

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Road, Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural ResourcesOil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505Form C-101
March 4, 2004Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies☒ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address PERENCO LLC. 6 DESTA DRIVE SUITE 6800 MIDLAND, TEXAS 79705		OGRID Number 218885
Property Code		API Number 30-015-33614
Property Name FEDERAL COM. 1625	Well No. 321	

7 Surface Location

UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
D	32	16S	25E		800'	NORTH	960	WEST	EDDY

8 Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
A	32	16S	25E		800'	NORTH	660'	EAST	EDDY
Proposed Pool 1 WILDCAT COTTONWOOD CREEK ABO-EAST					Proposed Pool 2				

Drilling Pit Location and Other Information

UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
D	32	16S	25E		800'	NORTH	960'	WEST	EDDY
Depth to ground water 135' Est.			Distance from nearest fresh water well 3000'			Distance from nearest surface water RIO PENASCO 6MI SW			
Work Type Code N		Well Type Code G		Cable/Rotary ROTARY		Lease Type Code S		Ground Level Elevation 3602'	
Multiple NO		Proposed Depth 5500'		Formation ABO		Contractor PATTERSON		Spud Date PRIOR TO 10/01/04	

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8"	48	350'	450 Sx.	Surface
12 1/2"	9 5/8"	40	1200'	475 Sx.	Surface
8 3/4"	7"	26	5500'	670 Sx.	900' FS
6 1/8"	4 1/2"	11.35	4150'	Not cemented	

22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

SEE ATTACHMENTS

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Signature:

Printed name: Joe T. Janica

Title: Agent

E-mail Address:

Date: 08/29/04

Phone: 505-391-8503

OIL CONSERVATION DIVISION

Approved by:

TIM W. GUM

Title: DISTRICT II SUPERVISOR

Approval Date: SEP 13 2004 Expiration Date: SEP 13 2005

Conditions of Approval:

Attached ☐ Operator to submit H2S

Contingency Plan or letter of statement.
That if a review does not meet conditions
of plan before spud.

Like approval of BLM

STATE LEASE VO-5626-1 EXPIRES 10/01/04 PLEASE EXPEDITE

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Operator Name and Address PERENCO LLC. 6 DESTA DRIVE SUITE 6800 MIDLAND, TEXAS 79705		OGRID Number 218885
Property Code		API Number 30 -
Property Name FEDERAL COM. 1625	Well No. 321	

7 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	32	16S	25E		700'	NORTH	660'	WEST	EDDY

8 Proposed 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
A	32	16S	25E		700'	NORTH	660'	EAST	EDDY

9 Proposed Pool 1

WILDCAT COTTONWOOD CREEK ABO-EAST

10 Proposed Pool 2

Drilling Pit Location and Other Information

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	32	16S	25E		700'	NORTH	660'	WEST	EDDY
Depth to ground water 135' Est.					Distance from nearest fresh water well 3000'		Distance from nearest surface water RIO PENASCO 6MI SW		
11 Work Type Code N		12 Well Type Code G		13 Cable/Rotary ROTARY		14 Lease Type Code S		15 Ground Level Elevation 3602'	
16 Multiple NO		17 Proposed Depth 5500'		18 Formation ABO		19 Contractor PATTERSON		20 Spud Date PRIOR TO 10/01/04	

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
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22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

SEE ATTACHMENTS

23 I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOC guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Signature:

Printed name: Joe T. Janica

Title: Agent

E-mail Address:

Date: 08/17/04

Phone: 505-391-8503

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Attached ☐

TIM W. GUM

DISTRICT II SUPERVISOR

Expiration Date: SEP 13 2005

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000**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 reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

PERENCO, LLC

3a. Address 6 DESTA DRIVE SUITE 6800

MIDLAND, TEXAS 79705

3b. Phone No. (include area code)

432-682-8553

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

SURFACE: 960' FWL & 800' FNL SEC. 32 T16S-R25E

BOTTOM HOLE: 660' FEL & 800' FNL SEC. 32 T16S-R25E

5. Lease Serial No.

NM-90947

6. If Indian, Allottee or Tribe Name

7. If Unit or C/A Agreement, Name and/or No.

8. Well Name and No.

FEDERAL COM. "1625" # 321

9. API Well No.

10. Field and Pool, or Exploratory Area

WILDCAT COTTONWOOD CREEK ABO

11. County or Parish, State

EDDY CO. NEW MEXICO

12. CHECK 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
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Move location
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

1. Perenco LLC requests the approval to move the location of their FEDERAL COM. "1625" # 321. From: 660' FWL & 700' FNL SECTION 32 T16S-R25E Eddy. Co. NM
To: 960' FWL & 800' FNL " " " " " " "

BOTTOM HOLE LOCATION WILL BE MOVED ALSO.

