

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary

Tony Delfin
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 3160-4 or 3160-5 form.

Operator Signature Date: 1/14/16

Well information:

API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf_Owner	UL	Sec	Twp	N/S	Rng	W/E
30-045-35716-00-00	W Alamito Unit	462H	WPX Energy Production, LLC	O	N	San Juan	F	C	1	22	N	8	W

Drilling/Casing Change

Conditions of Approval:

(See the below checked and additional 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
- ☐ Ensure compliance with 19.15.17
- ☐ 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
- ☒ 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.

Additional requirements

If cement fails to circulate on any of the stages, notify OCD.

NMOCD Approved by Signature

2/1/16

Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JAN 15 2015

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS
**Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.**

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

WPX Energy Production, LLC

3a. Address

PO Box 640 Aztec, NM 87410

3b. Phone No. (include area code)

505-333-1816

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SHL: 709' FNL & 1576' FWL SEC 1 22N 8W

BHL: 2109' FSL & 330' FEL SEC 1 22N 8W

5. Lease Serial No.

NMNM 117143

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

NMNM133613X

8. Well Name and No.

W ALAMITO UNIT #462H

9. API Well No.

30-045- 35716

10. Field and Pool or Exploratory Area

AMAMITO MANCOS W

11. Country or Parish, State

SAN JUAN, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

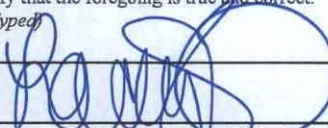
TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other <u>AMENDED</u>
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	<u>CHANGE OF CEMENT &</u>
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	<u>REALIGN LATERAL</u>

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

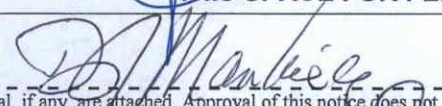
WPX Energy request to change the cement plan to a two stage conventional cement job w/ a DV tool and also the orientation of the lateral. Updated directional, ops plans, C102 and SUPO showing the addition of facilities are attached.

OIL CONS. DIV DIST. 3

JAN 29 2016

14. I hereby certify that the foregoing is true and correct.	
Name (Printed/Typed) Lacey Granillo	Title Permit Tech III
Signature 	Date 1/14/16

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by 	Title AFM	Date 1/27/16
Conditions of approval, if any, are attached. Approval of this notice 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.	Office FFO	

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)

NMOCD

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 1, 2011

Submit one copy to
Appropriate District Office

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30.045.357116	*Pool Code 98163	*Pool Name ALAMITO MANCOS W
*Property Code 315082	*Property Name W ALAMITO UNIT	*Well Number 462H
*GRID No. 120782	*Operator Name WPX ENERGY PRODUCTION, LLC	*Elevation 6909'

