

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Tascosa Energy Partners, LLC. 901 W. Missouri Ave. Midland, TX 79701		² OGRID Number 329748	
		³ Reason for Filing Code/ Effective Date NW	
⁴ API Number 30 - 015 - 48736	⁵ Pool Name Avalon; Bone Spring		⁶ Pool Code 96381
⁷ Property Code 331220	⁸ Property Name Catalina 25 HE State		⁹ Well Number #001H

II. ¹⁰ Surface Location

UL or lot no. E	Section 30	Township 20S	Range 27E	Lot Idn 2	Feet from the 1881	North/South Line North	Feet from the 201	East/West line West	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. E	Section 25	Township 20S	Range 2E	Lot Idn	Feet from the 1994	North/South line North	Feet from the 106	East/West line West	County Eddy
¹² Lse Code S	¹³ Producing Method Code F		¹⁴ Gas Connection Date 11/1/2021		¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date	

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
33479	Holly Frontier Refining and Marketing LLC. 1602 W. Main, Artesia, NM 88210	
151618	Enterprise Field Services LLC. P.O. Box 4324 Houston, TX 77210	

IV. Well Completion Data

²¹ Spud Date 9/27/2021	²² Ready Date 11/22/2021	²³ TD 13,078' MD, 7570' TVD	²⁴ PBTD 13,075', 7570' TVD	²⁵ Perforations 8096' MD, 7708' TVD - 13,074' MD, 7570' TVD	²⁶ DHC, MC No
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
17-1/2"		13-3/8"		475'	630 sx
12-1/4"		9-5/8"		2538'	966 sx
8-3/4"		5-1/2"		13,078'	2,485 sx

V. Well Test Data

³¹ Date New Oil 11/26/2021	³² Gas Delivery Date 12/6/2021	³³ Test Date 12/14/2021	³⁴ Test Length 24	³⁵ Tbg. Pressure 716 psi	³⁶ Csg. Pressure 2200 psi
³⁷ Choke Size 48/64 ths	³⁸ Oil 613 bbls	³⁹ Water 1446 bbls	⁴⁰ Gas 2133 MCF		⁴¹ Test Method Flowing
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Alyssa McNear</i>			OIL CONSERVATION DIVISION		
Printed name: Alyssa McNear			Approved by: <i>PATRICIA MARTINEZ</i>		
Title: Engineering Manager			Title: <i>PETROLEUM SPECIALIST</i>		
E-mail Address: adavanzo@tascosaep.com			Approval Date: <i>2/21/2022</i>		
Date: 12/15/2021		Phone: 432-695-6970			

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

District II
811 S. First St., 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 Dr., Santa Fe, NM 87505
Phone: (505) 746-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
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

¹ API Number 30-015-48736	² Pool Code 96381	³ Pool Name Avalon; Bone Spring
⁴ Property Code 331220	⁵ Property Name CATALINA 25HE STATE	
⁷ OGRID No. 329748	⁸ Operator Name TASCOSA ENERGY PARTNERS, LLC.	
		⁶ Well Number 1H
		⁹ Elevation 3243'

¹⁰Surface Location

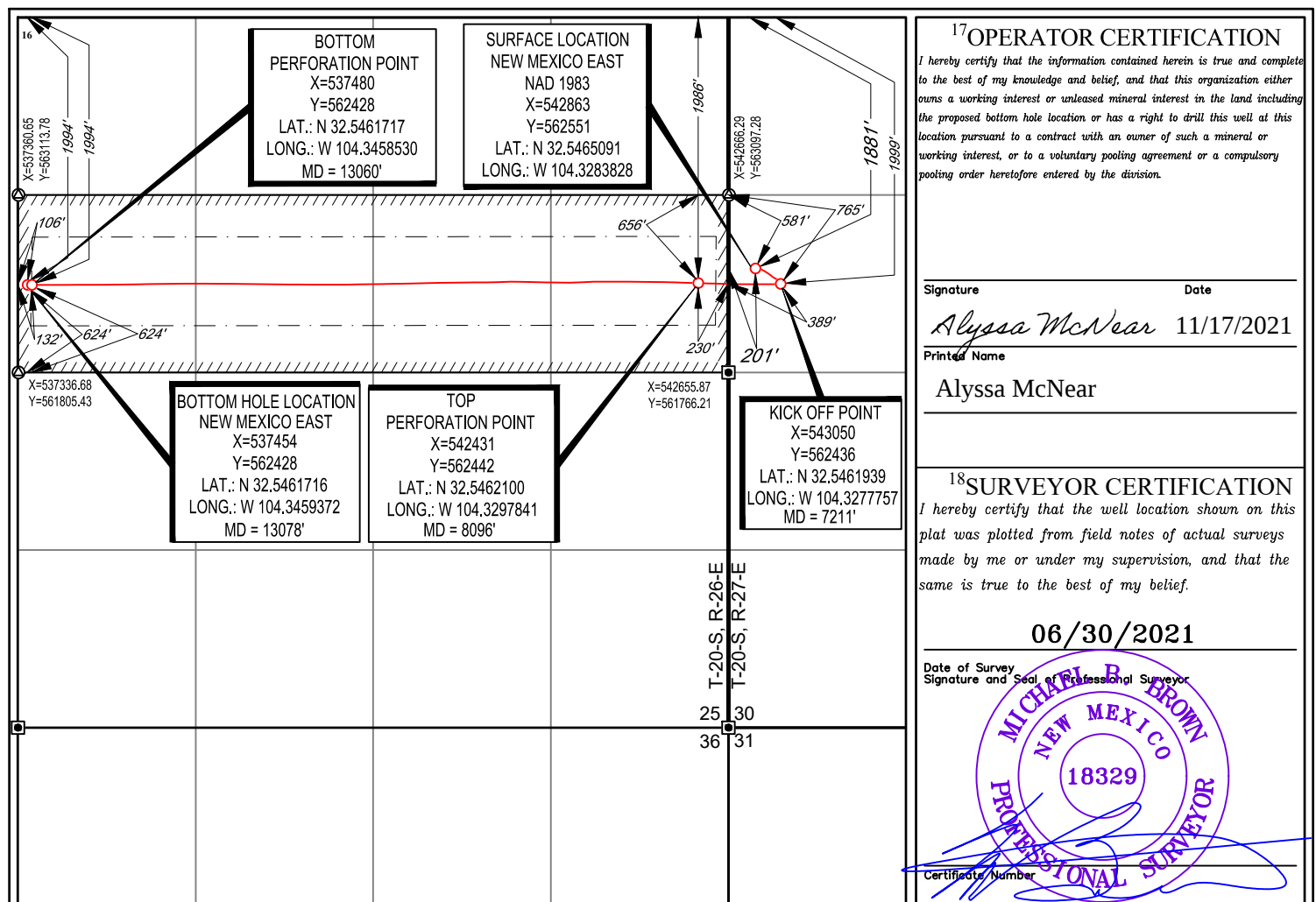
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
2	30	20-S	27-E	—	1881'	NORTH	201'	WEST	EDDY

