

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-101
Revised July 18, 2013

☐ AMENDED REPORT

NM OIL CONSERVATION
ARTESIA DISTRICT

JUN 23 2014

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address BOPCO, L.P. P.O. Box 2760 Midland, TX		² OGRID Number 260
⁴ Property Code 305860		³ API Number 30-015-42462 ⁵ Well No. 295H

⁷ Surface Location									
UL - Lot M	Section 32	Township 21 S	Range 29 E	Lot Idn	Feet from 660	N/S Line SOUTH	Feet From 330	E/W Line WEST	County EDDY

⁸ Proposed Bottom Hole Location									
UL - Lot P	Section 32	Township 21 S	Range 29 E	Lot Idn	Feet from 660	N/S Line SOUTH	Feet From 330	E/W Line EAST	County EDDY

⁹ Pool Information	
Pool Name US; Bone Spring	Pool Code 97077 -

Additional Well Information				
¹¹ Work Type New Well	¹² Well Type Oil	¹³ Cable/Rotary	¹⁴ Lease Type State	¹⁵ Ground Level Elevation 3,369'
¹⁶ Multiple N	¹⁷ Proposed Depth 13,167'	¹⁸ Formation 2 nd Bone Spring Sand	¹⁹ Contractor	²⁰ Spud Date 08/01/2014
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

²¹ Proposed Casing and Cement Program						
Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	17-1/2"	13-38"	48	635'	610	Surface
1 st Int.	12-1/4"	9-5/8"	40	3,777'	920	Surface
2 nd Int.	8-3/4"	7"	26	9,028'	540	3,277' (MD)
Prod.	6-1/8"	4-1/2"	11.6	13,167'	300	8,978' (MD)

Casing/Cement Program: Additional Comments

--

²² Proposed Blowout Prevention Program			
Type	Working Pressure	Test Pressure	Manufacturer
Annular	5,000	2,500	Hydrill
Double Ram	5,000	5,000	Shaffer

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that I have complied with 19.15.14.9 (A) NMAC ☐ and/or 19.15.14.9 (B) NMAC ☐ , if applicable. Signature: <i>Whitney McKee</i>	OIL CONSERVATION DIVISION
Printed name: Whitney McKee	Approved By: <i>T.C. Shepard</i>
Title: Engineering Assistant	Title: "Geologist"
E-mail Address: wbmckee@basspet.com	Approved Date: <i>6-24-2014</i> Expiration Date: <i>6-24-2016</i>
Date: 06/20/2014	Conditions of Approval Attached

NM OIL CONSERVATION
ARTESIA DISTRICT

JUN 23 2014 Form C-102
Revised August 1, 2011

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DISTRICT IV

1320 S. St. Francis Dr., Santa Fe, NM 87505
Phone:(505)478-3460 Fax:(505)478-3182

State of New Mexico
Energy, Minerals and Natural Resources Department

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

RECEIVED to appropriate
District Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-42462		Pool Code 97077	Pool Name US; Bone Spring
Property Code 305860	Property Name BIG EDDY UNIT		Well Number #295H
OGRID No. 260737	Operator Name BOPCO, L.P.		Elevation 3369'

Surface Location

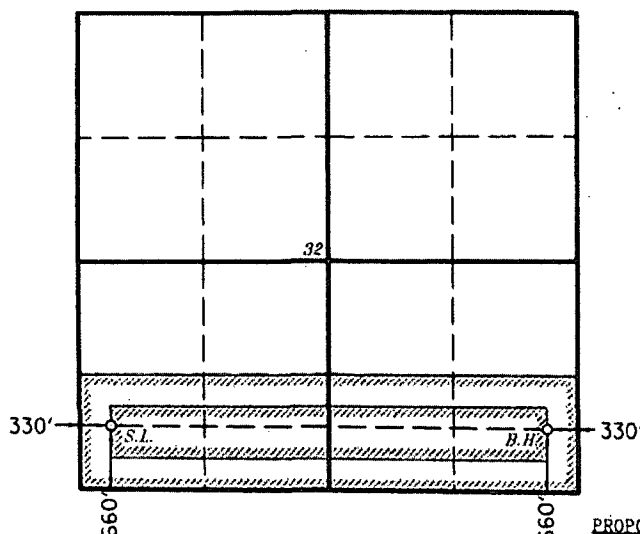
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	32	21 S	29 E		660'	SOUTH	330	WEST	EDDY

Bottom Hole 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
P	32	21 S	29 E		660'	SOUTH	330	EAST	EDDY

Dedicated Acres 160	Joint or Infill 132.72	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



SURFACE LOCATION
Lat - N 32°25'51.58"
Long - W 104°00'49.24"
NMSPC- N 520856.7
E 598625.5
(NAD-27)

SCALE 1"=3000'

PROPOSED BOTTOM HOLE LOCATION
Lat - N 32°25'51.12"
Long - W 103°59'55.36"
NMSPC- N 520825.1
E 603243.6
(NAD-27)

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 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.

Whitney McKee 6/20/14
Signature Date

Whitney McKee

Printed Name
WBMcKee@basspet.com

Email Address

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.

JUNE 02, 2014

Date Surveyed

Signature & Seal
Professional Surveyor

Tim C. Pappas
20
JUNE 14

Tim C. Pappas
Certificate No. 21209

HALFF ASSOCIATES

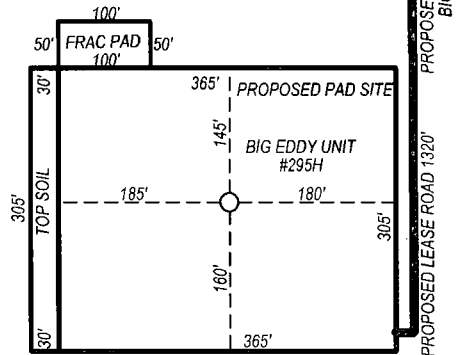
29714-W032

SECTION 32, TOWNSHIP 21 SOUTH, RANGE 29 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO

WELL PAD LAYOUT

BOPCO, L.P.
BIG EDDY UNIT #295H
ELEV. -3369'

Lat - N 32°25'51.58"
Long - W 104°00'49.24"
NMSPCE- N 520656.7
E 598625.5
(NAD-27)



NOTE: WELL IS LOCATED ABOUT 12.6 MILES NORTHEAST OF CARLSBAD, NM

0 100 200 300 400

SCALE: 1"=200'

Directions to Location:

FROM THE JUNCTION OF HOBBS HIGHWAY WITH
POTASH MINES ROAD TURN SOUTHEAST 6.0 MILES TO
JUNCTION OF POTASH MINES ROAD WITH A GRAVEL
ROAD, CONTINUE 4.8 MILES WEST ALONG GRAVEL
ROAD TO EXISTING PAD SITE, PROPOSED PAD SITE
0.3 MILES WEST FROM EXISTING PAD SITE



HALFF ASSOCIATES, INC.
ENGINEERS - SURVEYORS
1201 NORTH BOWSER ROAD
RICHARDSON, TEXAS - 75081-2275
PHONE: (214) 346-6200
FAX: (214) 739-0095



BOPCO, L.P.

REF: PLU BIG EDDY UNIT #295H / WELL PAD TOPD

THE PLU BIG EDDY UNIT #295H 660'

FROM THE SOUTH LINE AND 330' FROM THE WEST LINE OF

SECTION 32, TOWNSHIP 21 SOUTH, RANGE 29 EAST,

N.M.P.M., EDDY COUNTY, NEW MEXICO.

