State of New Mexico Energy, Minerals and Natural Resources Department

Susana Martinez Governor

Ken McQueen Cabinet Secretary Heather Riley, Division Director Oil Conservation Division

OF NEW ME

Matthias Sayer

Deputy Cabinet Secretary

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: 3-13-18 Well information; Operator
API#_30.043.21324, Section_26, Township _22.(N)S, RangeE/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.
MOCD Approved by Signature T-20.20/8 Date TPD held for un't approved -all agencies
S S S S S S S S S S S S S S S S S S S

Form 3160 -3 (March 2012)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

MAY 1 0 2018

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

DISTRICT 5. Lease Serial No. NMNM0554433

6. If Indian, Allotee or Tribe Name

la. Type of work:	R			7. If Unit or CA Agre	eement, Name and No.
lb. Type of Well: Oil Well Gas Well Other		Single Zone Multip	ole Zone	8. Lease Name and S ESCAVADA UN	
2. Name of Operator WPX ENERGY LLC	,		K	9. API Well No.	21324
700 0 14 1 4 4 1 114 0 744 0	3b. Phone 1 (505)333	No. (include area code) -1822		10. Field and Pool, or MANCOS / RUST	Exploratory Y GALLUP OIL POOL
 Location of Well (Report location clearly and in accordance with any At surface NENE / 494 FNL / 1239 FEL / LAT 36.115891 At proposed prod. zone SWNW / 1872 FNL / 330 FWL / LAT 	/ LONG -	107.540586	747	11. Sec., T. R. M. or E SEC 26 / T22N / R	Blk. and Survey or Area
14. Distance in miles and direction from nearest town or post office* 53.6 miles		A N		12. County or Parish SANDOVAL	13. State NM
15. Distance from proposed* location to nearest 494 feet property or lease line, ft. (Also to nearest drig. unit line, if any)	1400	acres in lease	17. Spacin 200	g Unit dedicated to this	well
18. Distance from proposed location* to nearest well, drilling, completed, 20 feet applied for, on this lease, ft.		t / 9530 feet	FED: U1	BIA Bond No. on file	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6779 feet	22. Appro 04/01/20	simate date work will star	rt*	23. Estimated duration 45 days	n
	Office .	achments			
 The following, completed in accordance with the requirements of Onshore Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System I SUPO must be filed with the appropriate Forest Service Office). 	~	4. Bond to cover the Item 20 above). 5. Operator certification.	ne operation	ns unless covered by an	existing bond on file (see s may be required by the
25. Signature (Electronic Submission)		e <i>(Printed/Typed)</i> ey Granillo / Ph: (505	5)333-1810	6	Date 03/13/2018
Title Permitting Tech III				14	
Approved by (Signature) Manuacoff	Nam	e (Printed/Typed)			Date 5/14/18
Title AFM	5.000.000	RMINGTON			,
Application approval does not warrant or certify that the applicant holds conduct operations thereon. Conditions of approval, if any, are attached.	legaloreq	uitable title to those right	ts in the sub	ject lease which would e	entitle the applicant to

(Continued on page 2)

AUTROPHED APS SHE COTTO COMPLIANCE VICTH AT INCHED "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

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)

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





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

END-OF-LATERAL 1872' FNL 930' FWL SEC 23, T22N, F7W LAT: 36,126742'N LONG: 107.552140'W DATUM: NAD1927

LAT: 36.126757 'N LONG: 107.552747 'W DATUM: NAD1983

POINT-OF-ENTRY 978 ' FSL ' 1894 ' FEL SEC 23, T22N, R7W LAT: 36,118279 'N LONG: 107,542133 'W DATUM: NAD1927

LAT: 36.118294 N LONG: 107.542739 W DATUM: NAD1983

SURFACE LOCATION 494' FNL 1239' FEL SEC 26, T22N, R7W LAT: 36,115875'N LONG: 107.539980'W DATUM: NAD1927

LAT: 36.115891 N LONG: 107.540586 W DATUM: NAD1983 State of New Mexico Energy, Minarals & Natural Resources Department

OIL CONSERVATION DIVISION 1220 South St. Francis Drive Santa Fe, NM 87505 Form C-102 Revised August 1, 2011

Submit one copy to Appropriate District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

30.06	API Number	0132	4	*Pool Coo 52860		AUS	*Pool Nam		
Property	Cade		/)		Propert S ESCAVA	y Name DA UNIT			1e11 Number 355H
70GRID 1 12078	38.4	2286		WPX	*Operator	r Name RODUCTION, LL	d Emu	rins)	Elevation 6779'
			1 1 1 1 1 1		¹⁰ Surface	Location		0	
UL or lot no.	Section 26	Township 22N	Range 7W	Lot Idn	Feet from the	North/South line	Feet from the	EAST	SANDOVAL
		1	1 Botto	m Hole	Location I	f Different	From Surfac	e	
L or lot no.	Section 23	22N	Range 7W	Lot Idn	Feet from the 1872	North/South 11ne NORTH	Feet from the 330	East/West line WEST	SANDOVAL
SE/4 SW/	0.00 S	SW/4 NW 4 SE/4	/4, N/ - Sect	2 SW/4 ion 23	Doint or Infill	¹⁴ Consolidation Code	15 Order No.	-14347	4