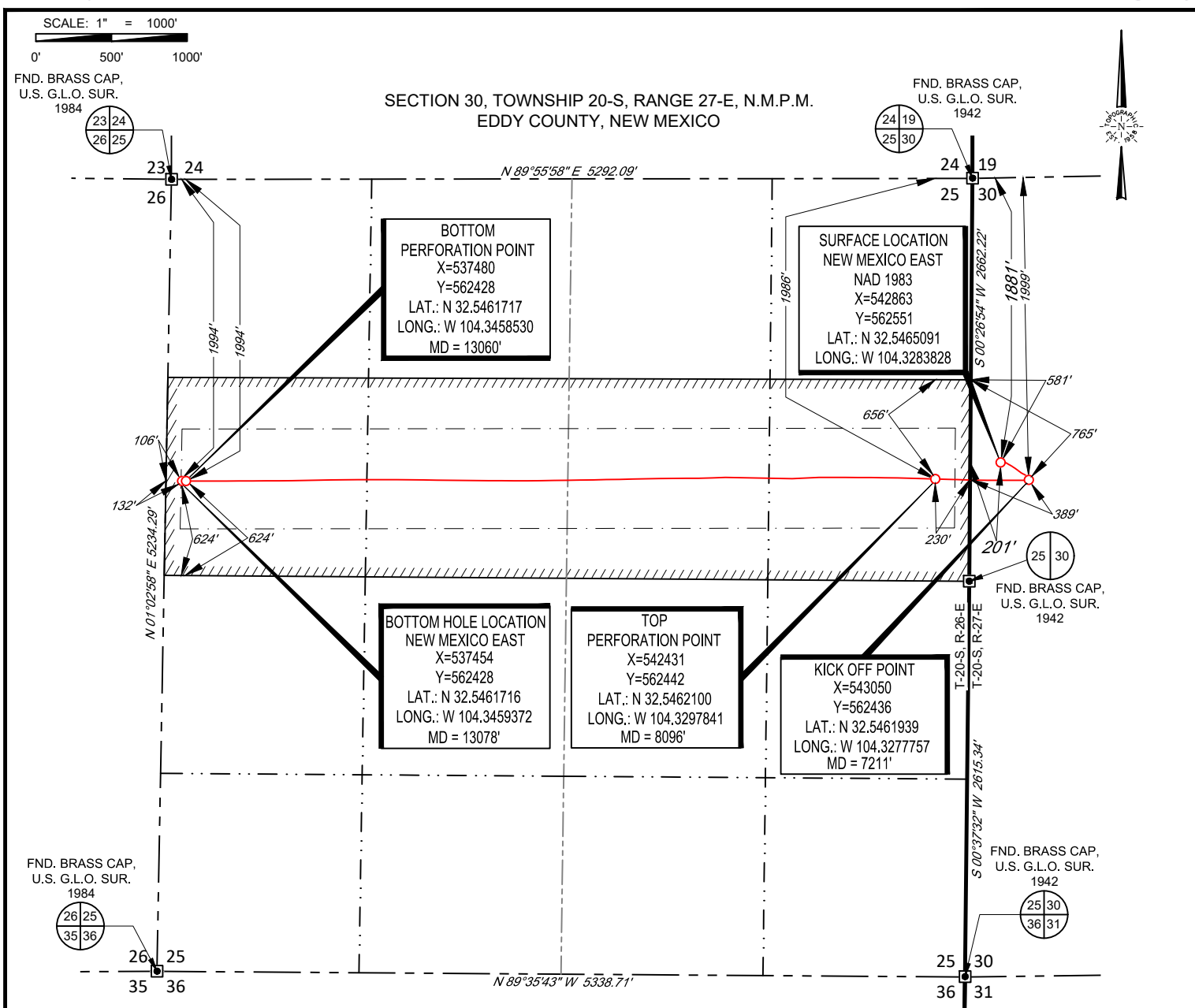
¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	25	20-S	26-E	-	1994'	NORTH	106'	WEST	EDDY

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.





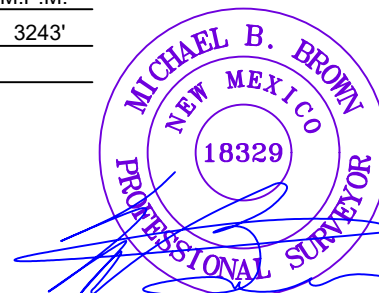
LEASE NAME & WELL NO.: CATALINA 25HE STATE #1H
SECTION 30 TWP 20-S RGE 27-E SURVEY N.M.P.M.
COUNTY EDDY STATE NM ELEVATION 3243'
DESCRIPTION 1881' FNL & 201' FWL

TASCOSA ENERGY
PARTNERS, LLC



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM



Michael Blake Brown, P.S. No. 18329
November 11, 2021

CATALINA 25HE STATE #1H AS-COMPLETED	REVISION:		NOTES: 1. ORIGINAL DOCUMENT SIZE: 8.5" X 11" 2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET. 3. THIS WELL LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY TASCOSA ENERGY PARTNERS, LLC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.
DATE: 11/11/2021			
FILE: AD_CATALINA_25HE_STATE_1H			
DRAWN BY: A.V.F.			
SHEET : 1 OF 1			



Tascosa Energy Partners, LLC.