AVO. 29714-W032

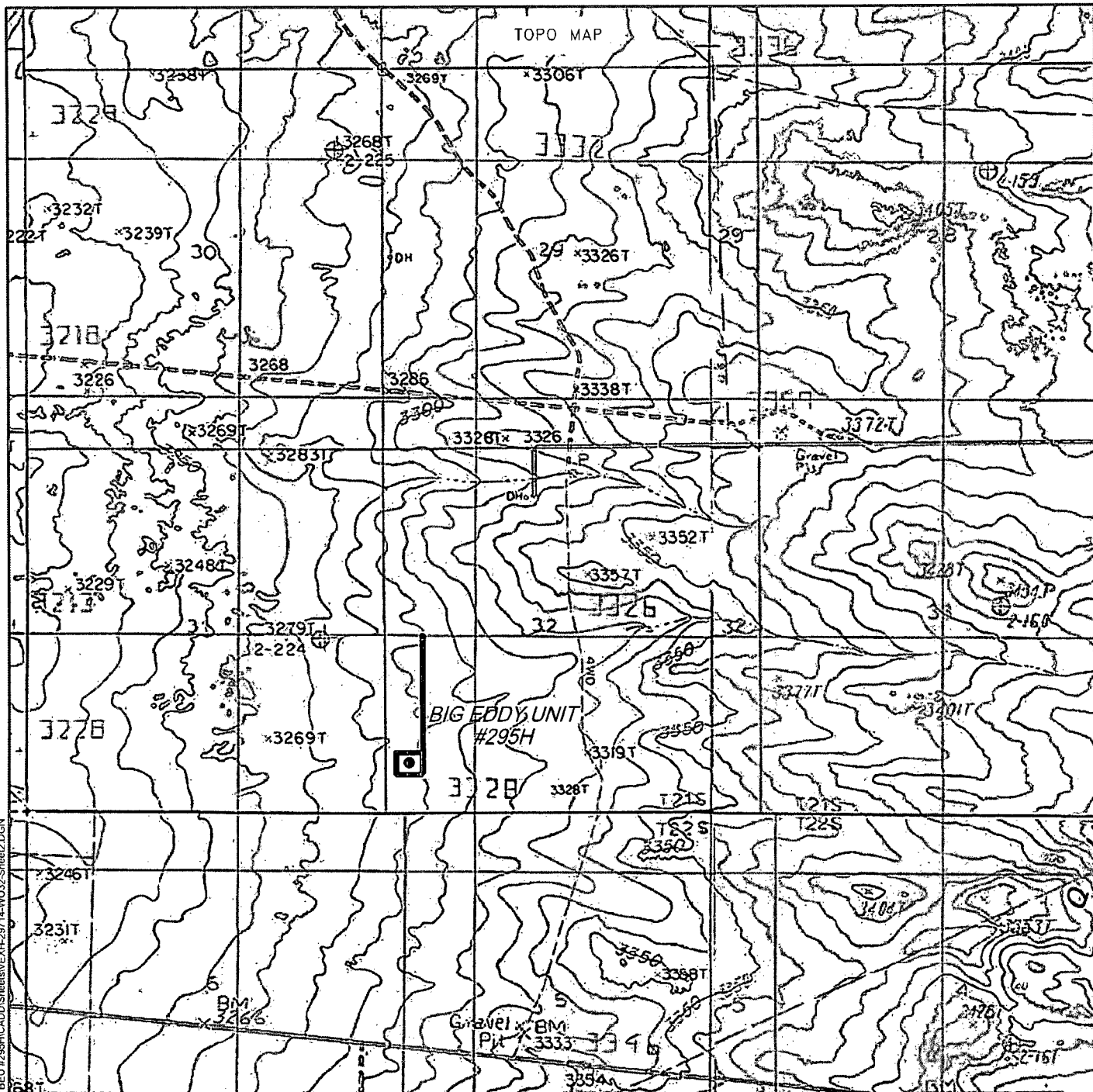
Drawn By: RG

Date: 6/5/2014

Checked By: TP

Survey Date: 06-02-2014

Sheet 1 of 7 Sheets



BIG EDDY UNIT #295H

Located 660' FSL, 330' FWL

Section 32, Township 21 South, Range 29 East
N.M.P.M., Eddy County, New Mexico.



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AVO. 29714-W032

Survey Date: 06-02-2014

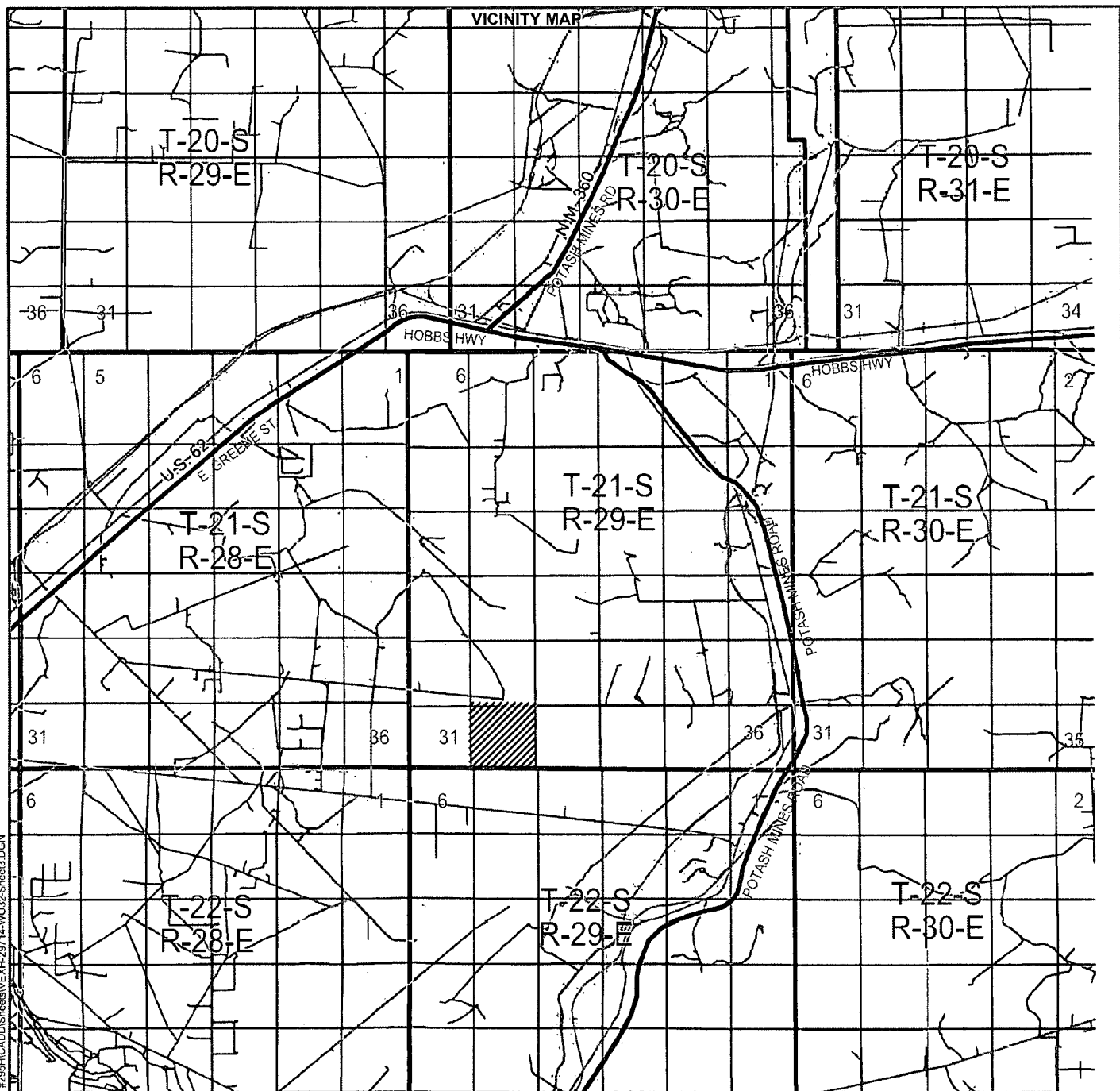
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Date: 6/5/2014



BOPCO, L.P.

Sheet 2 of 7 Sheets



BIG EDDY UNIT #295H

Located 660' FSL, 330' FWL

Section 32, Township 21 South, Range 29 East
N.M.P.M., Eddy County, New Mexico.



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PHONE: (214) 346-6200
FAX: (214) 739-0095

