

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

OCD Artesia

5. Lease Serial No.

NMLC-048344

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

LRE OPERATING, LLC

3a. Address c/o Mike Pippin LLC

3104 N. Sullivan, Farmington, NM 87401

3b. Phone No. (include area code)

505-327-4573

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

470' FSL & 920' FWL Unit M

OGRID#: 281994

Sec. 29, T17S, R28E

8. Well Name and No.

WILLIAMS A FEDERAL #15

9. API Well No.

30-015-41892

10. Field and Pool, or Exploratory Area

Artesia: Glorieta-Yeso (96830)

AND

Eddy County, 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 APD Correction
	☐ Change Plans ☐ Plug and Abandon ☐ Temporarily Abandon
	☐ Convert to Injection ☐ Plug Back ☐ Water Disposal

13. Describe Proposed or Completed Operations (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 recomple 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 recompletion 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.)

The approved APD for this deviated well should be corrected as follows: The proposed surface location should be 470' FSL & 920' FWL Sec. 29 T17S R28E, and the bottom hole location should be 345' FSL & 961' FWL Sec. 29. See the attached C-102. The proposed depth should be 3600' TVD & 3608' MD. The proposed deviated drilling program is also attached.

Accepted for record
NMOCD 105
6-23-14

NM OIL CONSERVATION
ARTESIA DISTRICT
JUN 20 2014

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

Name (Printed/Typed)

Mike Pippin

Title

Petroleum Engineer (Agent)

Signature

Mike Pippin

Date

March 26, 2014

RECEIVED

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

/s/ STEPHEN J. CAFFEY

Title

FIELD MANAGER

Date

JUN 11 2014

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

CARLSBAD FIELD OFFICE

Title 18 U.S.C. Section 1001, makes 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.

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, 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 Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised October 15, 2009

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-41892		2 Pool Code 96830		3 Pool Name ARTESIA, GLORIETA-YESO	
4 Property Code 309877		5 Property Name WILLIAMS A FEDERAL			6 Well Number 15
7 OGRID No. 281994		8 Operator Name LRE OPERATING, LLC			9 Elevation 3652.2

10 Surface Location

11 UL or lot no. M	12 Section 29	13 Township 17 S	14 Range 28 E	15 Lot Idn	16 Feet from the 470	17 North/South line SOUTH	18 Feet from the 920	19 East/West line WEST	20 County EDDY
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11 Bottom Hole Location If Different From Surface

21 UL or lot no. M	22 Section 29	23 Township 17 S	24 Range 28 E	25 Lot Idn	26 Feet from the 345	27 North/South line SOUTH	28 Feet from the 961	29 East/West line WEST	30 County EDDY
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31 Dedicated Acres 40	32 Joint or Infill	33 Consolidation Code	34 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.

NW CORNER SEC. 29 LAT. = 32.8123566°N LONG. = 104.2057065°W		N/4 CORNER SEC. 29 LAT. = 32.8122332°N LONG. = 104.1971894°W		NE CORNER SEC. 29 LAT. = 32.8122040°N LONG. = 104.1886736°W	
NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1927 (NAD27), AND ARE IN DECIMAL DEGREE FORMAT.					
W/4 CORNER SEC. 29 LAT. = 32.8049828°N LONG. = 104.2057820°W		E/4 CORNER SEC. 29 LAT. = 32.8050694°N LONG. = 104.1887918°W			
WILLIAMS "A" FEDERAL #15 ELEV. = 3652.2' LAT. = 32.7990399°N (NAD27) LONG. = 104.2028440°W					
SW CORNER SEC. 29 LAT. = 32.7977037°N LONG. = 104.2058501°W		BOTTOM OF HOLE LAT. = 32.7986970°N (NAD27) LONG. = 104.2027151°W			
SURFACE LOCATION 920' 961' BOTTOM OF HOLE S/4 CORNER SEC. 29 LAT. = 32.7972192°N LONG. = 104.1973561°W					
SE CORNER SEC. 29 LAT. = 32.7972286°N LONG. = 104.1882769°W		SURVEY NO. 933A			

12 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.

Mike Pippin 3/26/14
Signature Date

MIKE PIPPIN
Printed Name

MIKE@PIPPINLLC.COM
E-mail Address

13 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.