From: 660' FEL & 700' FNL SEC. 32 T16S-R25E EDDY CO. NM
To: 660' FEL & 800' FNL " " " " " " "

2. The reason for this move is that The Bureau of Land Management Wildlife Biologist requested this move because of possible interference with wildlife habitat.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Joe T. Janica

Title Agent

Signature

Date 08/29/04

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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

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.

J. 25 N. French Dr., Hobbs, NM 88240

State of New Mexico
Energy, Minerals & Natural Resources DepartmentForm C-102
Revised August 15, 2000
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 CopiesDISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719DISTRICT III
1000 Rio Brazos Ed., Artesia, NM 87410DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
		WILDCAT COTTONWOOD CREEK ABO-EAST
Property Code	Property Name FED-COM 1625	Well Number 321
GRID No. 218885	Operator Name PERENCO, LLC	Elevation 3606'

Surface Location

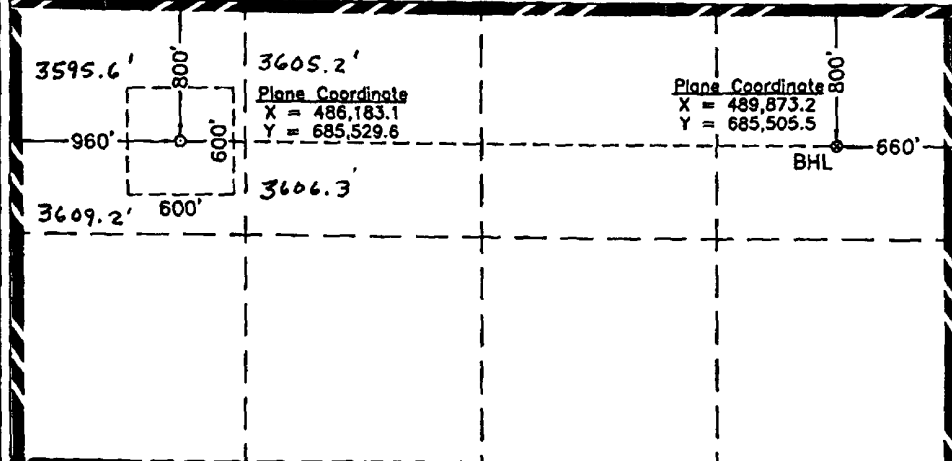
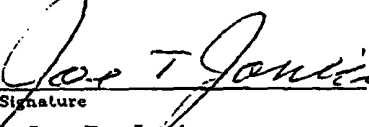
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	32	16 S	25 E		800	NORTH	960	WEST	EDDY

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
A	32	16 S	25 E		800	NORTH	660	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			

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

	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature Joe T. Janica Printed Name Agent Title 08/29/04 Date
NOTE: 1) Plane Coordinates shown hereon are Transverse Mercator Grid and Conform to the "New Mexico Coordinate System", New Mexico East Zone, North American Datum of 1983. Distances shown hereon are mean horizontal surface values.	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. August 28, 2004 Date Surveyed Signature & Seal of Professional Surveyor  W.O. Num. 2004-0526 Certificate No. MACON McDONALD 12185