Eddy County, NM (NAD 83 - NME)

Catalina

Catalina 25HE State 1H

OH / 68401

Survey: Phoenix MWD Surveys

Standard Survey Report

21 October, 2021



Phoenix Survey Report

Company:	Tascosa Energy Partners, LLC.	Local Co-ordinate Reference:	Well Catalina 25HE State 1H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB @ 3262.40usft (Akita 524)
Site:	Catalina	MD Reference:	RKB @ 3262.40usft (Akita 524)
Well:	Catalina 25HE State 1H	North Reference:	Grid
Wellbore:	OH / 68401	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Akita 524)	Database:	USA Compass

Project	Eddy County, NM (NAD 83 - NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Catalina		
Site Position:		Northing:	562,451.52 usft
From:	Lat/Long	Easting:	542,861.25 usft
Position Uncertainty:	1.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 32' 46.451040 N
		Longitude:	104° 19' 42.197880 W
		Grid Convergence:	0.00 °

Well	Catalina 25HE State 1H		
Well Position	+N/-S	0.00 usft	Northing: 562,551.00 usft
	+E/-W	0.00 usft	Easting: 542,863.00 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
		Latitude:	32° 32' 47.435470 N
		Longitude:	104° 19' 42.177309 W
		Ground Level:	3,243.00 usft

Wellbore	OH / 68401		
Magnetics	Model Name	Sample Date	Declination (°)
	MVHD	10/7/2021	6.97
			Dip Angle (°) 60.18
			Field Strength (nT) 47,728.46876037

Design	Surveys (Akita 524)		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.00	0.00	0.00
			Direction (°) 269.93

Survey Program	Date	10/21/2021		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.00	2,382.00	Phoenix Gyro Surveys (OH / 68401)	SPT_C100Gd_GTD_WLir	WLine- GyroTracer_Gasway (Oman) & Phoenix/C
2,382.00	13,078.00	Phoenix MWD Surveys (OH / 68401)	MWD+HRGM	OWSG MWD + HRGM

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)
2,382.00	0.95	36.35	2,381.65	5.91	7.76	-7.77	0.00	0.00	0.00
Tie In									
2,410.00	0.84	46.25	2,409.65	6.24	8.05	-8.06	0.68	-0.39	35.36
First Phoenix MWD Survey									
2,457.00	0.84	45.94	2,456.64	6.72	8.55	-8.56	0.01	0.00	-0.66
2,580.00	0.71	44.60	2,579.63	7.89	9.73	-9.74	0.11	-0.11	-1.09
2,666.00	0.71	39.24	2,665.62	8.68	10.44	-10.45	0.08	0.00	-6.23
2,751.00	0.68	16.85	2,750.62	9.57	10.92	-10.93	0.32	-0.04	-26.34
2,839.00	0.80	346.65	2,838.61	10.67	10.93	-10.94	0.46	0.14	-34.32



Phoenix Survey Report

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Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB @ 3262.40usft (Akita 524)
Site:	Catalina	MD Reference:	RKB @ 3262.40usft (Akita 524)
Well:	Catalina 25HE State 1H	North Reference:	Grid
Wellbore:	OH / 68401	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Akita 524)	Database:	USA Compass

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)
2,924.00	1.10	336.59	2,923.60	11.99	10.47	-10.48	0.40	0.35	-11.84
3,009.00	0.54	73.07	3,008.59	12.86	10.53	-10.54	1.50	-0.66	113.51
3,096.00	2.22	112.81	3,095.57	12.33	12.47	-12.49	2.11	1.93	45.68
3,185.00	3.67	118.91	3,184.45	10.28	16.56	-16.57	1.66	1.63	6.85
3,270.00	4.39	122.96	3,269.24	7.20	21.67	-21.68	0.91	0.85	4.76
3,356.00	4.63	122.59	3,354.97	3.54	27.35	-27.36	0.28	0.28	-0.43
3,441.00	5.26	121.63	3,439.65	-0.36	33.56	-33.56	0.75	0.74	-1.13
3,529.00	4.43	121.32	3,527.34	-4.24	39.90	-39.89	0.94	-0.94	-0.35
3,617.00	3.91	120.53	3,615.10	-7.53	45.39	-45.38	0.59	-0.59	-0.90
3,706.00	3.79	119.70	3,703.90	-10.53	50.56	-50.54	0.15	-0.13	-0.93
3,791.00	5.12	119.11	3,788.65	-13.76	56.31	-56.29	1.57	1.56	-0.69
3,879.00	4.60	122.12	3,876.33	-17.55	62.73	-62.71	0.66	-0.59	3.42
3,968.00	5.51	121.13	3,964.98	-21.66	69.41	-69.38	1.03	1.02	-1.11
4,056.00	5.59	119.38	4,052.57	-25.94	76.76	-76.73	0.21	0.09	-1.99
4,143.00	5.54	121.72	4,139.16	-30.23	84.03	-83.99	0.27	-0.06	2.69
4,232.00	7.34	126.27	4,227.59	-35.85	92.26	-92.22	2.10	2.02	5.11
4,320.00	7.05	125.92	4,314.90	-42.35	101.17	-101.12	0.33	-0.33	-0.40
4,407.00	6.63	126.59	4,401.28	-48.47	109.53	-109.47	0.49	-0.48	0.77
4,494.00	5.91	127.47	4,487.76	-54.19	117.11	-117.05	0.83	-0.83	1.01
4,579.00	5.02	127.60	4,572.37	-59.12	123.53	-123.46	1.05	-1.05	0.15
4,669.00	4.07	127.00	4,662.09	-63.45	129.20	-129.13	1.06	-1.06	-0.67
4,756.00	4.23	121.79	4,748.86	-67.00	134.40	-134.31	0.47	0.18	-5.99
4,844.00	4.86	118.93	4,836.59	-70.51	140.42	-140.33	0.76	0.72	-3.25
4,930.00	6.15	118.18	4,922.19	-74.45	147.67	-147.58	1.50	1.50	-0.87
5,015.00	5.41	117.61	5,006.75	-78.45	155.23	-155.14	0.87	-0.87	-0.67
5,101.00	4.66	118.33	5,092.42	-81.99	161.90	-161.80	0.88	-0.87	0.84
5,186.00	4.03	126.70	5,177.18	-85.42	167.33	-167.23	1.05	-0.74	9.85
5,274.00	3.93	135.14	5,264.97	-89.40	171.94	-171.83	0.67	-0.11	9.59
5,362.00	3.95	148.17	5,352.76	-94.11	175.67	-175.55	1.02	0.02	14.81
5,448.00	3.76	153.86	5,438.57	-99.16	178.47	-178.35	0.50	-0.22	6.62
5,535.00	2.24	176.43	5,525.45	-103.42	179.83	-179.71	2.18	-1.75	25.94
5,622.00	1.55	170.21	5,612.40	-106.28	180.14	-180.01	0.83	-0.79	-7.15
5,708.00	0.14	51.45	5,698.39	-107.36	180.42	-180.29	1.89	-1.64	-138.09
5,795.00	0.54	310.26	5,785.39	-107.03	180.19	-180.06	0.67	0.46	-116.31
5,884.00	0.19	138.08	5,874.39	-106.86	179.97	-179.84	0.82	-0.39	-193.46
5,971.00	0.35	118.66	5,961.39	-107.10	180.30	-180.17	0.21	0.18	-22.32
6,058.00	0.38	125.41	6,048.38	-107.39	180.77	-180.63	0.06	0.03	7.76
6,146.00	0.23	131.05	6,136.38	-107.68	181.14	-181.00	0.17	-0.17	6.41
6,234.00	0.34	48.05	6,224.38	-107.62	181.46	-181.33	0.44	0.13	-94.32
6,319.00	0.78	77.37	6,309.38	-107.33	182.22	-182.08	0.60	0.52	34.49
6,405.00	0.66	77.54	6,395.37	-107.09	183.27	-183.14	0.14	-0.14	0.20
6,491.00	0.96	100.86	6,481.36	-107.12	184.46	-184.33	0.51	0.35	27.12
6,576.00	1.26	80.29	6,566.35	-107.10	186.08	-185.95	0.58	0.35	-24.20