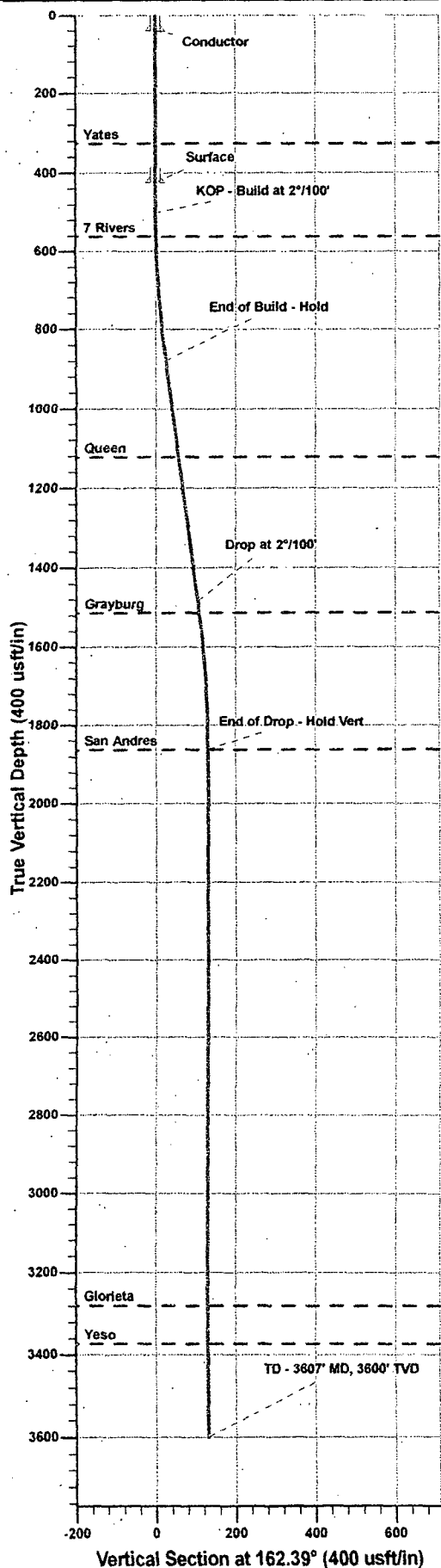
JULY 2, 2012

Date of Survey

Francisco Jaramillo
Signature and Seal of Professional Surveyor

Certificate Number: FJ110N-F. JARAMILLO, PLS 12797

SURVEY NO. 933A



ANNOTATIONS

MD	TVD	Inc	Azi	+N/-S	+E/-W	VS Departure	Annotation
500.00	500.00	0.00	0.00	0.00	0.00	0.00	KOP - Build at 2°/100'
879.69	878.58	7.59	162.39	-23.95	7.60	25.12	End of Build - Hold
1489.88	1483.42	7.59	162.39	-100.80	32.01	105.76	Drop at 2°/100'
1869.57	1862.00	0.00	0.00	-124.75	39.61	130.89	End of Drop - Hold Vert
3607.57	3600.00	0.00	0.00	-124.75	39.61	130.89	TD - 3607' MD, 3600' TVD, 125° S & 40° E of SHL