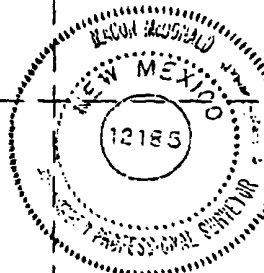
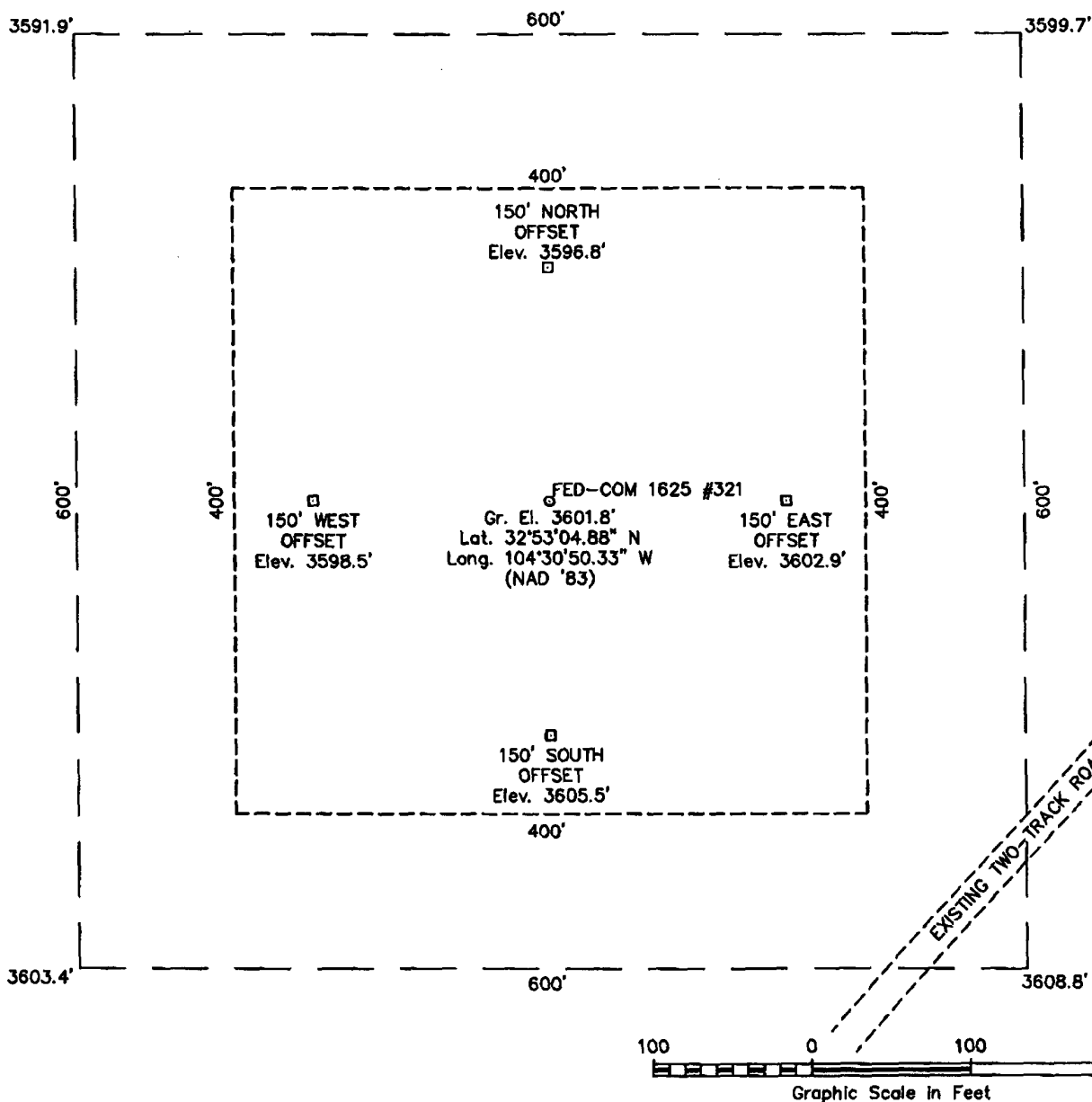


EXHIBIT "A"

SECTION 32, TOWNSHIP 16 SOUTH, RANGE 25 EAST, N.M.P.M.

EDDY COUNTY

NEW MEXICO

DRIVING DIRECTIONS

FROM THE INTERSECTION OF U.S. HIGHWAY 82 AND A CALICHE LEASE ROAD ABOUT 5 MILES WEST OF ARTESIA, NM GO NORTH ON SAID LEASE ROAD 1.0 MILE TO A TWO-TRACK ROAD, THEN CONTINUE NORTH ON TWO-TRACK ROAD 2.0 MILES TO ANOTHER TWO-TRACK ROAD ON WEST SIDE OF ROAD. THEN GO WEST AND SOUTHWEST ON SAID TWO-TRACK ROAD 0.9 MILE TO A POINT ON EAST LINE OF THE WELL PAD FOR PROPOSED LOCATION.

**WEST
COMPANY**
of Midland, Inc.

110 W. LOUISIANA, STE. 110
MIDLAND TEXAS, 79701
(432) 687-0865 - (432) 687-0868 FAX

PERENCO, LLC

FED-COM 1625 #321

Located 700' FNL & 660' FWL, Section 32
Township 16 South, Range 25 East, N.M.P.M.
Eddy County, New Mexico

Drawn By: LVA

Date: August 9, 2004

Scale: 1"=100'

Field Book: 287 / 5-8

Revision Date:

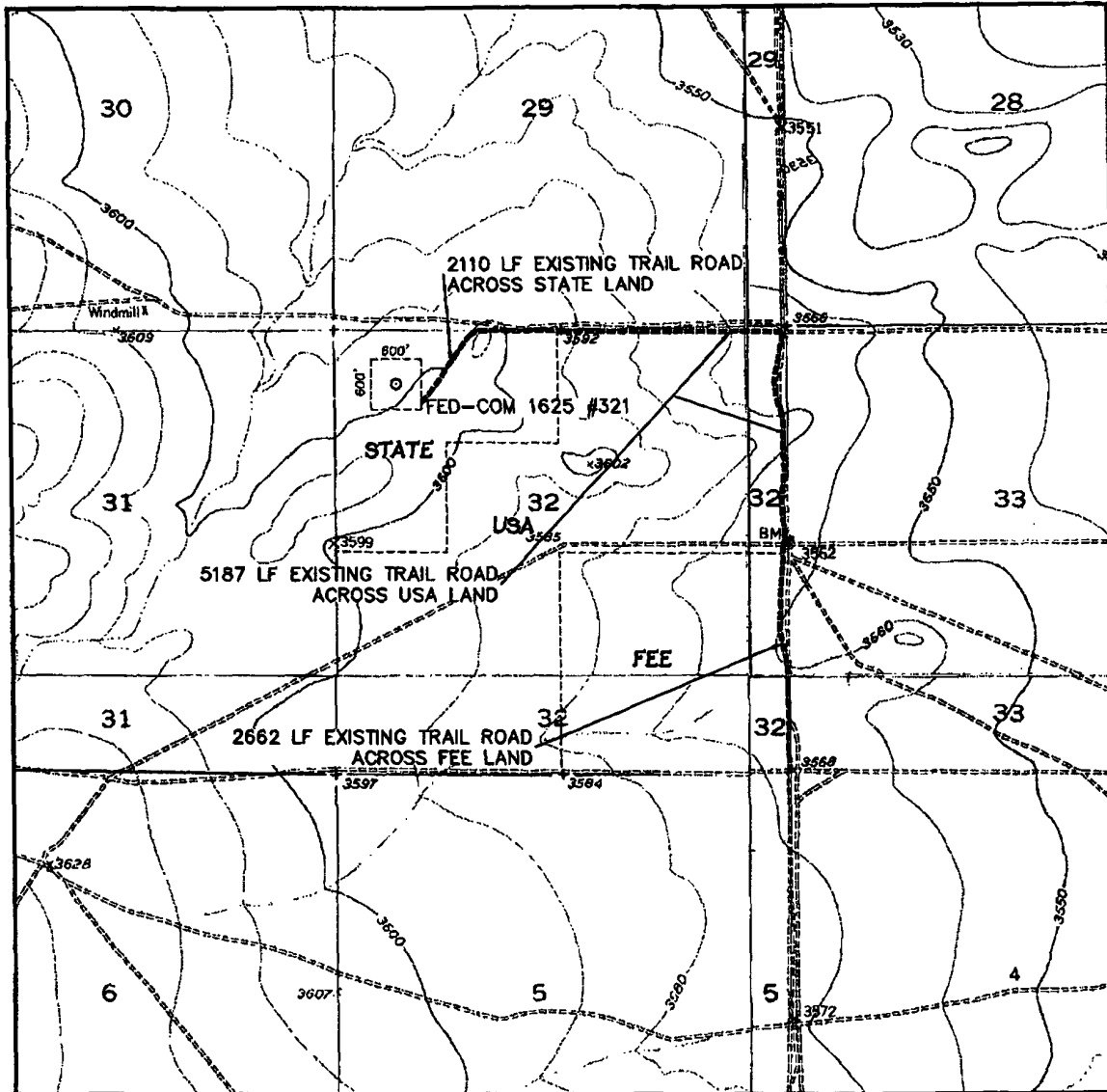
Quadrangle: Hope NE

W.O. No: 2004-0526

Dwg. No.: L-2004-0526-A

L-2004-0526-A

LOCATION VERIFICATION MAP



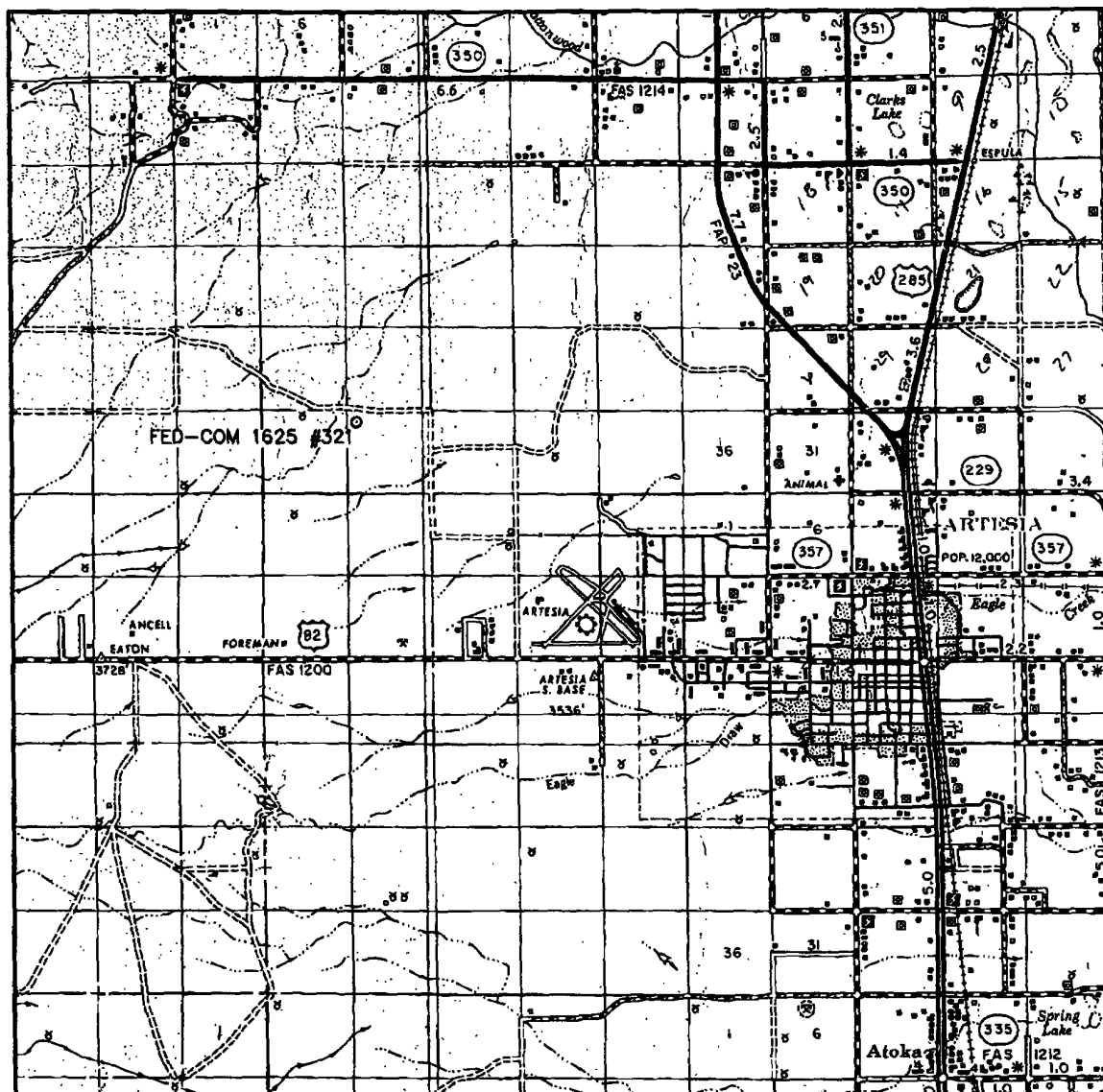
SCALE: 1" = 2000'

CONTOUR INTERVAL:
HOPE NE, HOPE SE
ESPUELA AND ARTESIA - 10'SEC. 32 TWP. 16-S RGE. 25-ESURVEY N.M.P.M.COUNTY EDDYDESCRIPTION 700' FNL & 660' FWLELEVATION 3602'OPERATOR PERENCO, LLCLEASE FED-COM 1625U.S.G.S. TOPOGRAPHIC MAPS
HOPE NE, N.M. ESPUELA, N.M.
HOPE SE, N.M. ARTESIA, N.M.

WEST
COMPANY
of Midland, Inc.

110 W. LOUISIANA, STE. 110
MIDLAND TEXAS, 79701
(432) 687-0865 - (432) 687-0868 FAX

VICINITY MAP



SCALE: 1" = 2 MILES

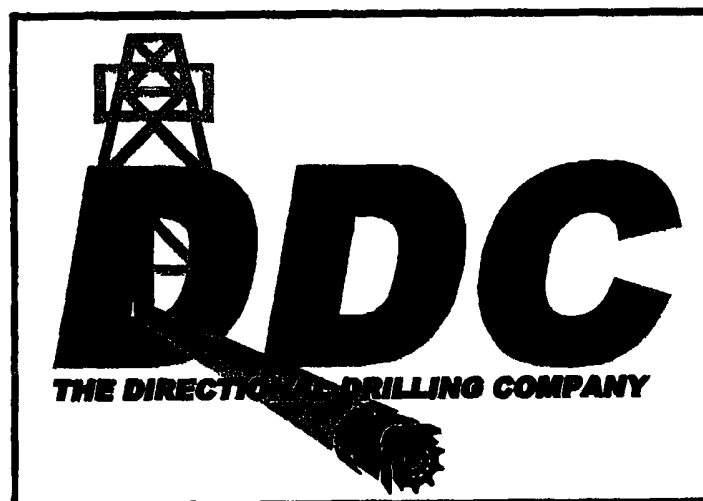
SEC. 32 TWP. 16-S RGE. 25-ESURVEY N.M.P.M.COUNTY EDDYDESCRIPTION 700' FNL & 660' FWLELEVATION 3602'OPERATOR PERENCO, LLCLEASE FED-COM 1625

WEST
COMPANY
of Midland, Inc.

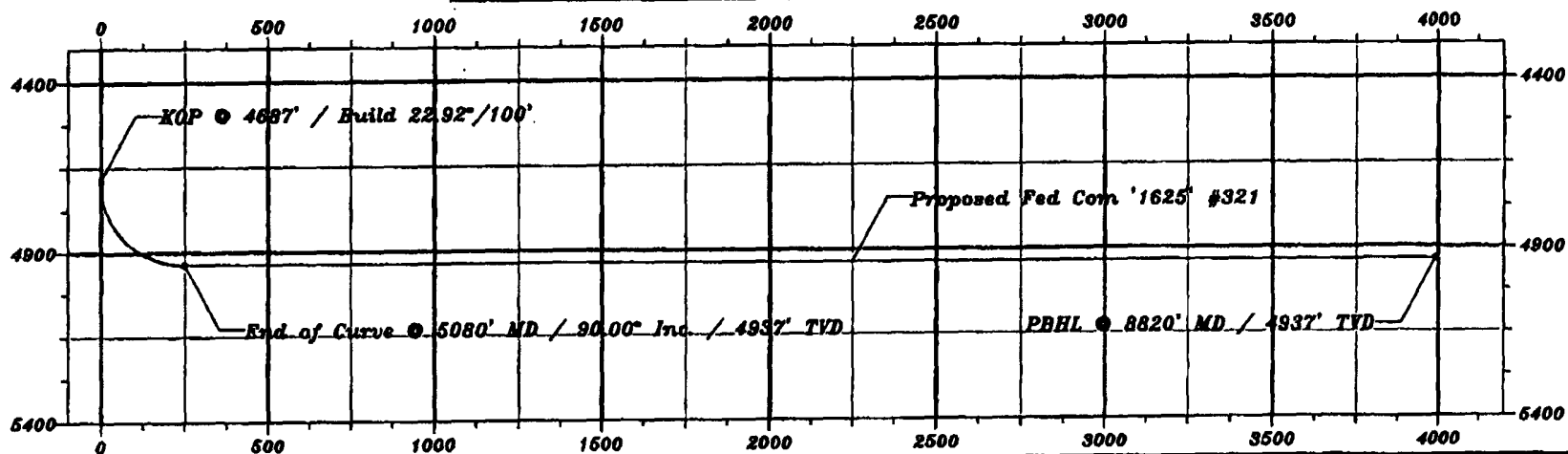
110 W. LOUISIANA, STE. 110
MIDLAND TEXAS, 79701
(432) 687-0865 - (432) 687-0868 FAX

Perenco, LLC.

Fed Com '1625' #321
Eddy County, New Mexico
Proposal 04-192

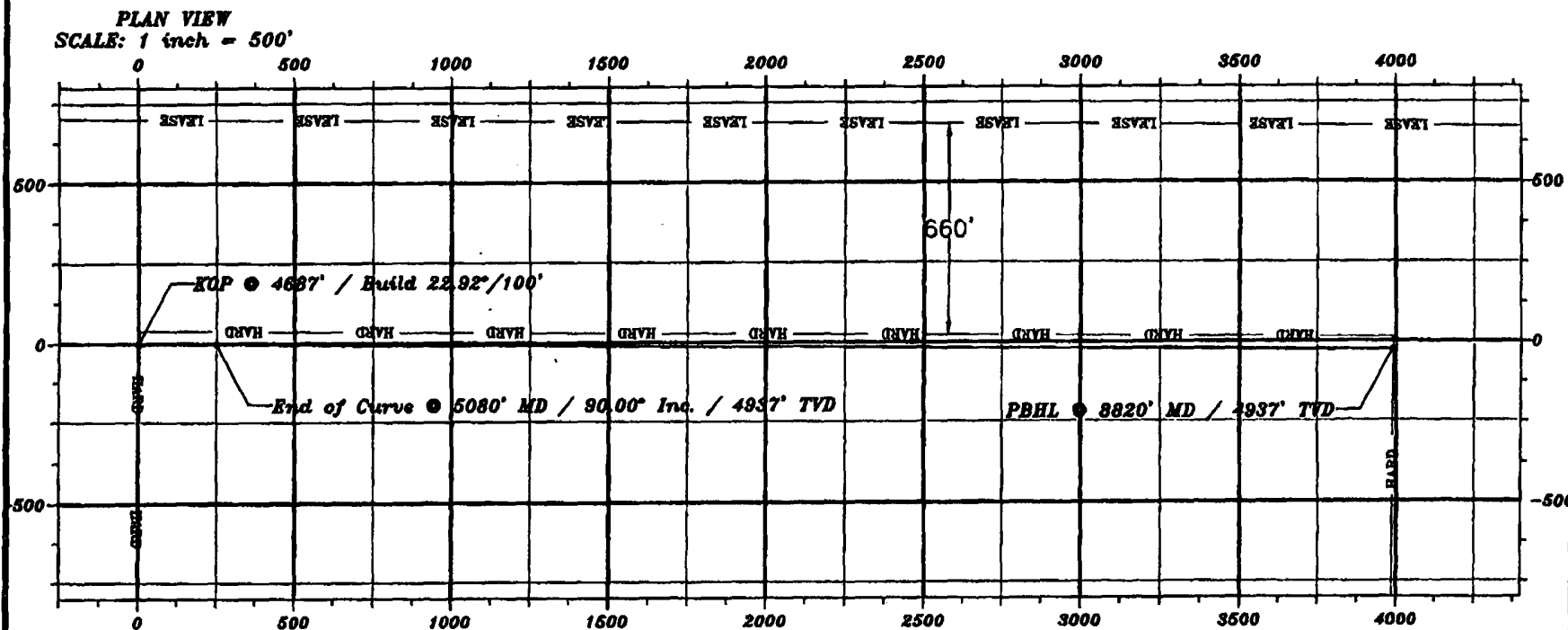


VERTICAL SECTION
SCALE: 1 inch = 500'
VERTICAL SECTION PLANE = 90.37



Perenco, LLC.

Fed Com '1625' #321
Eddy County, New Mexico
Proposal 04-192





Job Number: Proposal 04-192
 Company: Perenco, LLC.
 Lease/Well: Fed Com '1625' #321
 Location: Eddy County
 Rig Name:
 RKB:
 G.L. or M.S.L.: 3595

State/Country: New Mexico
 Declination:
 Grid:
 File name: C:\PROPOS~1\2004\04190'S\04-192\04-192.SVY
 Date/Time: 13-Aug-04 / 16:12
 Curve Name: Proposed Fed Com '1625' #321 (r0)

WINSERVE PROPOSAL REPORT
Minimum Curvature Method
Vertical Section Plane 90.37
Vertical Section Referenced to Wellhead
Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	Dogleg Severity Deg/100	N-S FT	E-W FT	CLOSURE		Grid X FT	Grid Y FT
Distance FT	Direction Deg										
KOP @ 4687' / Build 22.92°/100'											
4687.00	.00	90.37	4687.00	.00	.00	.00	.00	.00	.00	485883.40	685631.40
4717.00	6.88	90.37	4716.93	1.80	22.92	-.01	1.80	1.80	90.37	485885.20	685631.39
4747.00	13.75	90.37	4746.43	7.17	22.92	-.05	7.17	7.17	90.37	485890.57	685631.35
4777.00	20.63	90.37	4775.07	16.03	22.92	-.10	16.03	16.03	90.37	485899.43	685631.30
4807.00	27.50	90.37	4802.44	28.25	22.92	-.18	28.25	28.25	90.37	485911.65	685631.22
4837.00	34.38	90.37	4828.16	43.67	22.92	-.29	43.66	43.67	90.37	485927.06	685631.11
4867.00	41.25	90.37	4851.85	62.05	22.92	-.41	62.05	62.05	90.37	485945.45	685630.99
4897.00	48.13	90.37	4873.16	83.13	22.92	-.54	83.13	83.13	90.37	485966.53	685630.86
4927.00	55.00	90.37	4891.80	106.62	22.92	-.70	106.62	106.62	90.37	485990.02	685630.70
4957.00	61.88	90.37	4907.49	132.17	22.92	-.86	132.16	132.17	90.37	486015.56	685630.54

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	Dogleg Severity Deg/100	N-S FT	E-W FT	CLOSURE		Grid X FT	Grid Y FT
								Distance FT	Direction Deg		
4987.00	68.75	90.37	4920.01	159.41	22.92	-1.04	159.41	159.41	90.37	486042.81	685630.36
5017.00	75.63	90.37	4929.18	187.95	22.92	-1.23	187.95	187.95	90.37	486071.35	685630.17
5047.00	82.50	90.37	4934.87	217.39	22.92	-1.42	217.39	217.39	90.37	486100.79	685629.98
5077.00	89.38	90.37	4936.99	247.30	22.92	-1.62	247.29	247.30	90.37	486130.69	685629.78
End of Curve @ 5080' MD / 90.00° Inc. / 4937' TVD											
5079.70	90.00	90.37	4937.00	250.00	22.92	-1.64	250.00	250.00	90.37	486133.40	685629.76
5479.70	90.00	90.37	4937.00	650.00	.00	-4.25	649.99	650.00	90.37	486533.39	685627.15
5879.70	90.00	90.37	4937.00	1050.00	.00	-6.87	1049.98	1050.00	90.37	486933.38	685624.53
6279.70	90.00	90.37	4937.00	1450.00	.00	-9.49	1449.97	1450.00	90.37	487333.37	685621.91
6679.70	90.00	90.37	4937.00	1850.00	.00	-12.10	1849.96	1850.00	90.37	487733.36	685619.30
7079.70	90.00	90.37	4937.00	2250.00	.00	-14.72	2249.96	2250.00	90.37	488133.36	685616.68
7479.70	90.00	90.37	4937.00	2650.00	.00	-17.34	2649.95	2650.00	90.37	488533.35	685614.06
7879.70	90.00	90.37	4937.00	3050.00	.00	-19.95	3049.94	3050.00	90.37	488933.34	685611.45
8279.70	90.00	90.37	4937.00	3450.00	.00	-22.57	3449.93	3450.00	90.37	489333.33	685608.83
8679.70	90.00	90.37	4937.00	3850.00	.00	-25.18	3849.92	3850.00	90.37	489733.32	685606.22
PBHL @ 8820' MD / 4937' TVD											
8819.59	90.00	90.37	4937.00	3989.89	.00	-26.10	3989.80	3989.89	90.37	489873.20	685605.30