

HOBBS OCD

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

JAN 25 2012

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

RECEIVED

State Lease- 4 Copies

Fee Lease- 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025- 40419	Pool Code 97900	WC RED HILLS; BONE SPRING UPPER	
Property Code 39043	Property Name PITCHBLEND "29" FED. COM		Well Number 1H
OCRID No. 7377	Operator Name EOG RESOURCES, INC.		Elevation 3321.2'

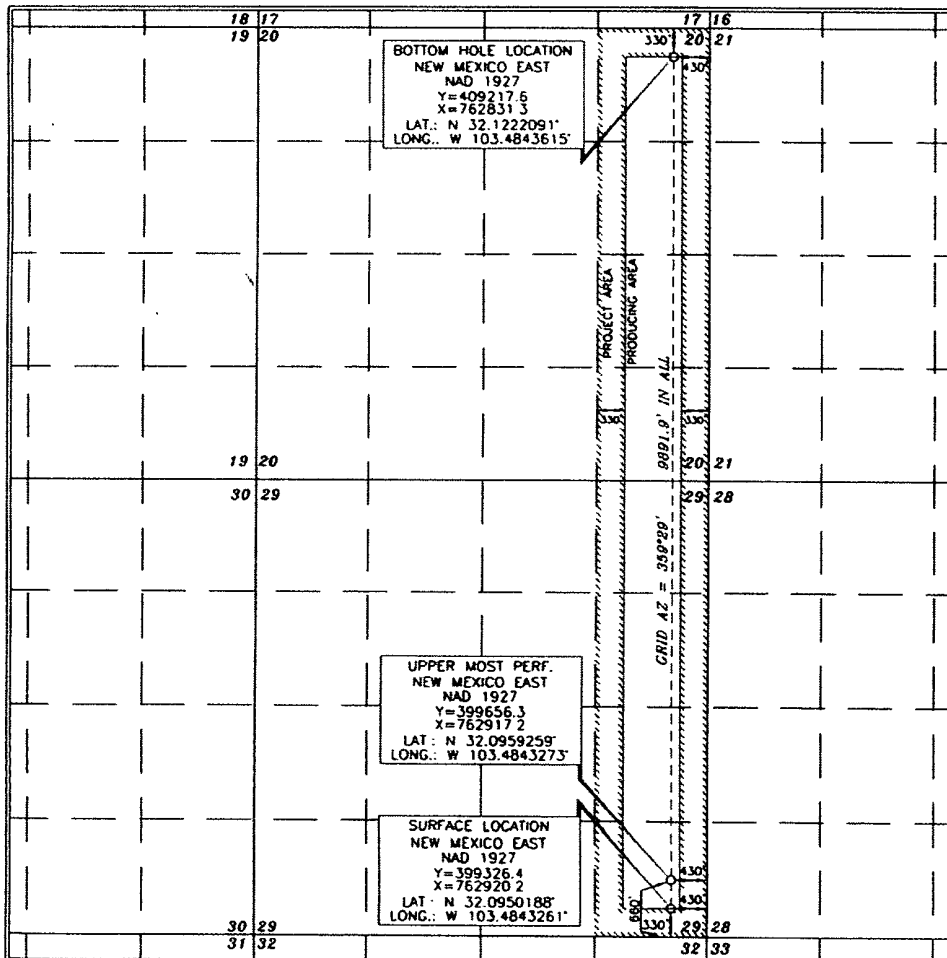
Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	29	25 SOUTH	34 EAST, N.M.P.M.		330'	SOUTH	430'	EAST	LEA

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	20	25 SOUTH	34 EAST, N.M.P.M.		330'	NORTH	430'	EAST	LEA
Dedicated Acres 320		Joint or Inld	Consolidation Code	Order No.					

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, 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

Stan Wagner 10/26/11
Signature Date

Stan Wagner
Printed Name

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes for actual survey made by me or under my supervision, and that the same is true and correct to the best of my belief.

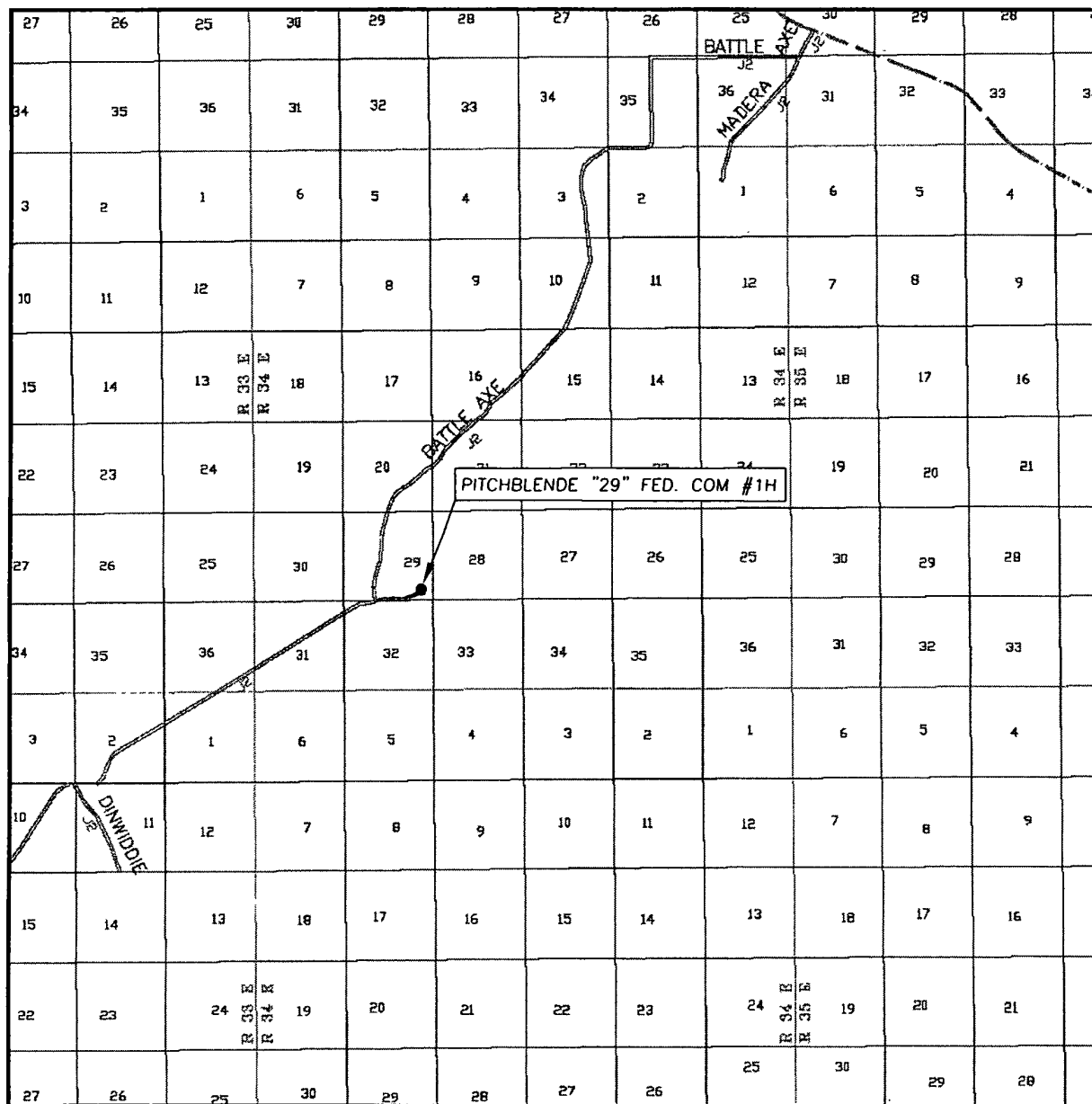
JULY 26, 2011
Date of Survey

Signature and Seal of
Professional Surveyor

Tommy D. Hall 10/13/2011
Certificate Number 15079

WO# 110726WL-c (Rev A) (KA)

VICINITY MAP

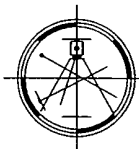


SEC. 29 TWP. 25-S RGE. 34-E
 SURVEY N.M.P.M.
 COUNTY LEA
 DESCRIPTION 330' FSL & 430' FEL
 ELEVATION 3321.2
 OPERATOR EOG RESOURCES, INC.

