State of New Mexico Energy, Minerals and Natural Resources Department

Susana Martinez Governor
Ken McQueen Cabinet Secretary

Heather Riley, Division Director Oil Conservation Division

Matthias Sayer Deputy Cabinet Secretary

New Mexico Oil Conservation Division approval and conditions listed

below are made in accordance with OCL actions approved by BLM on		
	nd Number 5. ESCO	
API#36.043.21319, Section 21	O Township 22 NyS, R	angeENW
Conditions of Approval: (See the below che Notify Aztec OCD 24hrs prior to casing Hold C-104 for directional survey & "A Hold C-104 for NSL, NSP, DHC	g & cement.	nditions)
 Spacing rule violation. Operator must to be shut in or abandoned 	follow up with change of stat	tus notification on other well
 Regarding the use of a pit, closed loop with the following as applicable: 	system or below grade tank,	the operator must comply
 A pit requires a complete C-14- use of the pit, pursuant to 19.15 		prior to the construction or
A closed loop system requires a	notification prior to use, purs	uant to 19.15.17.9.A
 A below grade tank requires a below grade tank, pursuant to 1 		he construction or use of the
 Once the well is spud, to prevent groun from the surface, the operator shall dril zones and shall immediately set in cem 	l without interruption through	h the fresh water zone or
o Submit Gas Capture Plan form prior to	spudding or initiating recom	pletion operations
✓ Regarding Hydraulic Fracturing, review	v EPA Underground Injectio	n Control Guidance 84
Oil base muds are not to be used until f isolation from the oil or diesel. This incomplete solids must be contained in a steel close	cludes synthetic oils. Oil base	
Well-bore communication is regulated Communication to be reported in accor		â
Charle Hose	7-20-2018	APD held for Unitapproval
NMOCD Approved by Signature	Date	- all agencies

Form 3160 -3 (March 2012)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

MMOCO 2018

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

5.	Lease	Serial	No.	
100	1312	1823	4	

5 If Indian Allotee or Tribe N

APPLICATION FOR PERMIT TO I	DRILL	OR REENTER\S\	10	EASTERN NAVAJ	7000	Name
la. Type of work: DRILL REENTE	R			7. If Unit or CA Agre	eement, Na	ame and No.
lb. Type of Well: Oil Well Gas Well Other		Single Zone Multip	ole Zone	8. Lease Name and S ESCAVADA UN		
Name of Operator WPX ENERGY LLC			K	9. API Well No.	3-2	1319
3a. Address 720 S Main Aztec NM 87410		ne No. (include area code) 33-1822		10. Field and Pool, or MANCOS / RUST		,
 Location of Well (Report location clearly and in accordance with any At surface) SENW / 1713 FNL / 2371 FWL / LAT 36.1125 At proposed prod. zone NESE / 2329 FSL / 539 FEL / LAT 3 	63 / LO	NG -107.546028	2	11. Sec., T. R. M. or F SEC 26 / T22N / R		
14. Distance in miles and direction from nearest town or post office* 53.6 miles				12. County or Parish SANDOVAL		13. State NM
15. Distance from proposed* location to nearest 1713 feet property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No. 160	of 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.	The state of the s			MBIA Bond No. on file 3001576		
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6776 feet	22. App 04/01.	proximate date work will star /2018	rt*	23. Estimated duration 45 days		
		Attachments				
 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). e 5. Operator certific	ne operation	is form: ns unless covered by ar ormation and/or plans a		
25. Signature (Electronic Submission)		ame (Printed/Typed) acey Granillo / Ph: (505	5)333-181	6	Date 02/27/	2018
Title Permitting Tech III	,					
Approved by (Signature) Title		ffice (Printed/Typed)			Date 5	19/18
AFM	F	ARMINGTON				
Application approval does not warrant or certify that the applicant holds conduct operations thereon. Conditions of approval, if any, are attached.	s legal or	equitable title to those right	ts in the sub	gect lease which would	entitle the	applicant to

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)

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 *(Instructions on page 2)

This action is subject to technical and procedural review pursuant to 43 CFR 3 85.3 and appeal 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

State of New Mexico Energy, Minerals & Natural Resources Department Form C-102 Revised August 1, 2011