(RECORD) N89 "45"W 2614,26" N89 "00" (14"W 2613.00" (MEASURED) (RECORD) N89 *45 W 2514,26 N88 '59'15"W 2612.55' (MEASURED) 16 NO1 19 27 'E 2659.97' NO 35 E 2660.46' (RECORD) NO 49 31 E 2657.68 (MEASURED) NO '04 E 2550.13 1872 NO "04 E 2660.13 'NO "49"31"E 2657.58 'NO "49"31"E 2657.58 'NO "49"31"E 2657.58 'NEASURED) (MEASURED) NO1*19'28'E 2659.97' NO*35'E 2660.46* (RECORD) *56'44"W 2589,61" (MEASURED) NBB "55" 44" N 2589.61" NB9 "40" W 2590.17" (RECORD) (RECORD) NB9 *40 W 2590.17 1894 378' NO2 *31 E .2662.77* NO2 *28 *48 *E .2663.67** MEASURED) N35°14.5W 494 NO2 35 35 TE 2662 24 NO1 35 TE 2661.78 (RECORD) 1239 NOS 26 NO2 "31 E 2652,77" (O2 "28 48 "E 2653.67" (MEASURED) NO2 "35" SE 2662.24" NO1 "52" E 2661.78" NOS (MEASURED) N89 '02'07'1V 2546.19' N89 '40'W 2622.18' (RECORU) (MEASURED) N88 "55"36"W 2622.63" N89"40"W 2622.18" (RECORD)

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 compensory pooling order heretofore entered by the division.

2/25/18 2/25/18 Lacey Granillo Date Printed Name lacey.granillo@wpxenergy.com E-mail 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 und my supervision, and that the same is true and correct to the best of my belief. Date Revised: FEBRUARY 21, 2018 Date of Survey: JULY 6, 2017 Signature and Seal of Professional Surveyor EDWARDS JASON C. MEXICO EN ABSISTERED! SAMENOR APOFESSIONAL ASON DWARDS Certificate Number 15269

Mavayo Surface



WPX Energy

Operations Plan

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

Date:

February 27, 2018

Field:

Rusty Gallup Oil Pool

Well Name:

S Escavada Unit #355H

Surface:

BLM

SH Location:

NENE Sec 26 22N-07W

Elevation: 6,779'

BH Location:

SWNW Sec 23 22N-07W

Minerals:

IA

Measured Depth:

9,530'

I. GEOLOGY

Surface formation - NACIMIENTO

A. FORMATION TOPS: (KB)

NAME	MD	TVD	NAME	MD	TVD
Ojo Alamo	554	554	Mancos	3707	3695
Kirtland	772	771	Gallup	3998	3985
Picture Cliffs	1157	1155			
Lewis	1212	1210	KICKOFF POINT	4169	4155
Chacra	1497	1493	LANDING POINT	5115	4740
Cliff House	2600	2592	TOP TARGET	5006	4730
Menefee	2630	2622	10 C 20 C 20 C 20 C	100	
Point Lookout	3434	3423	TD	9530	4760

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'	9.625"	36 LBS	J-55 or equiv	STC
INTERMEDIATE	8.75"	5115'	7"	23 LBS	J-55 or equiv	LTC
PRODUCTION	6.125"	4965' - 9530'	4.5"	11.6 LBS	P-110 or equiv	LTC
TIE BACK	6.125"	Surf 4965'	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 utalized 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 opend 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, 28.0 bbls, 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/ 28.0 Bbls). TOC at Surface.

2. Intermediate:

Spacer #1: 20 bbl (112 cuft) Chemwash. Lead Cement: 113 bbls, 325 sks, (634 cuft), 12.3 ppg @ 1.97 cuft/sk yield. Tail Cement: 105 bbls, 452 sks, (587 cuft), 13.5 ppg @ 1.3 cuft/sk yield. Displacement: Displace w/ +/- 202 bbl Drilling mud or water. Total Cement: 217 bbls, 777 sks, (1221 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 (425 sx /578 cuft /103 bbls). Tail Spacer: 20 BBL of MMCR.
Displacement: Displace w/ +/-104bbl Fr Water.

Total Cement: 103 bbls, 425 sks, (578 cuft)

D. COMPLETION:

Run CCL for perforating

A. PRESSURE TEST:

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

B. STIMULATION:

- 1. Stimulate with approximately 1,000#/ft 20/40 mesh sand and \pm 200' stage interval for full lateral length of the well with water and N2. Isolate stages with flow through frac plug.
- 3. Drill out frac plugs and flowback lateral.