WELL DETAILS: Williams A Federal #15

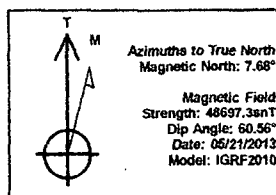
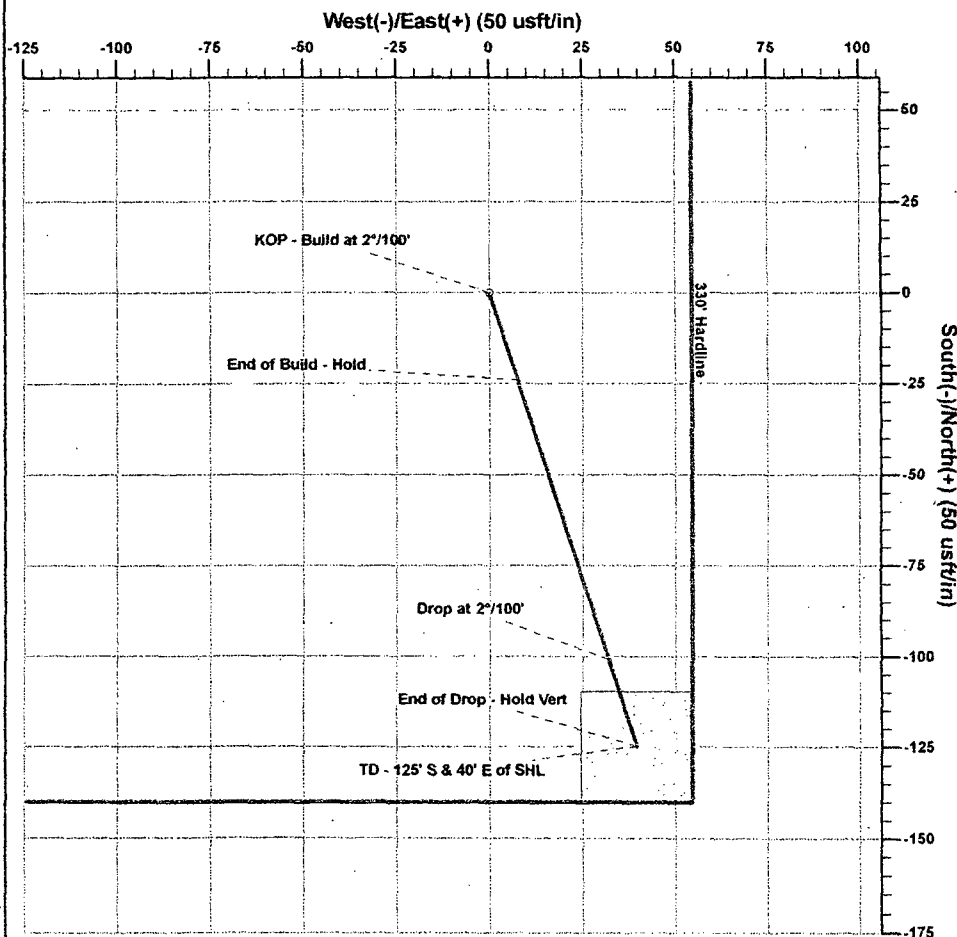
+N/-S	+E/-W	Northing	Easting	Ground Level:	Latitude	Longitude
0.00	0.00	654426.46	540096.30	3652.19	32.79903990	-104.20284400

DESIGN TARGET DETAILS

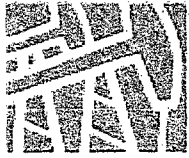
Name	TVD	+N/-S	+E/-W	Northing	Easting
Williams A Fed #15 - Vert - Plat	1862.00	-124.75	39.61	654301.76	540136.06

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
326.00	326.00	Yates
561.00	561.00	7 Rivers
1122.00	1125.28	Queen
1513.00	1519.70	Grayburg
1862.00	1869.57	San Andres
3279.99	3287.67	Glorieta
3372.99	3380.57	Yeso



To convert a Magnetic Direction to a True Direction, Add 7.68° East
Magnetic North is 7.68° East of True North (Magnetic Declination)



**LIME ROCK
RESOURCES**

Lime Rock Resources

EDDY COUNTY, NM (NAD 27)

Sec 29-T17S-R28E

Williams A Federal #15

Wellbore #1

Plan: Plan #2

Standard Planning Report

28 February, 2014



Database: EDM 5000.1 Single User Db
 Company: Lime Rock Resources
 Project: EDDY COUNTY, NM (NAD 27)
 Site: Sec 29-T17S-R28E
 Well: Williams A Federal #15
 Wellbore: Wellbore #1
 Design: Plan #2

Local Co-ordinate Reference: Well Williams A Federal #15
 TVD Reference: WELL @ 3665.69usft (Original Well Elev)
 MD Reference: WELL @ 3665.69usft (Original Well Elev)
 North Reference: True
 Survey Calculation Method: Minimum Curvature

Project	EDDY COUNTY, NM (NAD 27)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Sec 29-T17S-R28E		
Site Position:		Northing:	655,952.57 usft
From:	Lat/Long	Easting:	541,475.57 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in
		Latitude:	32.80323000
		Longitude:	-104.19834900
		Grid Convergence:	0.07 °

Well	Williams A Federal #15		
Well Position	+N/-S	-1,524.34 usft	Northing:
	+E/-W	-1,381.21 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	
		Latitude:	32.79903990
		Longitude:	-104.20284400
		Ground Level:	3,652.19 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2010	05/21/13	7.68
			Dip Angle
			(°)
			60.56
			Field Strength
			(nT)
			48,697