¹⁰ Surface Location

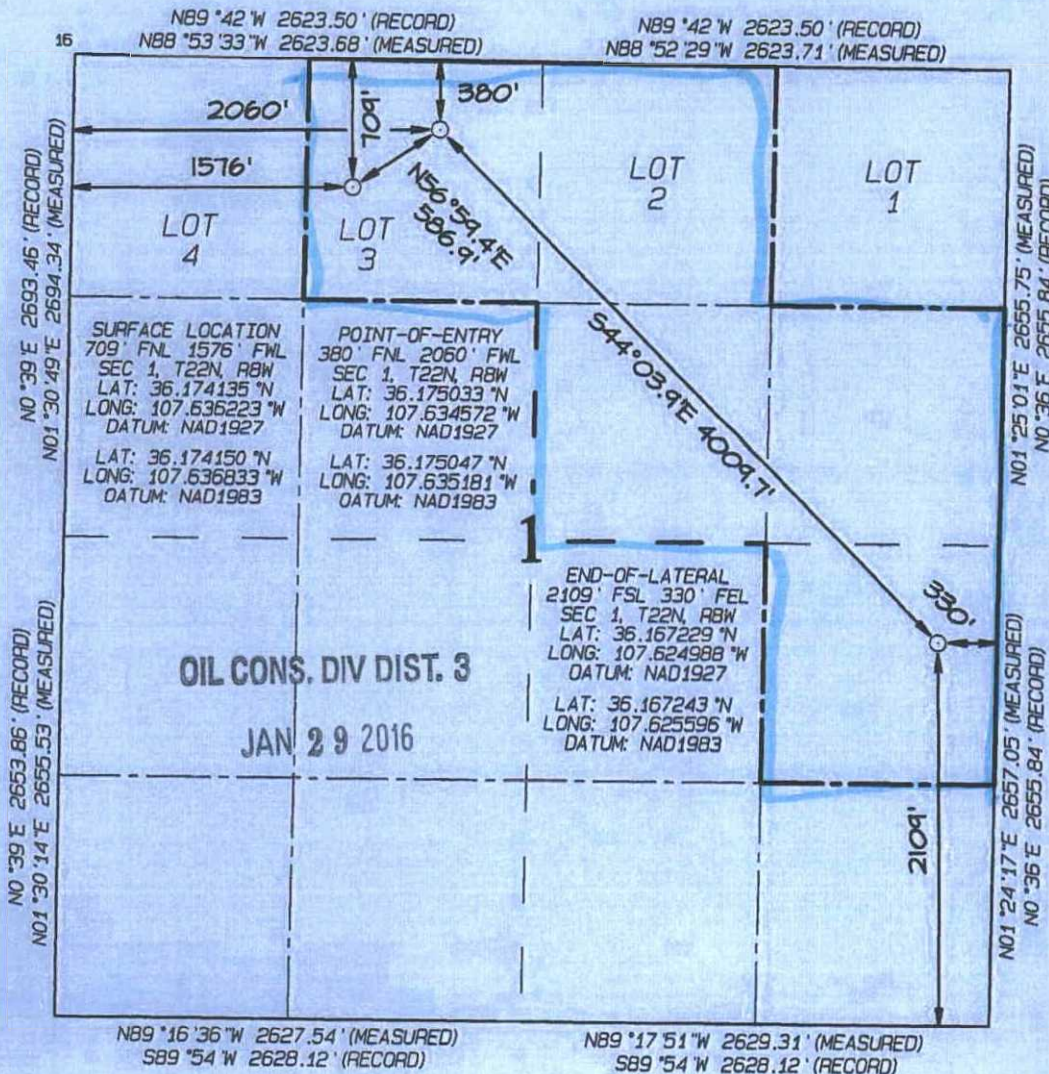
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	1	22N	8W	3	709	NORTH	1576	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	1	22N	8W		2109	SOUTH	330	EAST	SAN JUAN

*Dedicated Acres 201.20	NE/4 NW/4, NW/4 NE/4, S/2 NE/4, NE/4 SE/4	*Joint or Infill	*Consolidation Code	*Order No. R-14002
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom-hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature [Signature] Date 1/14/16
Printed Name Lacey Granillo
E-mail Address lacey.granillo@wpenergy.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 14, 2016
Survey Date: FEBRUARY 26, 2015

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

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"	5,444.44'	7"	23 LBS	J-55 or equiv	LTC
PRODUCTION	6.125"	5294.44' - 9,453.58'	4.5"	11.6 LBS	P-110 or equiv	LTC
TIE BACK	6.125"	Surf. - 5294.44'	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. **A 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.**
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. CEMENTING:

(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 STAGE 1: Spacer #1: 20 bbl (112 cuft) Chemwash. Lead Cement: 105 bbls, 300 sks, (591 cuft), 12.3 ppg @ 1.97 cuft/sk yield. Tail Cement: 87 bbls, 376 sks, (489 cuft), 13.5 ppg @ 1.3 cuft/sk yield. Displacement: Displace w/ +/- 214 bbl Drilling mud or water.
Total Cement: 192 bbls, 676 sks, (1080 cuft)
STAGE 2: Spacer #1: 20 bbl (112 cuft) Chemwash. Lead Cement: 35 bbls, 101 sks, (197 cuft), 12.3 ppg @ 1.97 cuft/sk yield. Tail Cement: 16 bbls, 78 sks, (90 cuft), 13.5 ppg @ 1.3 cuft/sk yield. Displacement: Displace w/ +/- 63 bbl Drilling mud or water.
Total Cement: 51 bbls, 180 sks, (288 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 (407 sx /554 cuft /99 bbls). Tail Spacer: 20 BBL of MMCR. Displacement: Displace w/ +/- 140 bbl Fr Water. Total Cement (407 sx /554bbls).

I.
COMPLETION

A. **CBL**

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.

NOTE:

Proposed Operations:

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 R8W

2208-01C WAU

W Alamito UT #462H - Slot A1

Wellbore #1

Plan: Design #2 5Jan16 sam

Standard Planning Report

05 January, 2016

WPX

Planning Report

Database:	COMPASS	Local Co-ordinate Reference:	Well W Alamito UT #462H (A1) - Slot A1
Company:	WPX Energy	TVD Reference:	GL @ 6909.00usft
Project:	T22N R8W	MD Reference:	GL @ 6909.00usft
Site:	2208-01C WAU	North Reference:	True
Well:	W Alamito UT #462H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2 5Jan16 sam		

Project	T22N R8W		
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		2208-01C WAU			
Site Position:		Northing:	1,882,685.24 usft	Latitude:	36.174135
From:	Lat/Long	Easting:	558,175.73 usft	Longitude:	-107.636223
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence:	0.12 °

Well	WAlamito UT #462H - Slot A1					
Well Position	+N/-S	0.00 usft	Northing:	1,882,685.24 usft	Latitude:	36.174135
	+E/-W	0.00 usft	Easting:	558,175.73 usft	Longitude:	-107.636223
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	6,909.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	8/11/2015	9.27	62.90	50,013

Design	Design #2 5Jan16 sam			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (bearing)
	0.00	0.00	0.00	127.16

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	
1,144.24	12.88	356.69	1,138.82	72.01	-4.17	2.00	2.00	0.00	356.69	
4,268.07	12.88	356.69	4,183.99	767.43	-44.43	0.00	0.00	0.00	0.00	
5,045.23	60.00	135.12	4,840.74	593.32	221.97	9.00	6.06	17.81	142.28	Start 60 Tan #462H
5,105.23	60.00	135.12	4,870.74	556.50	258.64	0.00	0.00	0.00	0.00	End 60 Tan #462H
5,278.08	75.56	135.12	4,935.91	443.47	371.21	9.00	9.00	0.00	0.00	
5,444.44	90.53	135.12	4,956.00	326.80	487.41	9.00	9.00	0.00	0.00	POE #462H
9,453.58	90.53	135.12	4,919.00	-2,513.72	3,316.41	0.00	0.00	0.00	0.00	BHL #462H

WPX
Planning Report

Database:	COMPASS	Local Co-ordinate Reference:	Well W Alamito UT #462H (A1) - Slot A1
Company:	WPX Energy	TVD Reference:	GL @ 6909.00usft
Project:	T22N R8W	MD Reference:	GL @ 6909.00usft
Site:	2208-01C WAU	North Reference:	True
Well:	W Alamito UT #462H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2 5Jan16 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	356.69	997.47	43.45	-2.52	-28.25	2.00	2.00	0.00
1,144.24	12.88	356.69	1,138.82	72.01	-4.17	-46.82	2.00	2.00	0.00
Hold 12.88 Inclination									
1,500.00	12.88	356.69	1,485.63	151.21	-8.75	-98.32	0.00	0.00	0.00
2,000.00	12.88	356.69	1,973.04	262.52	-15.20	-170.69	0.00	0.00	0.00
2,500.00	12.88	356.69	2,460.45	373.83	-21.64	-243.06	0.00	0.00	0.00
3,000.00	12.88	356.69	2,947.86	485.14	-28.09	-315.43	0.00	0.00	0.00
3,500.00	12.88	356.69	3,435.27	596.45	-34.53	-387.81	0.00	0.00	0.00
4,000.00	12.88	356.69	3,922.68	707.76	-40.97	-460.18	0.00	0.00	0.00
4,268.07	12.88	356.69	4,183.99	767.43	-44.43	-498.98	0.00	0.00	0.00
Start Build DLS 9.00 TFO 142.28									
4,500.00	13.17	103.63	4,412.49	787.24	-19.97	-491.45	9.00	0.12	46.11
5,000.00	55.98	134.34	4,816.77	620.31	194.73	-219.51	9.00	8.56	6.14
5,045.23	60.00	135.12	4,840.74	593.32	221.97	-181.50	9.00	8.88	1.71
Hold 60.00 Inclination									
5,105.23	60.00	135.12	4,870.74	556.50	258.64	-130.04	0.00	0.00	0.00
Start Build DLS 9.00 TFO 0.00									
5,278.08	75.56	135.12	4,935.91	443.47	371.21	27.95	9.00	9.00	0.00
Start DLS 9.00 TFO 0.00									
5,444.00	90.49	135.12	4,956.00	327.11	487.10	190.60	9.00	9.00	0.00
7"									
5,444.44	90.53	135.12	4,956.00	326.80	487.41	191.03	9.00	9.00	0.00
POE at 90.53 Inc 135.12 Deg									
5,500.00	90.53	135.12	4,955.49	287.44	526.61	246.06	0.00	0.00	0.00
6,000.00	90.53	135.12	4,950.87	-66.82	879.43	741.22	0.00	0.00	0.00
6,500.00	90.53	135.12	4,946.26	-421.08	1,232.25	1,236.39	0.00	0.00	0.00
7,000.00	90.53	135.12	4,941.64	-775.33	1,585.07	1,731.56	0.00	0.00	0.00
7,500.00	90.53	135.12	4,937.03	-1,129.59	1,937.89	2,226.72	0.00	0.00	0.00
8,000.00	90.53	135.12	4,932.42	-1,483.84	2,290.71	2,721.89	0.00	0.00	0.00
8,500.00	90.53	135.12	4,927.80	-1,838.10	2,643.53	3,217.06	0.00	0.00	0.00
9,000.00	90.53	135.12	4,923.19	-2,192.35	2,996.35	3,712.22	0.00	0.00	0.00
9,453.58	90.53	135.12	4,919.00	-2,513.72	3,316.41	4,161.42	0.00	0.00	0.00
TD at 9453.58									