C. RUNNING TUBING:

1. <u>Production Tubing:</u> 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

Sandovall County, NM 3003 West S Escavada UT 355 Pad S Esacavada UT 355H

Wellbore #1

Plan: Plan #1

Standard Planning Report

19 February, 2018



Planning Report

Database: Company: Grand Junction District

WPX Energy

Project: Site: Well:

Sandovall County, NM 3003 West S Escavada UT 355 Pad

Wellbore: Design:

Wellbore #1

Plan #1

S Esacavada UT 355H

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well S Esacavada UT 355H

GL 6779 + KB 21 = @ 6800.00usft GL 6779 + KB 21 = @ 6800.00usft

True

Minimum Curvature

Project

Sandovall County, NM 3003 West

Map System: Geo Datum:

US State Plane 1927 (Exact solution) NAD 1927 (NADCON CONUS)

System Datum:

Mean Sea Level

Map Zone:

New Mexico West 3003

Site

From:

S Escavada UT 355 Pad

Site Position:

Lat/Long

Northing: Easting:

1,861,549.85 usft 586,645.28 usft

Latitude:

Longitude:

36.115875 -107.539980

Position Uncertainty:

0.00 usft

Slot Radius:

13-3/16 "

Grid Convergence:

0.17°

Well

S Esacavada UT 355H

Well Position +N/-S

0.00 usft +E/-W

0.00 usft

Northing: Easting:

2/16/2018

1.861.549.85 usft 586,645.28 usft Latitude: Longitude:

36.115875 -107.539980

Position Uncertainty

0.00 usft

HDGM

Wellhead Elevation:

0.00 usft

Ground Level:

62.82

6,779.00 usft

Wellbore

Wellbore #1

Magnetics

Model Name

Plan #1

Sample Date

Declination (°) 8.92

Dip Angle (°)

Field Strength

(nT)

49,432

Design

Audit Notes:

Version:

Phase:

PLAN

Tie On Depth:

0.00

Vertical Section:

Depth From (TVD)

+N/-S (usft) +E/-W (usft) 0.00

(usft) 0.00

0.00

Direction (°) 316.19

easured Depth (usft)	Inclination (°)	Azimuth (°)	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	
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
652.33	5.05	339.47	652.00	10.40	-3.89	2.00	2.00	0.00	339.47	
4,169.14	5.05	339.47	4,155.18	300.11	-112.39	0.00	0.00	0.00	0.00	
5,114.76	89.74	316.19	4,740.00	770.00	-535.00	9.00	8.96	-2.46	-23.37	
9,529.54	89.74	316.19	4.760.00	3,955.91	-3,591,13	0.00	0.00	0.00	90.24	SEU355H BHL

Planning Report

Database: Company: **Grand Junction District**

WPX Energy

Sandovall County, NM 3003 West

Project: Site: Well:

S Escavada UT 355 Pad S Esacavada UT 355H

Wellbore: Design: Wellbore #1 Plan #1 Local Co-ordinate Reference:

TVD Reference:

North Reference: Survey Calculation Method: Well S Esacavada UT 355H

GL 6779 + KB 21 = @ 6800.00usft GL 6779 + KB 21 = @ 6800.00usft

True

PI	an	ne	d	Su	rv	ey

Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Vertical Section	Dogleg Rate	Build Rate	Turn Rate
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	2.00	339.47	499.98	1.63	-0.61	1.60	2.00	2.00	0.00
554.07	3.08	339.47	554.00	3.88	-1.45	3.80	2.00	2.00	0.00
Ojo Alamo		555.17	ECHOL FAIR						
600.00	4.00	339.47	599.84	6.54	-2.45	6.41	2.00	2.00	0.00
652.33	5.05	339.47	652.00	10.40	-3.89	10.20	2.00	2.00	0.00
700.00	5.05	339.47	699.49	14.33	-5.37	14.05	0.00	0.00	0.00
771.79	5.05	339.47	771.00	20.24	-7.58	19.85	0.00	0.00	0.00
Kirtland		000.47	700.10	60.50	0.45	00.10	0.00	0.00	0.00
800.00	5.05	339.47	799.10	22.56	-8.45	22.13	0.00	0.00	0.00
900.00	5.05	339.47	898.71	30.80	-11.54	30.21	0.00	0.00	0.00
1,000.00	5.05	339.47	998.33	39.04	-14.62	38.29	0.00	0.00	0.00
1,100.00	5.05	339.47	1,097.94	47.28	-17.71	46.37	0.00	0.00	0.00
1,157.28	5.05	339.47	1,155.00	52.00	-19.47	51.00	0.00	0.00	0.00
Picture Cliffs									
1,200.00	5.05	339.47	1,197.55	55.52	-20.79	54.45	0.00	0.00	0.00
1,212.50	5.05	339.47	1,210.00	56.55	-21.18	55.46	0.00	0.00	0.00
Lewis									
1,300.00	5.05	339.47	1,297.16	63.75	-23.88	62.54	0.00	0.00	0.00
1,400.00	5.05	339.47	1,396.78	71.99	-26.96	70.62	0.00	0.00	0.00
1,496.60	5.05	339.47	1,493.00	79.95	-29.94	78.42	0.00	0.00	0.00
Chacra		000.11	1,100.00	10.00	20.01	70.12			
1,500.00	5.05	339.47	1,496.39	80.23	-30.04	78.70	0.00	0.00	0.00
1,600.00	5.05	339.47	1,596.00	88.47	-33.13	86.78	0.00	0.00	0.00
1,700.00	5.05	339.47	1,695.61	96.70	-36.21	94.86	0.00	0.00	0.00
1,800.00	5.05	339.47	1,795.23	104.94	-39.30	102.94	0.00	0.00	0.00
1,900.00	5.05	339.47	1,894.84	113.18	-42.38	111.02	0.00	0.00	0.00
2,000.00	5.05	339.47	1,994.45	121.42	-45.47	119.10	0.00	0.00	0.00
2,100.00	5.05	339.47	2,094.06	129.66	-48.55	127.18	0.00	0.00	0.00
2,200.00	5.05	339.47	2,193.67	137.89	-51.64	135.26	0.00	0.00	0.00
2,300.00	5.05	339.47	2,293.29	146.13	-54.72	143.34	0.00	0.00	0.00
2,400.00	5.05	339.47	2,392.90	154.37	-57.81	151.42	0.00	0.00	0.00
2,500.00	5.05	339.47	2,492.51	162.61	-60.89	159.50	0.00	0.00	0.00
2,599.88	5.05	339.47	2,592.00	170.83	-63.98	167.57	0.00	0.00	0.00
Cliff House									
2,600.00	5.05	339.47	2,592.12	170.84	-63.98	167.58	0.00	0.00	0.00
2,629.99	5.05	339.47	2,622.00	173.32	-64.90	170.00	0.00	0.00	0.00
Menefee									
2,700.00	5.05	339.47	2,691.74	179.08	-67.06	175.66	0.00	0.00	0.00
2,800.00	5.05	339.47	2,791.35	187.32	-70.15	183.74	0.00	0.00	0.00
2,900.00	5.05	339.47	2,890.96	195.56	-73.23	191.82	0.00	0.00	0.00
		339.47	2,890.96	203.80	-75.23 -76.32	199.90	0.00	0.00	0.00
3,000.00 3,100.00	5.05 5.05	339.47	3,090.19	212.03	-76.32 -79.40	207.98	0.00	0.00	0.00
3,200.00	5.05	339.47	3,189.80	220.27	-82.49	216.06	0.00	0.00	0.00
3,300.00	5.05	339.47	3,289.41	228.51	-85.57	224.14	0.00	0.00	0.00
3,400.00	5.05	339.47	3,389.02	236.75	-88.66	232.22	0.00	0.00	0.00
3,434.11	5.05	339.47	3,423.00	239.56	-89.71	234.98	0.00	0.00	0.00
Point Lookou									
3,500.00	5.05	339.47	3,488.64	244.98	-91.74	240.30	0.00	0.00	0.00

Planning Report

Database: Company: **Grand Junction District**

WPX Energy

Project: Site:

Well:

Sandovall County, NM 3003 West

S Escavada UT 355 Pad S Esacavada UT 355H

Wellbore: Wellbore #1
Design: Plan #1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well S Esacavada UT 355H