SCALE: 1" = 2 MILES

Asel Surveying

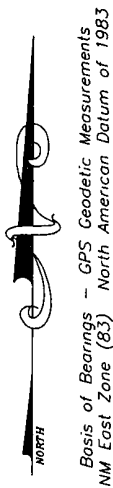
P.O. BOX 393 - 310 W. TAYLOR
 HOBBS, NEW MEXICO - 575-393-9146



LEASE PITCHBLENDE "29" FED. COM #1H

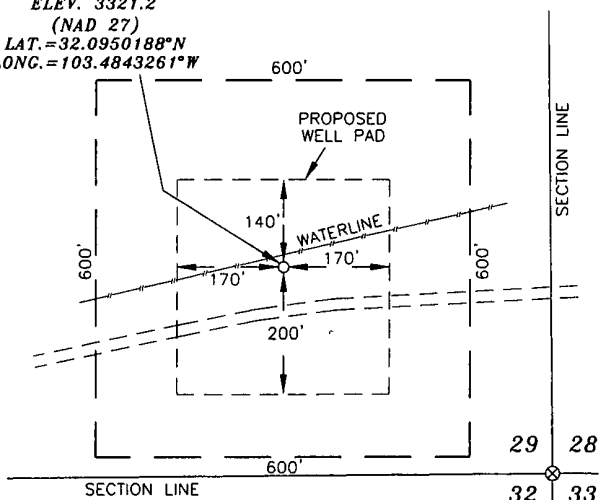
DIRECTIONS BEGINNING IN JAL AT THE INTERSECTION OF N.M. STATE HWY. #18 AND N.M. STATE HWY. #128, GO WEST ON N.M. STATE HWY. #128 FOR 14.1 MILES TO COUNTY ROAD #2 (BATTLE AXE ROAD), TURN LEFT AND GO SOUTHWEST FOR 0.3 MILES, TURN RIGHT AND GO WEST FOR 1.6 MILES, TURN LEFT AND GO SOUTH FOR 1.0 MILES, TURN RIGHT AND GO WEST FOR 0.5 MILES, TURN LEFT AND GO SOUTHWEST/SOUTH FOR 6.0 MILES, TURN LEFT ON CALICHE LEASE ROAD AND GO EAST FOR 0.5 MILES TO LOCATION.

SECTIONS 29 & 20, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M.,
LEA COUNTY
NEW MEXICO



DIRECTIONS:
BEGINNING IN JAL AT THE INTERSECTION OF
N.M. STATE HWY. #18 AND N.M. STATE HWY.
#128, GO WEST ON N.M. STATE HWY. #128
FOR 14.1 MILES TO COUNTY ROAD #2
(BATTLE AXE ROAD), TURN LEFT AND GO
SOUTHWEST FOR 0.3 MILES, TURN RIGHT AND
GO WEST FOR 1.6 MILES, TURN LEFT AND
GO SOUTH FOR 1.0 MILES, TURN RIGHT AND
GO WEST FOR 0.5 MILES, TURN LEFT AND
GO SOUTHWEST/SOUTH FOR 6.0 MILES, TURN
LEFT ON CALICHE LEASE ROAD AND GO EAST
FOR 0.5 MILES TO LOCATION.

PITCHBLENDE "29"
FED. COM #1H
ELEV. 3321.2'
(NAD 27)
LAT.=32.0950188°N
LONG.=103.4843261°W



SCALE-1'=300'

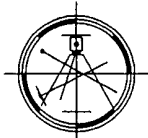


SURVEYORS CERTIFICATE

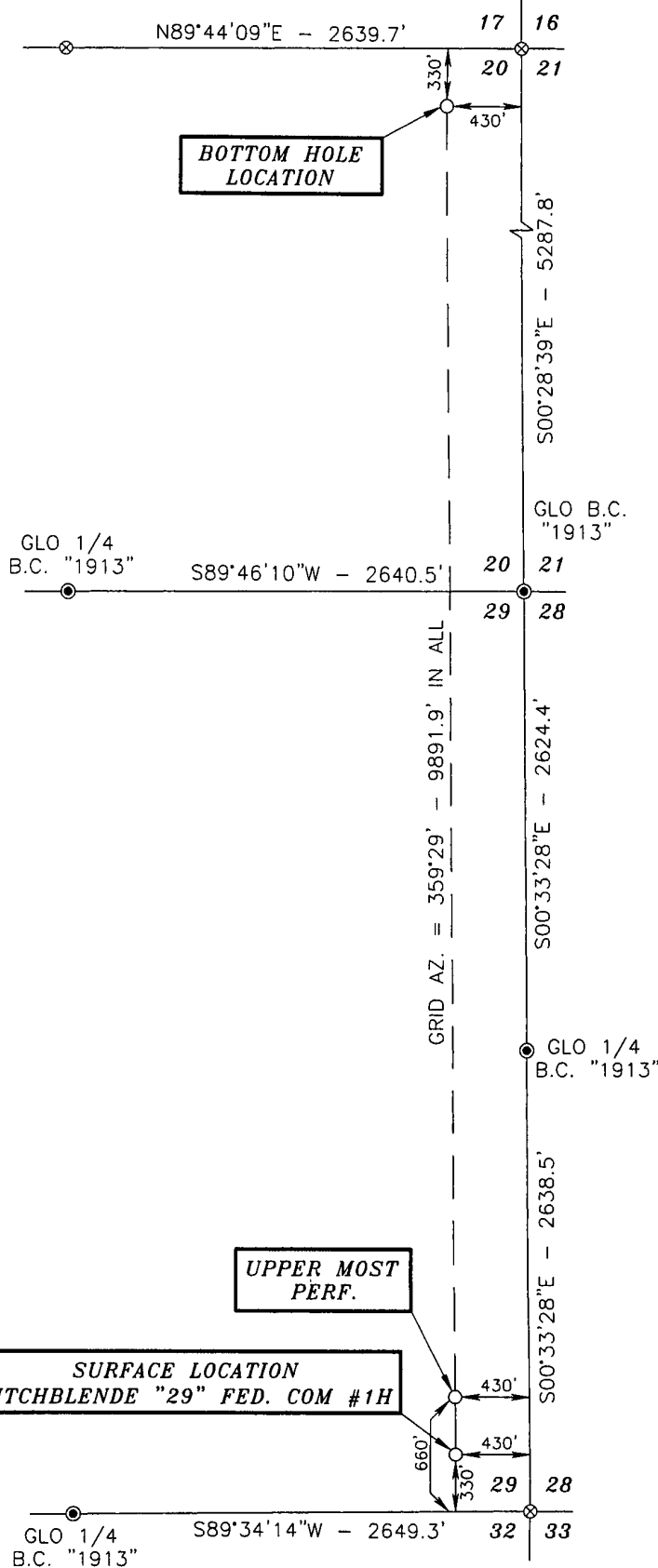
I, TERRY J. ASEL, NEW MEXICO PROFESSIONAL SURVEYOR
NO. 15079, DO HEREBY CERTIFY THAT I CONDUCTED AND AM
RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS
TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND
BELIEF, AND MEETS THE "MINIMUM STANDARDS FOR
SURVEYING IN NEW MEXICO" AS ADOPTED BY THE NEW
MEXICO STATE BOARD OF REGISTRATION FOR
PROFESSIONAL ENGINEERS AND SURVEYORS.

Terry J. Asel 10/13/2011
Terry J. Asel N.M. R.P.S. No. 15079

Asel Surveying

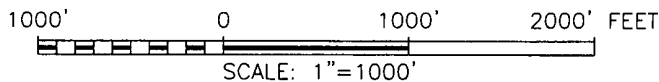


P.O. BOX 393 - 310 W. TAYLOR
HOBBS, NEW MEXICO - 575-393-9146



LEGEND

- - DENOTES FOUND MONUMENT AS NOTED
- ⊗ - DENOTES CALCULATED CORNER



EOG RESOURCES, INC.

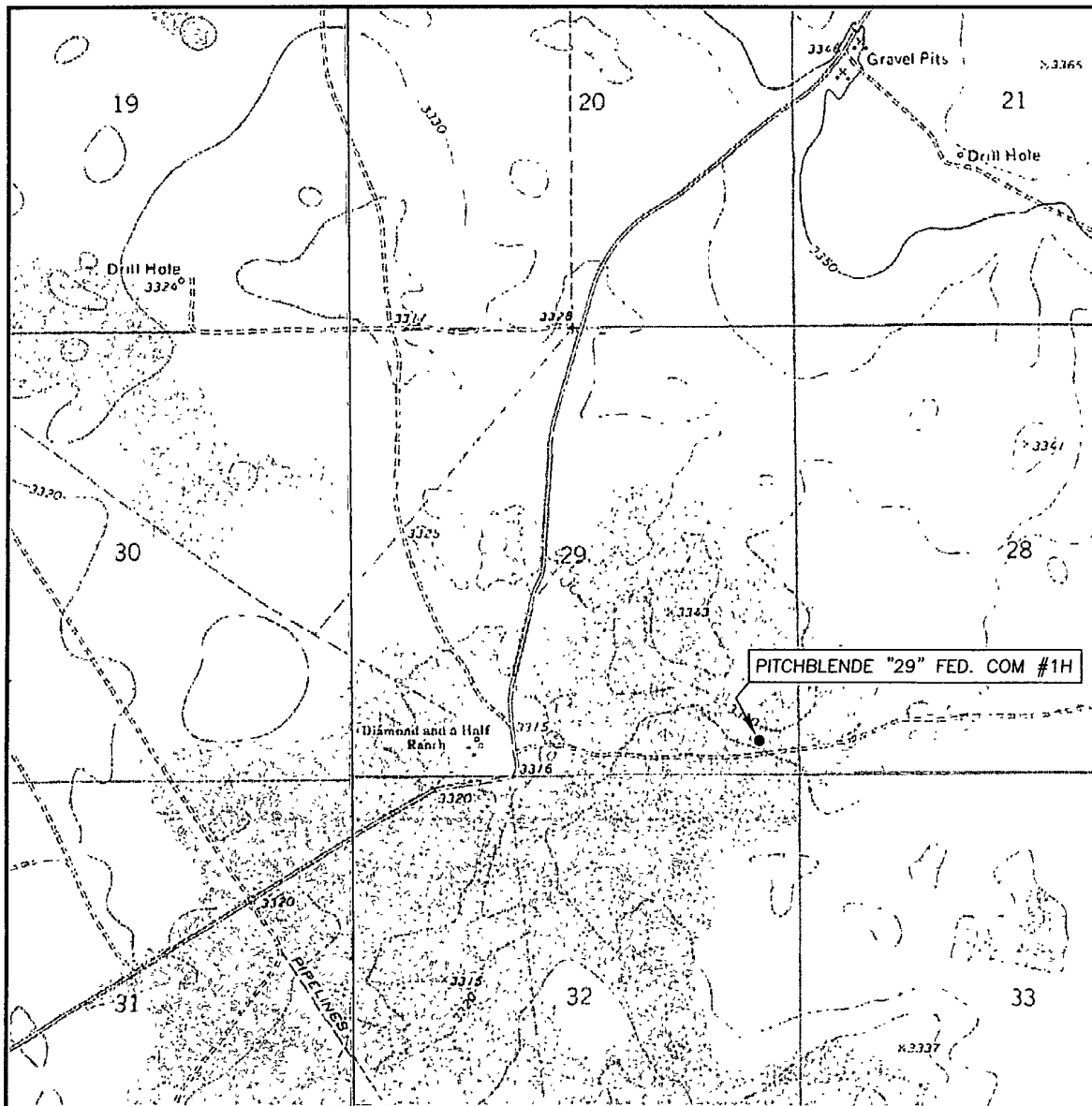
PITCHBLENDE "29" FED. COM #1H LOCATED
AT 330' FSL & 430' FEL OF SECTION 29,
TOWNSHIP 25 SOUTH, RANGE 34 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date: 07/26/11	Sheet 1 of 1 Sheets
W.O. Number: 110726WL-c (Rev A)	Drawn By: KA Rev: A
Date: 10/13/11	110726WL-c Scale: 1"=1000'

29, T25S, R34E, Lea, NM

Pitchblende 29 Fed Com #1H
Lea County, New Mexico

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 10'

SEC. 29 TWP. 25-S RGE. 34-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 330' FSL & 430' FEL

ELEVATION 3321.2'

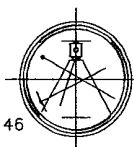
OPERATOR EOG RESOURCES, INC.

LEASE PITCHBLEND "29" FED. COM #1H

U.S.G.S. TOPOGRAPHIC MAP
ANDREWS PLACE, N.M.

Asel Surveying

P.O. BOX 393 - 310 W. TAYLOR
HOBBS, NEW MEXICO - 575-393-9146



DESCRIPTION

LEGEND

SURVEYORS CERTIFICATE

I, TERRY J. ASEI, NEW MEXICO PROFESSIONAL SURVEYOR NO. 15079, DO HEREBY CERTIFY THAT I CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE, BELIEF, AND MEETS THE "MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO" AS ADOPTED BY THE NEW MEXICO STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND SURVEYORS

Terry J. Asel 10/22/2011
Terry J Asel, NM RPS, No 15079

Asel Surveying

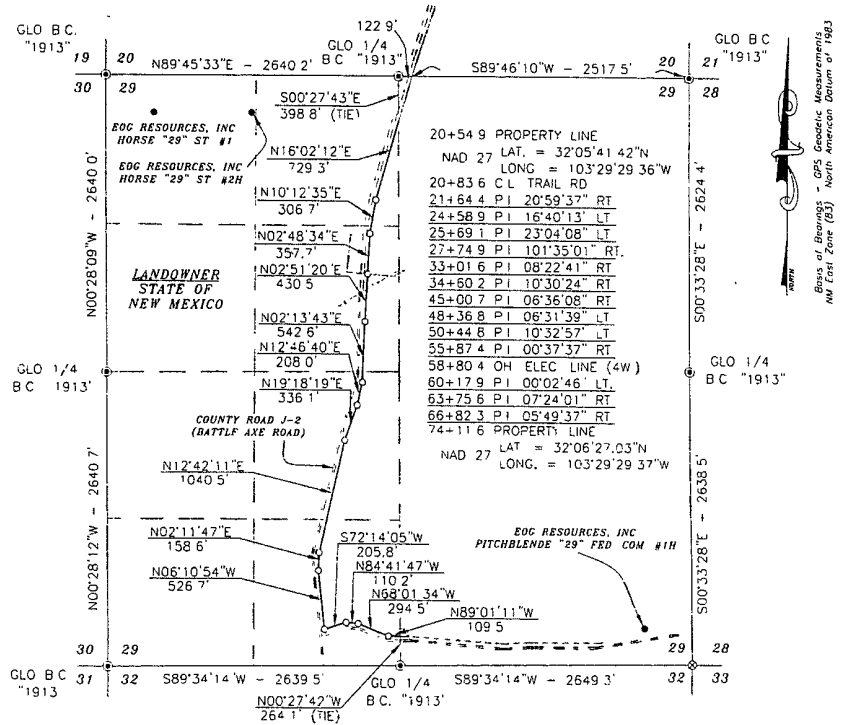
P O BOX 393 - 310 W TAYLOR
HOBBS, NEW MEXICO - 575-393-9146

EOG RESOURCES, INC.

SURVEY FOR A PIPELINE EASEMENT CROSSING
STATE OF NEW MEXICO LAND IN SECTION 29,
TOWNSHIP 25 SOUTH RANGE 34 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date 10/13/11	Sheet 1 of 5 Sheets
W O Number 111022PL	Drawn By KA
Date 10/22/11	111022PL DWG Scale 1"=1000'

SECTION 29, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N M P.M.,
LEA COUNTY
NEW MEXICO



DESCRIPTION

A STRIP OF LAND 300 FEET WIDE CROSSING STATE OF NEW MEXICO LAND IN SECTION 29, TOWNSHIP 25 SOUTH RANGE 34 EAST, N M P.M., LEA COUNTY, NEW MEXICO AND BEING 150 FEET LEFT AND 150 FEET RIGHT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY

BEGINNING AT A POINT ON THE EAST LINE OF THE WEST HALF OF SAID SECTION 29 WHICH LIES N00°27'42\"/>

SAID STRIP OF LAND BEING 5356.7 FEET OR 324.65 RODS IN LENGTH CONTAINING 3.689 ACRES OF LAND MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

SE/4 SW/4 - 104.39 RODS OR 1.185 ACRES
NE/4 SW/4 - 82.67 RODS OR 0.939 ACRES
SE/4 NW/4 - 79.98 RODS OR 0.909 ACRES
NE/4 NW/4 - 57.61 RODS OR 0.655 ACRES

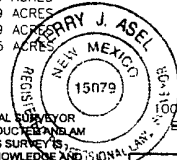
SURVEYORS CERTIFICATE

I, TERRY J. ASEL, NEW MEXICO PROFESSIONAL SURVEYOR NO 15079, DO HEREBY CERTIFY THAT I CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND MEETS THE "MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO" AS ADOPTED BY THE NEW MEXICO STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND SURVEYORS.

Terry J. Asel 10/22/2011
Terry J. Asel, N.M.P.S. No 15079

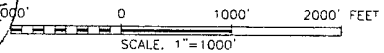
Asel Surveying

P.O. BOX 393 - 310 W. TAYLOR
HOBBS NEW MEXICO - 575-393-9146



LEGEND

⊙ - DENOTES FOUND MONUMENT AS NOTED
⊗ - DENOTES CALCULATED CORNER



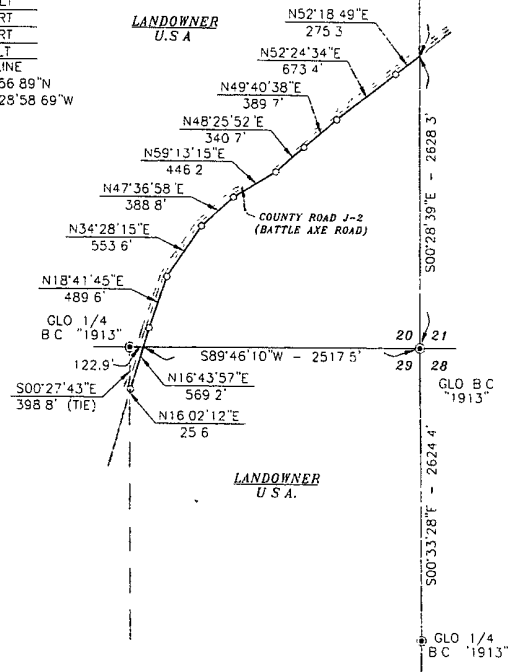
EOG RESOURCES, INC.

SURVEY FOR A PIPELINE EASEMENT CROSSING
STATE OF NEW MEXICO LAND IN SECTION 29,
TOWNSHIP 25 SOUTH RANGE 34 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date	10/13/11	Sheet	2 of .5 Sheets
WO Number	111022PL	Drawn By	KA
Date	10/22/11	111022PL.DWG	Scale 1\"/>

SECTIONS 20 & 29, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M.,
LEA COUNTY
NEW MEXICO

74+11.6 PROPERTY LINE
NAD 27 LAT = 32°06'27.03"N
LONG = 103°29'29.37"W
74+37.2 P.I. 00°41'45" RT
78+28.5 E-W SECTION LINE
80+06.4 P.I. 01°57'48" RT
84+96.0 P.I. 15°46'30" RT
90+49.6 P.I. 13°08'43" RT
94+38.4 P.I. 11°36'17" RT
98+84.6 P.I. 10°47'23" LT
102+25.3 P.I. 01°14'46" RT
106+15.0 P.I. 02°43'56" RT
112+88.4 P.I. 00°05'45" LT
115+63.7 N-S SECTION LINE
NAD 27 LAT = 32°06'56.89"N
LONG = 103°28'58.69"W



DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE AND 4152.1 FEET OR 0.786 MILES IN LENGTH CROSSING U.S.A. LAND IN SECTIONS 20 & 29, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M. LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND 15.0 FEET RIGHT OF THE ABOVE PLATTED CENTERLINE SURVEY.



SURVEYORS CERTIFICATE

I, TERRY J. ASEL, NEW MEXICO PROFESSIONAL SURVEYOR NO. 15079, DO HEREBY CERTIFY THAT I CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO AS ADOPTED BY THE NEW MEXICO STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND SURVEYORS

Terry J. Asel 10/22/2011
Terry J. Asel, N.M.P.S. No. 15079

Asel Surveying

P.O. BOX 393 - 310 W TAYLOR
HOBBS, NEW MEXICO - 575-393-9146



LEGEND

- ⊙ - DENOTES FOUND MONUMENT AS NOTED
- ⊗ - DENOTES CALCULATED CORNER

1000' 0 1000' 2000' FEET
SCALE 1"=1000'

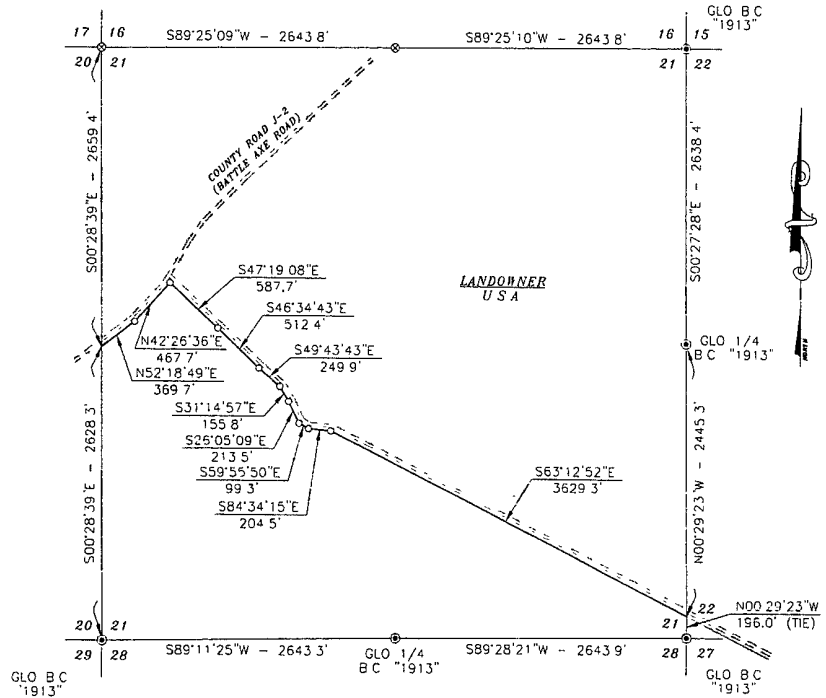
EOG RESOURCES, INC.

SURVEY FOR A PIPELINE EASEMENT
CROSSING U.S.A. LAND IN SECTIONS 20 &
29, TOWNSHIP 25 SOUTH, RANGE 34 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date	10/13/11	Sheet	3	of	5	Sheets
W.O. Number	111022PL	Drawn By	KA			
Date	10/22/11	111022PL DWG		Scale	1"=1000'	

Basis of Bearings - GPS Geodetic Measurements
 NAD East Zone (83) North American Datum of 1983

SECTION 21, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M.,
LEA COUNTY
NEW MEXICO



115+63.7 N-S SECTION LINE
LAT. = 32°06'56.89"N
NAD 27 LONG. = 103°28'58.69"W
119+33.4 P.I. 09°52'13" LT
124+01.1 P.I. 90°14'16" RT
129+88.8 P.I. 00°44'25" RT
135+01.2 P.I. 03°09'00" LT

137+51.1 P.I. 18°28'46" RT
139+06.9 P.I. 05°09'48" RT
141+20.4 P.I. 33°50'41" LT
142+19.7 P.I. 24°38'25" LT
144+24.2 P.I. 21°21'23" RT
180+53.5 N-S SECTION LINE
LAT. = 32°06'33.01"N
NAD 27 LONG. = 103°27'57.21"W

DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE AND 6489.8 FEET OR 1.229 MILES IN LENGTH CROSSING U.S. LAND IN SECTION 21, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND 15.0 FEET RIGHT OF THE ABOVE PLATTED CENTERLINE SURVEY



SURVEYORS CERTIFICATE

I, TERRY J. ASEL, NEW MEXICO PROFESSIONAL SURVEYOR NO. 15079, DO HEREBY CERTIFY THAT I CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY. THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO AS ADOPTED BY THE NEW MEXICO STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND SURVEYORS

Terry J. Asel 10/22/2011
Terry J. Asel, N.M. R.P.S. No. 15079

Asel Surveying

P.O. BOX 393 - 310 W TAYLOR
HOBBS, NEW MEXICO - 575-393-9146



LEGEND

- ⊙ - DENOTES FOUND MONUMENT AS NOTED
- ⊙ - DENOTES CALCULATED CORNER

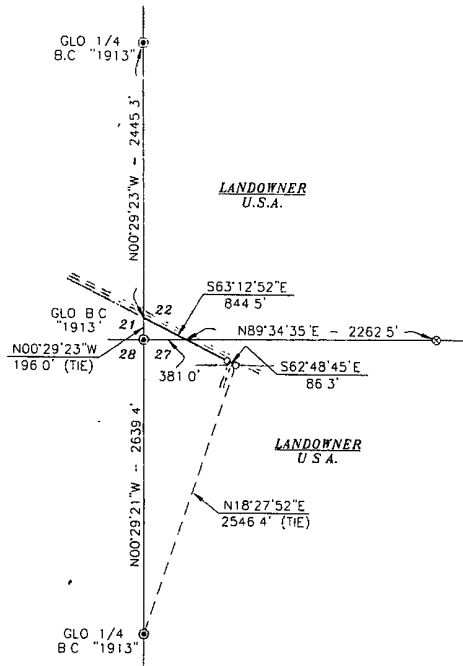
1000 0 1000 2000 FEET
SCALE: 1"=1000'

EOG RESOURCES, INC.

SURVEY FOR A PIPELINE EASEMENT
CROSSING U.S. LAND IN SECTION 21,
TOWNSHIP 25 SOUTH, RANGE 34 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date	10/13/11	Sheet	4 of 5 Sheets
W.O. Number	111022PL	Drawn By	KAY
Date	10/22/11	111022PL DWG	Scale 1"=1000'

SECTIONS 22 & 27, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M.,
LEA COUNTY NEW MEXICO



180+53.5 N-S SECTION LINE
NAD 27 LAT. = 32°06'33.01\"N
LONG. = 103°27'57.21\"W
184+82.1 E-W SECTION LINE
188+98.0 P.I. 00°24'07\" RT
189+84.3 END SURVEY @
GAS LINE TIE IN
NAD 27 LAT. = 32°06'28.79\"N
LONG. = 103°27'47.60\"W

DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE AND 930.8 FEET OR 0.176 MILES IN LENGTH CROSSING U.S.A. LAND IN SECTIONS 22 & 27, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND 15.0 FEET RIGHT OF THE ABOVE PLATTED CENTERLINE SURVEY.



SURVEYORS CERTIFICATE

I, TERRY J. ASEL, NEW MEXICO PROFESSIONAL SURVEYOR, NO. 15079, DO HEREBY CERTIFY THAT I CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO AS ADOPTED BY THE NEW MEXICO STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND SURVEYORS

Terry J. Asel 10/22/2011
Terry J. Asel, N.M. R.P.S. No. 15079

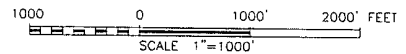
Asel Surveying

P.O. BOX 393 - 310 W TAYLOR
MOBBS, NEW MEXICO - 575-393-9146



LEGEND

- ⊙ - DENOTES FOUND MONUMENT AS NOTED
- ⊙ - DENOTES CALCULATED CORNER



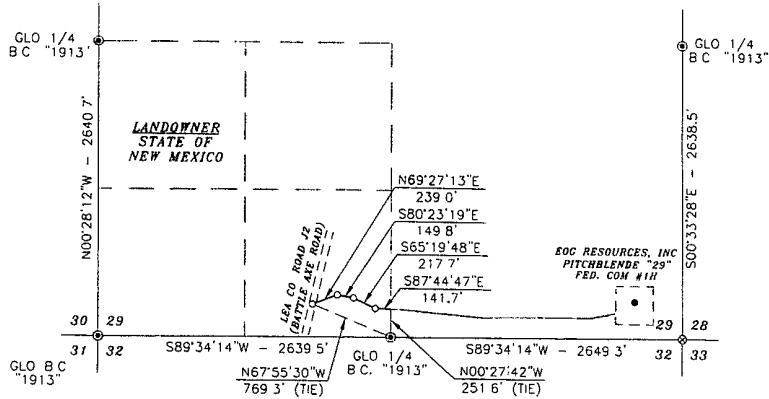
EOG RESOURCES, INC.

SURVEY FOR A PIPELINE EASEMENT
CROSSING U.S.A. LAND IN SECTIONS 22 &
27, TOWNSHIP 25 SOUTH, RANGE 34 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date	10/13/11	Sheet	5	of	5	Sheets
W.O. Number	111022PL	Drawn By	KA			
Date	10/22/11	111022PL DWG				Scale 1\"=1000

SECTION 29, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M.,
LEA COUNTY
NEW MEXICO

0+00.0 BEGIN SURVEY @
LEA CO ROAD J2
(BATTLE AXE ROAD)
NAD 27 LAT. = 32°05'42.07"N
LONG = 103°29'03.57"W
2+39.0 P.I. 30°09'28" RT
3+88.8 P.I. 15°03'31" RT
6+06.5 P.I. 22°24'59" LT
7+48.2 PROPERTY LINE
NAD 27 LAT. = 32°05'41.30"N
LONG = 103°29'29.36"W



DESCRIPTION

A STRIP OF LAND 20.0 FEET WIDE CROSSING STATE OF NEW MEXICO LAND IN SECTION 29 TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 10.0 FEET LEFT AND 10.0 FEET RIGHT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY

BEGINNING AT A POINT WHICH LIES N67°55'30"W - 769.3 FEET FROM THE SOUTH QUARTER CORNER OF SAID SECTION 29, THEN N69°27'13"E - 239.0 FEET, THEN S80°23'19"E - 149.8 FEET, THEN S65°19'48"E - 217.7 FEET, THEN S87°44'47"E - 141.7 FEET TO A POINT ON THE EAST LINE OF THE WEST HALF OF SECTION 29 WHICH LIES N00°27'42"W - 251.6 FEET FROM THE SOUTH QUARTER CORNER OF SAID SECTION 29

SAID STRIP OF LAND BEING 748.2 FEET OR 45.35 RODS IN LENGTH, CONTAINING 0.344 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS

SE/4 SW/4 - 45.35 RODS OR 0.344 ACRES



SURVEYORS CERTIFICATE

I, TERRY J. ASEL, NEW MEXICO PROFESSIONAL SURVEYOR NO. 15079, DO HEREBY CERTIFY THAT I CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO AS ADOPTED BY THE NEW MEXICO STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND SURVEYORS

Terry J. Asel 9/30/2011
Terry J. Asel, N.M. R.P.S. No. 15079

Asel Surveying
P.O. BOX 393 - 310 W TAYLOR
HOBBS, NEW MEXICO - 575-393-9146



LEGEND

⊙ - DENOTES FOUND MONUMENT AS NOTED
⊙ - DENOTES CALCULATED CORNER

1000' 0 1000' 2000' FEET
SCALE 1"=1000'

EOG RESOURCES, INC.

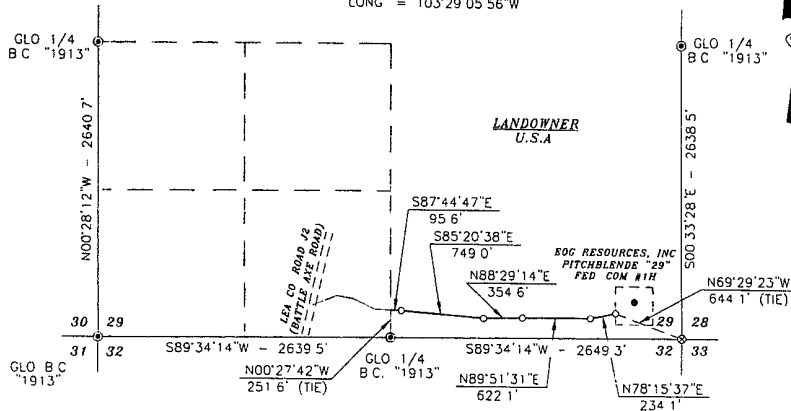
SURVEY FOR A ROAD EASEMENT CROSSING
STATE OF NEW MEXICO LAND IN SECTION 29,
TOWNSHIP 25 SOUTH, RANGE 34 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date 07/26/11	Sheet 1 of 2 Sheets
W.O. Number. 110726RD	Drawn By KA
Date 09/27/11	110726RD DWG Scale: 1"=1000'

Base of Bearings - GPS Coordinates Measurements
NAD 83 Zone 10N (83) North American Datum of 1983

SECTION 29, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M.,
LEA COUNTY
NEW MEXICO

7+48.2 PROPERTY LINE
NAD 27 LAT. = 32°05'41.30"N
LONG = 103°29'29.36"W
8+43.8 P.I. 02°24'09" RT
15+92.8 P.I. 06°10'08" LT
19+47.4 P.I. 01°22'17" RT
25+69.5 P.I. 11°35'54" LT
28+03.6 END SURVEY @
EOG RESOURCES, INC
PITCHBLEND "29" FED COM #1H
NAD 27 LAT = 32°05'41.08"N
LONG = 103°29'05.56"W



GPS Geodetic Measurements
Base of Bearings
NAD 83 Zone 18S

DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE AND 2055.4 FEET OR 0.389 MILES IN LENGTH CROSSING U.S.A. LAND IN SECTION 29, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND 15.0 FEET RIGHT OF THE ABOVE PLATTED CENTERLINE SURVEY



SURVEYORS CERTIFICATE

I, TERRY J. ASEL, NEW MEXICO PROFESSIONAL SURVEYOR NO. 15079, DO HEREBY CERTIFY THAT I CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND MEETS THE "MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO" AS ADOPTED BY THE NEW MEXICO STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND SURVEYORS.

Terry J. Asel 9/30/2011
Terry J. Asel N.M.P.S. No. 15079

Asel Surveying
P.O. BOX 393 - 310 W TAYLOR
HOBBS, NEW MEXICO - 575-393-9146



LEGEND

- ⊙ - DENOTES FOUND MONUMENT AS NOTED
- ⊗ - DENOTES CALCULATED CORNER

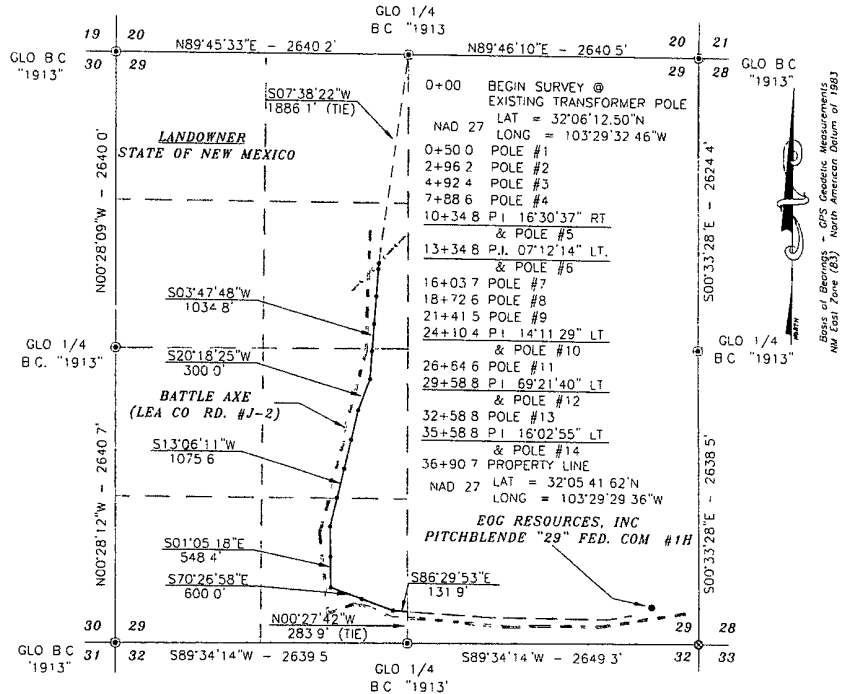
1000' 0 1000' 2000' FEET
SCALE 1"=1000'

EOG RESOURCES, INC.

SURVEY FOR A ROAD EASEMENT
CROSSING U.S.A. LAND IN SECTION 29,
TOWNSHIP 25 SOUTH, RANGE 34 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date	07/26/11	Sheet	2	of	2	Sheets
W.O. Number	110726RD	Drawn By	KA			
Date	09/27/11	110726RD DWG	Scale	1"=1000'		

SECTION 29, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M.,
LEA COUNTY
NEW MEXICO



DESCRIPTION

A STRIP OF LAND 300 FEET WIDE CROSSING STATE OF NEW MEXICO LAND IN SECTION 29 TOWNSHIP 25 SOUTH RANGE 34 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 150 FEET LEFT AND 150 FEET RIGHT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY

BEGINNING AT A POINT WHICH LIES S07°38'22\"W - 1886.1 FEET FROM THE NORTH QUARTER CORNER OF SAID SECTION 29, THEN S03°47'48\"W - 1034.8 FEET, THEN S20°18'25\"W - 300.0 FEET, THEN S13°06'11\"W - 1075.6 FEET; THEN S01°05'18\"E - 548.4 FEET, THEN S70°26'58\"E - 600.0 FEET, THEN S86°29'53\"E - 131.9 FEET TO A POINT WHICH LIES N00°27'42\"W - 283.9 FEET FROM THE SOUTH QUARTER CORNER OF SAID SECTION 29

SAID STRIP OF LAND BEING 3690.7 FEET OR 223.68 RODS IN LENGTH, CONTAINING 2.542 ACRES OF LAND MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS

SE/4 NW/4 - 46.48 RODS OR 0.528 ACRES
NE/4 SW/4 - 82.55 RODS OR 0.938 ACRES
SE/4 SW/4 - 94.65 RODS OR 1.076 ACRES

SURVEYORS CERTIFICATE

I, TERRY J. ASEL, NEW MEXICO PROFESSIONAL SURVEYOR NO. 15079, DO HEREBY CERTIFY THAT I CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THE SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO AS ADOPTED BY THE NEW MEXICO STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND SURVEYORS

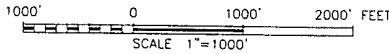
Terry J. Asel 9/27/2011
Terry J. Asel, N.M.P.S. No. 15079

Asel Surveying

P.O. BOX 393 - 310 W. TAYLOR
HOBBS, NEW MEXICO - 575-393-9146

LEGEND

- ⊙ - DENOTES FOUND MONUMENT AS NOTED
- ⊗ - DENOTES CALCULATED CORNER
- - DENOTES POLE

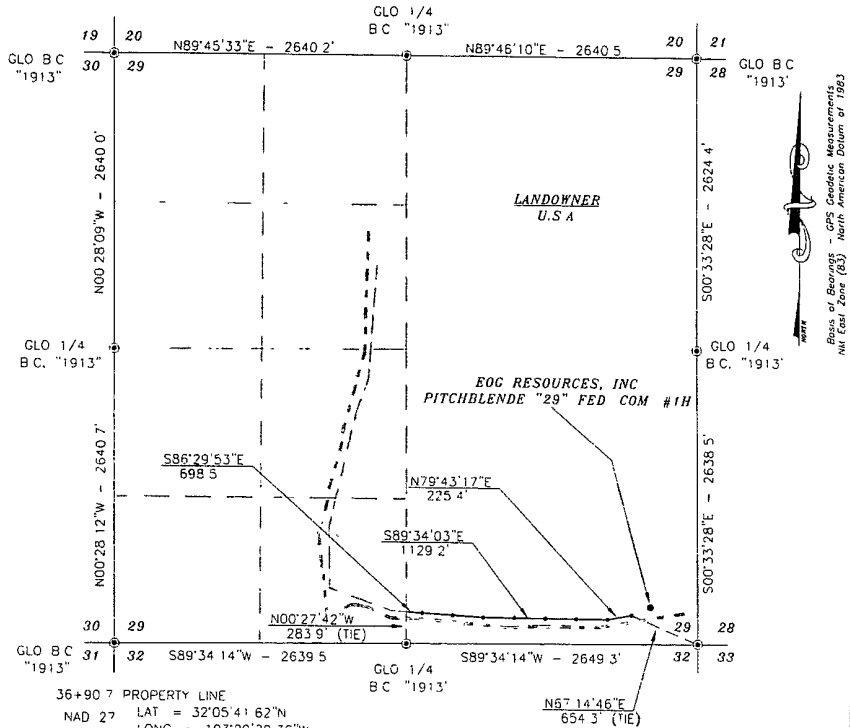


EOG RESOURCES, INC.

SURVEY FOR AN ELECTRIC LINE EASEMENT CROSSING STATE OF NEW MEXICO LAND IN SECTION 29, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date 08/19/11	Sheet 1 of 2 Sheets
W.O. Number, 110819EL	Drawn By, JL
Date 09/12/11	110819EL DWG Scale 1\"/>

SECTION 29, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M.,
LEA COUNTY
NEW MEXICO



36+90.7 PROPERTY LINE
NAD 27 LAT. = 32°05'41.62\"N
LONG. = 103°29'29.36\"W
38+35.6 POLE #15
41+12.4 POLE #16
43+69.2 P.I. 03°04'10\" LT
& POLE #17
46+71.5 POLE #18
49+53.8 POLE #19
52+36.1 POLE #20
55+18.4 P.I. 10°42'40\" LT
& POLE #21
57+43.8 END SURVEY @ EOG RESOURCES, INC.
PITCHBLEND "29" FED COM #1H
& POLE #22
NAD 27 LAT. = 32°05'41.35\"N
LONG. = 103°29'05.56\"W

DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE AND 2053.1 FEET OR 0.389 MILES IN LENGTH CROSSING U.S.A. LAND IN SECTION 29, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND 15.0 FEET RIGHT OF THE ABOVE PLATTED CENTERLINE SURVEY

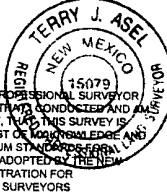
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Terry J. Asel 9/27/2011
Terry J. Asel, N.M. R.P.S. No. 15079

Asel Surveying

P.O. Box 393 - 310 W TAYLOR
HOBBS NEW MEXICO - 575-393-9146



LEGEND

- ⊙ - DENOTES FOUND MONUMENT AS NOTED
- ⊗ - DENOTES CALCULATED CORNER
- - DENOTES POLE

1000 0 1000' 2000' FEET
SCALE 1"=1000'

EOG RESOURCES, INC.

SURVEY FOR AN ELECTRIC LINE EASEMENT CROSSING U.S.A. LAND IN SECTION 29, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date	08/19/11	Sheet	2	of	2	Sheets
W.O. Number	110819EL	Drawn By	JL			
Date	09/15/11	110819EL DWG				Scale 1"=1000'

EOG RESOURCES, INC.
PITCHBLEND 29 FED COM NO. 1H

1. GEOLOGIC NAME OF SURFACE FORMATION:

Permian

2. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Rustler	880'
Top of Salt	1,300'
Base of Salt	4,993'
Delaware	5,275'
Bell Canyon	5,300'
Cherry Canyon	6,310'
Brushy Canyon	9,165'
Bone Spring Lime	9,320'
Bone Spring 1 Sand	10,375'
Bone Spring 2 Lime	10,627'
Pilot hole TD	10,600'

3. ESTIMATED DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS:

Upper Permian Sands	0- 400'	Fresh Water
Delaware	5,275'	Oil
Bell Canyon	5,300'	Oil
Cherry Canyon	6,310'	Oil
Brushy Canyon	9,165'	Oil
Bone Spring Lime	9,320'	Oil
Bone Spring 1 Sand	10,375'	Oil
Bone Spring 2 Lime	10,627'	Oil

No other Formations are expected to give up oil, gas or fresh water in measurable quantities. Surface fresh water sands will be protected by setting 11.75" casing at 905' and circulating cement back to surface.

4. CASING PROGRAM - NEW

See 10A

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
14.75"	0 - 905' 925'	11.75"	42#	H40	STC	1.125	1.25	1.60
11"	0-4000'	8.625"	32#	J55	LTC	1.125	1.25	1.60
11"	4000'-5150'	8.625"	32#	HCK55	LTC	1.125	1.25	1.60
7.875"	0'-19,187'	5.500"	20#	HCP110	NSCC	1.125	1.25	1.60

EOG RESOURCES, INC.
PITCHBLENDE 29 FED COM NO. 1H

Cementing Program:

Depth	No. Sacks	Wt. lb/gal	Yld Ft ³ /ft	Slurry Description
905' 425'	200	13.5	1.73	Lead: Class 'C' + 4.00% Bentonite + 0.40% CD-32 + 0.35% R-3 + 0.25 lb/sk Cello Flake
	250	14.8	1.33	Tail: Class 'C' + 0.15% R-3
5,150'	725	12.7	2.22	Lead: Class 'C' + 2.00% SMS + 10.00% Salt (10.331 lb/sk) + 1.00% R-3 + 0.25 lb/sk Cello Flake
	200	14.8	1.33	Tail: Class 'C' + 0.60% FL-62 + 0.45% CD-32 + 0.10% SMS + 0.30% R-3
BH Plug 10,400'- 10,600'	100	18.0	0.90	Class H + 0.005 lbs/sx Static Free + 5% Salt + 1.2% CD31 + 0.005 gps FP-6L
KO Plug 600'	300	18.0	0.90	Class H + 0.005 lbs/sx Static Free + 5% Salt + 1.2% CD31 + 0.005 gps FP-6L
19,187'	100	10.8	3.68	Lead 1: 60:40:0 Class 'C' + 15.00 lb/sk BA-90 + 4.00% MPA-5 + 3.00% SMS + 5.00% A-10 + 1.00% BA-10A + 0.80% ASA-301 + 2.55% R-21 + 8.00 lb/sk LCM-1
	300	11.8	2.38	Lead 2: 50:50:10 Class 'H' + 0.80% FL-52 + 0.30% ASA-301 + 0.50% SMS + 2.00% Salt (2.215 lb/sk) + 0.10% R-21 + 3.00 lb/sk LCM-1 + 0.25 lb/sk Cello Flake
	1728	14.2	1.28	Tail: 50:50:2 Class 'H' + 0.65% FL-52 + 0.50% CD-32 + 0.40% SMS + 2.00% Salt (0.961 lb/sk)

Note: Cement volumes based on bit size plus at least 25% excess in the open hole plus 10% excess in the cased-hole overlap section.

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Variance is requested to use a co-flex line between the BOP and choke manifold (instead of using a 4" OD steel line).

The minimum blowout preventer equipment (BOPE) shown in Exhibit #1 will consist of a double ram-type (10,000 psi WP) preventer and an annular preventer (5000-psi WP). Both units will be hydraulically operated and the ram-type will be equipped with blind rams on bottom and drill pipe rams on top. All BOPE will be tested in accordance with Onshore Oil & Gas order No. 2.

3000 psi BOPE is adequate for this application. Due to the 3000 psi BOPE requirement no FIT tests are planned.

EOG RESOURCES, INC.
PITCHBLEND 29 FED COM NO. 1H

Before drilling out of the surface casing, the ram-type BOP and accessory equipment will be tested to 3000/ 250 psig and the annular preventer to 2500/ 250 psig. The surface casing will be tested to 1400 psi for 30 minutes.

Before drilling out of the intermediate casing, the ram-type BOP and accessory equipment will be tested to 3000/ 250 psig and the annular preventer to 2500/ 250 psig. The intermediate casing will be tested to 2000 psi for 30 minutes.

Pipe rams will be operationally checked each 24-hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets.

A hydraulically operated choke will be installed prior to drilling out of the intermediate casing shoe.

6. TYPES AND CHARACTERISTICS OF THE PROPOSED MUD SYSTEM:

The applicable depths and properties of the drilling fluid systems are as follows. Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 905' 925	Fresh Water Gel	8.6-8.8	28-34	N/c
905' – 5,150'	Saturated Brine	10.0-10.2	28-34	N/c
5,150' – 10,600' Pilot hole	Cut Brine	8.5-9.0	28-34	N/c
KOP – 19,187' Lateral	Cut Brine	8.5-9.0	28-34	N/c

7. AUXILIARY WELL CONTROL AND MONITORING EQUIPMENT:

(A) A kelly cock will be kept in the drill string at all times.

(B) A full opening drill pipe-stabbing valve (inside BOP) with proper drill pipe connections will be on the rig floor at all times.

(C) H₂S monitoring and detection equipment will be utilized from 1,100' to TD.

EOG RESOURCES, INC.
PITCHBLEND 29 FED COM NO. 1H

8. LOGGING, TESTING AND CORING PROGRAM:

Open-hole logging is anticipated in the 7-7/8" pilot hole section. The logging suites for this hole section are listed below:

*See
com*

NGT-CNL-LDT w/ Pe	From TD to previous casing shoe. At casing pull GR – Neutron to surface.
HR Laterolog Array	From TD to previous casing shoe.
FMI	Possible in the production hole

9. ABNORMAL CONDITIONS, PRESSURES, TEMPERATURES AND POTENTIAL HAZARDS:

The estimated bottom hole temperature (BHT) at TD is 170 degrees F with an estimated maximum bottom-hole pressure (BHP) at TD of 4590 psig. No hydrogen sulfide or other hazardous gases or fluids have been encountered, reported or are known to exist at this depth in this area. No major loss circulation zones have been reported in offsetting wells.

10. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

The drilling operation should be finished in approximately one month. If the well is productive, an additional 30-60 days will be required for completion and testing before a decision is made to install permanent facilities.

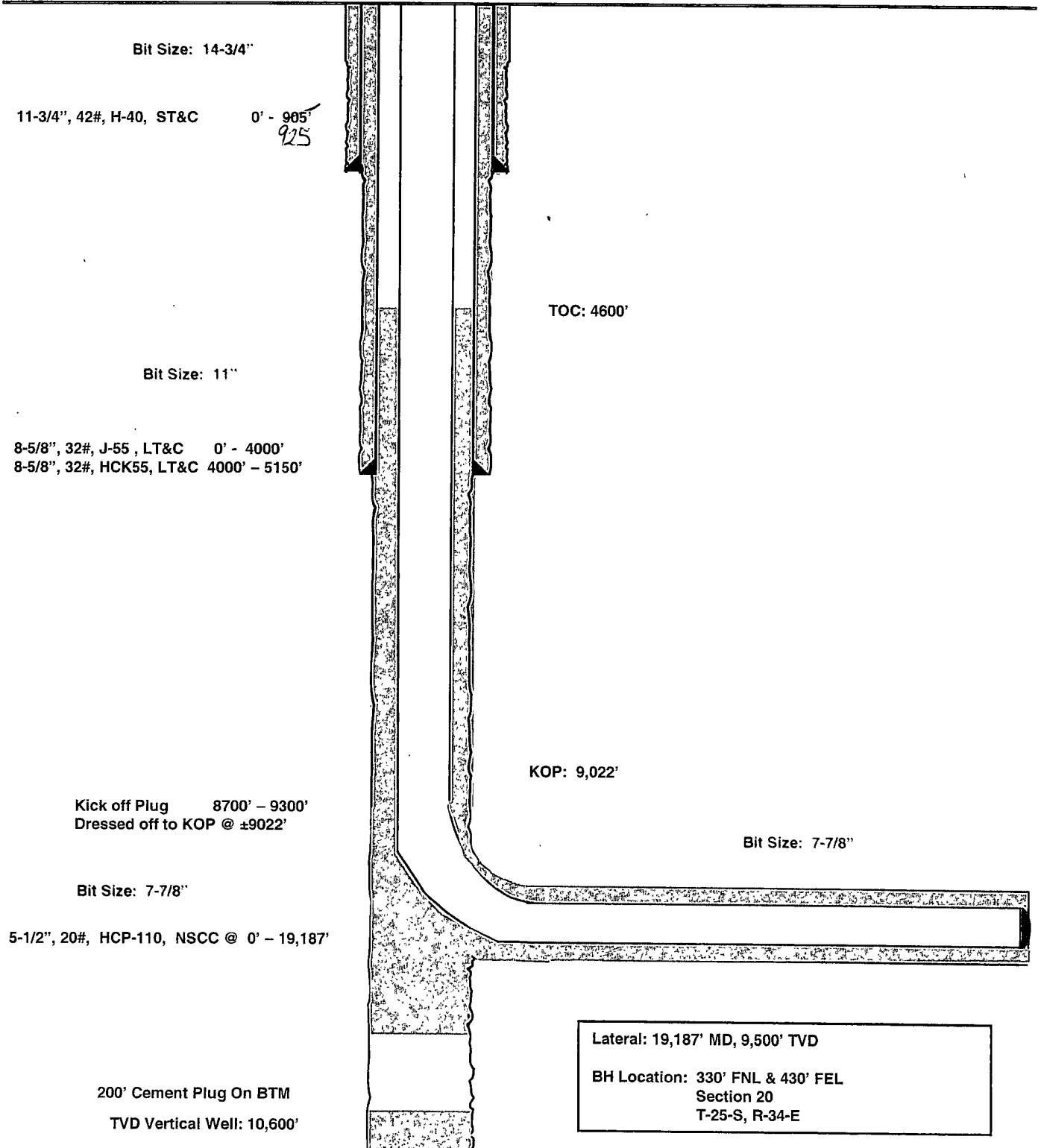
Pitchblende 29 Fed Com #1H
Red Hills
Lea County, New Mexico

330' FSL
430' FEL
Section 29
T-25-S, R-34-E

Proposed Wellbore

KB: 3,351.2'
GL: 3,321.2'

API: 30-025-



Project: Lea County, NM (Nad27)
Site: Pinchblende 29 Federal
Well: Pinchblende 29 Fed Com 1H
Wellbore: Wellbore #1
Plan: Plan #1 093011
Rig: Cactus Rig No. 123

PROJECT DETAILS Lea County, NM (Nad27)

Geodetic System US State Plane 1927 (Exact solution)
 Datum NAD 1927 (NADCON CONUS)
 Ellipsoid Clarke 1866
 Zone New Mexico East 3001
 System Datum Mean Sea Level
 Location North Grid

WELL DETAILS: Pinchblende 29 Fed Com 1H

Ground Level 3321.20
 Northing 399326.40 Easting 762920.20 32° 5' 42.068 N 103° 29' 3.574 W

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
BHL Pinchblende 29 Fed Com 1H	9500.00	9891.20	-88.90	409217.60	762831.30	Point

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSeet
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9022.54	0.00	0.00	9022.54	0.00	0.00	0.00	0.00	0.00
9772.54	90.00	359.49	9500.00	477.45	-4.29	12.00	359.49	477.46
19186.67	90.00	359.49	9500.00	9891.20	-88.90	0.00	0.00	9891.60

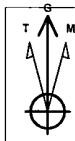
BHL Pinchblende 29 Fed Com 1H

ANNOTATIONS

TVD MD Annotation
 9022.54 9022.54 Start 12°100' Build @ 9022' MD
 9500.00 9772.54 Start 9414' Hold @ 9772' MD
 9500.00 19186.67 TD @ 19186' M

FORMATION TOP DETAILS

No formation data is available



Azimuths to Grid North
 True North -0.45°
 Magnetic North 7.05°
 Magnetic Field
 Strength 48519.5nT
 Dip Angle 60.08°
 Date 9/30/2011
 Model IGRF2010_14