Design	Plan #2		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	1,862.00	0.00	0.00
			Direction
			(°)
			162.39

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
879.69	7.59	162.39	878.58	-23.95	7.60	2.00	2.00	0.00	162.39	
1,489.88	7.59	162.39	1,483.42	-100.80	32.01	0.00	0.00	0.00	0.00	
1,869.57	0.00	0.00	1,862.00	-124.75	39.61	2.00	-2.00	0.00	180.00	Williams A Fed #15 - 1
3,607.57	0.00	0.00	3,600.00	-124.75	39.61	0.00	0.00	0.00	0.00	

Database: EDM 5000.1 Single User Db
 Company: Lime Rock Resources
 Project: EDDY COUNTY, NM (NAD 27)
 Site: Sec 29-T17S-R28E
 Well: Williams A Federal #15
 Wellbore: Wellbore #1
 Design: Plan #2

Local Co-ordinate Reference:
 TVD Reference:
 MD Reference:
 North Reference:
 Survey Calculation Method:

Well Williams A Federal #15
 WELL @ 3665.69usft (Original Well Elev)
 WELL @ 3665.69usft (Original Well Elev)
 True
 Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP - Build at 2°/100'									
561.00	1.22	162.39	561.00	-0.62	0.20	0.65	2.00	2.00	0.00
7 Rivers									
600.00	2.00	162.39	599.98	-1.66	0.53	1.75	2.00	2.00	0.00
700.00	4.00	162.39	699.84	-6.65	2.11	6.98	2.00	2.00	0.00
800.00	6.00	162.39	799.45	-14.96	4.75	15.69	2.00	2.00	0.00
879.69	7.59	162.39	878.58	-23.95	7.60	25.12	2.00	2.00	0.00
End of Build - Hold									
900.00	7.59	162.39	898.71	-26.50	8.42	27.81	0.00	0.00	0.00
1,000.00	7.59	162.39	997.83	-39.10	12.41	41.02	0.00	0.00	0.00
1,100.00	7.59	162.39	1,096.96	-51.70	16.41	54.24	0.00	0.00	0.00
1,125.26	7.59	162.39	1,122.00	-54.88	17.42	57.58	0.00	0.00	0.00
Queen									
1,200.00	7.59	162.39	1,196.08	-64.29	20.41	67.45	0.00	0.00	0.00
1,300.00	7.59	162.39	1,295.20	-76.89	24.41	80.67	0.00	0.00	0.00
1,400.00	7.59	162.39	1,394.33	-89.48	28.41	93.88	0.00	0.00	0.00
1,489.88	7.59	162.39	1,483.42	-100.80	32.01	105.76	0.00	0.00	0.00
Drop at 2°/100'									
1,500.00	7.39	162.39	1,493.45	-102.06	32.40	107.08	2.00	-2.00	0.00
1,519.70	7.00	162.39	1,513.00	-104.41	33.15	109.55	2.00	-2.00	0.00
Grayburg									
1,600.00	5.39	162.39	1,592.82	-112.67	35.77	118.21	2.00	-2.00	0.00
1,700.00	3.39	162.39	1,692.53	-119.97	38.09	125.87	2.00	-2.00	0.00
1,800.00	1.39	162.39	1,792.43	-123.94	39.35	130.04	2.00	-2.00	0.00
1,869.57	0.00	0.00	1,862.00	-124.75	39.61	130.89	2.00	-2.00	0.00
End of Drop - Hold Vert - San Andres									
1,900.00	0.00	0.00	1,892.43	-124.75	39.61	130.89	0.00	0.00	0.00
2,000.00	0.00	0.00	1,992.43	-124.75	39.61	130.89	0.00	0.00	0.00
2,100.00	0.00	0.00	2,092.43	-124.75	39.61	130.89	0.00	0.00	0.00
2,200.00	0.00	0.00	2,192.43	-124.75	39.61	130.89	0.00	0.00	0.00
2,300.00	0.00	0.00	2,292.43	-124.75	39.61	130.89	0.00	0.00	0.00
2,400.00	0.00	0.00	2,392.43	-124.75	39.61	130.89	0.00	0.00	0.00
2,500.00	0.00	0.00	2,492.43	-124.75	39.61	130.89	0.00	0.00	0.00
2,600.00	0.00	0.00	2,592.43	-124.75	39.61	130.89	0.00	0.00	0.00
2,700.00	0.00	0.00	2,692.43	-124.75	39.61	130.89	0.00	0.00	0.00
2,800.00	0.00	0.00	2,792.43	-124.75	39.61	130.89	0.00	0.00	0.00
2,900.00	0.00	0.00	2,892.43	-124.75	39.61	130.89	0.00	0.00	0.00
3,000.00	0.00	0.00	2,992.43	-124.75	39.61	130.89	0.00	0.00	0.00
3,100.00	0.00	0.00	3,092.43	-124.75	39.61	130.89	0.00	0.00	0.00
3,200.00	0.00	0.00	3,192.43	-124.75	39.61	130.89	0.00	0.00	0.00
3,287.57	0.00	0.00	3,279.99	-124.75	39.61	130.89	0.00	0.00	0.00
Glorieta									
3,300.00	0.00	0.00	3,292.43	-124.75	39.61	130.89	0.00	0.00	0.00
3,380.57	0.00	0.00	3,372.99	-124.75	39.61	130.89	0.00	0.00	0.00
Yeso									
3,400.00	0.00	0.00	3,392.43	-124.75	39.61	130.89	0.00	0.00	0.00
3,500.00	0.00	0.00	3,492.43	-124.75	39.61	130.89	0.00	0.00	0.00
3,600.00	0.00	0.00	3,592.43	-124.75	39.61	130.89	0.00	0.00	0.00
3,607.57	0.00	0.00	3,600.00	-124.75	39.61	130.89	0.00	0.00	0.00