WPX
Planning Report

Database:	COMPASS	Local Co-ordinate Reference:	Well W Alamito UT #462H (A1) - Slot A1
Company:	WPX Energy	TVD Reference:	GL @ 6909.00usft
Project:	T22N R8W	MD Reference:	GL @ 6909.00usft
Site:	2208-01C WAU	North Reference:	True
Well:	WAlamito UT #462H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2 5Jan16 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 #462H - plan hits target center - Point	0.00	0.00	4,840.74	593.32	221.97	1,883,279.01	558,396.49	36.175765	-107.635471
End 60 Tan #462H - plan hits target center - Point	0.00	0.00	4,870.74	556.50	258.64	1,883,242.26	558,433.24	36.175664	-107.635347
BHL #462H - plan hits target center - Point	0.00	0.00	4,919.00	-2,513.72	3,316.41	1,880,178.26	561,497.24	36.167229	-107.624988
POE #462H - plan hits target center - Point	0.00	0.00	4,956.00	326.80	487.41	1,883,013.03	558,662.47	36.175033	-107.634572

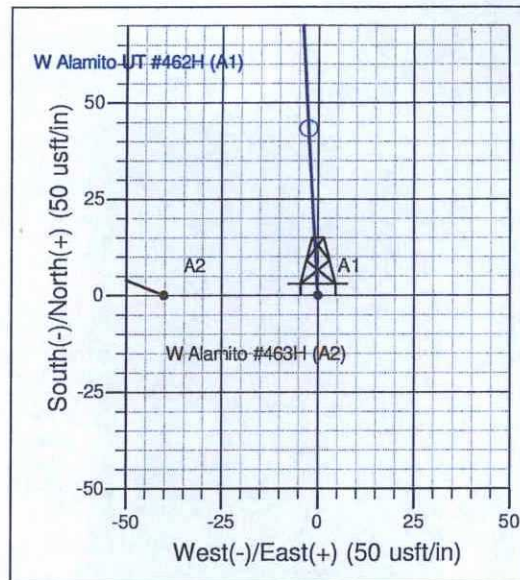
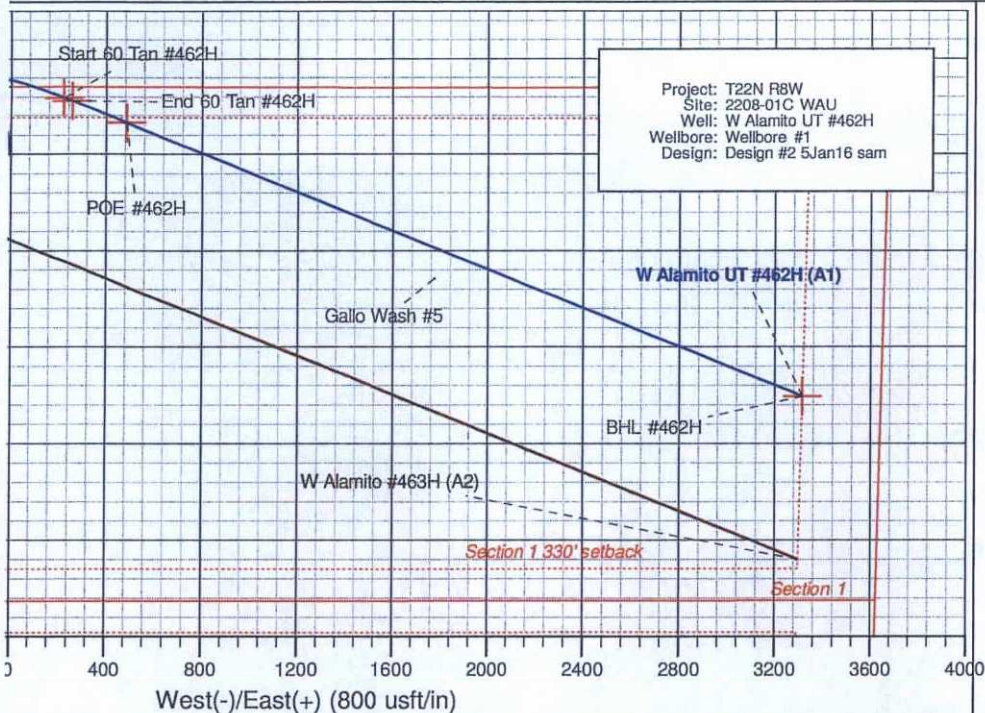
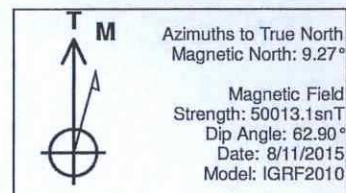
Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name		Casing Diameter (in)	Hole Diameter (in)
320.00	320.00	9 5/8"		9.620	12.250
5,444.00	4,956.00	7"		7.000	8.750

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	
1,144.24	1,138.82	72.01	-4.17	Hold 12.88 Inclination	
4,268.07	4,183.99	767.43	-44.43	Start Build DLS 9.00 TFO 142.28	
5,045.23	4,840.74	593.32	221.97	Hold 60.00 Inclination	
5,105.23	4,870.74	556.50	258.64	Start Build DLS 9.00 TFO 0.00	
5,278.08	4,935.91	443.47	371.21	Start DLS 9.00 TFO 0.00	
5,444.44	4,956.00	326.80	487.41	POE at 90.53 Inc 135.12 Deg	
9,453.58	4,919.00	-2,513.72	3,316.41	TD at 9453.58	

Surface Location: 2208-01C WAU
 NAD 1927 (NADCON CONUS) , US State Plane 1927 (Exact solution) New Mexico West 3003
 Ground Elevation: 6909.00

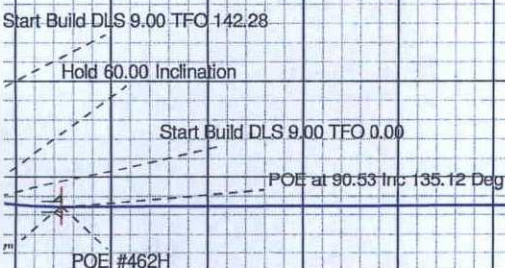
+E/-W Northing Easting Latitude Longitude
 0.00 1882685.24 558175.73 36.174135 -107.636223
 GL @ 6909.00usft

Slot
 A1



SLOTS				
Slot Name	+N/-S	+E/-W	Northing	Easting
A1	0.00	0.00	1882685.24	558175.73
A2	0.00	-40.14	1882685.16	558135.59

DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Start 60 Tan #462H	4840.74	593.32	221.97	1883279.01	558396.49	36.175765	-107.635471
End 60 Tan #462H	4870.74	556.50	258.64	1883242.26	558433.24	36.175664	-107.635347
POE #462H	4956.00	326.80	487.41	1883013.03	558662.47	36.175033	-107.634572
BHL #462H	4919.00	-2513.72	3316.41	1880178.26	561497.24	36.167229	-107.624987



ANNOTATIONS									
TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation	
500.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	Start Build 2.00	
1138.82	1144.24	12.88	356.69	72.01	-4.17	-46.82	72.13	Hold 12.88 Inclination	
4840.74	5045.23	60.00	135.12	593.32	221.97	-181.50	1120.60	Start Build DLS 9.00 TFO 142.28	
4870.74	5105.23	60.00	135.12	556.50	258.64	-130.04	1172.56	Hold 60.00 Inclination	
4935.91	5278.08	75.56	135.12	443.47	371.21	27.95	1332.09	Start DLS 9.00 TFO 0.00	
4956.00	5444.44	90.53	135.12	326.80	487.41	191.03	1496.75	POE at 90.53 Inc 135.12 Deg	
4919.00	9453.58	90.53	135.12	-2513.72	3316.41	4161.42	5505.72	TD at 9453.58	