AVO. 29714-W032

Survey Date: 06-03-2014

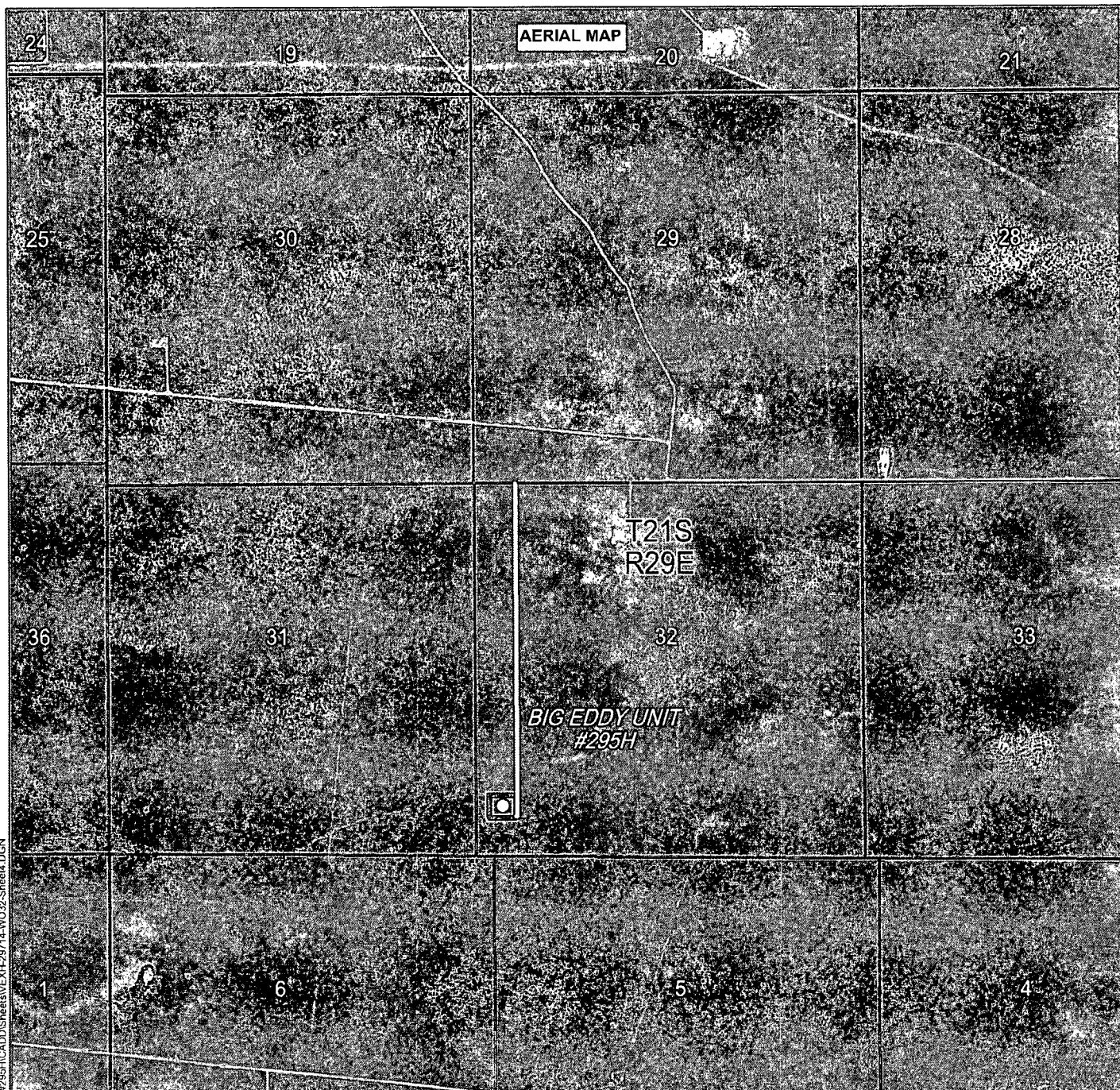
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Date: 6/5/2014



BOPCO, L.P.

Sheet 3 of 7 Sheets



BIG EDDY UNIT #295H

Located 660' FSL, 330' FWL

Section 32, Township 21 South, Range 29 East
N.M.P.M., Eddy County, New Mexico.



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AVO. 29714-W032

Survey Date: 06-03-2014

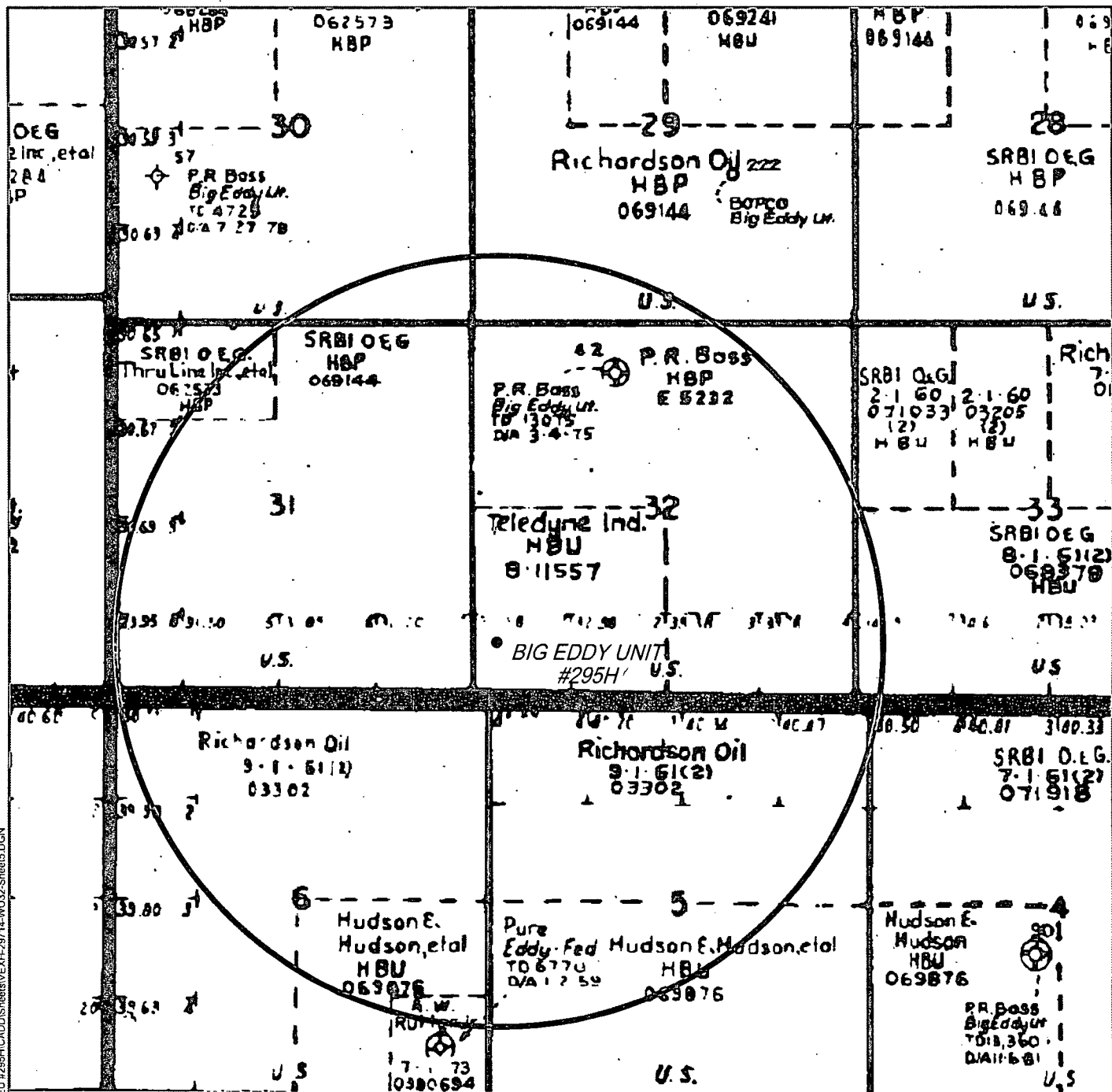
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Date: 6/5/2014



BOPCO, L.P.

Sheet 4 of 7 Sheets



PLU BIG EDDY UNIT #295H (SURFACE HOLE MAP)

Located 660' FSL, 330' FWL

Section 32, Township 21 South, Range 29 East
N.M.P.M., Eddy County, New Mexico.



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1201 NORTH BOWSER ROAD
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PHONE: (214) 346-6200
FAX: (214) 739-0095

AVO. 29714-W032

Scale: 1"=2000'

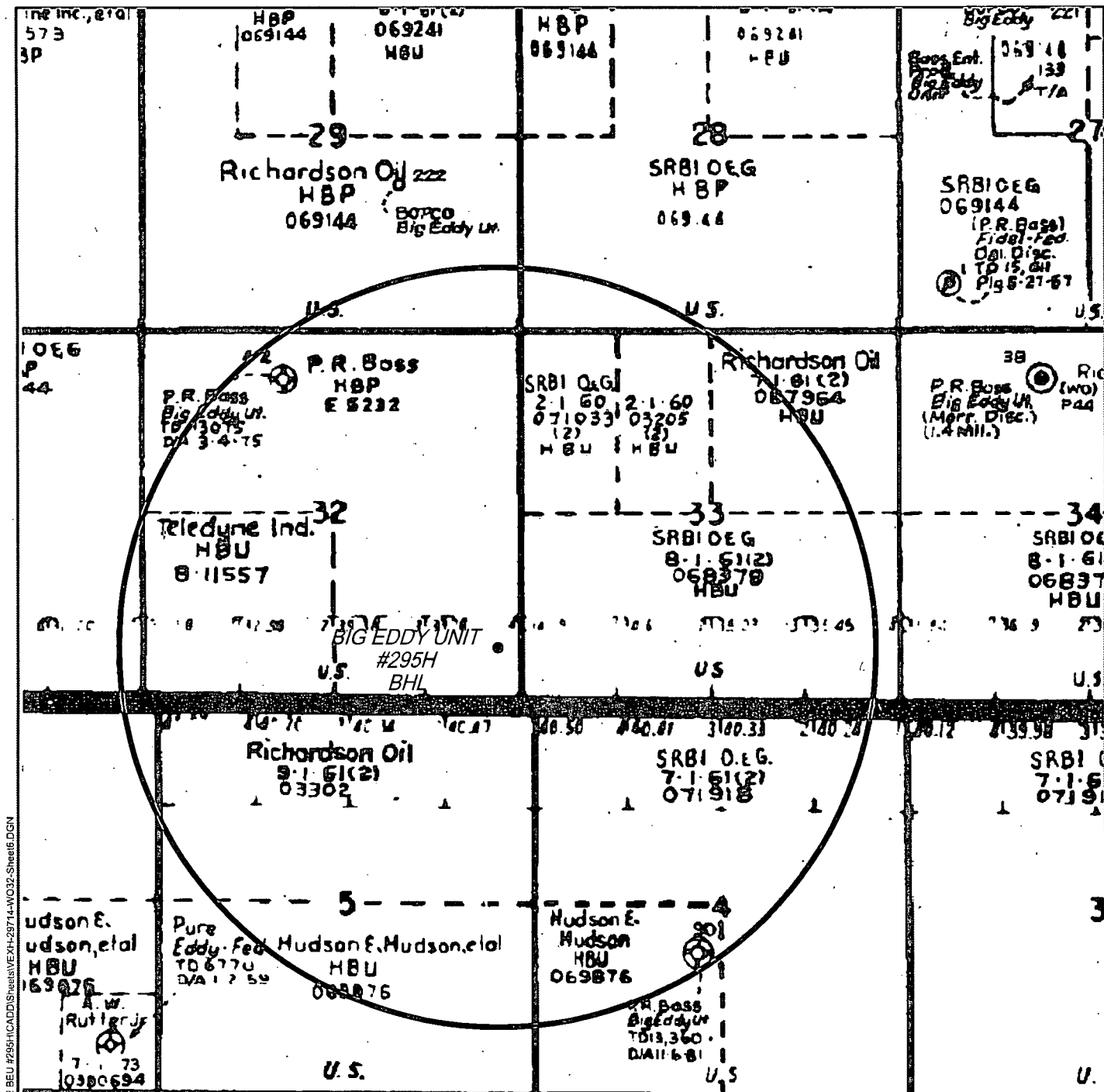
Survey Date: 06-02-2014
Date: 6/5/2014

YELLOW TINT - USA LAND
BLUE TINT - STATE LAND
NATURAL COLOR - FEE LAND



BOPCO, L.P.

Sheet 5 of 7 Sheets



PLU BIG EDDY UNIT #295H (BOTTOM HOLE MAP)

Located 660' FSL, 330' FEL

Section 32, Township 21 South, Range 29 East
N.M.P.M., Eddy County, New Mexico.



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ENGINEERS - SURVEYORS
1201 NORTH BOWSER ROAD
RICHARDSON, TEXAS - 75081-2275
PHONE: (214) 346-6200
FAX: (214) 739-0095

AVO. 29714-W032

Scale: 1"=2000'

Survey Date: 06-03-2014
Date: 6/5/2014

YELLOW TINT - USA LAND
BLUE TINT - STATE LAND
NATURAL COLOR - FEE LAND



BOPCO, L.P.

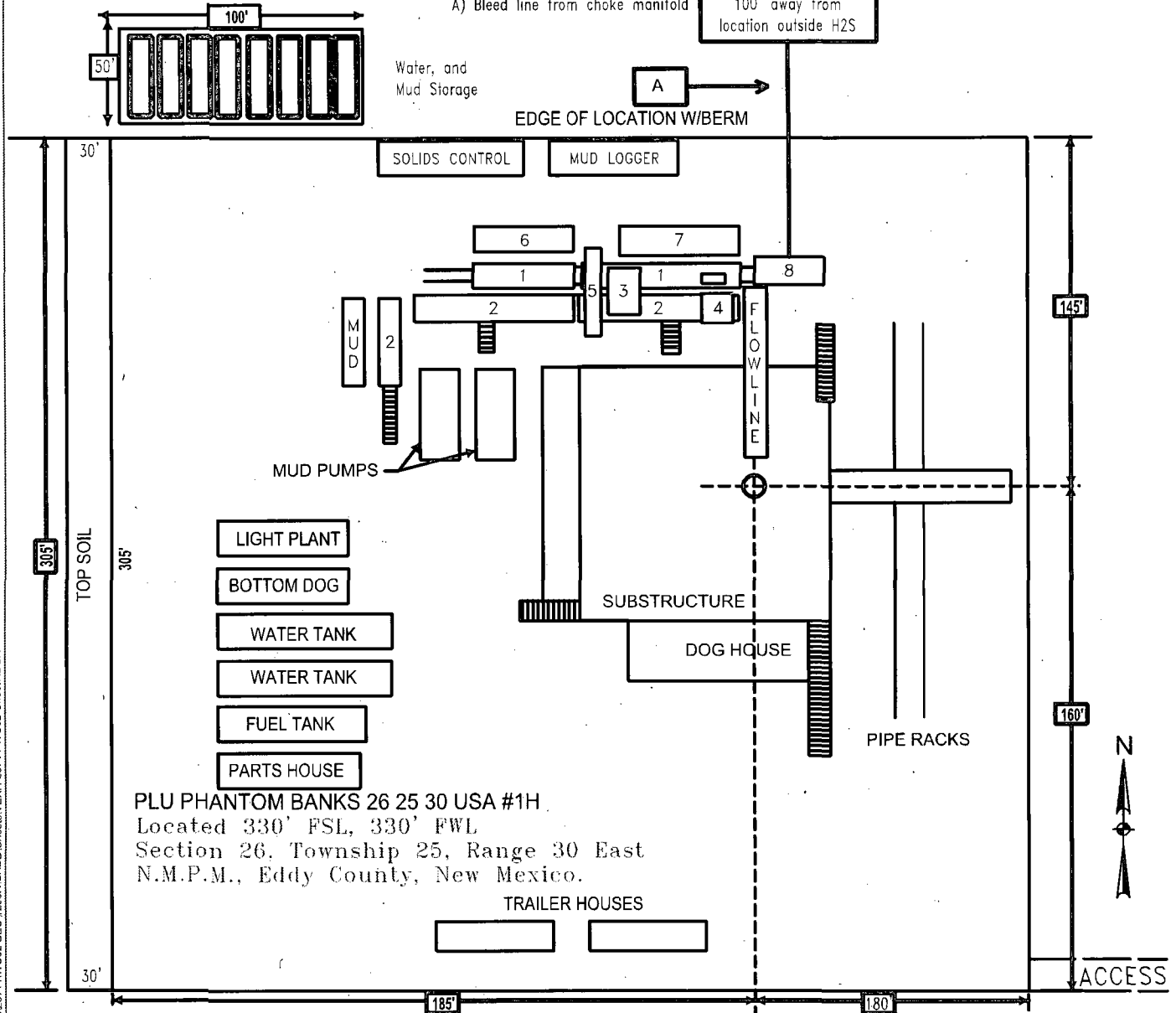
Sheet 6 of 7 Sheets

Exhibit "D"

RIG LAYOUT
RIG LAYOUT SCHEMATIC
INCLUSIVE OF CLOSED-LOOP DESIGN PLAN
Solids Control Equipment Legend

- | | |
|-----------------------------------|--------------------|
| 1) Roll Off Bin | 5) Centrifuge |
| 2) Steel Tank | 6) Dewatering Unit |
| 3) Mud Cleaner | 7) Catch Tank |
| 4) Shaker | 8) Choke Manifold |
| A) Bleed line from choke manifold | |

Flare Pit 150' away
from location in H2S
area,
100' away from
location outside H2S



PLU PHANTOM BANKS 26 25 30 USA #1H
Located 330' FSL, 330' FWL
Section 26, Township 25, Range 30 East
N.M.P.M., Eddy County, New Mexico.

6/5/2014 11:59:15 AM ar2706 HALFF I:\29000s\29714\WO32 BEU #259\H2S\Sheet\EXH-29714-WO32-Sheet7.DGN



HALFF

HALFF ASSOCIATES, INC.
ENGINEERS ~ SURVEYORS
1201 NORTH BOWSER ROAD
RICHARDSON, TEXAS ~ 75081-2275
PHONE: (214) 346-6200
FAX (214) 739-0095

AVO, 29714-W003

Survey Date: 09-28-2013

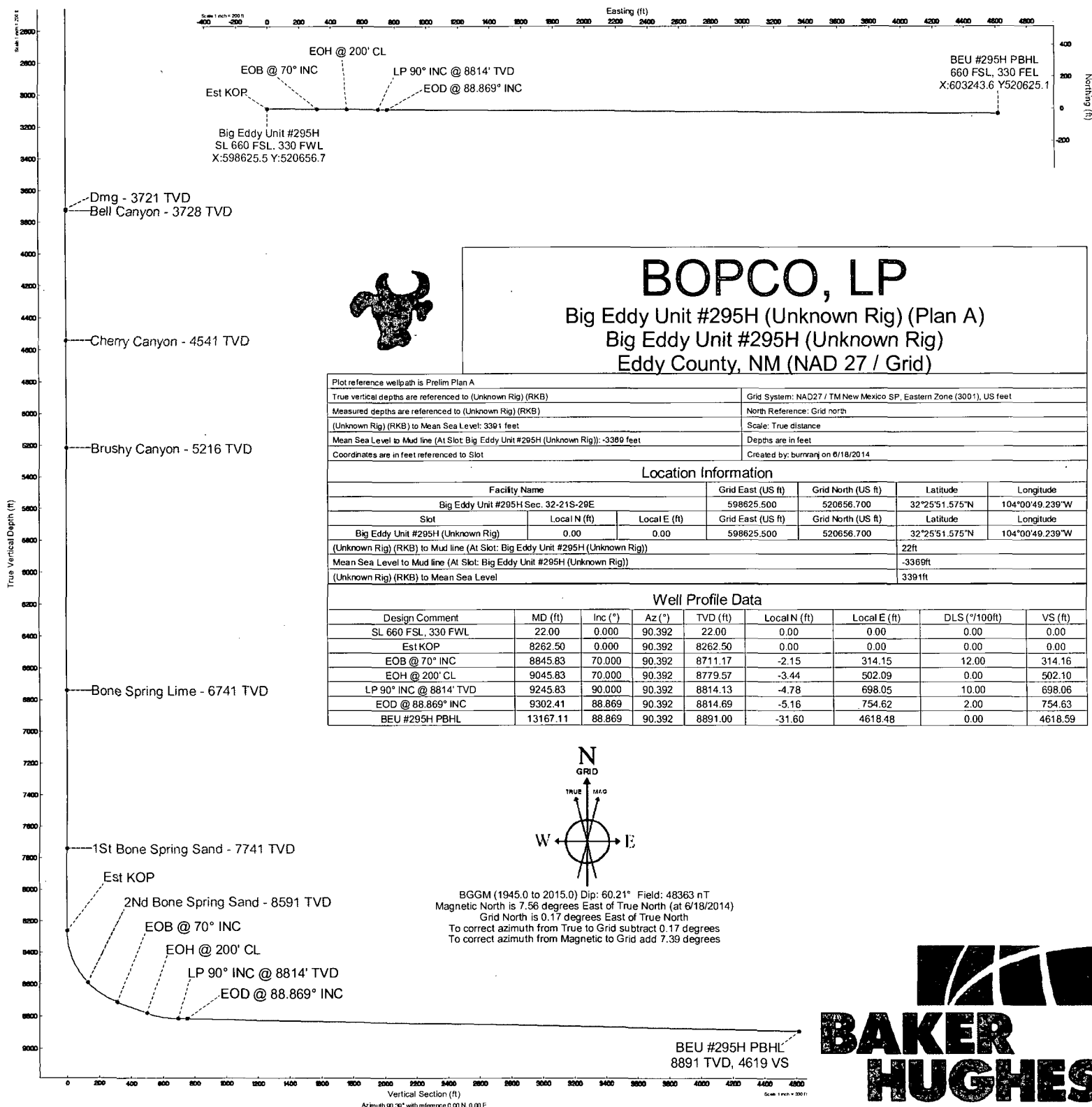
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Date: 6/5/2014



BOPCO, L.P.

Sheet 7 of 7 Sheets





Planned Wellpath Report

Prelim Plan A

Page n of nn



REFERENCE WELLPATH IDENTIFICATION			
Operator	BOPCO, LP	Slot	Big Eddy Unit #295H (Unknown Rig)
Area	Eddy County, NM	Well	SL 660 FSL, 330 FWL
Field	Eddy County, NM (NAD 27 / Grid)	Wellbore	Big Eddy Unit #295H Planned
Facility	Big Eddy Unit #295H Sec. 32-21S-29E		

REPORT SETUP INFORMATION			
Projection System	NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 4.0.0
North Reference	Grid	User	Burnranj
Scale	0.99992	Report Generated	6/18/2014 at 4:21:40 PM
Convergence at slot	0.17° East	Database/Source file	WA_MIDLAND/C:\Users\burnranj\AppData\Roaming\Well Explorer\temp\BOPCO, LP Big Eddy Unit #295H (Unknown Rig) (Plan A).xml

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	0.00	598625.50	520656.70	32°25'51.575"N	104°00'49.239"W
Facility Reference Pt			598625.50	520656.70	32°25'51.575"N	104°00'49.239"W
Field Reference Pt			510280.10	534700.83	32°28'12.000"N	104°18'00.000"W

WELLPATH DATUM			
Calculation method	Minimum curvature	(Unknown Rig) (RKB) to Facility Vertical Datum	22.00ft
Horizontal Reference Pt	Slot	(Unknown Rig) (RKB) to Mean Sea Level	3391.00ft
Vertical Reference Pt	(Unknown Rig) (RKB)	(Unknown Rig) (RKB) to Mud Line at Slot (Big Eddy Unit #295H (Unknown Rig))	22.00ft
MD Reference Pt	(Unknown Rig) (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	90.39°



Planned Wellpath Report

Prelim Plan A

Page n of nn



REFERENCE WELLPATH IDENTIFICATION			
Operator	BOPCO, LP	Slot	Big Eddy Unit #295H (Unknown Rig)
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Field	Eddy County, NM (NAD 27 / Grid)	Wellbore	Big Eddy Unit #295H Planned
Facility	Big Eddy Unit #295H Sec. 32-21S-29E		

WELLPATH DATA (67 stations) † = interpolated/extrapolated station								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	90.392	0.00	0.00	0.00	0.00	0.00	
22.00	0.000	90.392	22.00	0.00	0.00	0.00	0.00	SL 660 FSL, 330 FWL
130.00†	0.000	90.392	130.00	0.00	0.00	0.00	0.00	T/Fresh Water - 130 TVD
363.00†	0.000	90.392	363.00	0.00	0.00	0.00	0.00	Rustler - 363 TVD
641.00†	0.000	90.392	641.00	0.00	0.00	0.00	0.00	Salado - 641 TVD
3721.00†	0.000	90.392	3721.00	0.00	0.00	0.00	0.00	Dmg - 3721 TVD
3728.00†	0.000	90.392	3728.00	0.00	0.00	0.00	0.00	Bell Canyon - 3728 TVD
4541.00†	0.000	90.392	4541.00	0.00	0.00	0.00	0.00	Cherry Canyon - 4541 TVD
5216.00†	0.000	90.392	5216.00	0.00	0.00	0.00	0.00	Brushy Canyon - 5216 TVD
6741.00†	0.000	90.392	6741.00	0.00	0.00	0.00	0.00	Bone Spring Line - 6741 TVD
7741.00†	0.000	90.392	7741.00	0.00	0.00	0.00	0.00	1st Bone Spring Sand - 7741 TVD
8262.50	0.000	90.392	8262.50	0.00	0.00	0.00	0.00	Est KOP
8300.00†	4.500	90.392	8299.96	1.47	-0.01	1.47	12.00	
8400.00†	16.500	90.392	8398.11	19.66	-0.13	19.66	12.00	
8500.00†	28.500	90.392	8490.33	57.86	-0.40	57.86	12.00	
8600.00†	40.500	90.392	8572.59	114.40	-0.78	114.40	12.00	
8624.77†	43.473	90.392	8591.00	130.97	-0.90	130.96	12.00	2nd Bone Spring Sand - 8591 TVD
8700.00†	52.500	90.392	8641.30	186.80	-1.28	186.80	12.00	
8800.00†	64.500	90.392	8693.45	271.91	-1.86	271.90	12.00	
8845.83	70.000	90.392	8711.17	314.16	-2.15	314.15	12.00	EOB @ 70° INC
8900.00†	70.000	90.392	8729.70	365.06	-2.50	365.05	0.00	
9000.00†	70.000	90.392	8763.90	459.03	-3.14	459.02	0.00	
9045.83	70.000	90.392	8779.57	502.10	-3.44	502.09	0.00	EOH @ 200' CL
9100.00†	75.417	90.392	8795.67	553.80	-3.79	553.79	10.00	
9200.00†	85.417	90.392	8812.30	652.28	-4.46	652.26	10.00	
9245.83	90.000	90.392	8814.13	698.06	-4.78	698.05	10.00	LP 90° INC @ 8814' TVD
9300.00†	88.917	90.392	8814.64	752.23	-5.15	752.21	2.00	
9302.41	88.869	90.392	8814.69	754.63	-5.16	754.62	2.00	EOD @ 88.869° INC
9400.00†	88.869	90.392	8816.61	852.21	-5.83	852.19	0.00	
9500.00†	88.869	90.392	8818.59	952.19	-6.52	952.17	0.00	
9600.00†	88.869	90.392	8820.56	1052.17	-7.20	1052.14	0.00	
9700.00†	88.869	90.392	8822.54	1152.15	-7.88	1152.12	0.00	
9800.00†	88.869	90.392	8824.51	1252.13	-8.57	1252.10	0.00	
9900.00†	88.869	90.392	8826.49	1352.11	-9.25	1352.08	0.00	
10000.00†	88.869	90.392	8828.46	1452.09	-9.94	1452.06	0.00	
10100.00†	88.869	90.392	8830.44	1552.07	-10.62	1552.04	0.00	
10200.00†	88.869	90.392	8832.41	1652.05	-11.30	1652.01	0.00	
10300.00†	88.869	90.392	8834.39	1752.03	-11.99	1751.99	0.00	
10400.00†	88.869	90.392	8836.36	1852.01	-12.67	1851.97	0.00	
10500.00†	88.869	90.392	8838.33	1951.99	-13.36	1951.95	0.00	
10600.00†	88.869	90.392	8840.31	2051.97	-14.04	2051.93	0.00	
10700.00†	88.869	90.392	8842.28	2151.95	-14.72	2151.90	0.00	
10800.00†	88.869	90.392	8844.26	2251.93	-15.41	2251.88	0.00	
10900.00†	88.869	90.392	8846.23	2351.92	-16.09	2351.86	0.00	
11000.00†	88.869	90.392	8848.21	2451.90	-16.78	2451.84	0.00	



Planned Wellpath Report

Prelim Plan A

Page n of nn



REFERENCE WELLPATH IDENTIFICATION

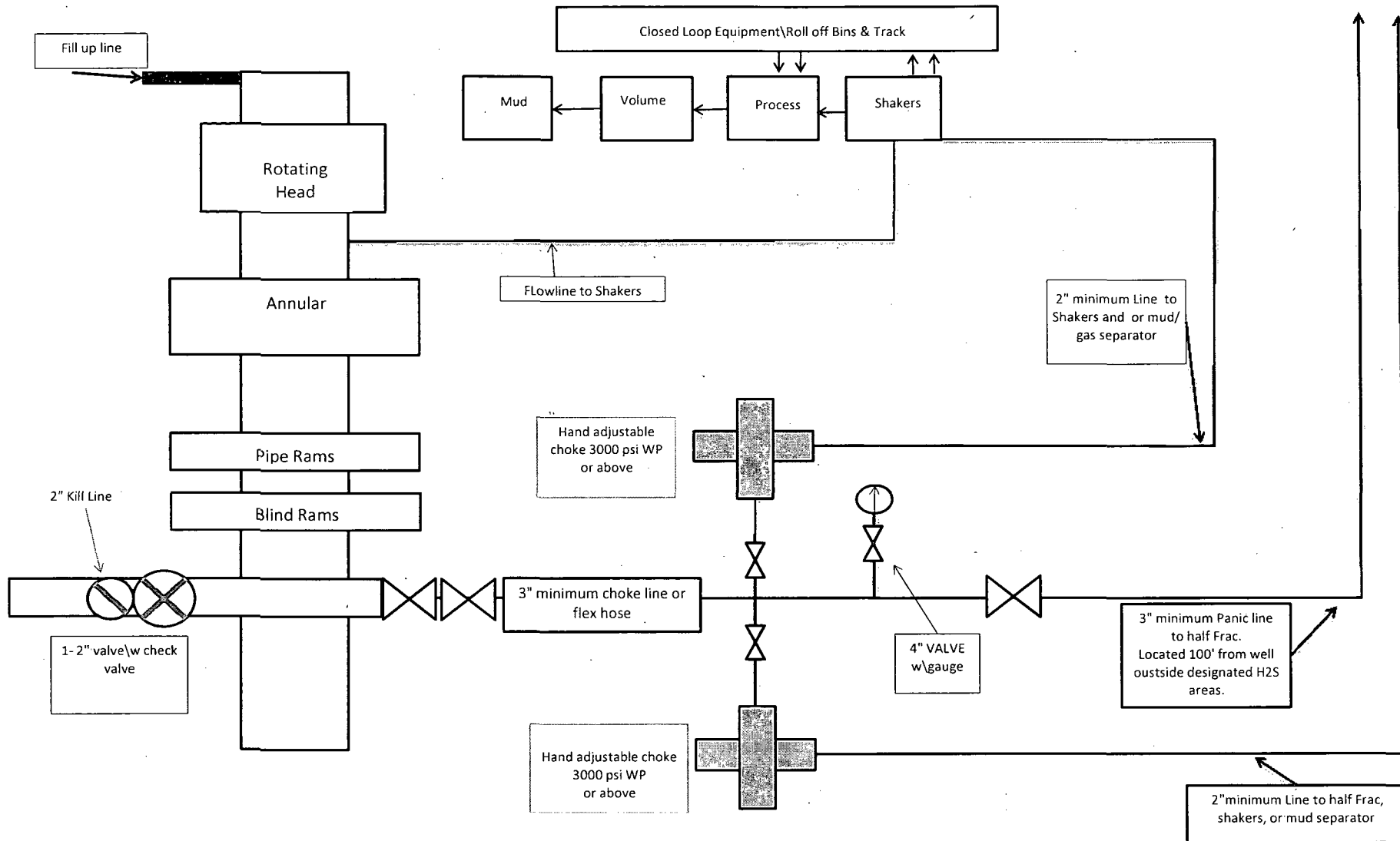
Operator	BOPCO, LP	Slot	Big Eddy Unit #295H (Unknown Rig)
Area	Eddy County, NM	Well	SL 660 FSL, 330 FWL
Field	Eddy County, NM (NAD 27 / Grid)	Wellbore	Big Eddy Unit #295H Planned
Facility	Big Eddy Unit #295H Sec. 32-21S-29E		

WELLPATH DATA (67 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
11100.00†	88.869	90.392	8850.18	2551.88	-17.46	2551.82	0.00	
11200.00†	88.869	90.392	8852.16	2651.86	-18.15	2651.79	0.00	
11300.00†	88.869	90.392	8854.13	2751.84	-18.83	2751.77	0.00	
11400.00†	88.869	90.392	8856.11	2851.82	-19.51	2851.75	0.00	
11500.00†	88.869	90.392	8858.08	2951.80	-20.20	2951.73	0.00	
11600.00†	88.869	90.392	8860.06	3051.78	-20.88	3051.71	0.00	
11700.00†	88.869	90.392	8862.03	3151.76	-21.57	3151.69	0.00	
11800.00†	88.869	90.392	8864.00	3251.74	-22.25	3251.66	0.00	
11900.00†	88.869	90.392	8865.98	3351.72	-22.93	3351.64	0.00	
12000.00†	88.869	90.392	8867.95	3451.70	-23.62	3451.62	0.00	
12100.00†	88.869	90.392	8869.93	3551.68	-24.30	3551.60	0.00	
12200.00†	88.869	90.392	8871.90	3651.66	-24.99	3651.58	0.00	
12300.00†	88.869	90.392	8873.88	3751.64	-25.67	3751.55	0.00	
12400.00†	88.869	90.392	8875.85	3851.62	-26.35	3851.53	0.00	
12500.00†	88.869	90.392	8877.83	3951.60	-27.04	3951.51	0.00	
12600.00†	88.869	90.392	8879.80	4051.58	-27.72	4051.49	0.00	
12700.00†	88.869	90.392	8881.78	4151.56	-28.41	4151.47	0.00	
12800.00†	88.869	90.392	8883.75	4251.54	-29.09	4251.45	0.00	
12900.00†	88.869	90.392	8885.73	4351.53	-29.78	4351.42	0.00	
13000.00†	88.869	90.392	8887.70	4451.51	-30.46	4451.40	0.00	
13100.00†	88.869	90.392	8889.67	4551.49	-31.14	4551.38	0.00	
13167.11	88.869	90.392	8891.00	4618.59	-31.60	4618.48	0.00	BEU #295H PBHL

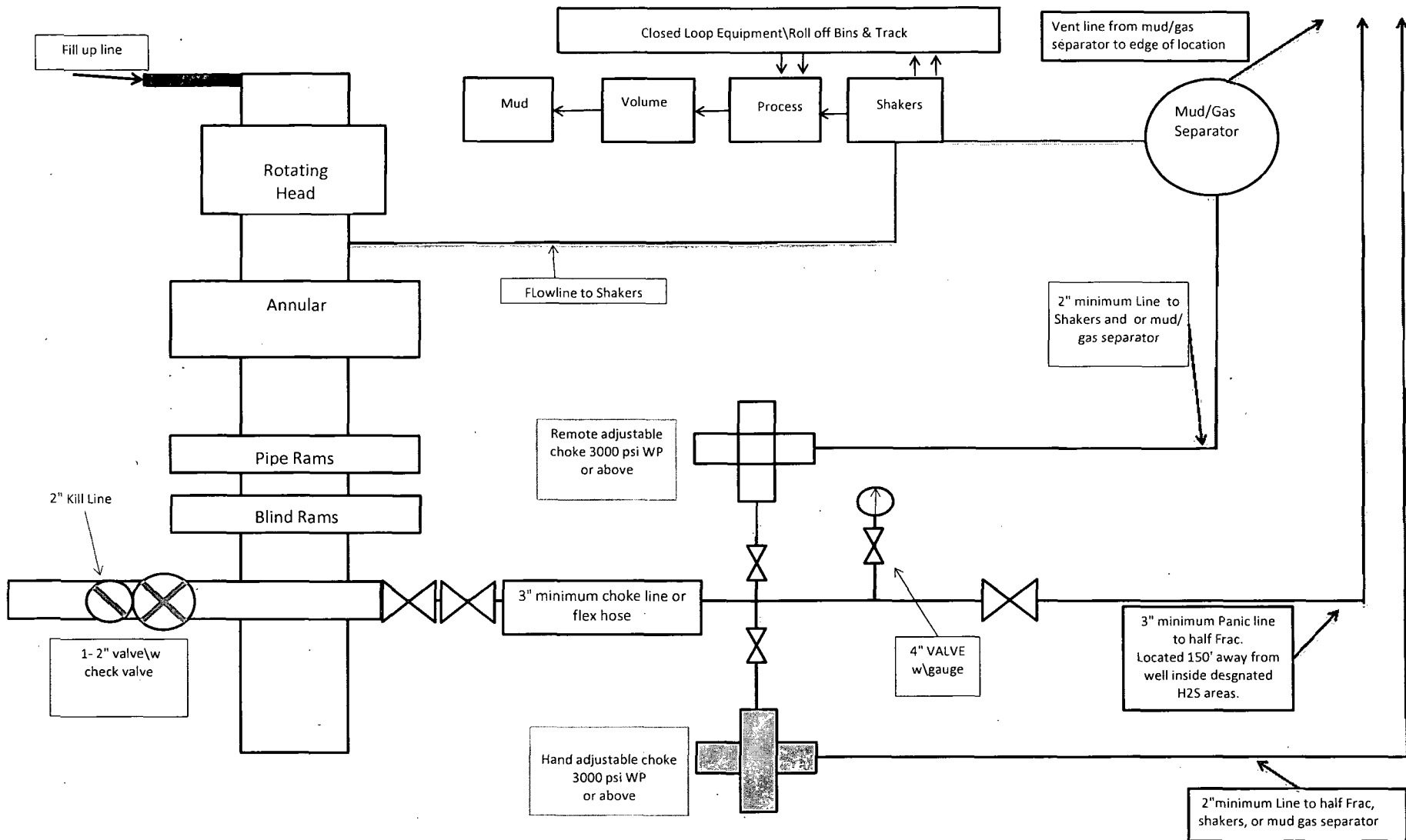
SURVEY PROGRAM - Ref Wellbore: Big Eddy Unit #295H Planned Ref Wellpath: Prelim Plan A

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
22.00	13167.11	NavTrak (Standard)		Big Eddy Unit #295H Planned



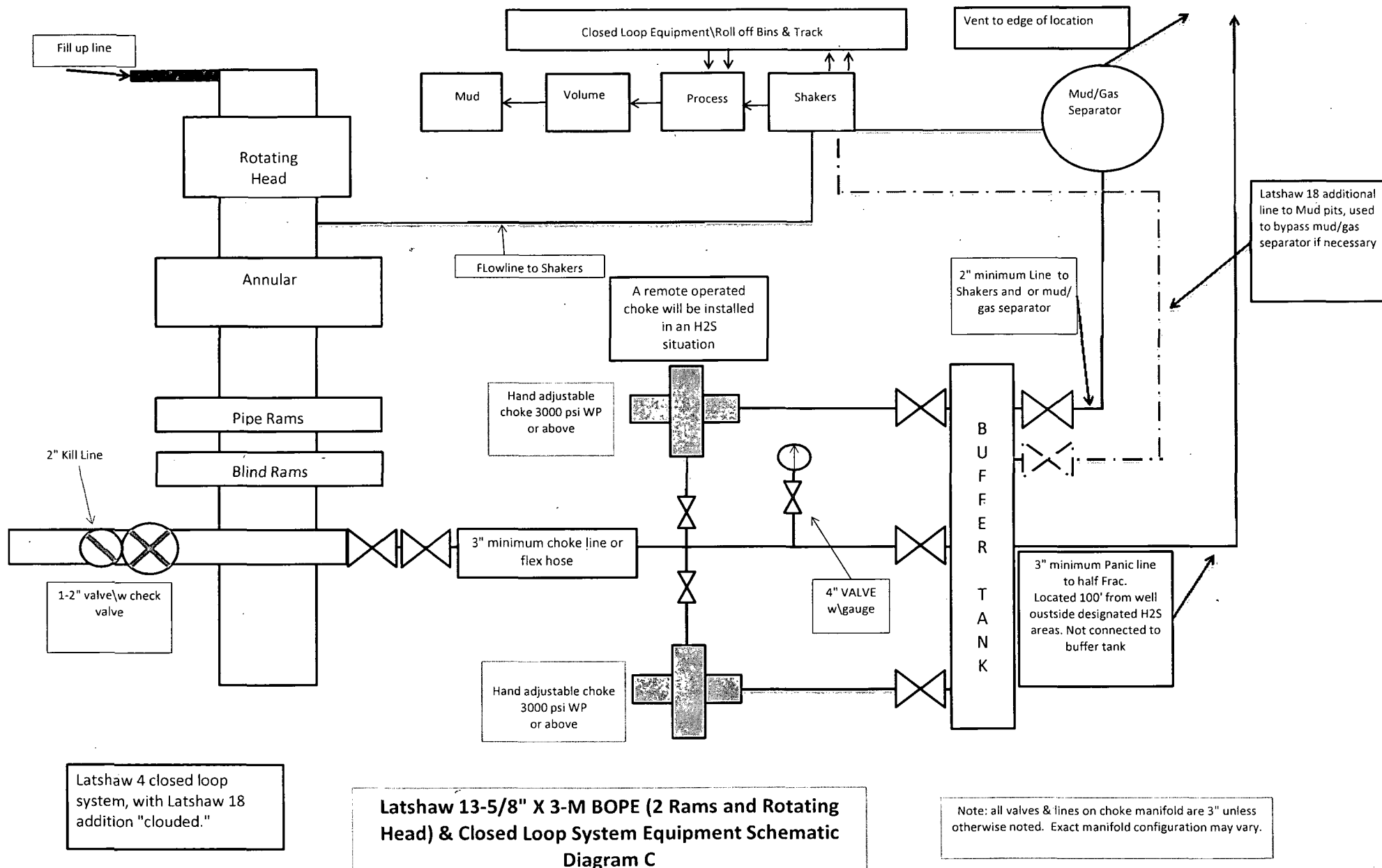
13-5/8" X 3-M BOPE (2 Rams and Rotating Head) & Closed Loop System Equipment Schematic Diagram A

Note: all valves & lines on choke manifold are 3" unless otherwise noted. Exact manifold configuration may vary.



**13-5/8" X 3-M BOPE (2 Rams and Rotating Head) &
Closed Loop System Equipment Schematic
H2S contingency
Diagram B**

Note: all valves & lines on choke manifold are 3" unless otherwise noted. Exact manifold configuration may vary.



Note: Dimensional information reflected on this drawing are estimated measurements only.

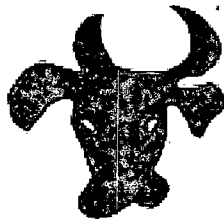
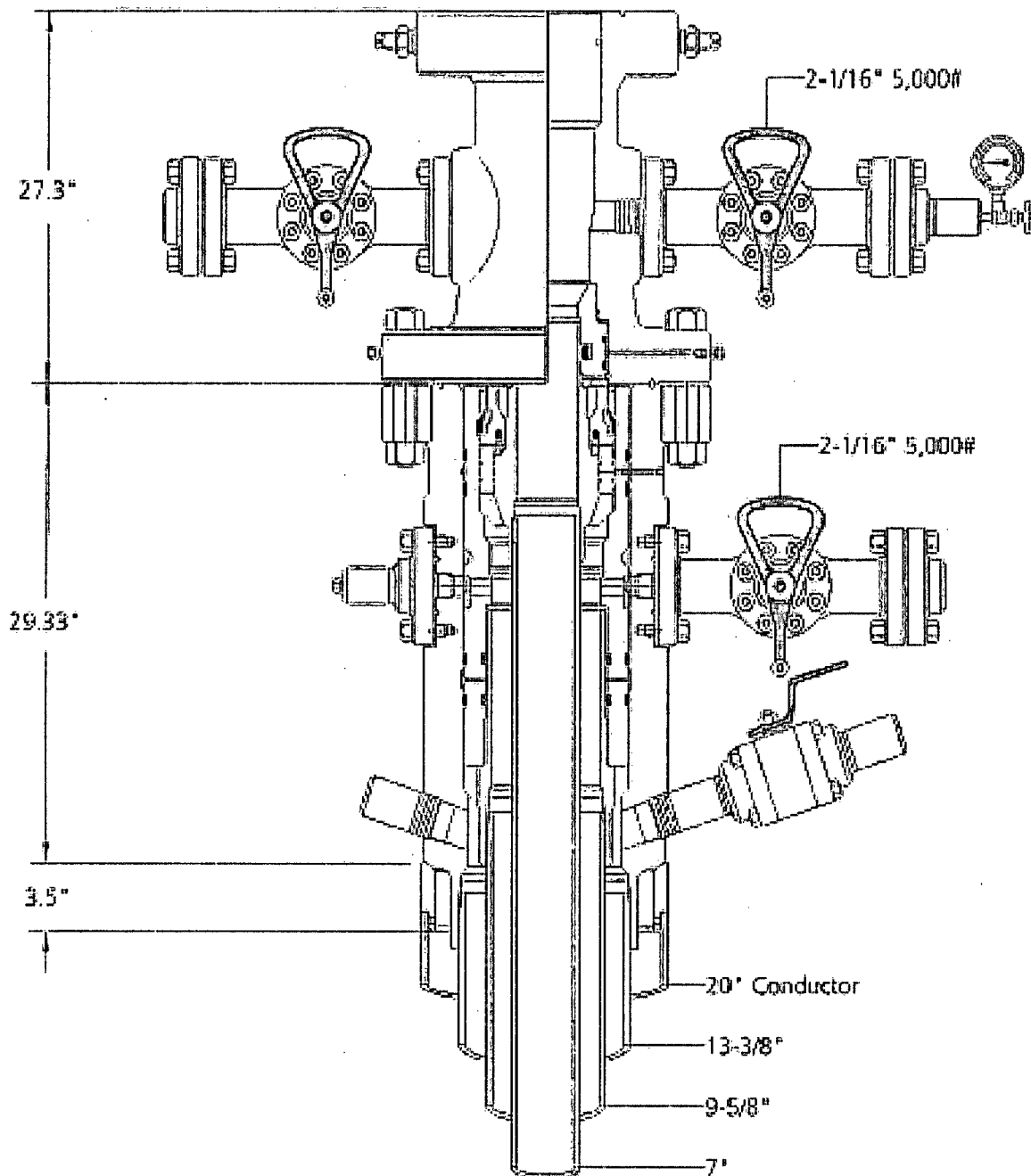


Diagram Z



BOPCO
Project: South East New Mexico

CAMERON



Midwest Hose
& Specialty, Inc.

Internal Hydrostatic Test Graph

April 4, 2012

Customer: Latshaw

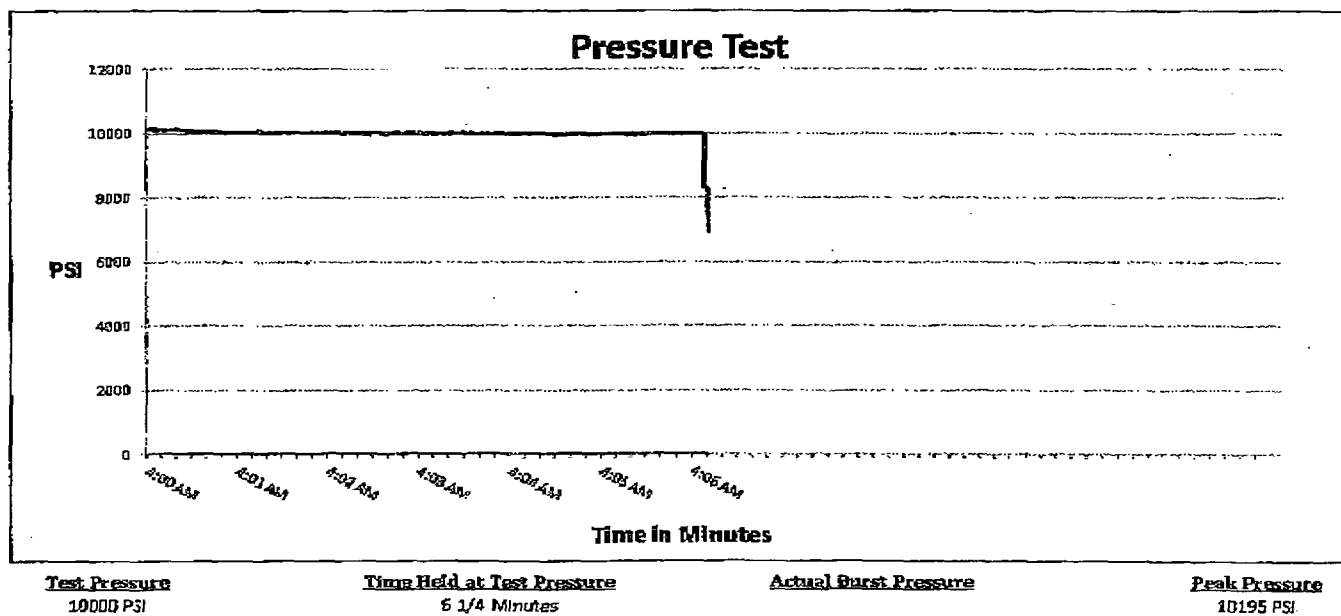
Pick Ticket #: 81610

Hose Specifications

<u>Hose Type</u>	<u>Length</u>
D	30'
<u>I.D.</u>	<u>O.D.</u>
3"	4 15/32
<u>Working Pressure</u>	<u>Burst Pressure</u>
5000 PSI	Standard Safety Multiplier Applies

Verification

<u>Type of Fitting</u>	<u>Coupling Method</u>
41/16 SK	Swage
<u>Die Size</u>	<u>Final O.D.</u>
5.12"	5.16"
<u>Hose Serial #</u>	<u>Hose Assembly Serial #</u>
6884	81610



Comments: Hose assembly pressure tested with water at ambient temperature.

Tested By: Donnie Mclemore

Approved By: Bobby Fink

Donnie Mclemore

Bobby Fink

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: CHOKER LINE		Length: 30'	
I.D. 3" INCHES		O.D. 6" INCHES	
WORKING PRESSURE 5,000 PSI	TEST PRESSURE 10,000 PSI	BURST PRESSURE PSI	
COUPLINGS			
Type of End Fitting 4 1/16 5K FLANGE			
Type of Coupling: SWEDGED		MANUFACTURED BY MIDWEST HOSE & SPECIALTY	
PROCEDURE			
<i>Hose assembly pressure tested with water at ambient temperature.</i>			
TIME HELD AT TEST PRESSURE 1 MIN.		ACTUAL BURST PRESSURE: 0 PSI	
COMMENTS: SO#81610 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: 3/2/2011	Tested By: BOBBY FINK		Approved: MENDI JACKSON

Permit Conditions of Approval

API: 30-015-42462

OCD Reviewer	Condition
CSHAPARD	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string