TD - 3607' MD, 3600' TVD, 125' S & 40' E of SHL

Database: EDM 5000.1 Single User Db
 Company: Lime Rock Resources
 Project: EDDY COUNTY, NM (NAD 27)
 Site: Sec 29-T17S-R28E
 Well: Williams A Federal #15
 Wellbore: Wellbore #1
 Design: Plan #2

Local Co-ordinate Reference: Well Williams A Federal #15
 TVD Reference: WELL @ 3665.69usft (Original Well Elev)
 MD Reference: WELL @ 3665.69usft (Original Well Elev)
 North Reference: True
 Survey Calculation Method: Minimum Curvature

Design Targets

Target Name	- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape		(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
Williams A Fed #15 - Ver		0.00	0.00	1,862.00	-109.09	21.74	654,317.40	540,118.18	32.79874004	-104.20277324
- plan misses target center by 23.76usft at 1869.32usft MD (1861.75 TVD, -124.75 N, 39.61 E) - Rectangle (sides W30.00 H30.00 D0.00)										
Williams A Fed #15 - Ver		0.00	0.00	1,862.00	-124.75	39.61	654,301.76	540,136.07	32.79869700	-104.20271510
- plan hits target center - Rectangle (sides W30.00 H30.00 D0.00)										
Williams A Fed #15 - Ver		0.00	0.00	1,862.00	-124.09	36.74	654,302.42	540,133.20	32.79869881	-104.20272444
- plan misses target center by 2.94usft at 1869.55usft MD (1861.98 TVD, -124.75 N, 39.61 E) - Rectangle (sides W30.00 H30.00 D0.00)										

Casing Points

Measured Depth	Vertical Depth	Name	Casing Diameter	Hole Diameter
(usft)	(usft)		(in)	(in)
40.00	40.00	Conductor	20.000	26.000
425.00	425.00	Surface	8.625	12.250