Phoenix Survey Report

Company:	Tascosa Energy Partners, LLC.	Local Co-ordinate Reference:	Well Catalina 25HE State 1H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB @ 3262.40usft (Akita 524)
Site:	Catalina	MD Reference:	RKB @ 3262.40usft (Akita 524)
Well:	Catalina 25HE State 1H	North Reference:	Grid
Wellbore:	OH / 68401	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Akita 524)	Database:	USA Compass

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)
6,662.00	1.83	63.83	6,652.32	-106.33	188.25	-188.12	0.83	0.66	-19.14
6,748.00	1.70	89.46	6,738.28	-105.71	190.76	-190.63	0.92	-0.15	29.80
6,837.00	1.03	206.56	6,827.26	-106.42	191.72	-191.59	2.65	-0.75	131.57
6,924.00	1.37	203.45	6,914.24	-108.07	190.95	-190.82	0.40	0.39	-3.57
7,011.00	1.51	208.52	7,001.21	-110.03	189.99	-189.86	0.22	0.16	5.83
7,097.00	1.49	208.48	7,087.19	-112.01	188.92	-188.78	0.02	-0.02	-0.05
7,124.00	1.48	206.41	7,114.18	-112.63	188.60	-188.46	0.20	-0.04	-7.67
7,211.00	1.91	224.43	7,201.14	-114.67	187.08	-186.94	0.78	0.49	20.71
1999' FNL, 389' FWL - Lat: 32° 32' 46.301 N, Long: 104° 19' 39.992 W - 7211.00' MD (7201.14' TVD) - X: 543050.08, Y: 5624									
7,301.00	13.94	263.52	7,290.14	-116.98	175.21	-175.07	13.90	13.37	43.43
7,386.00	25.05	271.97	7,370.16	-117.51	146.96	-146.82	13.45	13.07	9.94
7,476.00	34.89	269.84	7,448.03	-116.93	102.07	-101.92	11.00	10.93	-2.37
7,563.00	43.11	270.17	7,515.58	-116.91	47.36	-47.22	9.45	9.45	0.38
7,649.00	51.36	269.69	7,573.93	-117.01	-15.72	15.86	9.60	9.59	-0.56
7,736.00	58.32	269.92	7,624.00	-117.24	-86.80	86.94	8.00	8.00	0.26
7,823.00	67.20	270.86	7,663.78	-116.69	-164.07	164.21	10.25	10.21	1.08
7,863.36	72.14	272.15	7,677.80	-115.69	-201.89	202.03	12.61	12.25	3.19
Lat: 32° 32' 46.291 N, Long: 104° 19' 44.536 W - Lease Crossing - X: 542661.11, Y: 562435.31 - 1993' FNL - 7863.36' MD (7									
7,867.00	72.59	272.26	7,678.90	-115.56	-205.36	205.50	12.61	12.26	3.09
7,912.00	74.78	272.07	7,691.54	-113.93	-248.51	248.65	4.88	4.87	-0.42
7,956.00	79.69	271.39	7,701.26	-112.63	-291.39	291.53	11.26	11.16	-1.55
7,966.63	81.40	271.43	7,703.01	-112.38	-301.87	302.01	16.05	16.05	0.40
1990' FNL, 100' FEL - 7966.63' MD (7703.01' TVD) - X: 542561.13, Y: 562438.62 - Lat: 32° 32' 46.324 N, Long: 104° 19' 45.7									
7,999.00	86.59	271.56	7,706.39	-111.53	-334.04	334.18	16.05	16.05	0.39
8,086.00	90.84	271.58	7,708.34	-109.15	-420.97	421.10	4.89	4.89	0.02
8086.00' MD (7708.34' TVD) - X: 542442.03, Y: 562441.85 - Landing Point - Lat: 32° 32' 46.356 N, Long: 104° 19' 47.096 W									
8,173.00	92.60	271.84	7,705.73	-106.56	-507.89	508.02	2.04	2.02	0.30
8,258.00	93.13	271.69	7,701.48	-103.94	-592.74	592.87	0.65	0.62	-0.18
8,345.00	91.43	271.06	7,698.02	-101.86	-679.64	679.77	2.08	-1.95	-0.72
8,432.00	91.26	270.90	7,695.98	-100.37	-766.61	766.73	0.27	-0.20	-0.18
8,519.00	92.07	270.42	7,693.45	-99.37	-853.56	853.68	1.08	0.93	-0.55
8,608.00	91.73	270.28	7,690.50	-98.82	-942.51	942.63	0.41	-0.38	-0.16
8,694.00	91.54	270.20	7,688.05	-98.46	-1,028.48	1,028.60	0.24	-0.22	-0.09
8,781.00	91.68	270.22	7,685.60	-98.15	-1,115.44	1,115.56	0.16	0.16	0.02
8,866.00	90.73	269.48	7,683.82	-98.37	-1,200.42	1,200.54	1.42	-1.12	-0.87
8,954.00	89.27	265.01	7,683.82	-102.60	-1,288.29	1,288.42	5.34	-1.66	-5.08
9,043.00	87.93	270.36	7,685.99	-106.19	-1,377.16	1,377.29	6.20	-1.51	6.01
9,133.00	88.32	271.06	7,688.94	-105.08	-1,467.11	1,467.23	0.89	0.43	0.78
9,222.00	89.86	271.16	7,690.35	-103.35	-1,556.07	1,556.20	1.73	1.73	0.11
9,309.00	91.48	271.17	7,689.33	-101.58	-1,643.05	1,643.17	1.86	1.86	0.01
9,396.00	92.49	271.04	7,686.32	-99.91	-1,729.98	1,730.10	1.17	1.16	-0.15
9,485.00	93.21	270.89	7,681.89	-98.41	-1,818.85	1,818.97	0.83	0.81	-0.17
9,572.00	93.86	265.49	7,676.53	-101.15	-1,905.61	1,905.74	6.24	0.75	-6.21
9,662.00	93.07	270.97	7,671.08	-103.92	-1,995.37	1,995.50	6.14	-0.88	6.09



