxx+64wb			
Type of Coupling: 4 1/16 5K			
PROCEDURE			
<i>Hose assembly pressure tested with water at ambient temperature.</i>			
TIME HELD AT TEST PRESSURE 15 MIN.		ACTUAL BURST PRESSURE: 0 PSI	
COMMENTS: S/N# 0204168 Hose is covered with stainless steel armour cover and wrapped with fire resistant vermiculite coated fiberglass insulation rated for 1500 degrees complete with lifting eyes			
Date: 2/16/2006	Tested By: BOBBY FINK	Approved: MENDI JACKSON	

**James Ranch Unit 115H
30-015-38118
BOPCO
March 1, 2011
Conditions of Approval**

- 1. Variance approved to use flex line with Serial #0204168 from BOP to choke manifold. Check condition of 3" flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. Anchor requirements to be onsite for review. If the BLM inspector questions the straightness of the hose, a BLM engineer will be contacted and will review in the field or via picture supplied by inspector to determine if changes are required (operator shall expect delays if this occurs).**

CRW 030111