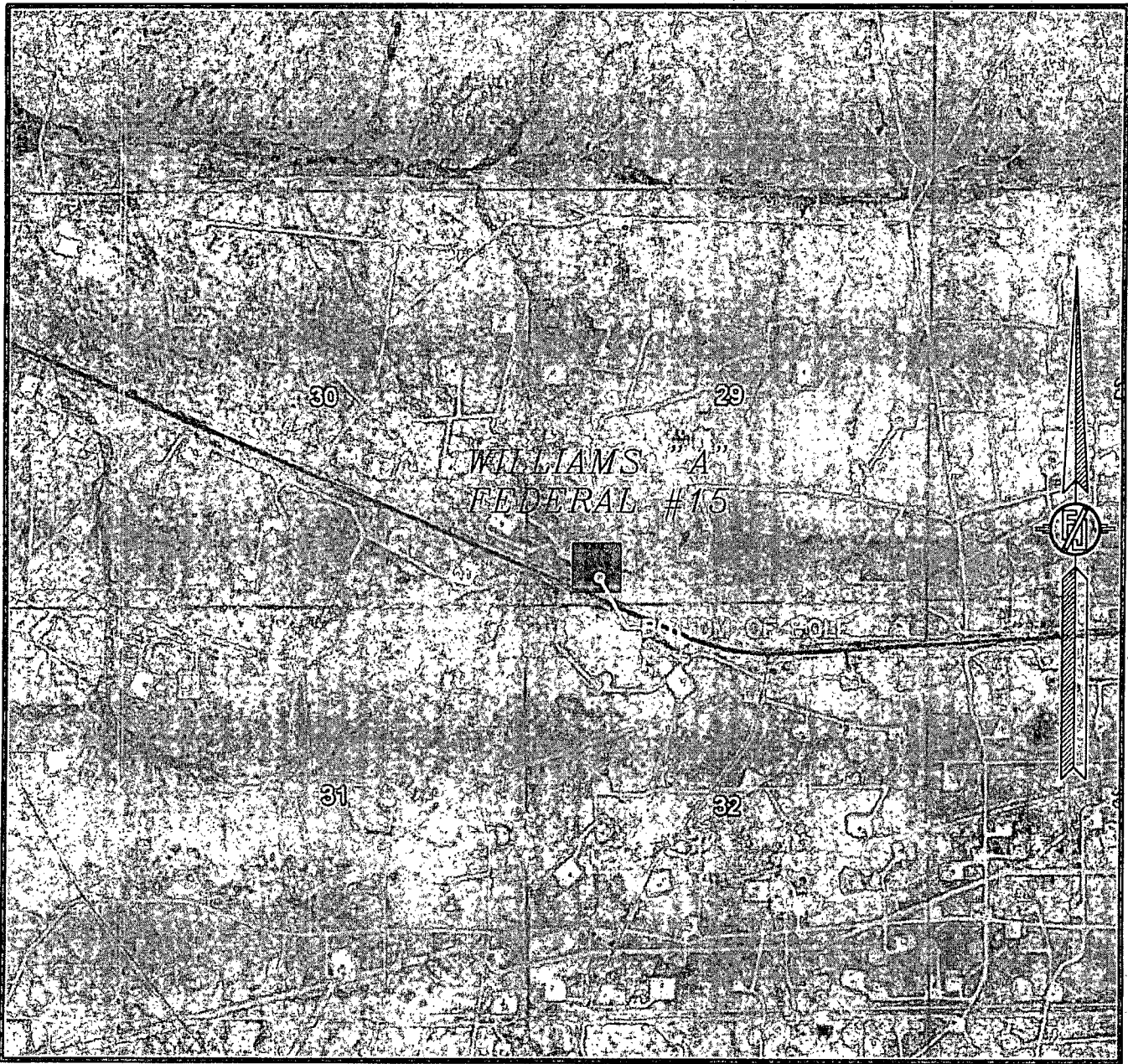
Formations

Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction
(usft)	(usft)			(°)	(°)
326.00	326.00	Yates		0.00	
561.00	561.00	7 Rivers		0.00	
1,125.26	1,122.00	Queen		0.00	
1,519.70	1,513.00	Grayburg		0.00	
1,869.57	1,862.00	San Andres		0.00	
3,287.57	3,279.99	Glorieta		0.00	
3,380.57	3,372.99	Yeso		0.00	

Plan Annotations

Measured Depth	Vertical Depth	Local Coordinates		Comment
(usft)	(usft)	+N/-S (usft)	+E/-W (usft)	
500.00	500.00	0.00	0.00	KOP - Build at 2°/100'
879.69	878.58	-23.95	7.60	End of Build - Hold
1,489.88	1,483.42	-100.80	32.01	Drop at 2°/100'
1,869.57	1,862.00	-124.75	39.61	End of Drop - Hold Vert
3,607.57	3,600.00	-124.75	39.61	TD - 3607' MD, 3600' TVD, 125' S & 40' E of SHL

SECTION 29, TOWNSHIP 17 SOUTH, RANGE 28 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
AERIAL PHOTO



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
JUNE 2011

LRE OPERATING, LLC
WILLIAMS "A" FEDERAL #15
LOCATED 470 FT. FROM THE SOUTH LINE
AND 920 FT. FROM THE WEST LINE OF
SECTION 29, TOWNSHIP 17 SOUTH,
RANGE 28 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

SURVEY NO. 933A

JULY 2, 2012

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO