

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

Tony Delfin
Acting Cabinet Secretary

David R. Catanach, Division Director
Oil Conservation Division



New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.7.11 and are in addition to the actions approved by BLM on the following 3160-3 APD form.

Operator Signature Date: 10-20-16

Well information:

Operator WPX, Well Name and Number N Escavada Unit # 315H

API# 30043-21888, Section 10, Township 22 N/S, Range 7 E/W

Conditions of Approval: (See the below checked and handwritten conditions)

- ☒ Notify Aztec OCD 24hrs prior to casing & cement.
- ☒ Hold C-104 for directional survey & "As Drilled" Plat
- ☒ Hold C-104 for NSL NSP, DHC
- ☐ Spacing rule violation. Operator must follow up with change of status notification on other well to be shut in or abandoned
- ☐ Regarding the use of a pit, closed loop system or below grade tank, the operator must comply with the following as applicable:
 - A pit requires a complete C-144 be submitted and approved prior to the construction or use of the pit, pursuant to 19.15.17.8.A
 - A closed loop system requires notification prior to use, pursuant to 19.15.17.9.A
 - A below grade tank requires a registration be filed prior to the construction or use of the below grade tank, pursuant to 19.15.17.8.C
- ☐ 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
- ☐ Submit Gas Capture Plan form prior to spudding or initiating recompletion operations
- ☒ Regarding Hydraulic Fracturing, review EPA Underground Injection Control Guidance 84
- ☒ Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.
- ☒ Well-bore communication is regulated under 19.15.29 NMAC. This requires well-bore Communication to be reported in accordance with 19.15.29.8.

Charles Heri
NMOCD Approved by Signature

10-12-2016
Date

RECEIVED

JUN 21 2016

Form 3160-3
(March 2012)

Farmington Field Office
UNITED STATES Bureau of Land Management
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0137
Expires October 31, 2014

5. Lease Serial No.
N00C14205594

6. If Indian, Allottee or Tribe Name
EASTERN NAVAJO

7. If Unit or CA Agreement, Name and No.
/A/N ESCAVADA UNIT / NMNM135217X

8. Lease Name and Well No.
N ESCAVADA UT / 315H

9. API Well No.

30-043-21888

10. Field and Pool, or Exploratory
BASIN-MANCOS / MANCOS

11. Sec., T. R. M. or Blk. and Survey or Area
SEC 10 / T22N / R7W / NMP

12. County or Parish
SANDOVAL

13. State
NM

1a. Type of work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone

2. Name of Operator
WPX ENERGY LLC

3a. Address
720 S MAIN AZTEC NM 87410

3b. Phone No. (include area code)
(505)333-1822

4. Location of Well (Report location clearly and in accordance with any State requirements.)*

At surface NWSW / 1583 FSL / 250 FWL / LAT 36.151177 / LONG -107.570449

At proposed prod. zone NWSW / 2306 FSL / 536 FWL / LAT 36.167703 / LONG -107.587122

14. Distance in miles and direction from nearest town or post office*
53.6 miles

15. Distance from proposed*
location to nearest 250 feet
property or lease line, ft.
(Also to nearest drig. unit line, if any)

16. No. of acres in lease
160

17. Spacing Unit dedicated to this well
20

18. Distance from proposed location*
to nearest well, drilling, completed, 29.4 feet
applied for, on this lease, ft.

19. Proposed Depth
5500 feet / 10000 feet

20. BLM/BIA Bond No. on file
IND: B001576

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
6860 feet

22. Approximate date work will start*
08/01/2016

23. Estimated duration
48 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature
(Electronic Submission)

Name (Printed/Typed)
Marie Jaramillo / Ph: (505)533-1808

Date
06/20/2016

Title
Permitting Tech III

Approved by (Signature)

Chip Harraden

Name (Printed/Typed)

Chip Harraden

Date
9/30/16

Title
acting AFM-Minerals

Office
FARMINGTON

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

*(Instructions on page 2)

DRILLING OPERATIONS AUTHORIZED
ARE SUBJECT TO COMPLIANCE WITH
ATTACHED "GENERAL REQUIREMENTS"

BLM'S APPROVAL OR ACCEPTANCE OF THIS
ACTION DOES NOT RELIEVE THE LESSEE AND
OPERATOR FROM OBTAINING ANY OTHER
AUTHORIZATION REQUIRED FOR OPERATIONS
ON FEDERAL AND INDIAN LANDS

This action is subject to
technical and procedural review
pursuant to 43 CFR 3165.3 and
appeal pursuant to 43 CFR 3165.4

NMOCDAV
10-18-16

District I
1625 N. French Drive, Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S. First Street, 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 Drive, Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 1, 2011

Submit one copy to
Appropriate District Office

OIL CONSERVATION DIVISION
1220 South St. Francis Drive
Santa Fe, NM 87505

☐ AMENDED REPORT

OIL CONS. DIV DIST. 3

OCT 07 2016

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-043-21888	*Pool Code 98172	*Pool Name Escavada Nj Mancos Oil
*Property Code 3160006	*Property Name N ESCAVADA UT	*Well Number 315H
*OGRID No. 120782	*Operator Name WPX ENERGY PRODUCTION, LLC	*Elevation 6860

10 Surface Location

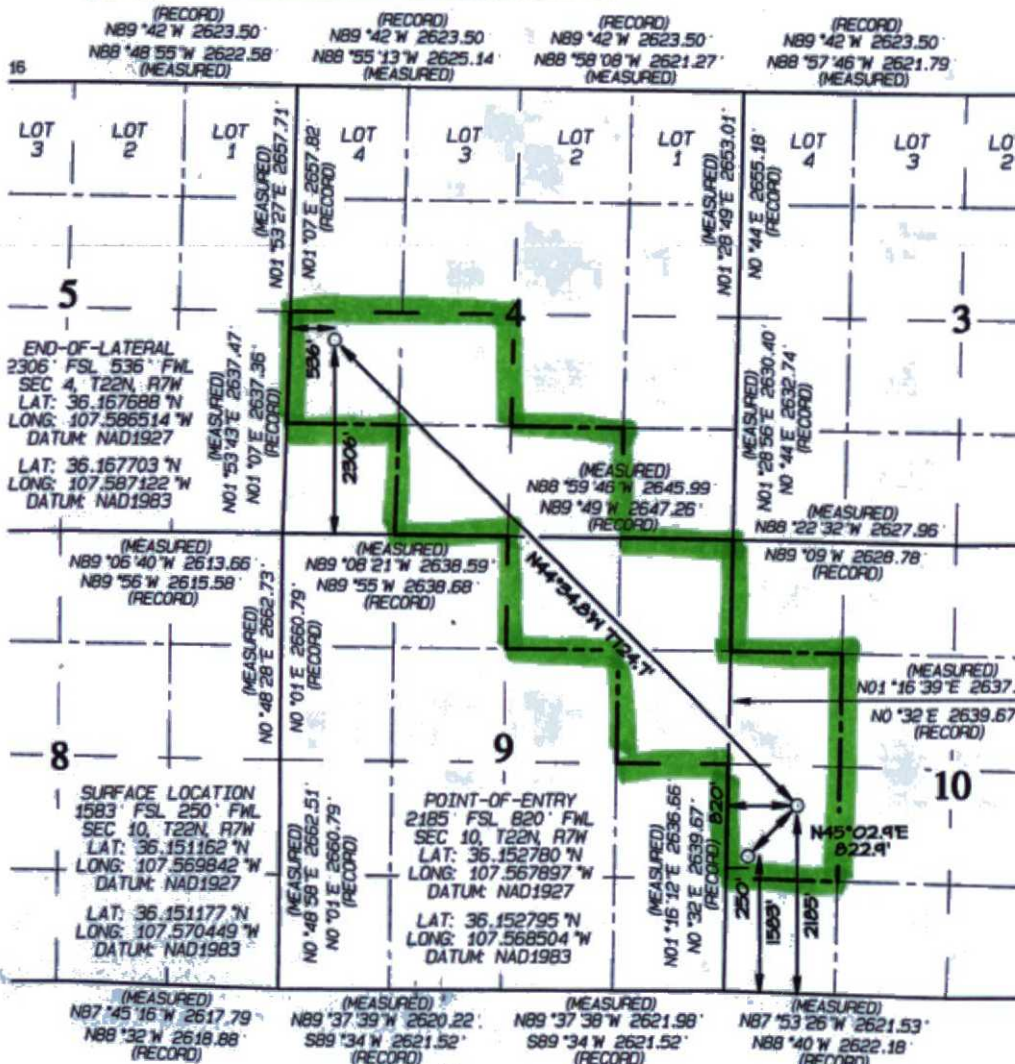
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	10	22N	7W		1583	SOUTH	250	WEST	SANDOVAL

11 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
L	4	22N	7W		2306	SOUTH	536	WEST	SANDOVAL

*Dedicated Acres 360.0	N/2 SW/4, SE/4 SW/4 SW/4 SE/4 - Section 4 N/2 NE/4, SE/4 NE/4 - Section 9 SW/4 NW/4, NW/4 SW/4 - Section 10	*Joint or Infill	*Consolidation Code	*Order No. R-14080 3040+ Acres
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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



17 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 therefore entered by the division.

Signature: *Marie E. Jaramillo*
Date: *10/6/16*
Printed Name: **Marie E. Jaramillo**
E-mail Address: **marie.jaramillo@wpxenergy.com**

18 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.

Date Revised: **OCTOBER 5, 2016**
Date of Survey: **JULY 10, 2015**

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number: **15269**



WPX Energy

Operations Plan

(Note: This procedure will be adjusted onsite based upon actual conditions)

Date: June 16, 2016
Well Name: N Escavada UT #315H
SH Location: NWSW Sec 10-22N-07W
BH Location: NWSW Sec 04-22N-07W

Field: Lybrook Gallup
Surface: IA
Elevation: 6860' GR
Minerals: IA

Measured Depth: 13,238.55'

I. GEOLOGY

Surface formation - NACIMIENTO

A. FORMATION TOPS: (KB)

NAME	MD	TVD	NAME	MD	TVD
OJO ALAMO	888	887	POINT LOOKOUT	3842	3721
KIRTLAND	1065	1061	MANCOS	4030	3901
PICTURED CLIFFS	1379	1365	GALLUP	4338	4196
LEWIS	1504	1485	KICKOFF POINT	4,317.06	4,175.52
CHACRA	1744	1714	TOP TARGET	5289	4928
CLIFF HOUSE	2930	2849	LANDING POINT	5,515.04	4,967.00
MENEFEE	2982	2899	BASE TARGET	5,515.04	4,967.00
			TD	13,238.55	4,938.00

B. MUD LOGGING PROGRAM:

Mudlogger on location from surface csg to TD.

C. LOGGING PROGRAM:

LWD GR from surface casing to TD.

D. NATURAL GAUGES:

Gauge any noticeable increases in gas flow. Record all gauges in Tour book and on morning reports.

II. DRILLING

A. MUD PROGRAM:

LSND mud (WBM) will be used to drill the 12-1/4" Surface hole, the 8 3/4" Directional Vertical hole, and the curve portion of the wellbore. A LSND (WBM) or (OBM) will be used to drill the lateral portion of well. Treat for lost circulation as necessary. Obtain 100% returns prior to cementing. Notify Engineering of any mud losses.

B. BOP TESTING:

While drill pipe is in use, the pipe rams and the blind rams will be function tested once each trip. The BOPE will be tested to 2,000 psi (High) for 10 minutes and the annular tested to 1,500 psi for 10 minutes. Pressure test surface casing to 1,500 psi for 30 minutes and intermediate casing to 1,500 psi for 30 minutes. Utilize a BOPE Testing Unit with a recording chart and appropriate test plug for testing. All tests and inspections will be recorded in the tour book as to time and results.

III. MATERIALS

A. CASING PROGRAM:

CASING TYPE	OH SIZE (IN)	DEPTH (MD)	CSG SIZE	WEIGHT	GRADE	CONN
SURFACE	12.25"	320.00'	9.625"	36 LBS	J-55 or equiv	STC
INTERMEDIATE	8.75"	5,515.04'	7"	23 LBS	J-55 or equiv	LTC
PRODUCTION	6.125"	5365.04' - 13,238.55'	4.5"	11.6 LBS	P-110 or equiv	LTC
TIE BACK	6.125"	Surf. - 5365.04'	4.5"	11.6 LBS	P-110 or equiv	LTC

B. FLOAT EQUIPMENT:

1. SURFACE CASING:

9-5/8" notched regular pattern guide shoe. Run (1) standard centralizer on each of the bottom (4) joints of Surface Casing.

2. INTERMEDIATE CASING:

7" cement nose guide shoe with a self-fill insert float. Place float collar one joint above the shoe. Install (1) centralizer on each of the bottom (3) joints and one standard centralizer every (3) joints to 2,500 ft. Run (1) centralizer at 2,500 ft., 2,300ft., 2,000ft., 1,500 ft., and 1,000 ft. If losses are encountered during the drilling of the intermediate section a DV tool will be utilized and a 2 stage cement job may be planned to ensure cement circ back to surface. The DV tool will be placed 100' above the top of the Chacra formation. If cement is circulated back to surface on the first stage, a cancellation device will be dropped to shift the dv tool closed and the 2nd stage cement job will be aborted at that time, if no cement is seen at surface on the 1st stage the stage tool will be opened and a 2nd stage cement job will be pumped.

3. PRODUCTION LINER:

Run 4-1/2" Liner with cement nose guide Float Shoe + 2jts. of 4-1/2" casing + Landing Collar + 4-1/2" pup joint + 1 RSI (Sliding Sleeve) positioned inside the 330ft Hard line. Centralizer program will be determined by Wellbore condition and when Lateral is evaluated by Geoscientists and Reservoir Engineers. Set seals on Liner Hanger. Test TOL to 1500 psi for 15 minutes.

C. CEMENT:

(Note: Volumes may be adjusted onsite due to actual conditions)

1. Surface:

5 bbl Fresh Water Spacer, 100 sx (160 cu.ft.) of 14.5 ppg Type I-II (Neat G) + 20% Fly Ash cement w/ 7.41 gal/sack mix water ratio @ 1.61 cu ft/sx yield. Calculated @ volume + 50% excess. WOC 12 hours. Test csg to 600psi. Total Volume: (160 cu-ft/100 sx/ Bbls).TOC at Surface.

2. Intermediate:

Spacer #1: 20 bbl (112 cuft) Chemwash. Lead Cement: 104 bbls, 295 sks, (581 cuft), 12.3 ppg @ 1.97 cuft/sk yield. Tail Cement: 59 bbls, 254 sks, (331 cuft), 13.5 ppg @ 1.3 cuft/sk yield. Displacement: Displace w/ +/- 217 bbl Drilling mud or water. Total Cement: 162 bbls, 549 sks, (912 cuft)

3. Prod Liner:

Spacer #1: 10 bbl (56 cu-ft) Water Spacer. Spacer #2: 40 bbl 9.5 ppg (224.6 cu-ft) Toned Spacer III. Spacer #3: 10 bbl Water Spacer. Lead Cement: Extencem™ System. Yield 1.36 cuft/sk 13.3 ppg (771 sx /1049 cuft /187 bbls). Tail Spacer: 20 BBL of MMCR. Displacement: Displace w/ +/-178bbl Fr Water. Total Cement (771 sx /1049bbls).

D. COMPLETION:

Run CCL for perforating

A. PRESSURE TEST:

1. Pressure test 4-1/2" casing to 4500 psi max, hold at 1500 psi for 30 minutes. Increase pressure to Open RSI sleeves.

B. STIMULATION:

1. Stimulate with approximately 2,805,000# 20/40 mesh sand and 340,000# 16/30 mesh sand in 619,113 gallons water with 42,696 mscf N2 for 17 stages.
2. Isolate stages with flow through frac plug.
3. Drill out frac plugs and flowback lateral.

C. RUNNING TUBING:

1. Production Tubing: Run 2-7/8", 6.5#, J-55, EUE tubing with a SN on top of bottom joint. Land tubing near Top of Liner.

If this horizontal well is drilled past the applicable setbacks, an unorthodox location application is not required because the completed interval in this well, as defined by 19.15.16.7 B(1) NMAC, will be entirely within the applicable setbacks. This approach complies with all applicable rules, including 19.15.16.14 A(3) NMAC, 19.15.16.14 B(2) NMAC, 19.15.16.15 B(2) NMAC, and 19.15.16.15. B(4) NMAC.

NOTES:

A 4-1/2" 11.6# P-110 Liner will be run to TD and landed +/- 150 ft. into the 7" 23# J-55 Intermediate casing with a Liner Hanger and pack-off assembly then cemented to top of liner hanger.

After cementing and TOL clean up operations are complete, the TOL will be tested to 1500 psi (per BLM).

WPX Energy

T22N R7W

2207-10L NEU

N Escavada UT #315H - Slot A4

Wellbore #1

Plan: Design #1 10Feb16 sam

Standard Planning Report

26 February, 2016

WPX
Planning Report

Database:	COMPASS	Local Co-ordinate Reference:	Well N Escavada UT #315H (A4) - Slot A4
Company:	WPX Energy	TVD Reference:	GL @ 6860.00usft (Original Well Elev)
Project:	T22N R7W	MD Reference:	GL @ 6860.00usft (Original Well Elev)
Site:	2207-10L NEU	North Reference:	True
Well:	N Escavada UT #315H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1 10Feb16 sam		

Project	T22N R7W		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico West 3003		

Site	2207-10L NEU		
Site Position:		Northing:	1,874,369.33 usft
From:	Map	Easting:	577,790.34 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in
		Latitude:	36.151162
		Longitude:	-107.569842
		Grid Convergence:	0.16 °

Well	N Escavada UT #315H - Slot A4		
Well Position	+N-S	0.00 usft	Northing:
	+E-W	0.00 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft
		Latitude:	36.151162
		Longitude:	-107.569842
		Ground Level:	6,860.00 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2015	2/10/2016	9.25
			Dip Angle
			(°)
			Field Strength
			(nT)
			49,866

Design	Design #1 10Feb16 sam		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.00
Vertical Section:	Depth From (TVD)	+N-S	+E-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction
			(bearing)
			320.72

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (bearing)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Dogleg Rate (°/100usft)	Bulld Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,348.28	16.97	87.72	1,335.94	4.95	124.58	2.00	2.00	0.00	87.72	
4,317.06	16.97	87.72	4,175.52	39.36	990.17	0.00	0.00	0.00	0.00	
5,119.33	60.00	314.64	4,851.71	327.26	839.46	9.00	5.36	-16.59	-138.37	Start 60 Tan #315H
5,179.33	60.00	314.64	4,881.71	363.77	802.49	0.00	0.00	0.00	0.00	End 60 Tan #315H
5,343.53	74.78	314.64	4,944.67	469.99	694.93	9.00	9.00	0.00	0.00	
5,515.04	90.22	314.64	4,967.00	589.11	574.31	9.00	9.00	0.00	0.00	POE #315H
13,238.55	90.22	314.64	4,938.00	6,016.08	-4,921.12	0.00	0.00	0.00	0.00	BHL #315H

WPX
Planning Report

Database: COMPASS
Company: WPX Energy
Project: T22N R7W
Site: 2207-10L NEU
Well: N Escavada UT #315H
Wellbore: Wellbore #1
Design: Design #1 10Feb16 sam

Local Co-ordinate Reference: Well N Escavada UT #315H (A4) - Slot A4
TVD Reference: GL @ 6860.00usft (Original Well Elev)
MD Reference: GL @ 6860.00usft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (bearing)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
320.00	0.00	0.00	320.00	0.00	0.00	0.00	0.00	0.00	0.00
9 5/8"									
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
1,000.00	10.00	87.72	997.47	1.73	43.49	-26.20	2.00	2.00	0.00
1,348.28	16.97	87.72	1,335.94	4.95	124.58	-75.04	2.00	2.00	0.00
Hold 16.97 Inclination									
1,500.00	16.97	87.72	1,481.06	6.71	168.81	-101.69	0.00	0.00	0.00
2,000.00	16.97	87.72	1,959.30	12.51	314.60	-189.51	0.00	0.00	0.00
2,500.00	16.97	87.72	2,437.54	18.30	460.38	-277.32	0.00	0.00	0.00
3,000.00	16.97	87.72	2,915.78	24.10	606.16	-365.14	0.00	0.00	0.00
3,500.00	16.97	87.72	3,394.02	29.89	751.95	-452.96	0.00	0.00	0.00
4,000.00	16.97	87.72	3,872.26	35.69	897.73	-540.77	0.00	0.00	0.00
4,317.06	16.97	87.72	4,175.52	39.36	990.17	-596.46	0.00	0.00	0.00
Start build DLS 9.00 TFO -138.37									
4,500.00	11.74	20.02	4,353.79	58.04	1,023.45	-603.07	9.00	-2.86	-37.01
5,000.00	49.57	317.78	4,782.98	257.11	906.94	-375.21	9.00	7.57	-12.45
5,119.33	60.00	314.64	4,851.71	327.26	839.46	-278.20	9.00	8.74	-2.63
Hold 60.00 Inclination									
5,179.33	60.00	314.64	4,881.71	363.77	802.49	-226.53	0.00	0.00	0.00
Start Build DLS 9.00 TFO 0.00									
5,343.53	74.78	314.64	4,944.67	469.99	694.93	-76.21	9.00	9.00	0.00
Start DLS 9.00 TFO 0.00									
5,500.00	88.86	314.64	4,986.88	578.54	585.01	77.41	9.00	9.00	0.00
5,515.04	90.21	314.64	4,987.00	588.11	574.31	92.36	9.00	9.00	0.00
POE at 90.21 Inc 314.64 Deg - 7"									
6,000.00	90.22	314.64	4,965.18	929.87	229.25	574.59	0.00	0.00	0.00
6,500.00	90.22	314.64	4,963.30	1,281.20	-126.51	1,071.78	0.00	0.00	0.00
7,000.00	90.22	314.64	4,961.42	1,632.53	-482.27	1,568.97	0.00	0.00	0.00
7,500.00	90.22	314.64	4,959.55	1,983.85	-838.03	2,066.16	0.00	0.00	0.00
8,000.00	90.22	314.64	4,957.67	2,335.18	-1,193.79	2,563.34	0.00	0.00	0.00
8,500.00	90.22	314.64	4,955.79	2,686.51	-1,549.55	3,060.53	0.00	0.00	0.00
9,000.00	90.22	314.64	4,953.91	3,037.84	-1,905.31	3,557.72	0.00	0.00	0.00
9,500.00	90.22	314.64	4,952.04	3,389.17	-2,261.07	4,054.91	0.00	0.00	0.00
10,000.00	90.22	314.64	4,950.16	3,740.49	-2,616.82	4,552.09	0.00	0.00	0.00
10,500.00	90.22	314.64	4,948.28	4,091.82	-2,972.58	5,049.28	0.00	0.00	0.00
11,000.00	90.22	314.64	4,946.41	4,443.15	-3,328.34	5,546.47	0.00	0.00	0.00
11,500.00	90.22	314.64	4,944.53	4,794.48	-3,684.10	6,043.66	0.00	0.00	0.00
12,000.00	90.22	314.64	4,942.65	5,145.81	-4,039.86	6,540.84	0.00	0.00	0.00
12,500.00	90.22	314.64	4,940.77	5,497.14	-4,395.62	7,038.03	0.00	0.00	0.00
13,000.00	90.22	314.64	4,938.90	5,848.46	-4,751.38	7,535.22	0.00	0.00	0.00
13,238.55	90.22	314.64	4,938.00	6,016.08	-4,921.12	7,772.43	0.00	0.00	0.00
TD at 13238.55									

WPX
Planning Report

Database:	COMPASS	Local Co-ordinate Reference:	Well N Escavada UT #315H (A4) - Slot A4
Company:	WPX Energy	TVD Reference:	GL @ 6860.00usft (Original Well Elev)
Project:	T22N R7W	MD Reference:	GL @ 6860.00usft (Original Well Elev)
Site:	2207-10L NEU	North Reference:	True
Well:	N Escavada UT #315H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1 10Feb16 sam		

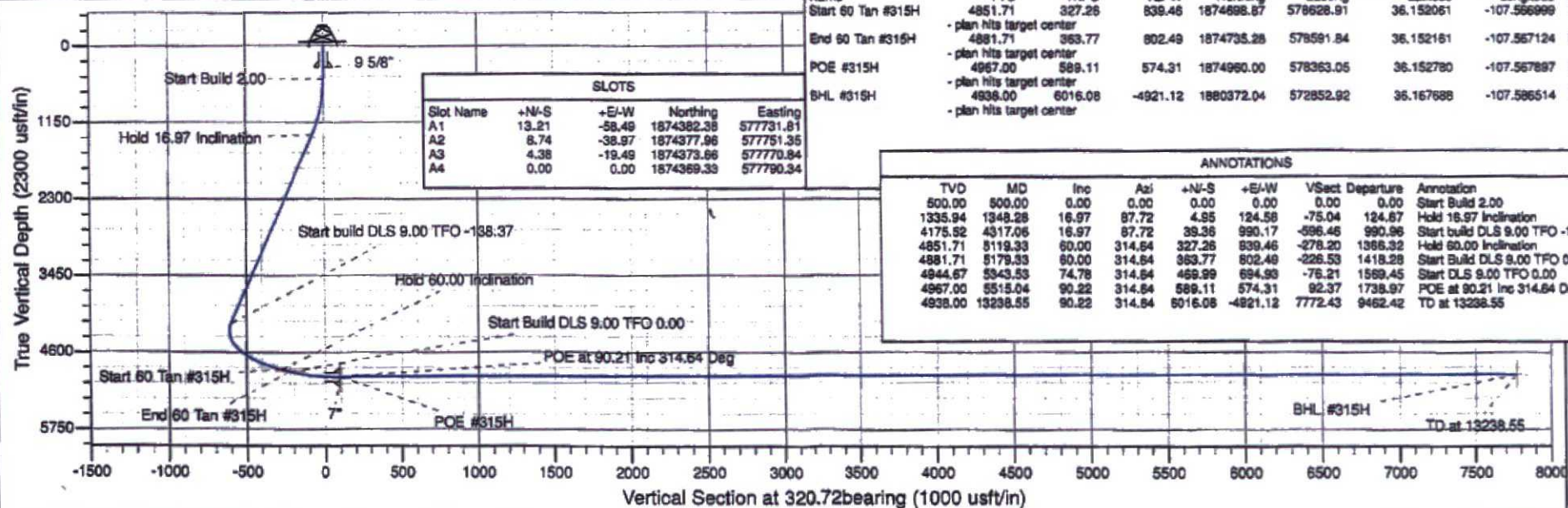
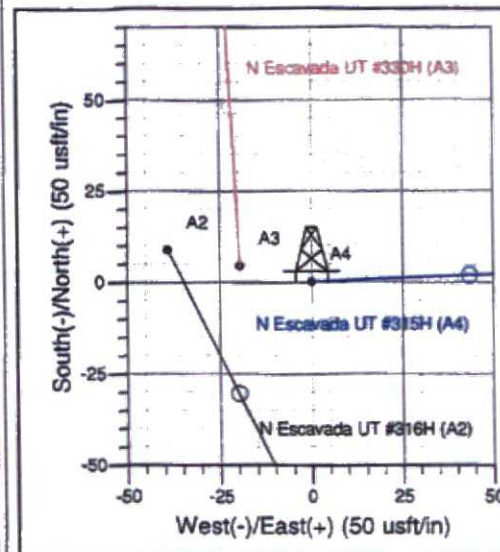
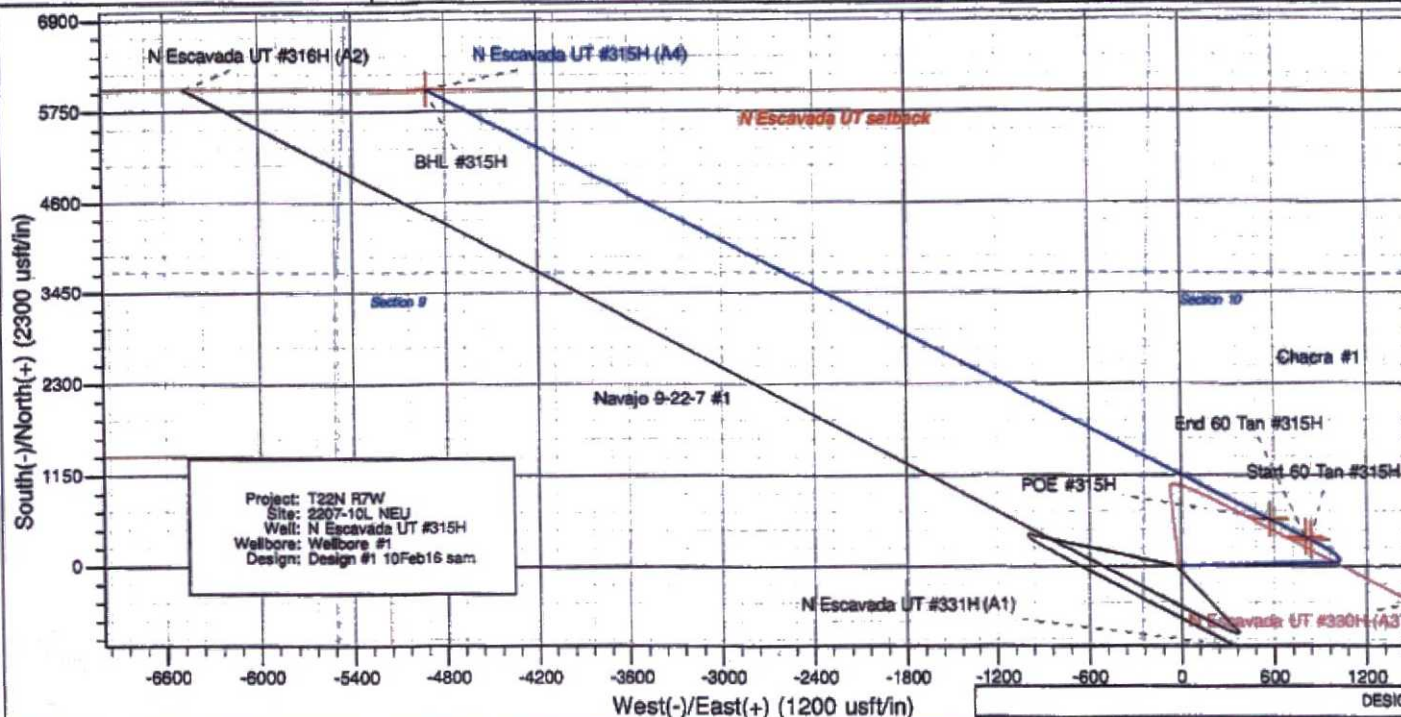
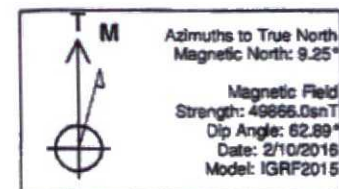
Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (bearing)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Start 60 Tan #315H - plan hits target center - Point	0.00	0.00	4,851.71	327.26	839.46	1,874,698.87	578,628.91	36.152061	-107.566999
End 60 Tan #315H - plan hits target center - Point	0.00	0.00	4,881.71	363.77	802.49	1,874,735.28	578,591.84	36.152161	-107.567124
BHL #315H - plan hits target center - Point	0.00	0.00	4,938.00	6,016.08	-4,921.12	1,880,372.04	572,852.92	36.167688	-107.586514
POE #315H - plan hits target center - Point	0.00	0.00	4,967.00	589.11	574.31	1,874,980.00	578,363.05	36.152780	-107.567897

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (in)	Hole Diameter (in)	
320.00	320.00	9 5/8"	9.625	12.250	
5,515.04	4,967.00	7"	7.000	8.750	

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
500.00	500.00	0.00	0.00	Start Build 2.00	
1,348.28	1,335.94	4.95	124.58	Hold 16.97 Inclination	
4,317.06	4,175.52	39.36	990.17	Start build DLS 9.00 TFO -138.37	
5,119.33	4,851.71	327.26	839.46	Hold 60.00 Inclination	
5,179.33	4,881.71	363.77	802.49	Start Build DLS 9.00 TFO 0.00	
5,343.53	4,944.67	469.99	694.83	Start DLS 9.00 TFO 0.00	
5,515.04	4,967.00	589.11	574.31	POE at 90.21 Inc 314.64 Deg	
13,238.55	4,938.00	6,016.08	-4,921.12	TD at 13238.55	



Well Name: N Escavada UT #315H
 Surface Location: 2207-10L NEU
 NAD 1927 (NADCON CONUS) , US State Plane 1927 (Exact solution) New Mexico West 3003
 Ground Elevation: 6860.00
 +N/-S +E/-W Northing Easting Latitude Longitude Slot
 0.00 0.00 1874369.33 577790.34 36.151162 -107.569842 A4
 GL @ 6860.00usft (Original Well Elev)



determined during construction and interim reclamation and installed where needed as needed.

- d. Facilities will be painted Juniper Green.
 - e. BLM approved sagebrush seed mix will be used during reclamation.
 - f. Vegetation will be mulched and incorporated into the topsoil.
- 5. All project activities will be confined to permitted areas only.
 - 6. Construction equipment may include chain saws, a brush hog, scraper, maintainer, excavator, backhoe, trencher, compact track loader, and a dozer.
 - 7. If drilling has not been initiated on the well pad within 120 days of the well pad being constructed, the operator will consult with the BLM to address a site-stabilization plan.

D. Production Facilities

- 1. As practical, access will be a teardrop-shaped road through the production area so that the center may be revegetated.
- 2. Within 90 days of installation, production facilities would be painted Juniper Green to blend with the natural color of the landscape and would be located, to the extent practical, to reasonably minimize visual impact.
- 3. Berms will be constructed around all storage facilities sufficient in size to contain the storage capacity of tanks. Berm walls will be compacted with appropriate equipment to assure containment.

After the completion phases and pipeline installation, portions of the project area not needed for operation will be reclaimed. When the well is plugged, final reclamation will occur within the remainder of the project area. Reclamation is described in detail in the Reclamation Plan (Appendix C).

7.0 Methods for Handling Waste

✓ **A. Cuttings**

- 1. Drilling operations will utilize a closed-loop system. Drilling of the horizontal laterals will be accomplished with water-based mud. All cuttings will be placed in roll-off bins and hauled to a commercial disposal facility or land farm. WPX will follow Onshore Oil and Gas Order No. 1 regarding the placement, operation, and removal of closed-loop systems. No blow pit will be used.
- 2. Closed-loop tanks will be adequately sized for containment of all fluids.

B. Drilling Fluids

- 1. Drilling fluids will be stored onsite in above-ground storage tanks. Upon termination of drilling operations, the drilling fluids will be recycled and transferred to other permitted closed-loop systems or returned to the vendor for reuse, as practical. All residual fluids will be hauled to a commercial disposal facility.

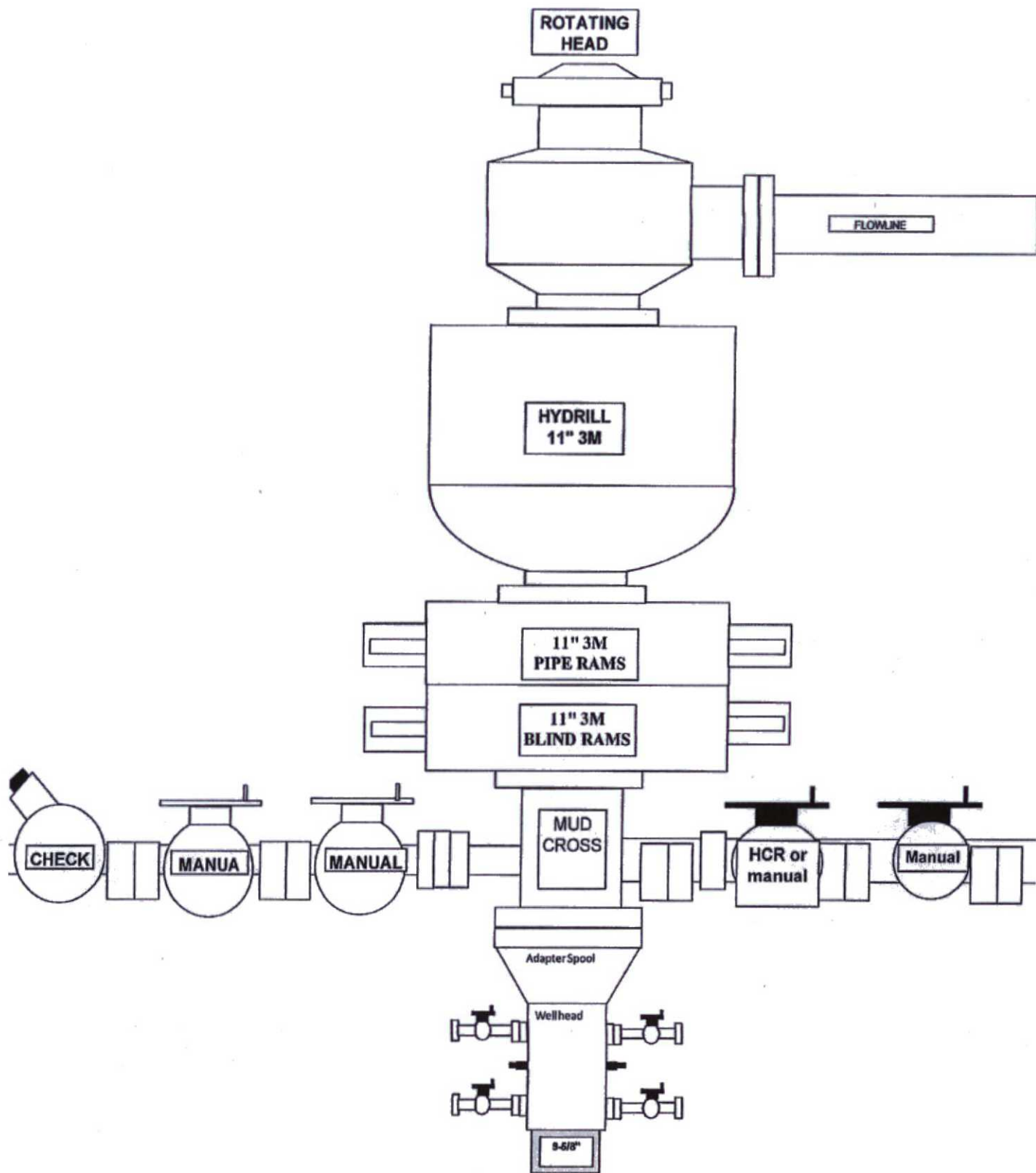
C. Spills

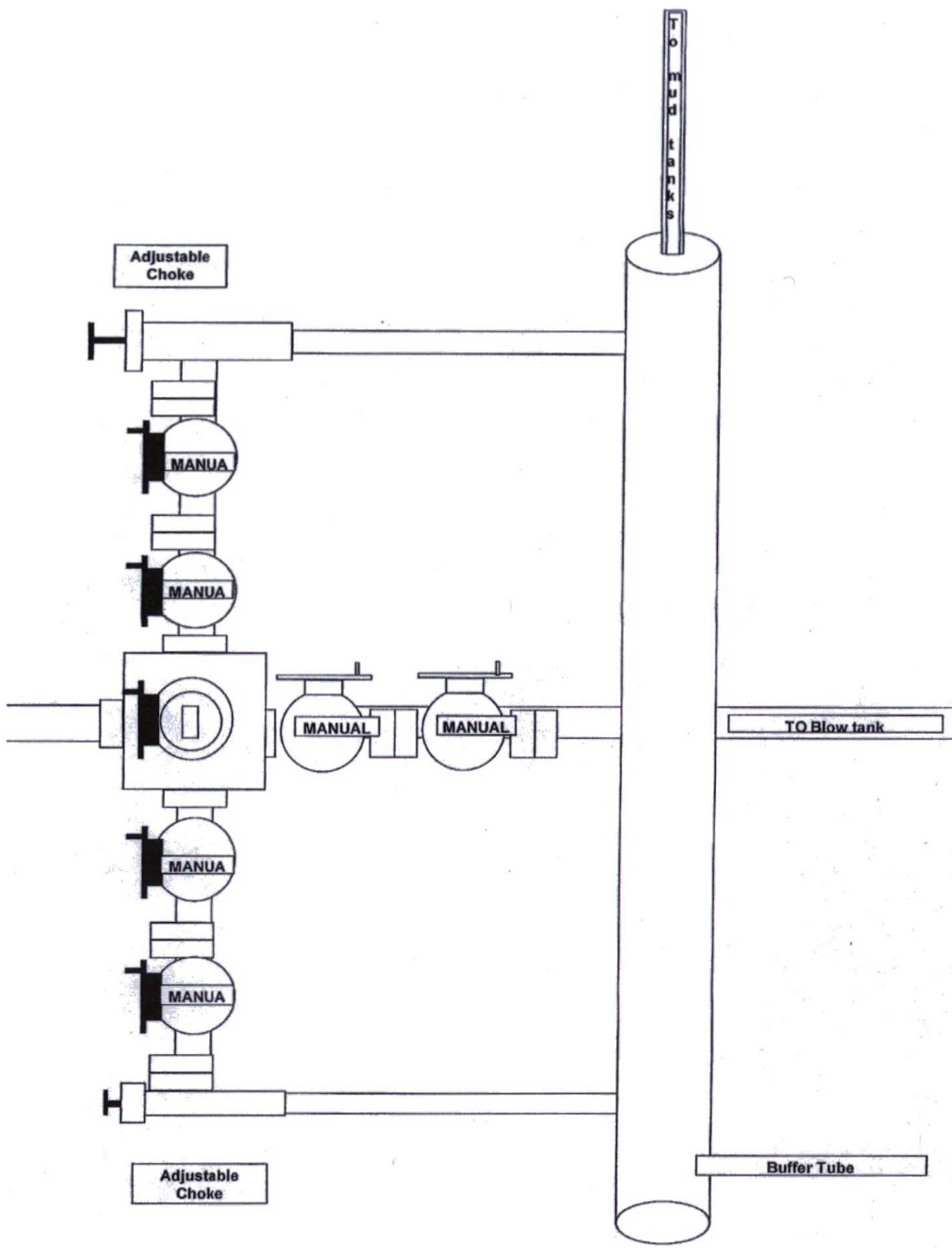
- 1. Any spills of non-freshwater fluids will be immediately cleaned up and removed to an approved disposal site.

D. Sewage

- 1. Portable toilets will be provided and maintained during construction, as needed (see Figure 4 in Appendix B for the location of toilets).

E. Garbage and other water material





Directions from the Intersection of US Hwy 550 & US Hwy 64
in Bloomfield, NM to WPX Energy Production, LLC N Escavada UT #315H
1583' FSL & 250' FWL, Section 10, T22N, R7W, N.M.P.M., Sandoval County, NM

Latitude: 36.151177°N Longitude: 107.570449°W Datum: NAD1983

From the intersection of US Hwy 550 & US Hwy 64 in Bloomfield, NM, travel Southerly on US Hwy 550 for 53.6 miles to Mile Marker 97.7;

Go Right (Southerly) on Indian Service Route #474 for 4.9 miles to fork in roadway;

Go Right (Westerly) exiting Indian Service Route #474 for 2.5 miles to fork in roadway;

Go Right (Westerly) which is straight for 0.3 miles to fork in roadway,

Go Right (Westerly) which is straight for 1.0 miles to 4-way intersection;

Go Straight (Westerly) for 1.2 miles to 4-way intersection;

Go Left (Southerly) for 1.7 miles to 4-way intersection;

Go Right (Westerly) for 1.1 miles to new access on left-hand side of existing roadway which continues for an additional 29.4' to staked WPX N Escavada UT #315H location.