Submit one copy to Appropriate District Office

AMENDED REPORT

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

			WELL L	OCATIO	ON AND AC	REAGE DEDI	CATION PLA	T			
.,	API Numbe	٢		*Pool Co	de	e Pool Name					
30-04	3-2	1379		52860)	RUSTY GALLUP OIL POOL					
*Property	Code				Propert	y Name	, h	Well Number			
322	151				S ESCAVA	,		354H			
'OGRID	No.				"Operato	ir Name	10	1.	Elevation		
12078	120782 (372) WPX ENERGY PRODUCTION, LLC (SMULLING) 6776								6776		
					10 Sunface	Location		0			
UL or lot no.	Section	Township	Nange	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
F	26	25N	7W		1713	NORTH	2371	WEST	SANDOVAL		
Tree bar		1	1 Botto	m Hole	Location :	If Different	From Surfac	е			
UL or lat no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
I	55	55N	7W		2329	SOUTH	539	EAST	SANDOVAL		
² Dedicated Acres 200.00 NE/4 SE/4 - Section 22 NW/4 SW/4, S/2 SW/4 - Section 23			13 Joint or Infill	¹⁴ Consolidation Code	P-0rder No. R-14347						
NW/4 5W,	NE/4	1 NW/4	- Sect:	ion 23			NO TO	ALLOWABLE W	ILL BE ASSI		

(RECORD) NB8 *11 W 2617.23 * NB7 *24 '56 "W 2616.03 * (MEASURED) INTERESTS HAVE BEEN CONSOLIDATED (RECORD) NBB *11 W 2617.23 (RECORD) (RECORD) N89 *45 W 2614.26 OR A NON-STANDARD UNIT HAS N89 *45 W 2614.26 N88 *59 15 W 2612.55 (MEASURED) N87 *25 '30 'W 2616.94' (NEASURED) BEEN APPROVED BY THE DIVISION 16 NB9 *00 '14"W 2613.00 ' (MEASURED) 62 END-OF-LATERAL 2329 ' FSL 539 ' FEL SEC 22, T22N, R7W LAT: 36.123736 'N LONG: 107.555086 'W DATUM: NAD1927 23 W 2640.00 (RECORD) (MEASURED) 49 31 °E 2657.68° 40 °04 °E 2650.13° (RECORD) OPERATOR CERTIFICATION (MEASURED) 3.12"W 2639.E Thereby 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 complisory pooling order herefore eftered in the division. 97 NO1*19 27 E 2659.97 NO *35 E 2660.46* (RECORD) 38 LAT: 36.123752 N LONG: 107.555692 W DATUM: NAD1983 NO1 9 8 8 539 23 2/25/18 (MEASURED) (MEASURED) NO1 19 28 'E 2659.97 ' NO "35 E 2660.46 ' (RECORD) 21 E 2644.62 (RECORD) NO *49 '31 E 2657.68 Signatur Lacey Granillo NO *04 E 2660.13 New 30, 74, 36 27,0. Printed Name lacey.granillo@wpxenergy.com 2329 E-mail Address (MEASURED) N88 '56 '44"W 2589.61 9 NOT SURVEYOR CERTIFICATION (MEASURED) N87 '02'49"W 2591.06' N89 *40 W 2590.17 (RECORD) I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or undw supervision, and that the same is true and correct to the best of my belief. NB7 *50 W 2590.50 (RECORD) -1 (MEASURED) 57 58 TE 2705.78 (MEASURED) N87 '03'20"W 2588.86 (MEASURED) N88 *56 '44"W 2589,61 99 NO2°542W NO2 "35" TE 2662.24" NO1 "52" E 2661.78" (PECORD) N87 *50 W 2590.50 (RECORD) NO3 11 E 2706. N89 *40 W 2590.17 (RECORD) Date Revised: FEBRUARY 21, 2018 Date of Survey: JUNE 6, 2017 Signature and Seal of Professional Surveyor (MEASURED) EDWARDS NO2 '28 '48 E 2663.67 NO3 JASON 2371 C. NO2 *31 E 2562.77 (RECORD) MEXICO JEW 26 NO3 57 37 E 2705 34 3-11 E 2705.66 (RECOAD) (AECCHO) NO2'31'E 2662.77 O2"28'48'E 2663.67 MEASURED) APOFESSION. POINT-OF-ENTRY 3' FNL 2210' FWL SEC 26, T22N, R7W (NEASURED) 3535'E 2662.24' 71'52'E 2661.78' (RECORD) SURFACE LOCATION 1713 ' FNL 2371 ' FWL SEC 26, T22N, R7W LAT: 36.112548 'N LONG: 107.545422 'W DATUM: NAD1927 8 SPAREN LAT: 35.117246 N LONG: 107.545793 W DATUM: NAD1927 EON. LAT: 36.117262 N LONG: 107.546399 W DATUM: NAD1983 LAT: 36.112563 'N LONG: 107.546028 'W SON NO2 DATUM: NAD1983 ASON DWARDS (MEASURED) N88 '00' 38"W 2622.88 (MEASURED) N89 *02 '07 "W 2546.19 N89 *40 W 2622.18" (MEASURED) NB7 *53 '03 "W 2697.07 ' (MEASURED) N88 '55 '36"W 2622.63 Certificate Number 15269 NBA *45 W 2623.83 (RECORD) NBB *45 W 2623.83 (RECORD)

lavajo surjace

N89 *40 W 2622.18 (RECORD)

(RECORD)



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 #354H

Surface:

SH Location:

Elevation: 6,776'

BH_Location:

SENW Sec 26 22N-07W NESE Sec 22 22N-07W

Minerals:

0

Measured Depth:

9.0531

I. GEOLOGY

Surface formation - NACIMIENTO

A. FORMATION TOPS: (KB)

NAME	MD	TVD	NAME	MD	TVD
Ojo Alamo	574	574	Mancos	3810	3670
Kirtland	769	768	Gallup	4135	3979
Picture Cliffs	1176	1166			
Lewis	1223	1212	KICKOFF POINT	4372	4204
Chacra	1527	1501	LANDING POINT	5271	4724
Cliff House	2669	2586	TOP TARGET	5271	4724
Menefee	2691	2607			
Point Lookout	3550	3423	TD ,	9053	4750

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"	5271'	7"	23 LBS	J-55 or equiv	LTC
PRODUCTION	6.125"	5121' - 9053'	4.5"	11.6 LBS	P-110 or equiv	LTC
TIE BACK	6.125"	Surf 5121'	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: 116 bbls, 334 sks, (651 cuft), 12.3 ppg @ 1.97 cuft/sk yield. Tail Cement: 108 bbls, 468 sks, (608 cuft), 13.5 ppg @ 1.3 cuft/sk yield. Displacement: Displace w/ +/- 208 bbl Drilling mud or water. Total Cement: 224 bbls, 802 sks, (1259 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 (365 sx /496 cuft /88 bbls). Tail Spacer: 20 BBL of MMCR. Displacement: Displace w/ +/-95bbl Fr Water. Total Cement: 88 bbls, 365 sks, (496 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 352 Pad S Escavada UT 354H

Wellbore #1

Plan: Plan #1

Standard Planning Report

16 February, 2018



500

-500

1000

1500

2000

2500

Vertical Section at 316.15° (1000 usft/in)

3000

3500

4000

4500

5000

5500

1500

Odessa, TX 79765

Planning Report

Database: Company: **Grand Junction District**

WPX Energy

Project:

Sandovall County, NM 3003 West

Site:

S Escavada UT 352 Pad

Well:

S Escavada UT 354H

Wellbore: Design:

Wellbore #1 Plan #1

Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference:

Survey Calculation Method:

Well S Escavada UT 354H

GL 6776 + KB 21 = @ 6797.00usft GL 6776 + KB 21 = @ 6797.00usft

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

S Escavada UT 352 Pad

Site Position:

From:

Lat/Long

Northing: Easting:

1.860.323.32 usft 585,002.85 usft Latitude: Longitude:

36.112519 -107.545553

Position Uncertainty:

0.00 usft

Slot Radius:

13-3/16 "

Grid Convergence:

0.17

Well Well Position S Escavada UT 354H

10 56 usft

HDGM

Northing: Easting:

1,860,333.99 usft 585,041.51 usft Latitude:

Longitude:

36.112548 -107.545422

Position Uncertainty

38.69 usft 0.00 usft

Wellhead Elevation:

2/15/2018

0.00 usft

Ground Level:

6,776.00 usft

Wellbore

Wellbore #1

+N/-S

+E/-W

Magnetics Model Name Sample Date

Declination (°) 8.93

Dip Angle (°)

Field Strength

(nT)

49,431

Design **Audit Notes:** Plan #1

89.61

306.50

Version:

Phase:

PLAN

Tie On Depth:

0.00

316.15

Vertical Section:

Depth From (TVD) (usft)

0.00

4,749.68

4,072.79

+N/-S (usft) 0.00

+E/-W (usft) 0.00

0.00

0.00

0.00

0.00

Direction (°)

62.82

Plan Sections

Measured Vertical Dogleg Build Turn Depth Inclination Azimuth Depth +N/-S +E/-W Rate Rate Rate TFO (usft) (usft) (usft) (usft) (°/100usft) (°/100usft) (°/100usft) (°) (°) **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 1,307.56 18.15 16.98 1,292.46 136.34 41.64 2.00 2.00 0.00 16.98 4,372.21 18.15 16.98 4,204.61 1,049.42 320.52 0.00 0.00 0.00 0.00 5,271.06 89.61 316.15 4,724.00 1,602.47 -6.10 9.00 7.95 -6.77 -62.17 6,771.06 89.61 316.15 4,734.15 2,684.09 -1,045.33 0.00 0.00 0.00 0.00 7,253.31 89.61 306.50 4,737.43 3,002.13 -1,407.06 2.00 0.00 -2.00 -90.05

-2,853.97

9,053.31

Planning Report

Database: Company: Grand Junction District

WPX Energy

Project: Site: Well: Sandovall County, NM 3003 West

S Escavada UT 352 Pad S Escavada UT 354H

Wellbore: Wellbore #1
Design: Plan #1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well S Escavada UT 354H

GL 6776 + KB 21 = @ 6797.00usft GL 6776 + KB 21 = @ 6797.00usft

True

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)
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
500.00 574.11	2.00 3.48	16.98 16.98	499.98 574.00	1.67 5.06	0.51 1.54	0.85 2.58	2.00	2.00	0.00
Ojo Alamo	3.40	10.90	374.00	5.00	1.54	2.50	2.00	2.00	0.00
600.00	4.00	16.98	599.84	6.67	2.04	3.40	2.00	2.00	0.00
700.00	6.00								
769.02	7.38	16.98 16.98	699.45 768.00	15.01 22.70	4.58 6.93	7.65 11.57	2.00 2.00	2.00 2.00	0.00
Kirtland	7.30	10.90	700.00	22.70	0.93	11.57	2.00	2.00	0.00
	and the state of		appropriately a partial field			THE RESERVE AND THE PARTY COME.			
800.00	8.00	16.98	798.70	26.66	8.14	13.59	2.00	2.00	0.00
900.00	10.00	16.98	897.47	41.62	12.71	21.21	2.00	2.00	0.00
1,000.00	12.00	16.98	995.62	59.87	18.29	30.51	2.00	2.00	0.00
1,100.00	14.00	16.98	1,093.06	81.38	24.86	41.47	2.00	2.00	0.00
1,175.43	15.51	16.98	1,166.00	99.76	30.47	50.83	2.00	2.00	0.00
Picture Cliffs									
1,200.00	16.00	16.98	1,189.64	106.14	32.42	54.08	2.00	2.00	0.00
1,223.29	16.47	16.98	1,212.00	112.36	34.32	57.26	2.00	2.00	0.00
Lewis									
1,307.56	18.15	16.98	1,292.46	136.34	41.64	69.47	2.00	2.00	0.00
1,400.00	18.15	16.98	1,380.30	163.88	50.05	83.51	0.00	0.00	0.00
1,500.00	18.15	16.98	1,475.32	193.68	59.15	98.69	0.00	0.00	0.00
1,527.03	18.15	16.98	1,501.00	201.73	61.61	102.79	0.00	0.00	0.00
Chacra	10.15								
1,600.00	18.15	16.98	1,570.34	223.47	68.25	113.87	0.00	0.00	0.00
1,700.00	18.15	16.98	1,665.37	253.26	77.35	129.05	0.00	0.00	0.00
1,800.00	18.15	16.98	1,760.39	283.06	86.45	144.24	0.00	0.00	0.00
1,900.00	18.15	16.98	1,855.41	312.85	95.55	159.42	0.00	0.00	0.00
2,000.00	18.15	16.98	1,950.44	342.65	104.65	174.60	0.00	0.00	0.00
2,100.00	18.15	16.98	2,045.46	372.44	113.75	189.78	0.00	0.00	0.00
2,200.00	18.15	16.98	2,140.49	402.23	122.85	204.96	0.00	0.00	0.00
2,300.00	18.15	16.98	2,235.51	432.03	131.95	220.14	0.00	0.00	0.00
2,400.00	18.15	16.98	2,330.53	461.82	141.05	235.33	0.00	0.00	0.00
2,500,00	18.15	16.98	2,425.56	491.61	150.15	250.51	0.00	0.00	0.00
2,600.00	18.15	16.98	2,520.58	521.41	159.25	265.69	0.00	0.00	0.00
2,668.85	18.15	16.98	2,586.00	541.92	165.52	276.14	0.00	0.00	0.00
Cliff House	10.10	13.33	2,555.55	1411.02	.00.02	270.14	0.00	0.00	0.00
2,690.94	18.15	16.98	2.607.00	548.50	167.53	279.50	0.00	0.00	0.00
Menefee	10.13	10.00	2,007.00	040.00	107.00	273.50	0.00	0.00	0.00
2,700.00	18.15	16.98	2,615.60	551.20	168.35	280.87	0.00	0.00	0.00
2,800.00	18.15	16.98	2,710.63	581.00	177.45	296.05	0.00	0.00	0.00
2,900.00	18.15	16.98	2,805.65	610.79	186.55	311.24	0.00	0.00	0.00
3,000.00	18.15	16.98	2,900.68	640.58	195.65	326.42	0.00	0.00	0.00
3,100.00	18.15	16.98	2,995.70	670.38	204.75	341.60	0.00	0.00	0.00
3,200.00	18.15	16.98	3,090.72	700.17	213.85	356.78	0.00	0.00	0.00
3,300.00	18.15	16.98	3,185.75	729.97	222.95	371.96	0.00	0.00	0.00
3,400.00	18.15	16.98	3,280.77	759.76	232.05	387.14	0.00	0.00	0.00
3,500.00			3,375.79	789.76					0.00
3,549.68	18.15 18.15	16.98 16.98	3,423.00	804.35	241.15 245.67	402.33 409.87	0.00	0.00	0.00
		10.50	5,425.00	004.33	240.07	405.07	0.00	0.00	0.00
Point Lookou	L								

Planning Report

Database: Company: Grand Junction District

WPX Energy

Project: Site: Sandovall County, NM 3003 West

S Escavada UT 352 Pad

S Escavada UT 354H

Well: S Escavada
Wellbore: Wellbore #1
Design: Plan #1

Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference: Survey Calculation Method: Well S Escavada UT 354H

GL 6776 + KB 21 = @ 6797.00usft GL 6776 + KB 21 = @ 6797.00usft

True

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)
3,700.00	18.15	16.98	3,565.84	849.14	259.35	432.69	0.00	0.00	0.00
3,800.00	18.15	16.98	3,660.87	878.93	268.45	447.87	0.00	0.00	0.00
3,809.61	18.15	16.98	3,670.00	881.80	269.33	449.33	0.00	0.00	0.00
Mancos	10.10		0,070.00	001.00	200.00	440.00	0.00		
3,900.00	18.15	16.98	3,755.89	908.73	277.55	463.05	0.00	0.00	0.00
4,000.00	18.15	16.98	3,850.91	938.52	286.65	478.24	0.00	0.00	0.00
4,000.00	10.13	10.90	3,030.91	930.52		470.24			0.00
4,100.00	18.15	16.98	3,945.94	968.32	295.75	493.42	0.00	0.00	0.00
4,134.79	18.15	16.98	3,979.00	978.68	298.92	498.70	0.00	0.00	0.00
Gallup									
4,200.00	18.15	16.98	4,040.96	998.11	304.85	508.60	0.00	0.00	0.00
4,300.00	18.15	16.98	4,135.99	1,027.90	313.95	523.78	0.00	0.00	0.00
4,347.37	18.15	16.98	4,181.00	1,042.02	318.26	530.97	0.00	0.00	0.00
Gallup Uppe	r								
4,372.21	18.15	16.98	4,204.61	1,049.42	320.52	534.74	0.00	0.00	0.00
4,400.00	19.44	10.33	4,230.91	1,049.42	320.52	539.56	9.00	4.64	-23.96
4,450.00	22.27	0.46	4,277.65	1,075.78	324.19	551.22	9.00	5.65	-19.74
4,500.00	25.56	352.86	4,323.36	1,095.96	322.92	566.65	9.00	6.58	-15.20
4,550.00	29.15	346.95	4,367.77	1,118.54	318.83	585.76	9.00	7.19	-11.81
4,600.00	32.95	342.27	4,410.60	1,143.36	311.94	608.44	9.00	7.60	-9.36
4,650.00	36.89	338.48	4,451.60	1,170.29	302.28	634.55	9.00	7.88	-7.59
4,700.00	40.94	335.33	4,490.50	1,199.16	289.94	663.92	9.00	8.09	-6.30
4,714.03	42.08	334.54	4,501.00	1,207.58	286.00	672.72	9.00	8.19	-5.65
Mancos Lwr	44.50	000.04	4.500.00	1 000 10	070.04	000.50	0.00	0.04	5.07
4,744.27	44.58	332.94	4,523.00	1,226.18	276.81	692.50	9.00	8.24	-5.27
El Vado									
4,750.00	45.05	332.66	4,527.06	1,229.77	274.96	696.37	9.00	8.28	-4.99
4,800.00	49.22	330.35	4,561.07	1,261.96	257.46	731.71	9.00	8.34	-4.62
4,850.00	53.43	328.31	4,592.31	1,295.51	237.54	769.71	9.00	8.42	-4.07
4,900.00	57.67	326.48	4,620.59	1,330.23	215.31	810.14	9.00	8.48	-3.65
4,902.65	57.90	326.39	4,622.00	1,332.10	214.07	812.35	9.00	8.51	-3.46
Frac Barrier	- Mancos Unc								
4.050.00	64.04	224.82	4 645 70	1 205 90	100.00	050.75	0.00	0.50	2.24
4,950.00	61.94 66.22	324.82 323.29	4,645.73 4,667.58	1,365.89	190.92	852.75	9.00	8.53 8.57	-3.31
5,000.00 5,050.00	70.52	323.29	4,686.01	1,402.28 1,439.18	164.52 136.28	897.29 943.46	9.00	8.60	-3.07 -2.87
5,050.00	71.04	321.68	4,688.00	1,439.16	130.20	949.15	9.00	8.61	-2.07 -2.78
PS 3	71.04	321.00	1,000.00	1,170.00	102.14	545.15	5.00	0.01	-2.70
5.100.00	74.83	320.49	4,700.90	1,476.35	106.35	991.00	9.00	8.62	-2.71
500 • 300,000 0000 0000									
5,149.19	79.07	319.21	4,712.00	1,512.96	75.46	1,038.80	9.00	8.63	-2.61
PS2									
5,150.00	79.14	319.18	4,712.15	1,513.56	74.94	1,039.60	9.00	8.64	-2.57
5,200.00	83.47	317.92	4,719.71	1,550.60	42.23	1,088.97	9.00	8.64	-2.54
5,250.00	87.79	316.67	4,723.52	1,587.22	8.42	1,138.80	9.00	8.65	-2.50
5,271.06	89.61	316.15	4,724.00	1,602.47	-6.10	1,159.86	9.00	8.65	-2.48
5,300.00	89.61	316.15	4,724.20	1,623.34	-26.15	1,188.79	0.00	0.00	0.00
5,400.00	89.61	316.15	4,724.87	1,695.44	-95.43	1,288.79	0.00	0.00	0.00
5,420.42	89.61	316.15	4,725.01	1,710.17	-109.58	1,309.21	0.00	0.00	0.00
7"				Master III II II	ALERION.				
5,500.00	89.61	316.15	4,725.55	1,767.55	-164.71	1,388.79	0.00	0.00	0.00
5,600.00	89.61	316.15	4,726.23	1,839.66	-233.99	1,488.79	0.00	0.00	0.00
5,700.00	89.61	316.15	4,726.90	1,911.77	-303.28	1,588.78	0.00	0.00	0.00
5,800.00	89.61	316.15	4,727.58	1,983.88	-372.56	1,688.78	0.00	0.00	0.00
5,900.00	89.61	316.15	4,728.26	2,055.98	-441.84	1,788.78	0.00	0.00	0.00

Planning Report

Database: Company: Project:

Wellbore: Design: Grand Junction District

WPX Energy

Project: Sandovall County, NM 3003 West
Site: S Escavada UT 352 Pad
Well: S Escavada UT 354H

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

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well S Escavada UT 354H

GL 6776 + KB 21 = @ 6797.00usft GL 6776 + KB 21 = @ 6797.00usft

True

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)
6,100.00	89.61	316.15	4,729.61	2,200.20	-580.40	1,988.78	0.00	0.00	0.00
6,200.00	89.61	316.15	4,730.29	2,272.31	-649.69	2,088.77	0.00	0.00	0.00
6,300.00	89.61	316.15	4,730.96	2,344.42	-718.97	2,188.77	0.00	0.00	0.00
6,400.00	89.61	316.15	4,731.64	2,416.53	-788.25	2,288.77	0.00	0.00	0.00
6,500.00	89.61	316.15	4,732.32	2,488.63	-857.53	2,388.77	0.00	0.00	0.00
6,600.00	89.61	316.15	4,732.99	2,560.74	-926.81	2,488.76	0.00	0.00	0.00
6,700.00	89.61	316.15	4,733.67	2,632.85	-996.09	2,588.76	0.00	0.00	0.00
6,771.06	89.61	316.15	4,734.15	2,684.09	-1,045.33	2,659.82	0.00	0.00	0.00
6,800.00	89.61	315.57	4,734.35	2,704.86	-1,065.48	2,688.76	2.00	0.00	-2.00
6,900.00	89.61	313.57	4,735.03	2,775.02	-1,136.72	2,788.71	2.00	0.00	-2.00
7,000.00	89.61	311.57	4,735.71	2,842.66	-1,210.36	2,888.51	2.00	0.00	-2.00
7,100.00	89.61	309.57	4,736.39	2,907.69	-1,286.32	2,988.03	2.00	0.00	-2.00
7,200.00	89.61	307.57	4,737.07	2,970.03	-1,364.51	3,087.15	2.00	0.00	-2.00
7,253.31	89.61	306.50	4,737.43	3,002.13	-1,407.06	3,139.78	2.00	0.00	-2.00
7,300.00	89.61	306.50	4,737.75	3,029.91	-1,444.59	3,185.81	0.00	0.00	0.00
7,400.00	89.61	306.50	4,738.43	3,089.39	-1,524.98	3,284.39	0.00	0.00	0.00
7,500.00	89.61	306.50	4,739.11	3,148.87	-1,605.36	3,382.98	0.00	0.00	0.00
7,600.00	89.61	306.50	4,739.79	3,208.35	-1,685.74	3,481.56	0.00	0.00	0.00
7,700.00	89.61	306.50	4,740.47	3,267.83	-1,766.13	3,580.14	0.00	0.00	0.00
7,800.00	89.61	306.50	4,741.15	3,327.31	-1,846.51	3,678.72	0.00	0.00	0.00
7,900.00	89.61	306.50	4,741.83	3,386.79	-1,926.90	3,777.31	0.00	0.00	0.00
8,000.00	89.61	306.50	4,742.51	3,446.27	-2,007.28	3,875.89	0.00	0.00	0.00
8,100.00	89.61	306.50	4,743.19	3,505.75	-2,087.66	3,974.47	0.00	0.00	0.00
8,200.00	89.61	306.50	4,743.88	3,565.23	-2,168.05	4,073.05	0.00	0.00	0.00
8,300.00	89.61	306.50	4,744.56	3,624.72	-2,248.43	4,171.64	0.00	0.00	0.00
8,400.00	89.61	306.50	4,745.24	3,684.20	-2,328.82	4,270.22	0.00	0.00	0.00
8,500.00	89.61	306.50	4,745.92	3,743.68	-2,409.20	4,368.80	0.00	0.00	0.00
8,600.00	89.61	306.50	4,746.60	3,803.16	-2,489.58	4,467.39	0.00	0.00	0.00
8,700.00	89.61	306.50	4,747.28	3,862.64	-2,569.97	4,565.97	0.00	0.00	0.00
8,800.00	89.61	306.50	4,747.96	3,922.12	-2,650.35	4,664.55	0.00	0.00	0.00
8,900.00	89.61	306.50	4,748.64	3,981.60	-2,730.73	4,763.13	0.00	0.00	0.00
9,000.00	89.61	306.50	4,749.32	4,041.08	-2,811.12	4,861.72	0.00	0.00	0.00
9.053.31	89.61	306.50	4.749.68	4,072.79	-2,853.97	4,914.27	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
SEU354H POE - plan misses targe - Point	0.00 et center by 1.50	0.00 Ousft at 5420	4,724.00 .28usft MD	1,710.84 (4725.01 TVD,	-108.69 , 1710.07 N, -1	1,862,044.50 109.48 E)	584,927.75	36.117248	-107.545790
SEU354H BHL Orig. - plan misses targe - Point	0.00 et center by 277	0.00 .65usft at 86	4,747.00 45.37usft M	4,053.33 D (4746.91 TV	-2,360.90 /D, 3830.14 N	1,864,380.31 , -2526.05 E)	582,668.61	36.123683	-107.553410
SEU354BHL New - plan misses targe - Point	0.00 et center by 2.68	0.00 Busft at 9053	4,747.00 3.29usft MD	4,072.79 (4749.68 TVD,	-2,853.97 , 4072.78 N, -2	1,864,398.31 2853.96 E)	582,175.49	36.123736	-107.555086

Planning Report

Database: Company: Project: Grand Junction District

WPX Energy

Sandovall County, NM 3003 West

S Escavada UT 352 Pad

Wellbore: Design:

Site:

Well:

S Escavada UT 354H Wellbore #1 Plan #1 Local Co-ordinate Reference:

TVD Reference:
MD Reference:

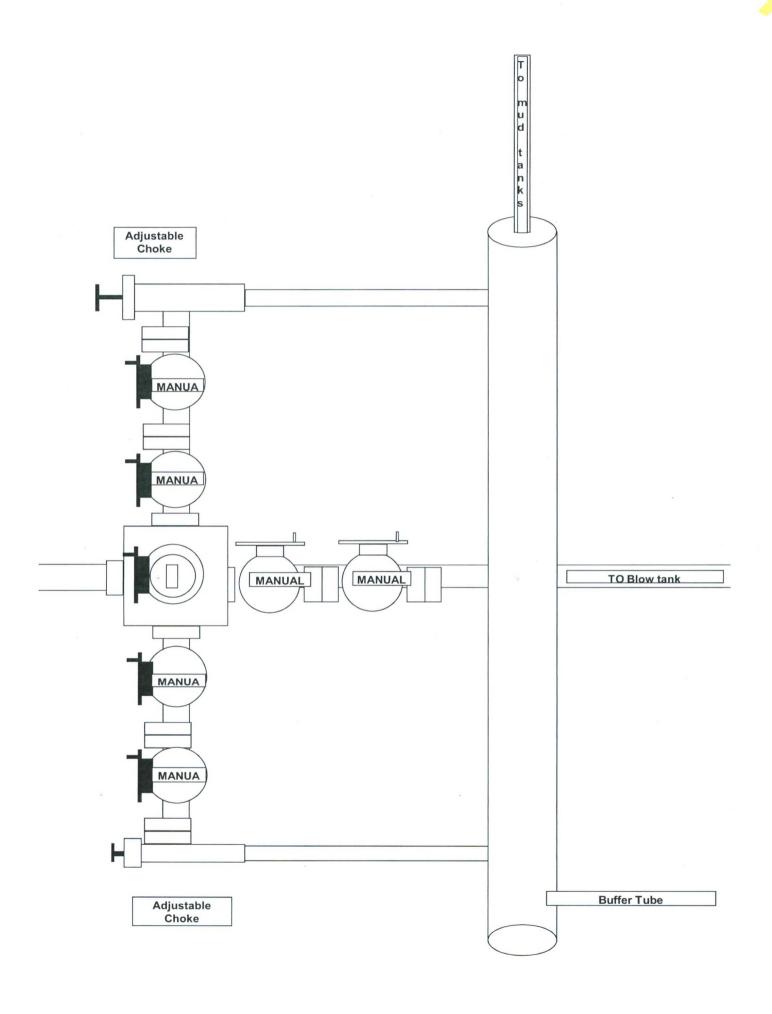
North Reference: Survey Calculation Method: Well S Escavada UT 354H

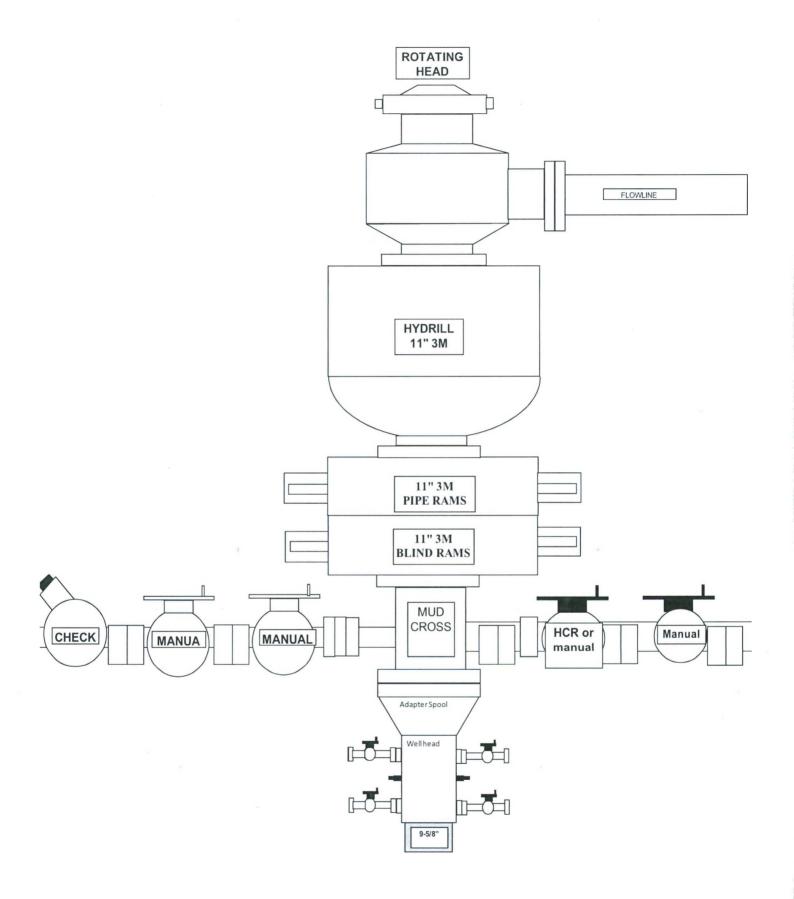
GL 6776 + KB 21 = @ 6797.00usft GL 6776 + KB 21 = @ 6797.00usft

True

Casing Points						
	Measured	Vertical		Casing	Hole	
	Depth	Depth		Diameter	Diameter	
	(usft)	(usft)	Name	(")	(")	
	5,420,42	4.725.01 7"		7	8-3/4	

Measured Depth (usft)	Vertical Depth (usft)	,	Name		Lithology	Dip (°)	Dip Direction (°)
574.11	574.00	Ojo Alamo					
769.02	768.00	Kirtland					
1,175.43	1,166.00	Picture Cliffs					
1,223.29	1,212.00	Lewis					
1,527.03	1,501.00	Chacra					
2,668.85	2,586.00	Cliff House					
2,690.94	2,607.00	Menefee					
3,549.68	3,423.00	Point Lookout					
3,809.61	3,670.00	Mancos					
4,134.79	3,979.00	Gallup					
4,347.37	4,181.00	Gallup Upper					
4,714.03	4,501.00	Mancos Lwr					
4,744.27	4,523.00	El Vado					
4,902.65	4,622.00	Frac Barrier					
4,902.65	4,622.00	Mancos Unc					
5,056.05	4,688.00	PS 3					
5,149.19	4,712.00			4			





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.

<u>Directions from the Intersection of US Hwy 550 & US Hwy 64</u> in Bloomfield, NM to WPX Energy Production, LLC S Escavada Unit #354H

Latitude: 36.112563°N Longitude: 107.546028°W Datum: NAD1983

1713' FNL & 2371' FWL, Section 26, T22N, R7W, N.M.P.M., Sandoval County, NM

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) continuing for an additional 2729.7' to staked WPX S Escavada Unit #354H location.