Phoenix Survey Report

Company:	Tascosa Energy Partners, LLC.	Local Co-ordinate Reference:	Well Catalina 25HE State 1H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB @ 3262.40usft (Akita 524)
Site:	Catalina	MD Reference:	RKB @ 3262.40usft (Akita 524)
Well:	Catalina 25HE State 1H	North Reference:	Grid
Wellbore:	OH / 68401	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Akita 524)	Database:	USA Compass

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)
9,747.00	92.46	269.32	7,666.98	-103.71	-2,080.27	2,080.39	2.07	-0.72	-1.94
9,835.00	91.65	269.32	7,663.83	-104.75	-2,168.20	2,168.33	0.92	-0.92	0.00
9,922.00	90.17	269.44	7,662.44	-105.69	-2,255.19	2,255.31	1.71	-1.70	0.14
10,012.00	90.28	268.68	7,662.09	-107.17	-2,345.17	2,345.30	0.85	0.12	-0.84
10,098.00	91.15	268.54	7,661.02	-109.25	-2,431.14	2,431.27	1.02	1.01	-0.16
10,184.00	91.01	269.02	7,659.40	-111.09	-2,517.10	2,517.24	0.58	-0.16	0.56
10,273.00	91.09	268.92	7,657.77	-112.68	-2,606.08	2,606.21	0.14	0.09	-0.11
10,359.00	92.27	268.72	7,655.24	-114.46	-2,692.02	2,692.16	1.39	1.37	-0.23
10,445.00	92.38	269.30	7,651.76	-115.94	-2,777.93	2,778.08	0.69	0.13	0.67
10,532.00	92.33	269.42	7,648.18	-116.91	-2,864.86	2,865.00	0.15	-0.06	0.14
10,619.00	92.32	268.69	7,644.65	-118.34	-2,951.77	2,951.91	0.84	-0.01	-0.84
10,706.00	92.52	269.30	7,640.98	-119.87	-3,038.68	3,038.83	0.74	0.23	0.70
10,793.00	90.08	270.01	7,639.00	-120.39	-3,125.65	3,125.79	2.92	-2.80	0.82
10,881.00	91.06	270.06	7,638.13	-120.34	-3,213.64	3,213.79	1.12	1.11	0.06
10,966.00	89.83	270.40	7,637.47	-120.00	-3,298.64	3,298.78	1.50	-1.45	0.40
11,051.00	89.97	270.27	7,637.62	-119.50	-3,383.64	3,383.78	0.22	0.16	-0.15
11,137.00	91.04	270.36	7,636.86	-119.03	-3,469.63	3,469.77	1.25	1.24	0.10
11,223.00	92.44	270.45	7,634.25	-118.42	-3,555.59	3,555.73	1.63	1.63	0.10
11,309.00	91.96	270.67	7,630.95	-117.58	-3,641.52	3,641.66	0.61	-0.56	0.26
11,394.00	90.56	270.95	7,629.08	-116.38	-3,726.49	3,726.63	1.68	-1.65	0.33
11,480.00	90.06	270.77	7,628.61	-115.09	-3,812.48	3,812.62	0.62	-0.58	-0.21
11,565.00	90.76	270.46	7,628.00	-114.18	-3,897.47	3,897.61	0.90	0.82	-0.36
11,654.00	91.99	270.38	7,625.87	-113.52	-3,986.44	3,986.58	1.38	1.38	-0.09
11,740.00	91.96	270.34	7,622.90	-112.98	-4,072.39	4,072.52	0.06	-0.03	-0.05
11,827.00	90.73	269.70	7,620.86	-112.95	-4,159.36	4,159.50	1.59	-1.41	-0.74
11,914.00	91.82	269.60	7,618.93	-113.48	-4,246.34	4,246.47	1.26	1.25	-0.11
12,004.00	92.21	269.56	7,615.76	-114.14	-4,336.28	4,336.41	0.44	0.43	-0.04
12,090.00	91.79	269.18	7,612.76	-115.09	-4,422.22	4,422.36	0.66	-0.49	-0.44
12,177.00	92.52	269.17	7,609.49	-116.34	-4,509.15	4,509.29	0.84	0.84	-0.01
12,262.00	93.39	268.67	7,605.11	-117.94	-4,594.02	4,594.16	1.18	1.02	-0.59
12,350.00	93.22	269.19	7,600.03	-119.58	-4,681.86	4,682.00	0.62	-0.19	0.59
12,437.00	91.76	269.61	7,596.25	-120.49	-4,768.77	4,768.91	1.75	-1.68	0.48
12,524.00	90.64	269.68	7,594.43	-121.03	-4,855.75	4,855.89	1.29	-1.29	0.08
12,612.00	91.18	269.78	7,593.03	-121.44	-4,943.73	4,943.88	0.62	0.61	0.11
12,697.00	93.95	269.78	7,589.23	-121.77	-5,028.64	5,028.79	3.26	3.26	0.00
12,784.00	93.22	269.66	7,583.79	-122.19	-5,115.47	5,115.61	0.85	-0.84	-0.14
12,872.00	91.76	269.85	7,579.97	-122.57	-5,203.38	5,203.53	1.67	-1.66	0.22
12,957.00	92.83	270.18	7,576.56	-122.55	-5,288.31	5,288.46	1.32	1.26	0.39
13,003.00	93.16	269.94	7,574.16	-122.50	-5,334.25	5,334.40	0.89	0.72	-0.52
Final Phoenix MWD Survey									
13,078.00	93.16	269.94	7,570.03	-122.58	-5,409.13	5,409.28	0.00	0.00	0.00
Closure Direction: 268.70° - Closure Distance: 5410.52' - 1994' FNL, 106' FWL - 13078.00' MD (7570.03' TVD) - Lat: 32° 3'									



Phoenix Survey Report

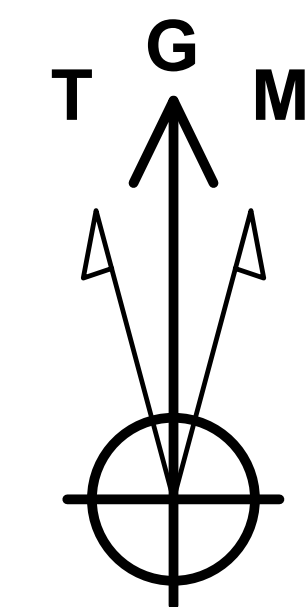
Company:	Tascosa Energy Partners, LLC.	Local Co-ordinate Reference:	Well Catalina 25HE State 1H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB @ 3262.40usft (Akita 524)
Site:	Catalina	MD Reference:	RKB @ 3262.40usft (Akita 524)
Well:	Catalina 25HE State 1H	North Reference:	Grid
Wellbore:	OH / 68401	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Akita 524)	Database:	USA Compass

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
+N/-S (usft)	+E/-W (usft)			
2,382.00	2,381.65	5.91	7.76	Tie In
2,410.00	2,409.65	6.24	8.05	First Phoenix MWD Survey
7,211.00	7,201.14	-114.67	187.08	1999' FNL, 389' FWL
7,211.00	7,201.14	-114.67	187.08	Lat: 32° 32' 46.301 N, Long: 104° 19' 39.992 W
7,211.00	7,201.14	-114.67	187.08	7211.00' MD (7201.14' TVD)
7,211.00	7,201.14	-114.67	187.08	X: 543050.08, Y: 562436.33
7,211.00	7,201.14	-114.67	187.08	KOP
7,863.36	7,677.80	-115.69	-201.89	Lat: 32° 32' 46.291 N, Long: 104° 19' 44.536 W
7,863.36	7,677.80	-115.69	-201.89	Lease Crossing
7,863.36	7,677.80	-115.69	-201.89	X: 542661.11, Y: 562435.31
7,863.36	7,677.80	-115.69	-201.89	1993' FNL
7,863.36	7,677.80	-115.69	-201.89	7863.36' MD (7677.80' TVD)
7,966.63	7,703.01	-112.38	-301.87	1990' FNL, 100' FEL
7,966.63	7,703.01	-112.38	-301.87	7966.63' MD (7703.01' TVD)
7,966.63	7,703.01	-112.38	-301.87	X: 542561.13, Y: 562438.62
7,966.63	7,703.01	-112.38	-301.87	Lat: 32° 32' 46.324 N, Long: 104° 19' 45.704 W
7,966.63	7,703.01	-112.38	-301.87	100' FWL Crossing
8,086.00	7,708.34	-109.15	-420.97	8086.00' MD (7708.34' TVD)
8,086.00	7,708.34	-109.15	-420.97	X: 542442.03, Y: 562441.85
8,086.00	7,708.34	-109.15	-420.97	Landing Point
8,086.00	7,708.34	-109.15	-420.97	Lat: 32° 32' 46.356 N, Long: 104° 19' 47.096 W
8,086.00	7,708.34	-109.15	-420.97	1986' FNL, 219' FEL
13,003.00	7,574.16	-122.50	-5,334.25	Final Phoenix MWD Survey
13,078.00	7,570.03	-122.58	-5,409.13	Closure Direction: 268.70°
13,078.00	7,570.03	-122.58	-5,409.13	Closure Distance: 5410.52'
13,078.00	7,570.03	-122.58	-5,409.13	1994' FNL, 106' FWL
13,078.00	7,570.03	-122.58	-5,409.13	13078.00' MD (7570.03' TVD)
13,078.00	7,570.03	-122.58	-5,409.13	Lat: 32° 32' 46.221 N, Long: 104° 20' 45.373 W
13,078.00	7,570.03	-122.58	-5,409.13	Actual BHL
13,078.00	7,570.03	-122.58	-5,409.13	X: 537453.87, Y: 562428.42

Tascosa Energy Partners, LLC.

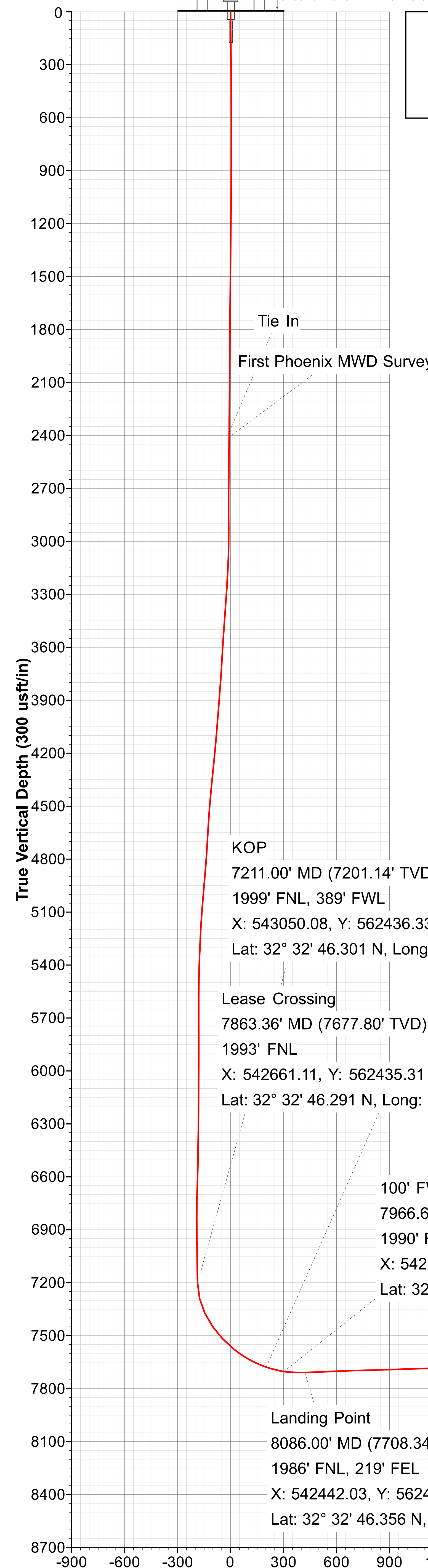
Project: Eddy County, NM (NAD 83 - NME)
Site: Catalina
Well: Catalina 25HE State 1H
Wellbore: OH / 68401
Design: Surveys (Akita 524)
Rig: Akita 524



Azimuths to Grid North
True North: 0.00°
Magnetic North: 6.96°

Magnetic Field
Strength: 47728.5nT
Dip Angle: 60.18°
Date: 10/7/2021
Model: MVHD

RKB @ 3262.40usft (Akita 524)
Ground Level: 3243.00



WELL DETAILS					
	Ground Level:	3243.00			
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	562551.00	542863.00	32° 32' 47.435470 N	104° 19' 42.177309 W

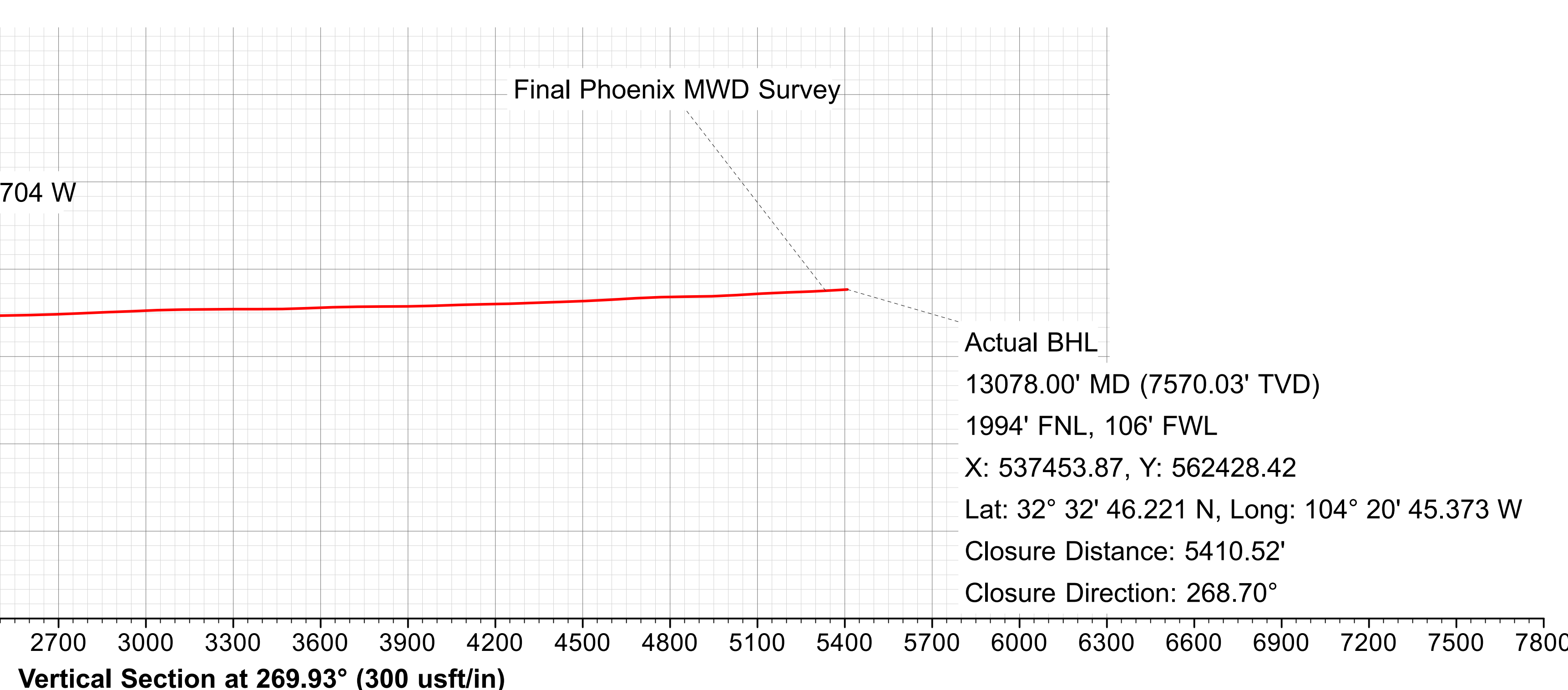
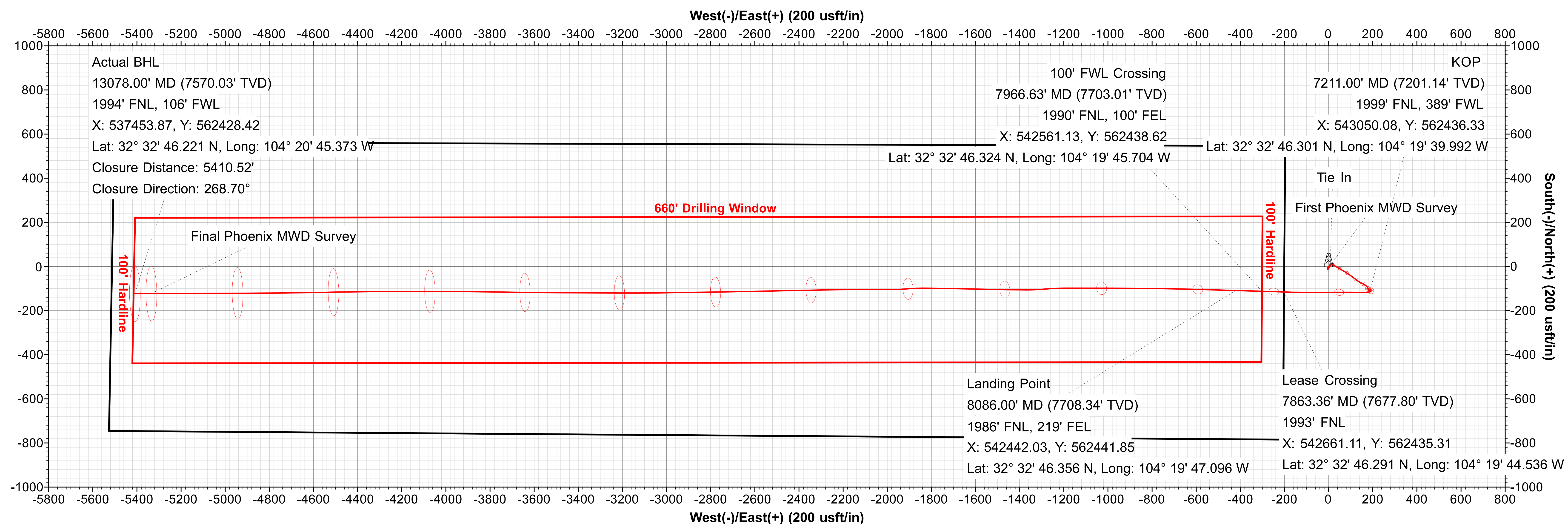
Surface Location

1881' FNL, 201' FWL

X: 542863.00, Y: 562551.00

Lat: 32° 32' 47.435 N, Long: 104° 19' 42.177 W

KOP	Lease Crossing	100' FWL Crossing	Landing Point	Actual BHL
7211.00' MD (7201.14' TVD) 1999' FNL, 389' FWL X: 543050.08, Y: 562436.33 Lat: 32° 32' 46.301 N, Long: 104° 19' 39.992 W	7863.36' MD (7677.80' TVD) 1993' FNL X: 542661.11, Y: 562435.31 Lat: 32° 32' 46.291 N, Long: 104° 19' 44.536 W	7966.63' MD (7703.01' TVD) 1990' FNL, 100' FEL X: 542561.13, Y: 562438.62 Lat: 32° 32' 46.324 N, Long: 104° 19' 45.704 W	8086.00' MD (7708.34' TVD) 1986' FNL, 219' FEL X: 542442.03, Y: 562441.85 Lat: 32° 32' 46.356 N, Long: 104° 19' 47.096 W	13078.00' MD (7570.03' TVD) 1994' FNL, 106' FWL X: 537453.87, Y: 562428.42 Lat: 32° 32' 46.221 N, Long: 104° 20' 45.373 W Closure Distance: 5410.52' Closure Direction: 268.70°



Map System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone Name: New Mexico Eastern Zone

Local Origin: Well Catalina 25HE State 1H, Grid North

Latitude: 32° 32' 47.435470 N
Longitude: 104° 19' 42.177309 W

Grid East: 542863.00
Grid North: 562551.00
Scale Factor: 1.000

Geomagnetic Model: MVHD
Sample Date: 07-Oct-21
Magnetic Declination: 6.97°
Dip Angle from Horizontal: 60.18°
Magnetic Field Strength: 47728.46876037nT

To convert a Magnetic Direction to a Grid Direction, Add 6.96°
To convert a Magnetic Direction to a True Direction, Add 6.97° East
To convert a True Direction to a Grid Direction, Subtract 0.00°



Company: Tascosa Energy Partners LLC
 Well: Catalina 25HE State No. 1H
 Location: Eddy Co., New Mexico
 Rig: Akita # 524

Job Number: 68513
 Grid Corr.: 0.00
 Lat: 32.546509
 Long: -104.32838

Date: 10/02/21
 Calculation Method: Minimum Curvature
 Vertical Section AZI: 269.93
 RKB - MSL in feet: 20
 Tie Into: Ground

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
Enter Tie-In Survey on Line 10													
FIELD COPY, NON-DEFINITIVE													
TIE IN	0			0	0	0	0	0					
Gyro	100.00	0.67	227.08	100	100.00	0.43	0.40 S	0.43 W	0.58	227.08	0.67	0.67	227.08
	200.00	1.37	213.92	100	199.98	1.53	1.79 S	1.52 W	2.35	220.43	0.73	0.70	-13.16
	300.00	1.38	198.32	100	299.95	2.57	3.92 S	2.57 W	4.69	213.22	0.37	0.01	-15.60
	400.00	1.19	202.90	100	399.93	3.36	6.02 S	3.35 W	6.89	209.09	0.22	-0.19	4.58
	500.00	1.45	188.22	100	499.90	3.95	8.23 S	3.94 W	9.12	205.56	0.42	0.26	-14.68
	600.00	1.28	191.80	100	599.87	4.36	10.58 S	4.35 W	11.44	202.34	0.19	-0.17	3.58
	700.00	1.32	171.52	100	699.85	4.42	12.81 S	4.40 W	13.55	198.97	0.46	0.04	-20.28
	800.00	0.17	80.58	100	799.84	4.11	13.93 S	4.09 W	14.51	196.36	1.33	-1.15	-90.94
	900.00	0.21	54.39	100	899.84	3.81	13.79 S	3.79 W	14.31	195.37	0.09	0.04	-26.19
	1000.00	0.76	29.66	100	999.83	3.33	13.11 S	3.32 W	13.52	194.19	0.58	0.55	-24.73
	1100.00	0.83	29.94	100	1099.82	2.64	11.91 S	2.63 W	12.19	192.44	0.07	0.07	0.28
	1200.00	0.76	36.73	100	1199.81	1.88	10.75 S	1.87 W	10.91	189.86	0.12	-0.07	6.79
	1300.00	1.01	35.57	100	1299.80	0.97	9.50 S	0.96 W	9.55	185.76	0.25	0.25	-1.16
	1400.00	0.71	31.35	100	1399.79	0.13	8.25 S	0.12 W	8.25	180.86	0.31	-0.30	-4.22
	1500.00	0.97	46.75	100	1499.78	-0.81	7.14 S	0.82 E	7.19	173.49	0.34	0.26	15.40
	1600.00	1.04	34.19	100	1599.77	-1.93	5.81 S	1.94 E	6.13	161.53	0.23	0.07	-12.56
	1700.00	0.90	33.76	100	1699.75	-2.88	4.41 S	2.89 E	5.27	146.78	0.14	-0.14	-0.43
	1800.00	1.08	28.97	100	1799.74	-3.78	2.93 S	3.78 E	4.79	127.80	0.20	0.18	-4.79
	1900.00	1.25	13.89	100	1899.72	-4.50	1.05 S	4.50 E	4.62	103.13	0.35	0.17	-15.08
	2000.00	1.07	15.27	100	1999.69	-5.01	0.91 N	5.01 E	5.09	79.70	0.18	-0.18	1.38
	2100.00	0.73	19.50	100	2099.68	-5.47	2.41 N	5.47 E	5.97	66.19	0.35	-0.34	4.23
	2200.00	0.91	26.32	100	2199.67	-6.04	3.72 N	6.03 E	7.09	58.31	0.20	0.18	6.82
	2300.00	0.85	46.50	100	2299.66	-6.93	4.95 N	6.92 E	8.51	54.45	0.31	-0.06	20.18
	2382.00	0.95	36.35	82	2381.65	-7.77	5.91 N	7.76 E	9.76	52.71	0.23	0.12	-12.38

Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude			NAD	

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude			NAD	

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude			NAD	

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

Estimated Formation Tops

Formation:	Top:	Formation:	Top:

District I

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

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 60990

ACKNOWLEDGMENTS

Operator: Tascosa Energy Partners, L.L.C 901 W. Missouri Ave Midland, TX 79701	OGRID: 329748
	Action Number: 60990
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 60990

CONDITIONS

Operator: Tascosa Energy Partners, L.L.C 901 W. Missouri Ave Midland, TX 79701	OGRID: 329748
	Action Number: 60990
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	2/21/2022