GL 6779 + KB 21 = @ 6800.00usft GL 6779 + KB 21 = @ 6800.00usft

True

ned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,600.00	5.05	339.47	3,588.25	253.22	-94.83	248.38	0.00	0.00	0.00
3,700.00	5.05	339.47	3,687.86	261.46	-97.91	256.46	0.00	0.00	0.00
3,707.17	5.05	339.47	3,695.00	262.05	-98.13	257.04	0.00	0.00	0.00
	5.05	339.47	3,695.00	202.03	-90.13	257.04	0.00	0.00	0.00
Mancos									
3,800.00	5.05	339.47	3,787.47	269.70	-101.00	264.54	0.00	0.00	0.00
3,900.00	5.05	339.47	3,887.08	277.94	-104.08	272.62	0.00	0.00	0.00
3,998.30	5.05	339.47	3,985.00	286.03	-107.12	280.57	0.00	0.00	0.00
Gallup									
4,000.00	5.05	339.47	3,986.70	286.17	-107.17	280.70	0.00	0.00	0.00
4,100.00	5.05	339.47	4,086.31	294.41	-110.25	288.78	0.00	0.00	0.00
4,169.14	5.05	339.47	4,155.18	300.11	-112.39	294.37	0.00	0.00	0.00
4,200.00	7.68	331.20	4,185.85	303.18	-113.86	297.61	9.00	8.52	-26.81
4,200.15	7.68	331.20	4,186.00	303.20	-113.87	297.63	0.00	0.00	0.00
Gallup Uppe	r								
4,250.00	12.08	325.57	4,235,10	310.43	-118.42	306.00	9.03	8.83	-11.28
4,300.00	16.53	322.94	4,283.54	320.42	-125.67	318.23	9.00	8.91	-5.27
4,350.00	21.00	321.40	4,330.87	333.11	-135.55	334.22	9.00	8.95	-3.08
4,400.00	25.49	320.38	4,376.80	348.40	-148.01	353.89	9.00	8.96	-2.03
4,450.00	29.97	319.65	4,421.04	366.22	-162.96	377.09	9.00	8.97	-1.46
4,500.00	34.46	319.10	4,463.33	386.44	-180.32	403.70	9.00	8.98	-1.11
4,550.00	38.96	318.66	4,503.41	408.94	-199.98	433.55	9.00	8.98	-0.88
4,550.76	39.02	318.65	4,504.00	409.30	-200.29	434.03	9.00	8.99	-0.79
Mancos Lwr									
4,576.95	41.38	318.45	4,524.00	421.97	-211.48	450.92	9.00	8.99	-0.75
El Vado									
Li vauo									
4,600.00	43.45	318.29	4,541.02	433.59	-221.81	466.45	9.00	8.99	-0.69
4,650.00	47.94	317.99	4,575.93	460.23	-245.69	502.20	9.00	8.99	-0.61
4,700.00	52.44	317.72	4,607.94	488.70	-271.45	540.59	9.00	8.99	-0.53
4,728.85	55.03	317.58	4,625.00	505.89	-287.13	563.84	9.00	8.99	-0.48
Frac Barrier	- Mancos Unc								
4,750.00	56.93	317.48	4,636.83	518.82	-298.96	581.36	9.00	8.99	-0.46
4,800.00	61.43	317.27	4,662.44	550.41	-328.03	624.28	9.00	8.99	-0.43
4,850.00	65.93	317.07	4,684.60	583.27	-358.49	669.08	9.00	8.99	-0.39
4,855.94	66.46	317.05	4,687.00	587.25	-362.19	674.51	9.00	8.99	-0.38
PS 3									
4,900.00	70.42	316.89	4,703.19	617.20	-390.15	715.48	9.00	8.99	-0.36
4,938.57	73.89	316.76	4,715.00	643.96	-415.26	752.18	9.00	8.99	-0.35
PS2									
	-12-	0:075	4710.07	051.00	400.00	700.00	2.25	2.25	
4,950.00	74.92	316.72	4,718.07	651.98	-422.81	763.20	9.00	8.99	-0.34
5,000.00	79.42	316.55	4,729.17	687.42	-456.28	811.93	9.00	8.99	-0.33
5,050.00	83.92	316.39	4,736.42	723.28	-490.34	861.39	9.00	8.99	-0.32
5,100.00	88.41	316.24	4,739.76	759.35	-524.79	911.27	9.00	8.99	-0.32
5,114.76	89.74	316.19	4,740.00	770.00	-535.00	926.03	9.00	8.99	-0.31
5,200.00	89.74	316.19	4,740.39	831.51	-594.01	1,011.27	0.00	0.00	0.00
5,260.26	89.74	316.19	4,740.66	875.00	-635.72	1,011.27	0.00	0.00	0.00
	09.74	310.19	4,740.00	075.00	-035.72	1,071.53	0.00	0.00	0.00
7"		010.15	171001	000.00	000.00	4444.00	2.05	2.00	0.00
5,300.00	89.74	316.19	4,740.84	903.68	-663.23	1,111.26	0.00	0.00	0.00
5,400.00	89.74	316.19	4,741.29	975.84	-732.46	1,211.26	0.00	0.00	0.00
5,500.00	89.74	316.19	4,741.75	1,048.00	-801.69	1,311.26	0.00	0.00	0.00
5,600.00	89.74	316.19	4,742.20	1,120.17	-870.91	1,411.26	0.00	0.00	0.00
5,700.00	89.74	316.19	4,742.65	1,192.33	-940.14	1,511.26	0.00	0.00	0.00
5,800.00	89.74	316.19	4,742.03	1,264.49	-1,009.36	1,611.26	0.00	0.00	0.00
0,000.00	03.74	510.13	7,740.10	1,204.43	1,000.00	1,011.20	0.00	0.00	0.00

Planning Report

Database: Company: **Grand Junction District**

WPX Energy

Sandovall County, NM 3003 West

Project: Site: Well:

S Escavada UT 355 Pad S Esacavada UT 355H

Wellbore: Wellbore #1
Design: Plan #1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:

North Reference: Survey Calculation Method: Well S Esacavada UT 355H

GL 6779 + KB 21 = @ 6800.00usft GL 6779 + KB 21 = @ 6800.00usft

True

esign:	Plan #1								
Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,000.00	89.74	316.19	4,744.01	1,408.82	-1,147.82	1,811.26	0.00	0.00	0.00
6,100.00	89.74	316.19	4.744.46	1,480,98	-1.217.04	1,911.26	0.00	0.00	0.00
6,200.00	89.74	316.19	4,744.92	1,553.15	-1,286.27	2,011.26	0.00	0.00	0.00
6,300.00	89.74	316.19	4,745.37	1,625.31	-1,355.49	2,111.25	0.00	0.00	0.00
6,400.00	89.74	316.19	4,745.82	1,697.48	-1,424.72	2,211.25	0.00	0.00	0.00
6,500.00	89.74	316.19	4,746.28	1,769.64	-1,493.94	2,311.25	0.00	0.00	0.00
6,600.00	89.74	316.19	4,746.73	1,841.80	-1,563.17	2,411.25	0.00	0.00	0.00
6,700.00	89.74	316.19	4,747.18	1,913.97	-1,632.39	2,511.25	0.00	0.00	0.00
6,800.00	89.74	316.19	4,747.63	1,986.13	-1,701.62	2,611.25	0.00	0.00	0.00
6,900.00	89.74	316.19	4,748.09	2,058.30	-1,770.84	2,711.25	0.00	0.00	0.00
7,000.00	89.74	316.19	4,748.54	2,130.46	-1,840.07	2,811.25	0.00	0.00	0.00
7,100.00	89.74	316.19	4,748.99	2,202.62	-1,909.29	2,911.25	0.00	0.00	0.00
7,200.00	89.74	316.19	4,749.45	2,274.79	-1,978.52	3,011.25	0.00	0.00	0.00
7,300.00	89.74	316.19	4,749.90	2,346.95	-2,047.74	3,111.24	0.00	0.00	0.00
7,400.00	89.74	316.19	4,750.35	2,419.12	-2,116.97	3,211.24	0.00	0.00	0.00
7,500.00	89.74	316.19	4,750.81	2,491.28	-2,186.19	3,311.24	0.00	0.00	0.00
7,600.00	89.74	316.19	4,751.26	2,563.45	-2,255.42	3,411.24	0.00	0.00	0.00
7,700.00	89.74	316.19	4,751.71	2,635.61	-2,324.64	3,511.24	0.00	0.00	0.00
7,800.00	89.74	316.19	4,752.16	2,707.78	-2,393.87	3,611.24	0.00	0.00	0.00
7,900.00	89.74	316.19	4,752.62	2,779.94	-2,463.09	3,711.24	0.00	0.00	0.00
8,000.00	89.74	316.19	4,753.07	2,852.11	-2,532.32	3,811.24	0.00	0.00	0.00
8,100.00	89.74	316.19	4,753.52	2,924.27	-2,601.54	3,911.24	0.00	0.00	0.00
8,200.00	89.74	316.19	4,753.98	2,996.44	-2,670.76	4,011.23	0.00	0.00	0.00
8,300.00	89.74	316.19	4,754.43	3,068.60	-2,739.99	4,111.23	0.00	0.00	0.00
8,400.00	89.74	316.19	4,754.88	3,140.77	-2,809.21	4,211.23	0.00	0.00	0.00
8,500.00	89.74	316.19	4,755.34	3,212.93	-2,878.44	4,311.23	0.00	0.00	0.00
8,600.00	89.74	316.19	4,755.79	3,285.10	-2,947.66	4,411.23	0.00	0.00	0.00
8,700.00	89.74	316.19	4,756.24	3,357.26	-3,016.89	4,511.23	0.00	0.00	0.00
8,800.00	89.74	316.19	4,756.70	3,429.43	-3,086.11	4,611.23	0.00	0.00	0.00
8,900.00	89.74	316.19	4,757.15	3,501.59	-3,155.33	4,711.23	0.00	0.00	0.00
9,000.00	89.74	316.19	4,757.60	3,573.76	-3,224.56	4,811.23	0.00	0.00	0.00
9,100.00	89.74	316.19	4,758.05	3,645.92	-3,293.78	4,911.23	0.00	0.00	0.00
9,200.00	89.74	316.19	4,758.51	3,718.09	-3,363.00	5,011.22	0.00	0.00	0.00
9,300.00	89.74	316.19	4,758.96	3,790.26	-3,432.23	5,111.22	0.00	0.00	0.00
9,400.00	89.74	316.19	4,759.41	3,862.42	-3,501.45	5,211.22	0.00	0.00	0.00
9,500.00	89.74	316.19	4,759.87	3,934.59	-3,570.67	5,311.22	0.00	0.00	0.00
9,529.54	89.74	316.19	4,760.00	3,955.91	-3,591.13	5,340.77	0.00	0.00	0.00

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle	Dip Dir.	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SEU355H POE - plan misses targe - Point	0.00 t center by 0.68	0.00 Busft at 5262	4,740.00 2.98usft MD (876.90 4740.67 TVD	-637.67 , 876.96 N, -63	1,862,424,82 37.61 E)	586,004.97	36.118284	-107.542139
SEU355H BHL - plan hits target ce - Point	0.00 nter	0.00	4,760.00	3,955.91	-3,591.13	1,865,494.90	583,042.23	36.126742	-107.552140

Planning Report

Database: Company: Grand Junction District

WPX Energy

Project: Sandovall County, NM 3003 West

5,260.26

Site: Well: S Escavada UT 355 Pad S Esacavada UT 355H

4,740.66 7"

Wellbore: Wellbore #1
Design: Plan #1

Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference: Survey Calculation Method: Well S Esacavada UT 355H

GL 6779 + KB 21 = @ 6800.00usft GL 6779 + KB 21 = @ 6800.00usft

8-3/4

True

Casing Points					
	Measured	Vertical		Casing	Hole
	Depth	Depth		Diameter	Diameter
	(usft)	(usft)	Name	(")	(")

Measured Depth (usft)	Vertical Depth (usft)		Name		Lithology		Dip (°)	Dip Direction (°)	
554.07	551.00	Ojo Alamo		THE CONTROLLER VEHICLE VIOLEN		na ecoeco de recosar de Delecco Colo			
771.79	768.00	Kirtland							
1,157.28	1,152.00	Picture Cliffs							
1,212.50	1,207.00	Lewis							
1,496.60	1,490.00	Chacra							
2,599.88	2,589.00	Cliff House							
2,629.99	2,619.00	Menefee							
3,434.11	3,420.00	Point Lookout							
3,707.17	3,692.00	Mancos							
3,998.30	3,982.00	Gallup							
4,200.15	4,183.00	Gallup Upper							
4,550.76	4,501.00	Mancos Lwr							
4,576.95	4,521.00	El Vado							
4,728.85	4,622.00	Frac Barrier							
4,728.85	4,622.00	Mancos Unc							
4,855.94	4,684.00	PS 3							
4,938.57	4,712.00	PS2							

4.6 Construction Material

Construction material would consist of native material at the site locations. All features would be built with a balanced cut and fill, such that all material would be native. Topsoil would be stripped and placed as a berm along the outer edge of the pad or as a windrow along the edge of the access and/or well-connect pipeline corridor. Topsoil would be stored separately and protected for use during interim reclamation. Subsoil horizons from cuts would be used as fill material to establish a level working surface, and to construct earthen berms where necessary.

Sandstone would be used as surfacing material along the road if natural occurring binding material is not present in sufficient amounts within the existing soil and subsoil. If sandstone is needed for surfacing, the sandstone would be retrieved from a permitted location.

WPX would likely need to permit the expansion of existing rock quarry pits in the area to provide surfacing materials for construction. If a new rock quarry pit is needed and identified, WPX would pursue permitting as a separate action.

Construction and maintenance activities would cease if soil or road surfaces become saturated to the extent that construction equipment is unable to stay within the project area and/or when activities cause irreparable harm to roads, soils, or streams.

4.7 Waste

4.7.1 Cuttings

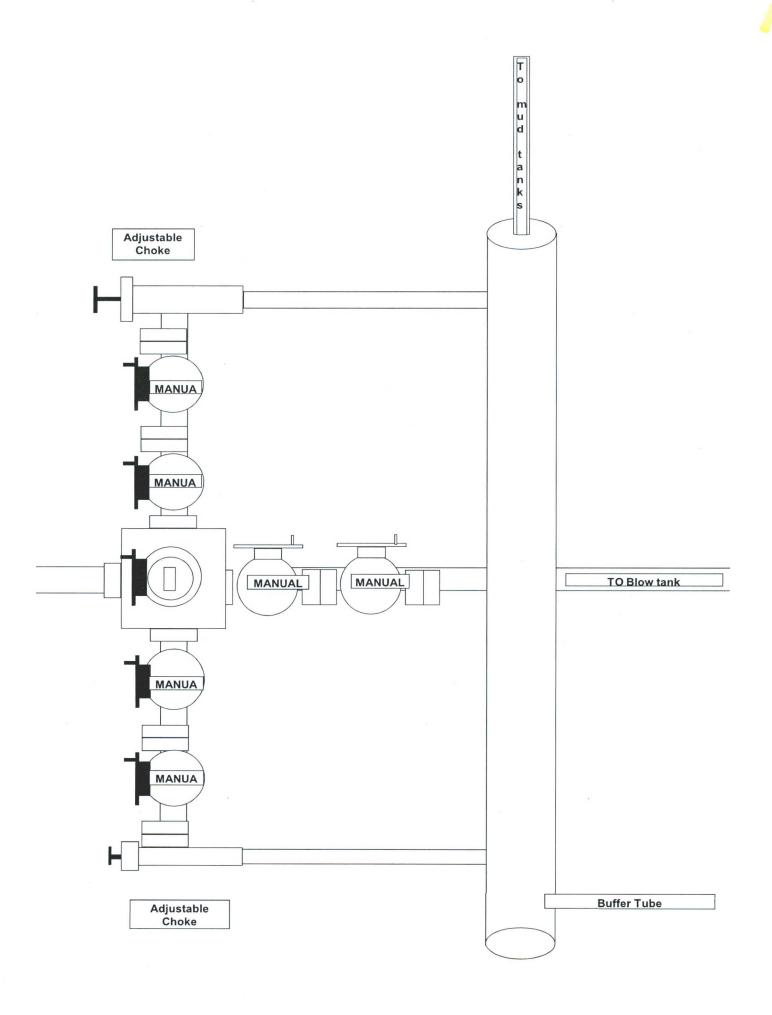
Drilling operations would utilize a closed-loop system. Drilling of the horizontal laterals would be accomplished with water-based mud. All cuttings would be placed in roll-off bins and hauled to a commercial disposal facility or land farm. WPX would follow Onshore Oil and Gas Order No. 1 regarding the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

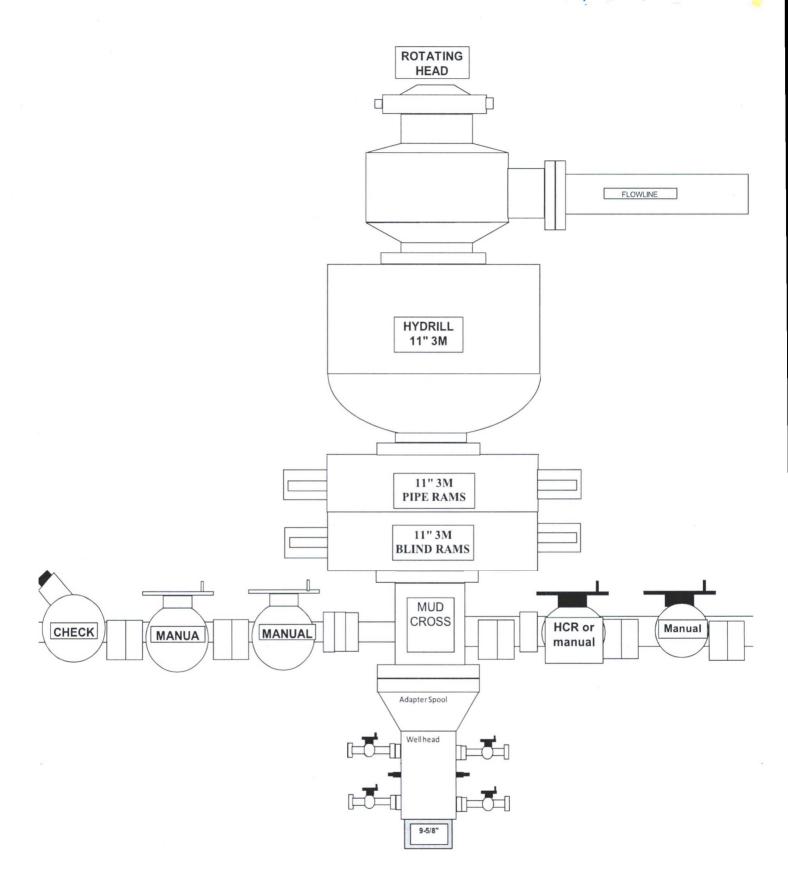
4.7.2 Drilling Fluids

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

4.7.3 Spills

Upon discovery of a spill of oil, gas, or any other potentially hazardous substance, actions would be implemented to stop the release source and secure the site, unless the action could result in a threat to personal or public safety. Spill notifications would be made according to applicable federal and state regulations. Appropriate measures for cleanup would be implemented, and the spill remediated in accordance with applicable federal and state regulations.





Directions from the Intersection of US Hwy 550 & US Hwy 64 in Bloomfield, NM to WPX Energy Production, LLC S Escavada Unit #355H 494' FNL & 1239' FEL, Section 26, T22N, R7W, N.M.P.M., Sandoval County, NM

Latitude: 36.115891°N Longitude: 107.540586°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 4.6 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 0.4 miles to fork in roadway;
- Go Right (Westerly) which is straight for 0.9 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 Straight (Southerly) for 1.9 miles to fork in roadway;
- Go Left (Southerly) which is straight for 0.4 miles to 4-way intersection;
- Go Straight (Southerly) for 0.3 miles to begin WPX S Escavada Unit #350H proposed access on left-hand side of existing roadway;
- Go Left (Southerly) which is straight following along proposed WPX S Escavada Unit #350H access for 2467.4' to fork in proposed roadway;
- Go Left (Easterly) following along proposed WPX S Escavada Unit #352H access for 2484.2' to fork in proposed roadway;
- Go Left (Easterly) continuing for an additional 2886.1' to staked WPX S Escavada Unit #355H location.