

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

Ken McQueen
Cabinet Secretary

Matthias Sayer
Deputy 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: 1/17/17

Well information;

Operator WRX, Well Name and Number N Escavada Und. 330H

API# 30-043-21299, 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
NMOCD Approved by Signature

3-10-2017
Date

OIL CONS. DIV DIST. 3
MAR 0 3 2017

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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 330H	
9. API Well No. 30-043-21299	
1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER	10. Field and Pool, or Exploratory BASIN MANCOS / ESCAVADA N, MANC
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone	11. Sec., T. R. M. or Blk. and Survey or Area SEC 10 / T22N / R7W / NMP
2. Name of Operator WPX ENERGY LLC	12. County or Parish SANDOVAL
3a. Address 720 S Main Aztec NM 87410	13. State NM
3b. Phone No. (include area code) (505)333-1822	14. Distance in miles and direction from nearest town or post office* 97.7 miles
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface NWSW / 1587 FSL / 231 FWL / LAT 36.151189 / LONG -107.570515 At proposed prod. zone SWNW / 2330 FNL / 83 FWL / LAT 36.140111 / LONG -107.553426	15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 231 feet
16. No. of acres in lease 160	17. Spacing Unit dedicated to this well 320
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 29.4 feet	19. Proposed Depth 4880 feet / 11953 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* 04/01/2017	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:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the BLM.

25. Signature (Electronic Submission)	Name (Printed/Typed) Lacey Granillo / Ph: (505)333-1816	Date 01/17/2017
Title Permitting Tech III		
Approved by (Signature) <i>[Signature]</i>	Name (Printed/Typed)	Date 3/1/17
Title AFM	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)

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

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

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

NMOCD *AV*

District I
1525 N. French Drive, Hobbs, NM 88240
Phone: (575) 393-6151 Fax: (575) 393-0720

District II
811 S First Street, Artesia, NM 88210
Phone: (575) 748-1293 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-5178 Fax: (505) 334-5170

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 O-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

MAR 03 2017

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number		*Pool Code 98172		*Pool Name ESCAVADA N; MANCOS (OIL)	
*Property Code 316006	*Property Name N ESCAVADA UT			*Well Number 330H	
*GRID No 1207B2	*Operator Name WPX ENERGY PRODUCTION, LLC			*Elevation 6860	

¹⁰ Surface Location

U. or lot no.	Section	Township	Range	Lot 30	Feet from the	North/South line	Feet from the	East/West line	County
L	10	22N	7W		1587	SOUTH	231	WEST	SANDOVAL

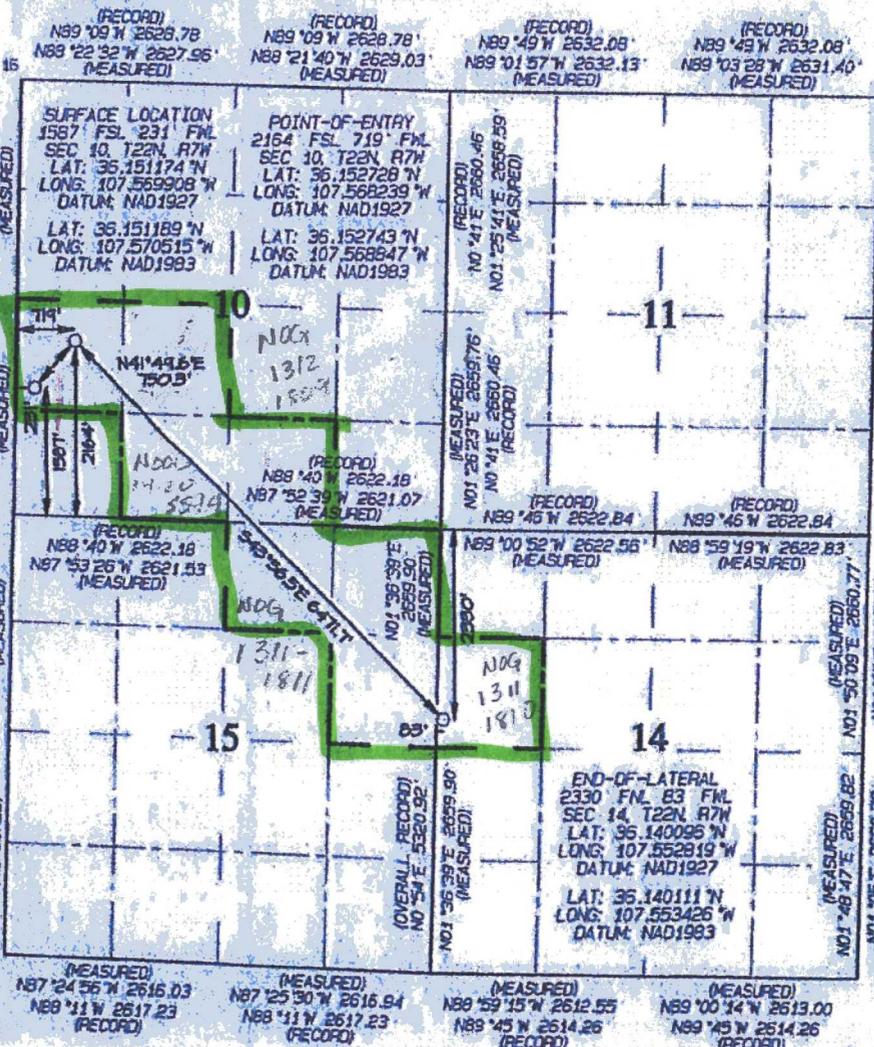
¹¹ Bottom Hole Location If Different From Surface

U. or lot no.	Section	Township	Range	Lot 30	Feet from the	North/South line	Feet from the	East/West line	County
E	14	22N	7W		2330	NORTH	83	WEST	SANDOVAL

¹² Dedicated Acres 320.0	N/2 SW/4, SE/4 SW/4 SW/4 SE/4 - Section 10 SW/4 NW/4 - Section 14 N/2 NE/4, SE/4 NE/4 - Section 15	¹³ Joint or Infill	¹⁴ Correlation Code	¹⁵ Order No. R-14080
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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

SHL & POE
NOOC 14-20-55A
Pentrat 15
NO 1312
1809
NO 1311-1811
TOE
NO 1311-1810



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 hereafter entered by the division.

Signature: *[Signature]* Date: 1-13-17
Lacey Granillo
lacey.granillo@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: JANUARY 10, 2017
Date of Survey: JULY 28, 2015

Signature and Seal of Professional Surveyor

JASON C. EDWARDS
NEW MEXICO
REGISTERED PROFESSIONAL SURVEYOR
15269

JASON C. EDWARDS
Certificate Number 15269



WPX Energy

Operations Plan

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

Date:	January 17, 2017	Field:	Lybrook Gallup
Well Name:	N Escavada UT #330H	Surface:	
SH Location:	NWSW Sec 10-22N-07W	Elevation:	6860' GR
BH Location:	SWNW Sec 14-22N-07W	Minerals:	

Measured Depth: 11,953.26'

I. GEOLOGY

Surface formation - NACIMIENTO

A. FORMATION TOPS: (KB)

NAME	MD	TVD	NAME	MD	TVD
OJO ALAMO	704	704	POINT LOOKOUT	3765	3645
KIRTLAND	855	854	MANCOS	3921	3794
PICTURED CLIFFS	1227	1219	GALLUP	4263	4121
LEWIS	1344	1332	KICKOFF POINT	4,269.22	4,127.00
CHACRA	1642	1617	TOP TARGET	5239	4888
CLIFF HOUSE	2772	2696	LANDING POINT	5,482.37	4,932.00
MENEFEE	2810	2733	BASE TARGET	5,482.37	4,932.00
			TD	11,953.26	4,880.00

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"	5,482.37'	7"	23 LBS	J-55 or equiv	LTC
PRODUCTION	6.125"	5332.37' - 11,953.26'	4.5"	11.6 LBS	P-110 or equiv	LTC
TIE BACK	6.125"	Surf. - 5332.37'	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 cancelation 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: 103 bbls, 292 sks, (576 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/ +/- 216 bbl Drilling mud or water. Total Cement: 161 bbls, 547 sks, (907 cuft)

3. Prod Liner:

Spacer #1: 10 bbl (56 cu-ft) Water Spacer. Spacer #2: 40 bbl 9.5 ppg (224.6 cu-ft) Tuned Spacer III. Spacer #3: 10 bbl Water Spacer. Lead Cement: Extencem™ System. Yield 1.36 cuft/sk 13.3 ppg (649 sx /882 cuft /157 bbls). Tail Spacer: 20 BBL of MMCR. Displacement: Displace w/ +/-158bbl Fr Water. Total Cement (649 sx /882bbls).

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 #330H - Slot A3

Wellbore #1

Plan: Design #2 26Feb16 sam

Standard Planning Report

26 February, 2016

WPX Planning Report

Database:	COMPASS	Local Co-ordinate Reference:	Well N Escavada UT #330H (A3) - Slot A3
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 #330H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2 26Feb16 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
Latitude:		Longitude:	-107.569842
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in
		Grid Convergence:	0.16 °

Well N Escavada UT #330H - Slot A3			
Well Position	+N/-S	4.38 usft	Northing:
	+E/-W	-19.49 usft	1,874,373.66 usft
			Latitude:
			36.151174
			Easting:
			577,770.84 usft
			Longitude:
			-107.569908
Position Uncertainty		0.00 usft	Wellhead Elevation:
			0.00 usft
			Ground Level:
			6,860.00 usft

Wellbore Wellbore #1					
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2015	1/8/2016	(°)	(°)	(nT)
			9.26	62.89	49,876

Design Design #2 26Feb16 sam				
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(bearing)
	0.00	0.00	0.00	128.63

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (bearing)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build 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	
1,357.50	17.15	356.93	1,344.76	127.20	-6.82	2.00	2.00	0.00	356.93	
4,269.22	17.15	356.93	4,127.00	984.56	-52.79	0.00	0.00	0.00	0.00	
5,083.93	60.00	135.28	4,816.73	832.50	228.50	9.00	5.26	16.98	143.07	Start 60 Tan #330H 2-
5,143.93	60.00	135.28	4,846.73	795.58	265.06	0.00	0.00	0.00	0.00	End 60 Tan #330H 24
5,309.81	74.93	135.28	4,910.13	687.02	372.57	9.00	9.00	0.00	0.00	
5,482.37	90.46	135.28	4,932.00	565.78	492.64	9.00	9.00	0.00	0.00	POE #330H 24Feb16
11,953.26	90.46	135.28	4,880.00	-4,031.90	5,045.78	0.00	0.00	0.00	0.00	BHL #330H

WPX
Planning Report

Database:	COMPASS	Local Co-ordinate Reference:	Well N Escavada UT #330H (A3) - Slot A3
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 #330H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2 26Feb16 sam		

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	356.93	997.47	43.46	-2.33	-28.95	2.00	2.00	0.00	
1,357.50	17.15	356.93	1,344.76	127.20	-6.82	-84.73	2.00	2.00	0.00	
Hold 17.15 Inclination										
1,500.00	17.15	356.93	1,480.92	169.16	-9.07	-112.68	0.00	0.00	0.00	
2,000.00	17.15	356.93	1,958.68	316.38	-16.96	-210.75	0.00	0.00	0.00	
2,500.00	17.15	356.93	2,436.45	463.61	-24.86	-308.83	0.00	0.00	0.00	
3,000.00	17.15	356.93	2,914.22	610.84	-32.75	-406.90	0.00	0.00	0.00	
3,500.00	17.15	356.93	3,391.99	758.06	-40.64	-504.97	0.00	0.00	0.00	
4,000.00	17.15	356.93	3,869.76	905.29	-48.54	-603.04	0.00	0.00	0.00	
4,269.22	17.15	356.93	4,127.00	984.56	-52.79	-655.85	0.00	0.00	0.00	
Start build DLS 9.00 TFO 143.07										
4,500.00	12.31	85.63	4,352.48	1,020.81	-29.83	-660.55	9.00	-2.10	38.43	
5,000.00	52.62	133.34	4,770.20	881.28	178.60	-410.61	9.00	8.06	9.54	
5,083.93	60.00	135.28	4,816.73	832.50	228.50	-341.18	9.00	8.79	2.31	
Hold 60.00 Inclination										
5,143.93	60.00	135.28	4,846.73	795.58	265.06	-289.57	0.00	0.00	0.00	
Start build DLS 9.00 TFO 0.00										
5,309.81	74.93	135.28	4,910.13	687.02	372.57	-137.81	9.00	9.00	0.00	
Start DLS 9.00 TFO 0.00										
5,482.00	90.43	135.28	4,932.00	566.04	492.38	31.31	9.00	9.00	0.00	
7"										
5,482.37	90.46	135.28	4,932.00	565.78	492.64	31.68	9.00	9.00	0.00	
POE at 90.46 Inc 135.28 Deg										
5,500.00	90.46	135.28	4,931.86	553.25	505.04	49.19	0.00	0.00	0.00	
6,000.00	90.46	135.28	4,927.84	197.99	856.86	545.80	0.00	0.00	0.00	
6,500.00	90.46	135.28	4,923.82	-157.27	1,208.68	1,042.42	0.00	0.00	0.00	
7,000.00	90.46	135.28	4,919.80	-512.52	1,560.49	1,539.04	0.00	0.00	0.00	
7,500.00	90.46	135.28	4,915.79	-867.78	1,912.31	2,035.66	0.00	0.00	0.00	
8,000.00	90.46	135.28	4,911.77	-1,223.04	2,264.13	2,532.28	0.00	0.00	0.00	
8,500.00	90.46	135.28	4,907.75	-1,578.30	2,615.95	3,028.90	0.00	0.00	0.00	
9,000.00	90.46	135.28	4,903.73	-1,933.56	2,967.76	3,525.51	0.00	0.00	0.00	
9,500.00	90.46	135.28	4,899.71	-2,288.82	3,319.58	4,022.13	0.00	0.00	0.00	
10,000.00	90.46	135.28	4,895.70	-2,644.07	3,671.40	4,518.75	0.00	0.00	0.00	
10,500.00	90.46	135.28	4,891.68	-2,999.33	4,023.22	5,015.37	0.00	0.00	0.00	
11,000.00	90.46	135.28	4,887.66	-3,354.59	4,375.03	5,511.99	0.00	0.00	0.00	
11,500.00	90.46	135.28	4,883.64	-3,709.85	4,726.85	6,008.61	0.00	0.00	0.00	
11,953.26	90.46	135.28	4,880.00	-4,031.90	5,045.78	6,458.80	0.00	0.00	0.00	
TD at 11953.26										

WPX
Planning Report

Database:	COMPASS	Local Co-ordinate Reference:	Well N Escavada UT #330H (A3) - Slot A3
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 #330H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2 26Feb16 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 #330H 24F - plan hits target center - Point	0.00	0.00	4,816.73	832.50	228.50	1,875,206.78	577,997.08	36.153461	-107.569134
End 60 Tan #330H 24Fe - plan hits target center - Point	0.00	0.00	4,846.73	795.58	265.06	1,875,169.96	578,033.74	36.153360	-107.569010
BHL #330H - plan hits target center - Point	0.00	0.00	4,880.00	-4,031.90	5,045.78	1,870,355.46	582,827.54	36.140097	-107.552820
POE #330H 24Feb16 sa - plan hits target center - Point	0.00	0.00	4,932.00	565.78	492.64	1,874,940.77	578,261.94	36.152728	-107.568240

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	
5,482.00	4,932.00	7"	7.000	8.750	

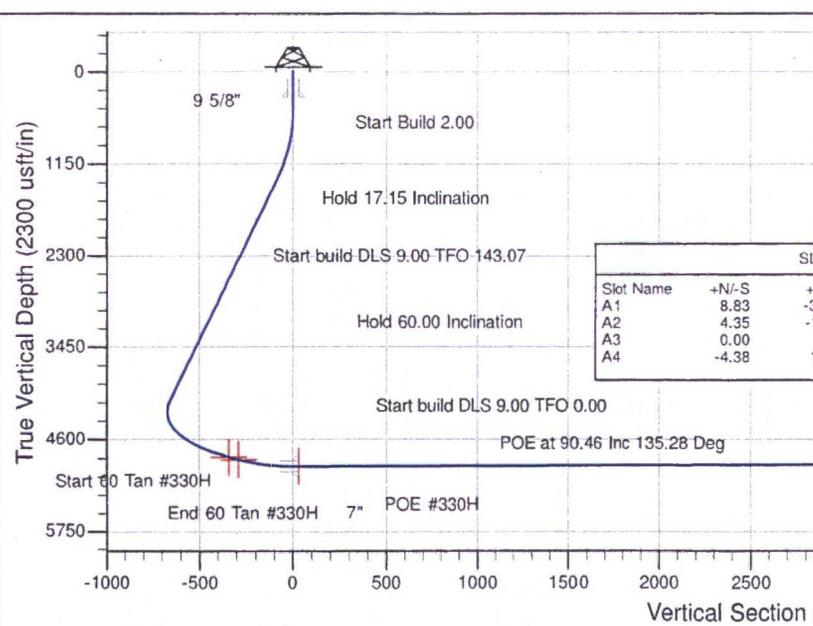
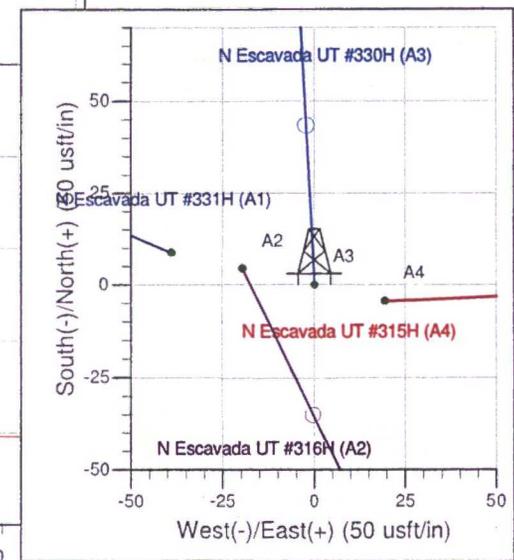
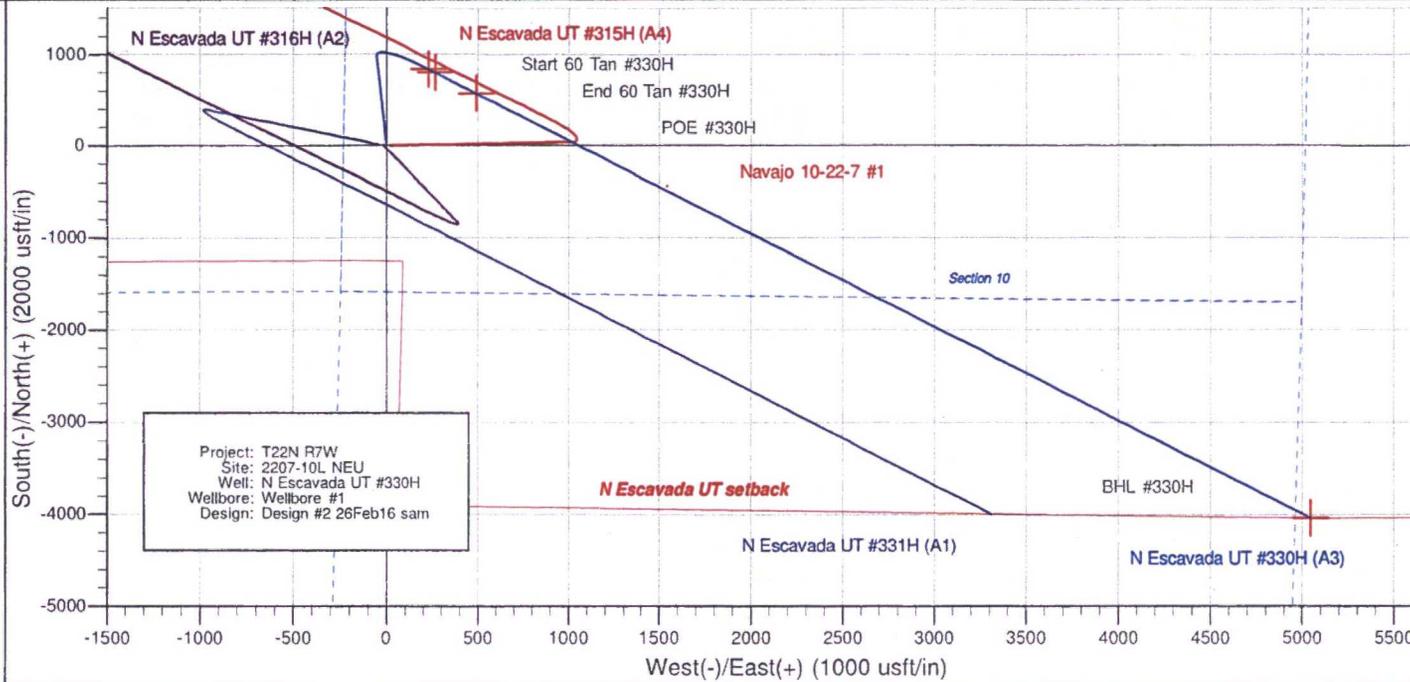
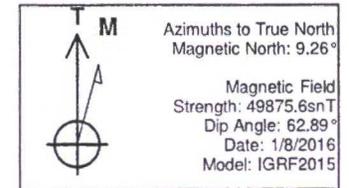
Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
500.00	500.00	0.00	0.00	Start Build 2.00	
1,357.50	1,344.76	127.20	-6.82	Hold 17.15 Inclination	
4,269.22	4,127.00	984.56	-52.79	Start build DLS 9.00 TFO 143.07	
5,083.93	4,816.73	832.50	228.50	Hold 60.00 Inclination	
5,143.93	4,846.73	795.58	265.06	Start build DLS 9.00 TFO 0.00	
5,309.81	4,910.13	687.02	372.57	Start DLS 9.00 TFO 0.00	
5,482.37	4,932.00	565.78	492.64	POE at 90.46 Inc 135.28 Deg	
11,953.26	4,880.00	-4,031.90	5,045.78	TD at 11953.26	



Well Name: N Escavada UT #330H
 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	1874373.66	577770.84	36.151174	-107.569908	A3

GL @ 6860.00usft (Original Well Elev)



DESIGN TARGET DETAILS									
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape	
Start 60 Tan #330H 24Feb16 sam	4816.73	832.50	228.50	1875206.78	577997.08	36.153461	-107.569134	Point	- plan hits target center
End 60 Tan #330H 24Feb16 sam	4846.73	795.58	265.06	1875169.96	578033.74	36.153360	-107.569010	Point	- plan hits target center
POE #330H 24Feb16 sam	4932.00	565.78	492.64	1874940.77	578261.94	36.152728	-107.568239	Point	- plan hits target center
BHL #330H	4880.00	-4031.90	5045.78	1870355.46	582827.54	36.140096	-107.552819	Point	- plan hits target center

SLOTS				
Slot Name	+N/-S	+E/-W	Northing	Easting
A1	8.83	-39.01	1874382.38	577731.81
A2	4.35	-19.48	1874377.96	577751.35
A3	0.00	0.00	1874373.66	577770.84
A4	-4.38	19.49	1874369.33	577790.34

ANNOTATIONS									
TVD	MD	Inc	Azi	+N/-S	+E/-W	VSec	Departure	Annotation	
500.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	Start Build 2.00	
1344.76	1357.50	17.15	356.93	127.20	-6.82	-84.73	127.38	Hold 17.15 Inclination	
4127.00	4269.22	17.15	356.93	984.56	-52.79	-655.85	985.97	Start build DLS 9.00 TFO 143.07	
4816.73	5083.93	60.00	135.28	832.50	228.50	-341.18	1359.59	Hold 60.00 Inclination	
4846.73	5143.93	60.00	135.28	795.58	265.06	-289.57	1411.55	Start build DLS 9.00 TFO 0.00	
4910.13	5309.81	74.93	135.28	687.02	372.57	-137.81	1564.33	Start DLS 9.00 TFO 0.00	
4932.00	5482.37	90.46	135.28	565.78	492.64	31.68	1734.96	POE at 90.46 Inc 135.28 Deg	
4880.00	11953.26	90.46	135.28	-4031.90	5045.78	6458.80	8205.65	TD at 11953.26	

- 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.

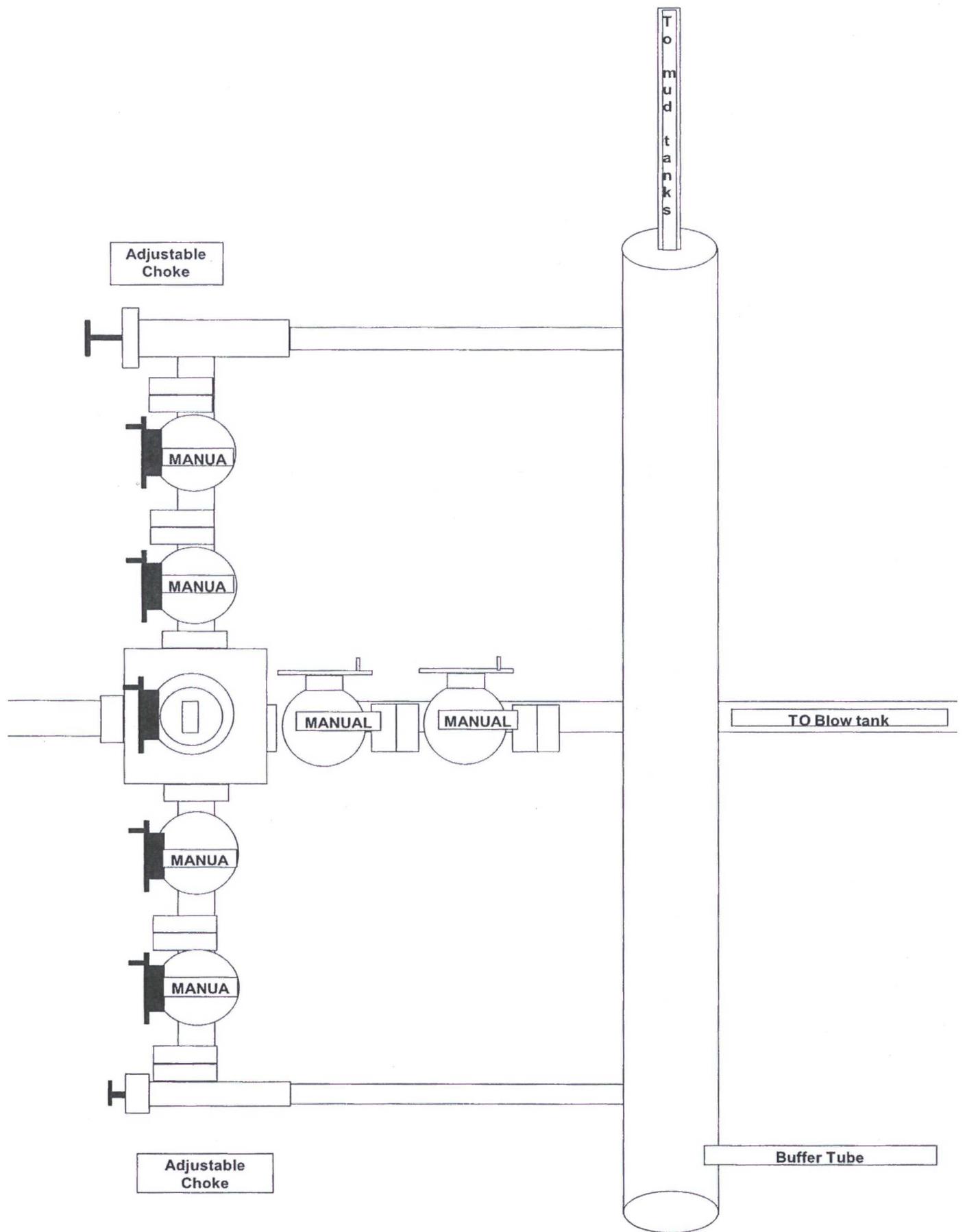
D. Production Facilities

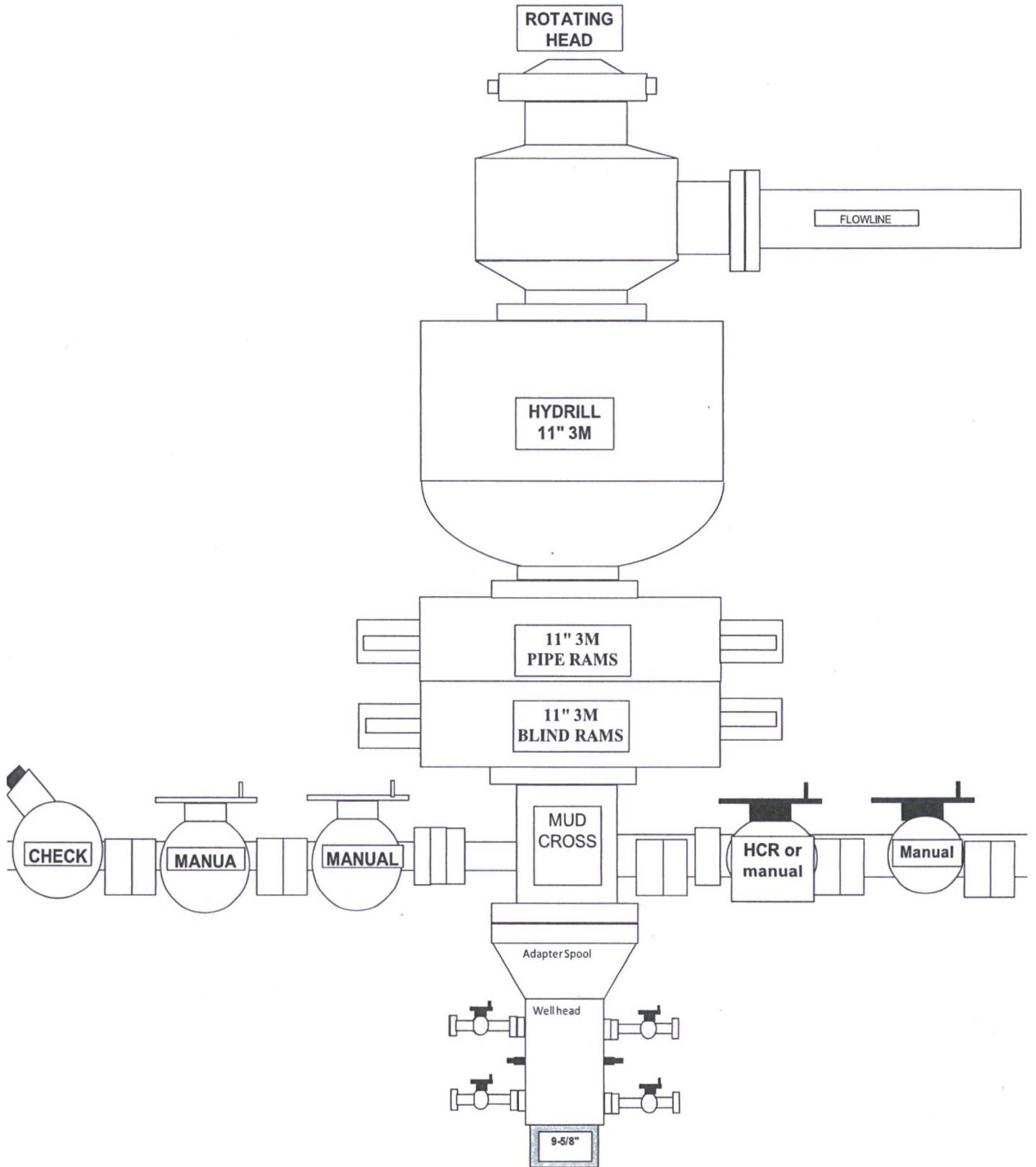
- 1. As practical, access will be a teardrop-shaped road through the production area so that the center may be revegetated.
- 2. Within 90 days of installation, production facilities would be painted Juniper Green to blend with the natural color of the landscape and would be located, to the extent practical, 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 #330H
1587' FSL & 231' FWL, Section 10, T22N, R7W, N.M.P.M., Sandoval County, NM

Latitude: 36.151189°N Longitude: 107.570515°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 #330H location.