

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 Resources

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

RECEIVED

Form C-101
May 27, 2004

FEB 16 2005
Submit to appropriate District Office
OCD-ARTESIA
AMENDED REPORT

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

¹ Operator Name and Address Edge Petroleum Operating Company, Inc. 1301 Travis Suite 2000 Houston, Texas 77002		² OGRID Number 224400
³ Property Code 34769	⁴ Property Name Golden Lane 29 State	⁵ API Number 30 - 015 - 34046
⁹ Proposed Pool 1 Dos Hermanos (Morrow)		¹⁰ Proposed Pool 2 Golden Lane (Strawn)

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
E	28	20-S	30-E		2520'	North	1130'	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	29	20-S	30-E		710'	North	1260'	East	Eddy

Additional Well Information

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3396'
¹⁶ Multiple NO	¹⁷ Proposed Depth 13,467'	¹⁸ Formation Morrow	¹⁹ Contractor	²⁰ Spud Date May 2005
Depth to Groundwater 125'		Distance from nearest fresh water well Over 200'		Distance from nearest surface water Over 1,000'
Pit: Liner: Synthetic ☒ 12 mils thick Clay ☐ Pit Volume: _____ bbls Drilling Method: Closed-Loop System ☐ Fresh Water ☒ Brine ☒ Diesel/Oil-based ☐ Gas/Air ☐				

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
26"	20"	94#	450'	550sx	Surface
17-1/2"	13-3/8"	18#	1,600'	1150sx	Surface
12-1/4"	9-5/8"	43.5#	3,980'	1430sx	Surface
8-1/2"	5-1/2"	23#	13,467'	1200sx	Surface

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.

Drill, case and complete well in the Strawn, Morrow formation.

BOP's include: 1) Hydrill Double Ram 13-5/8" x 3000 psi

2) Double Ram 13-5/8" x 3000 psi

3) Choke Manifold 4" x 3000 psi

4) Five Station accumulator closing unit with remote control

Sources at Edge Petroleum Operating Company, Inc. advised me that they do not anticipate enough H₂S from the surface to TD to meet the OCD's minimum requirements for the submission of a contingency plan per rule 118. However, H₂S monitoring equipment will be on location from intermediate casing to TD.

Mud program attached.

R-III-P

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 NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name: **Randell K. Ford**

Title: **Consultant**

E-mail Address: **Randell@rkford.com**

Date: **February 14, 2005**

Phone: **432-682-0440**

OIL CONSERVATION DIVISION

Approved by:

TIM W. GUM

DISTRICT II SUPERVISOR

Approval Date:

APR 11 2005

Expiration Date:

APR 11 2006

Conditions of Approval Attached ☐

Sandra @ RK Ford, com

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 Resources

Form C-144
June 1, 2004

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

For drilling and production facilities, submit to
appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe
office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☒ No ☐

Type of action: Registration of a pit or below-grade tank ☒ Closure of a pit or below-grade tank ☐

Operator: Edge Petroleum Operating Company, Inc. Telephone: 713-427-8883 e-mail address: sandra@rkford.com

Address: 1301 Travis, Suite 2000 Houston, Texas 77002

Facility or well name: Golden Lane 29 State #1 API # 30-015-34046 U/L or Qtr/Qtr A Sec 29 T-20-S R-30-E

County: Eddy Latitude 32°32'58.94" N Longitude 103°59'14.69" W NAD: 1927 ☐ 1983 ☐ Surface Owner Federal ☐ State ☒ Private ☐ Indian ☐

Pit

Type: Drilling ☒ Production ☐ Disposal ☐

Workover ☐ Emergency ☐

Lined ☒ Unlined ☐

Liner type: Synthetic ☒ Thickness 12 mil Clay ☐

Pit Volume _____ bbl

Below-grade tank

Volume: _____ bbl Type of fluid: _____

Construction material: _____

Double-walled, with leak detection? Yes ☐ If not, explain why not.

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AUG 09 2004

900-ARTESIA

Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)

Less than 50 feet	(20 points)
50 feet or more, but less than 100 feet	(10 points)
100 feet or more	(0 points) 0

Vellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)

Yes	(20 points)
No	(0 points) 0

Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)

Less than 200 feet	(20 points)
200 feet or more, but less than 1000 feet	(10 points)
1000 feet or more	(0 points) 0

Ranking Score (Total Points)

If this is a pit closure: (1) attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☐ offsite ☐ If offsite, name of facility _____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth below ground surface _____ ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments:

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

Date: August 6, 2004

Printed Name/Title Sandra Nobles / Consultant

Signature Sandra Nobles

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:

Printed Name/Title

Signature

Date:

AUG 12 2004

State of New Mexico

Energy, Minerals and Natural Resources Department

DISTRICT I
1226 N. FRENCH DR., HOBBBS, NM 88240

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1226 S. ST. FRANCIS DR., SANTA FE, NM 87505

OIL CONSERVATION DIVISION 1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505

Form C-102
Revised JUNE 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
Property Code	Property Name GOLDEN LANE 29 STATE	Well Number 1
OGRID No.	Operator Name EDGE PETROLEUM OPERATING COMPANY, INC.	Elevation 3359'

Surface Location

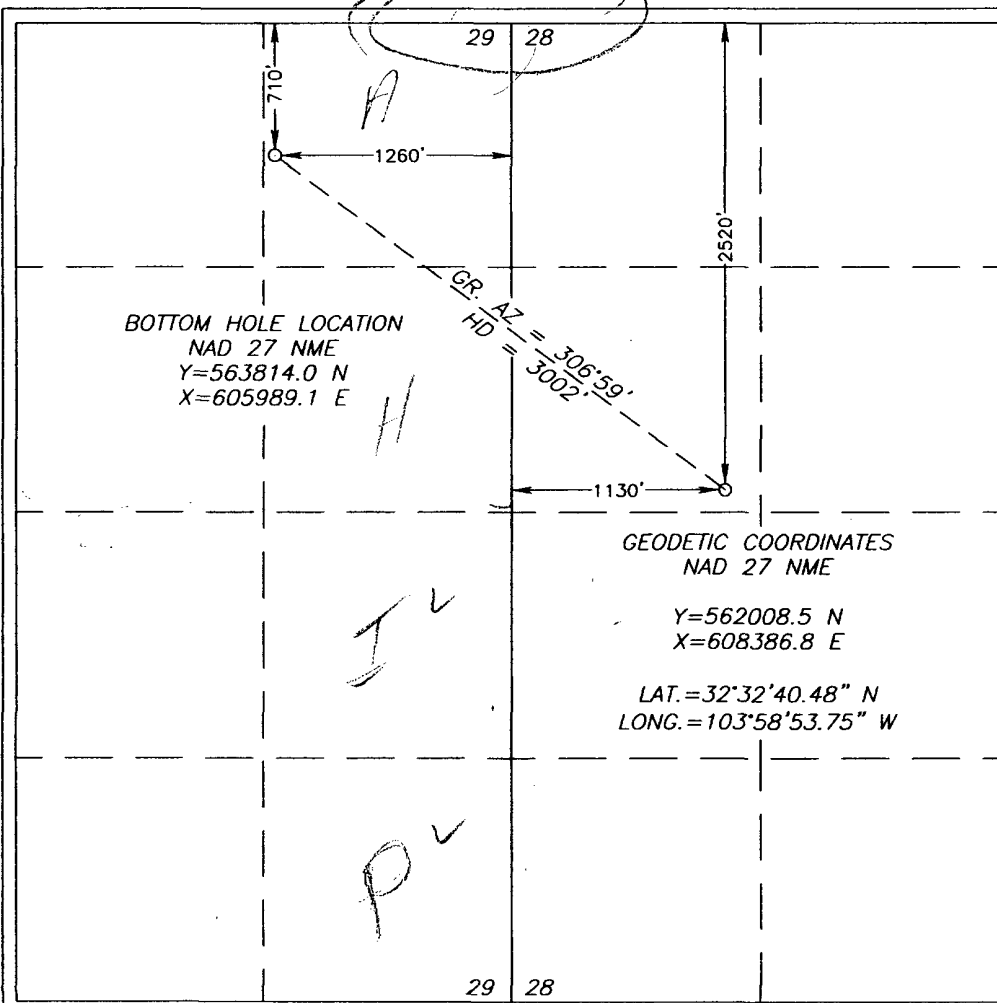
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	28	20-S	30-E		2520	NORTH	1130	WEST	EDDY

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	29	20-S	30-E		710	NORTH	1260	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
3.20			

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 the the information
contained herein is true and complete to the
best of my knowledge and belief.

Randell K. Ford
Signature

Randell K. Ford
Printed Name
President

February 15, 2005
Date

SURVEYOR CERTIFICATION

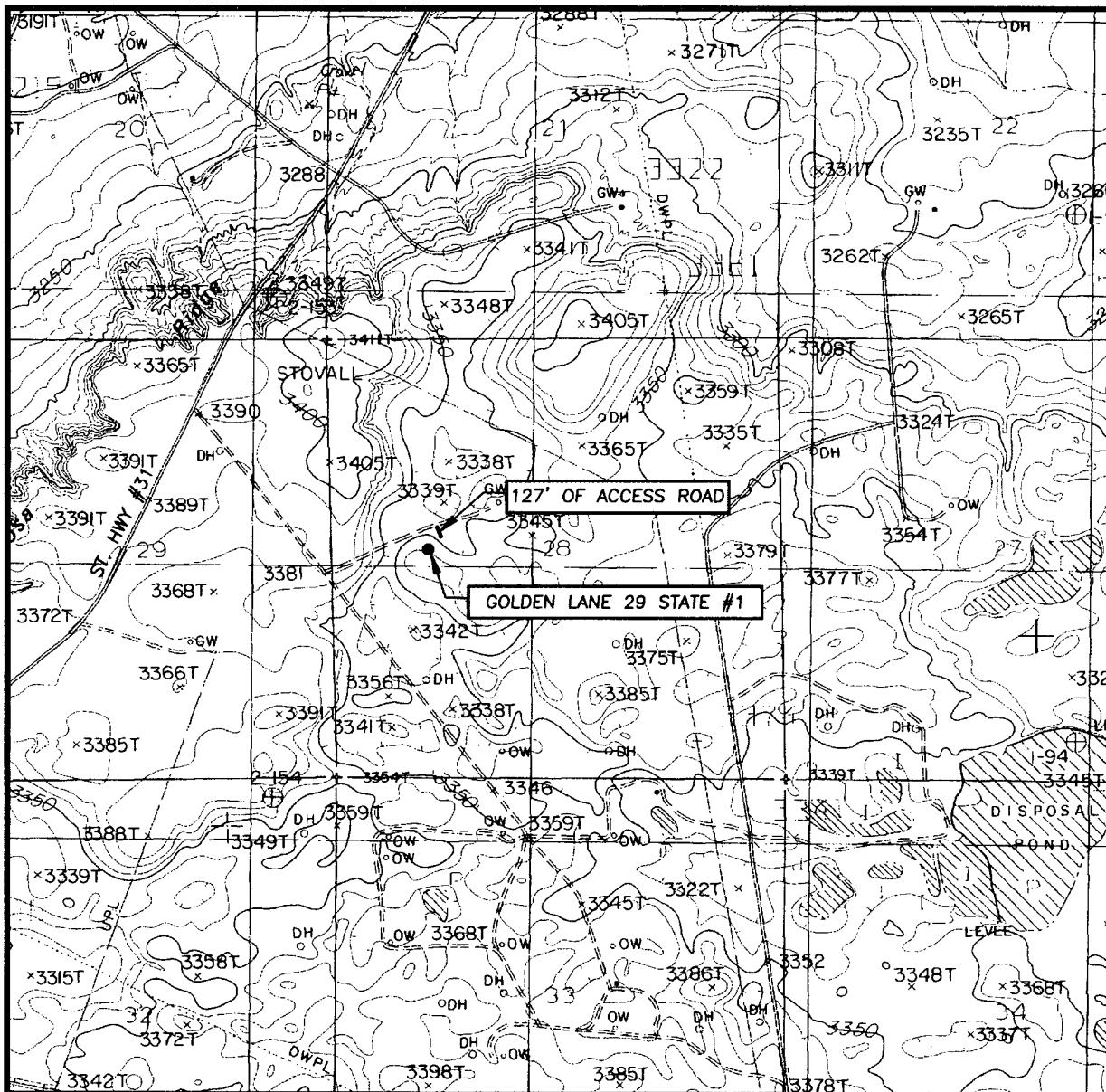
I hereby certify that the well location shown
on this plat was plotted from field notes of
actual surveys made by me or under my
supervision and that the same is true and
correct to the best of my belief.

GARY G. EIDSON
Date Surveyed
Signature & Seal of
Professional Surveyor

Gary G. Eidson
2/14/05
05-61-0021

Certificate No. **GARY EIDSON** 12641

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
TOWER HILL NORTH, N.M. - 10'

SEC. 28 TWP. 20-S RGE. 30-E

SURVEY N.M.P.M.

COUNTY EDDY

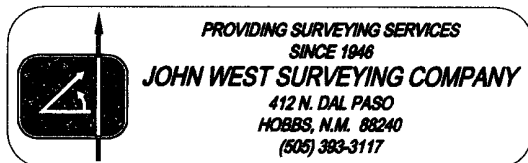
DESCRIPTION 2520' FNL & 1130' FWL

ELEVATION 3359'

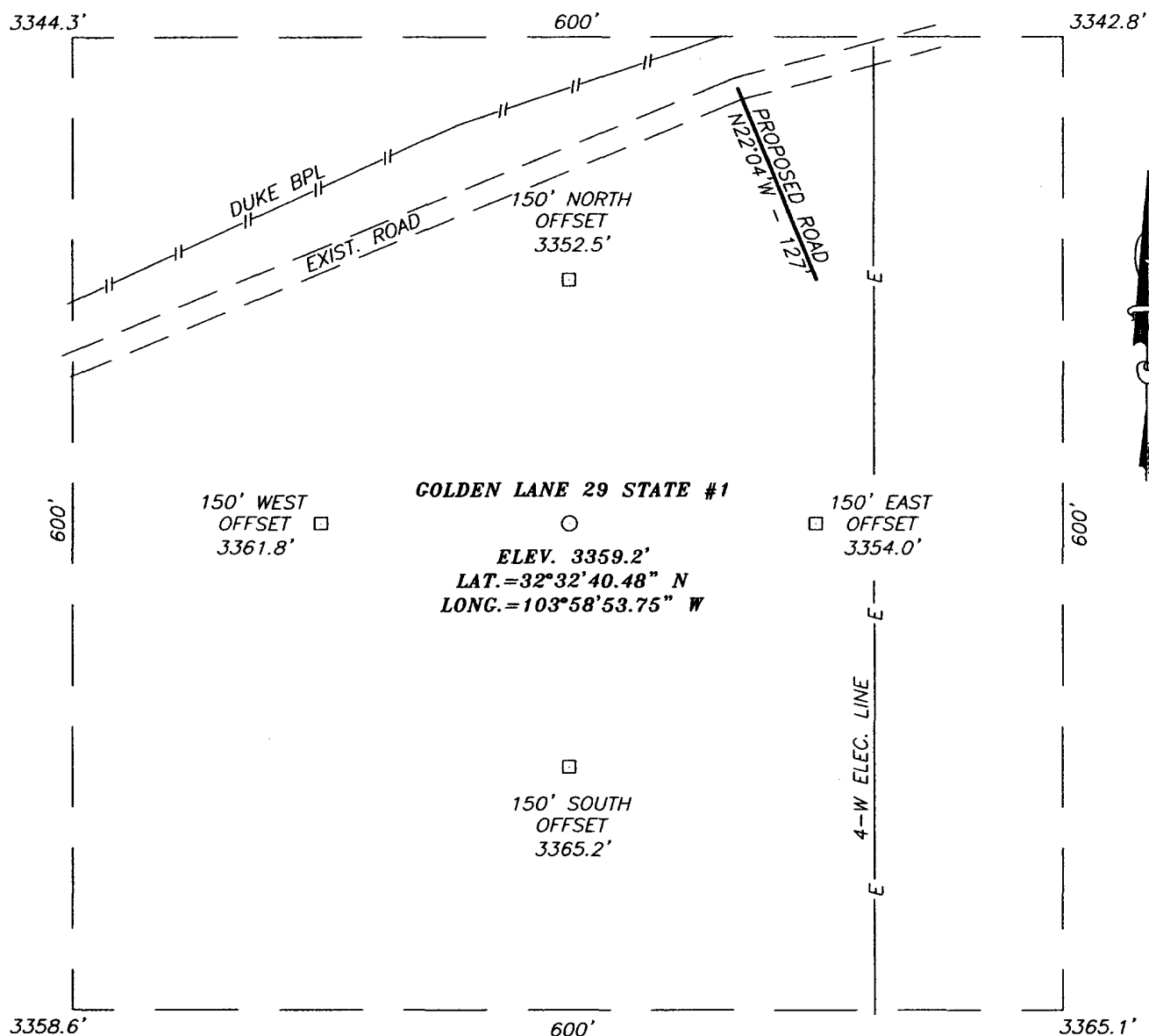
OPERATOR EDGE PETROLEUM
OPERATING COMPANY, INC.

LEASE GOLDEN LANE 29 STATE

U.S.G.S. TOPOGRAPHIC MAP
TOWER HILL NORTH, N.M.

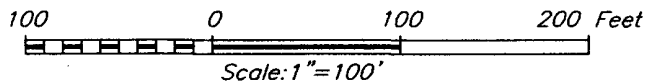
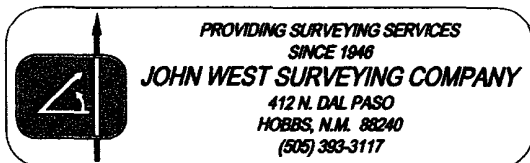


SECTION 28, TOWNSHIP 20 SOUTH, RANGE 30 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF U.S. HIGHWAY 62-180 AND ST. HIGHWAY #31 GO NORTHEAST ON HIGHWAY #31 APPROX. 2.0 MILES TO A CATTLE GUARD. TURN RIGHT AND GO SOUTHEAST 0.4 MILES. TURN LEFT AND GO NORTHEAST 0.3 MILES. THIS WELL IS ON THE RIGHT 250'±.

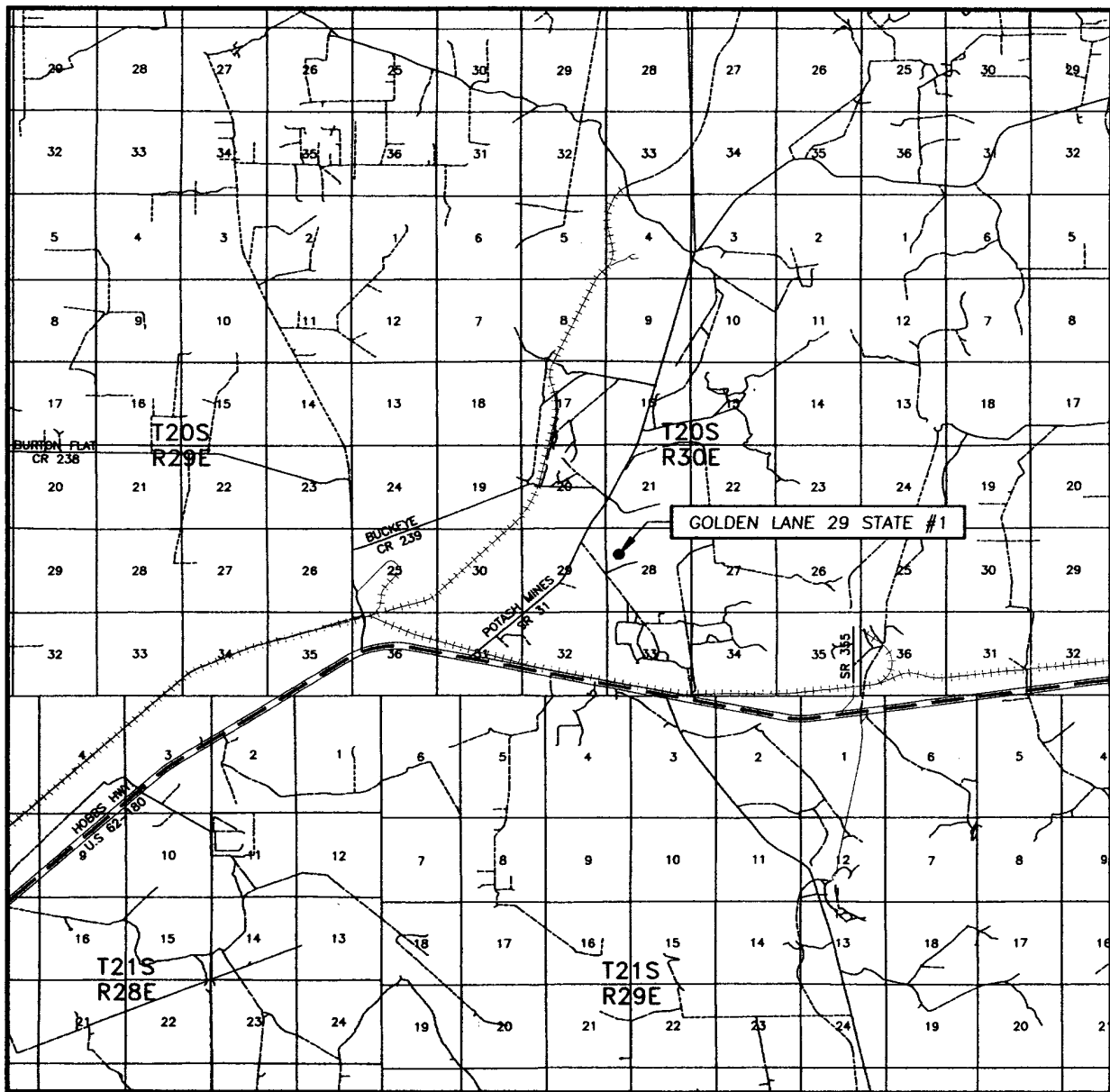


EDGE PETROLEUM OPERATING COMPANY, INC.

GOLDEN LANE 29 STATE #1 WELL
LOCATED 2520 FEET FROM THE NORTH LINE
AND 1130 FEET FROM THE WEST LINE OF SECTION 28,
TOWNSHIP 20 SOUTH, RANGE 30 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.

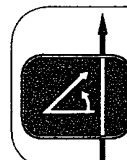
Survey Date: 1/7/05	Sheet 1 of 1 Sheets
W.O. Number: 05.11.0021	Dr By: LA
Date: 1/11/05	Disk: CD#4
05110021	Scale: 1"=100'

VICINITY MAP



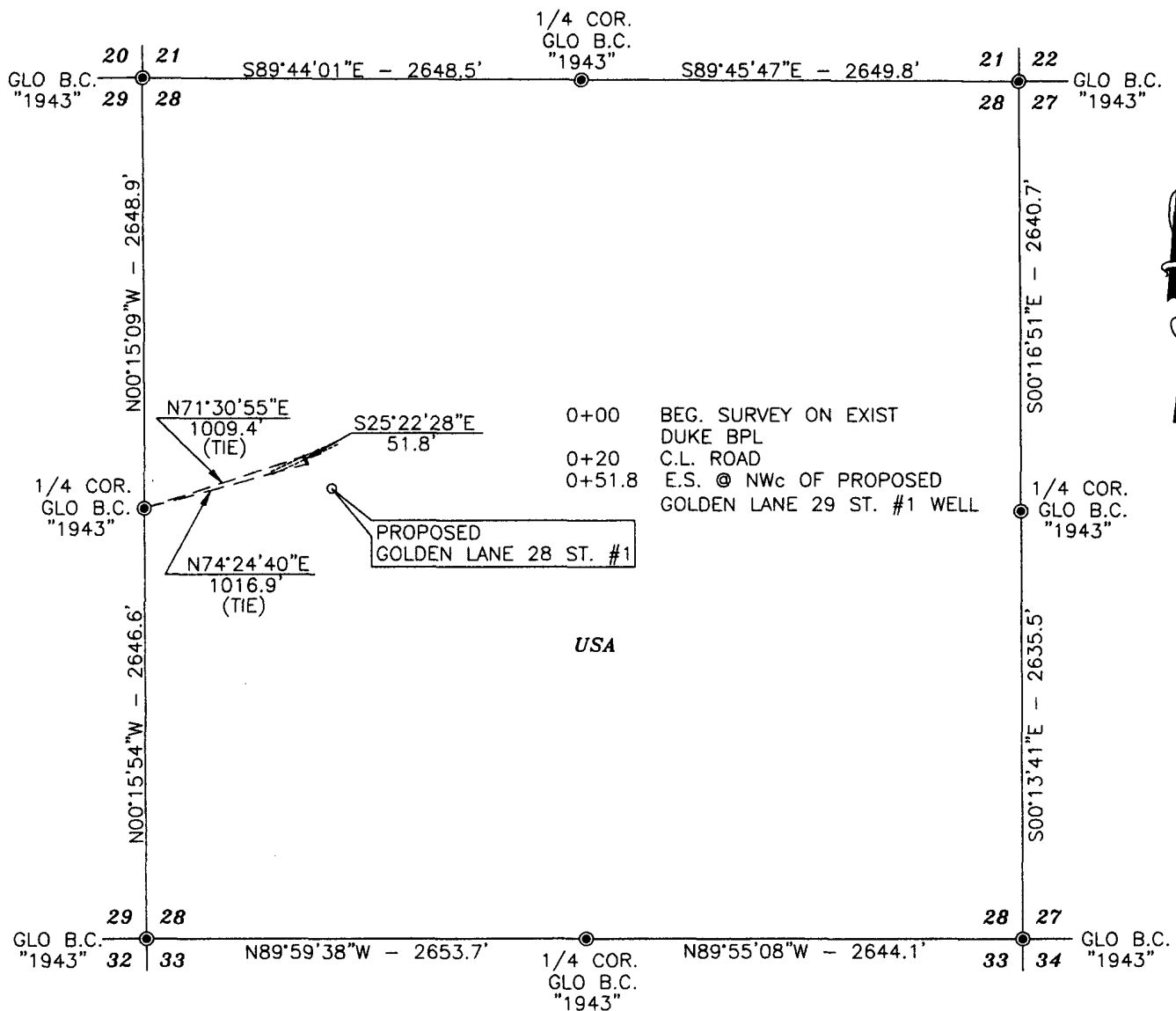
SCALE: 1" = 2 MILES

SEC. 28 TWP. 20-S RGE. 30-E
 SURVEY N.M.P.M.
 COUNTY EDDY
 DESCRIPTION 2520' FNL & 1130' FWL
 ELEVATION 3359'
 OPERATOR EDGE PETROLEUM
 OPERATING COMPANY, INC.
 LEASE GOLDEN LANE 29 STATE



PROVIDING SURVEYING SERVICES
 SINCE 1946
JOHN WEST SURVEYING COMPANY
 412 N. DAL PASO
 HOBBS, N.M. 88240
 (505) 393-3117

SECTION 28, TOWNSHIP 20 SOUTH, RANGE 30 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



DESCRIPTION

A STRIP OF LAND 50.0 FEET WIDE AND 51.8 FEET OR 0.010 MILES IN LENGTH CROSSING USA LAND IN SECTION 28, TOWNSHIP 20 SOUTH, RANGE 30 EAST, NMPM, EDDY COUNTY, NEW MEXICO AND BEING 25.0 FEET LEFT AND 25.0 FEET RIGHT OF THE ABOVE CENTERLINE.

NOTE: BEARINGS SHOWN HEREON ARE MERCATOR GRID AND CONFORM TO THE NEW MEXICO COORDINATE SYSTEM "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983. DISTANCES ARE SURFACE VALUES.

I HEREBY CERTIFY THAT I DIRECTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.

GARY G. EDSON, N.M. R.S. No. 12641

PROVIDING SURVEYING SERVICES
SINCE 1948
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO
HOBBS, N.M. 88240
(505) 393-3117

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

EDGE PETROLEUM OPERATING COMPANY, INC.

SURVEY A PIPELINE IN
SECTION 28, TOWNSHIP 20 SOUTH, RANGE 30 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO

Survey Date: 1/07/05	Sheet 1 of 1 Sheets
W.O. Number: 05.11.0021	Drawn By: L.A.
Date: 1/11/05	DISK:CD#4 05110021_PIPELINE



Newpark Drilling Fluids, LLC



Edge Petroleum Operating Company Inc.
Golden Lane 29 State No. 1
Section 29, T-20-S, R-30-E
Eddy County, New Mexico

Mud Program Summary

<u>Depth</u>	<u>Hole Size</u>	<u>Casing</u>	<u>Mud Wt.</u>	<u>Viscosity</u>	<u>Fluid Loss</u>	<u>pH</u>
0' – 450'	26"	20"	8.6-9.2	32-34	N/C	N/C
450' – 1,600'	17-1/2"	13-3/8"	9.9-10.0	28-29	N/C	9-10
1,600' – 3,980'	12-1/4"	9-5/8"	8.4-8.5	28-29	N/C	9-10
3,980' – 10,700'	8-1/2"	-	8.4-9.5	28-29	N/C	9-10
10,700' – 12,750'	8-1/2"	5-1/2"	9.5-11.0	36-38	8-10	9-9.5

Potential Problems

Surface Interval 0 – 450'

- Severe seepage.
- Poorly consolidated formations, may require higher than normal viscosity.

17-1/2" Interval 450' – 1,600'

- Salt formations subject to washout.
- Deviation through the salt.

12-1/4" Interval 1,600' – 3,980'

- Severe seepage and losses.
- Deviation.

8-1/2" Interval 3,980' – 10,700'

- Moderate seepage.
- Deviation.
- Abnormal pressure development (Lower Wolfcamp).

8-1/2" Interval 10,700' – 12,750'

- Moderate seepage.
- Deviation.
- Abnormal pressure development (Strawn and Atoka).



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Mark E. Fesmire, P.E.

Director

Oil Conservation Division

April 12, 2005
Intrepid Mining NM LLC
210 Red Cloud
Carlsbad, NM 88220
Attn: Mr. Tom McGuire

Re: **Edge Petroleum Operating Company: Golden Lane 29 State # 1, located in Unit E
(2520' FNL & 1130' FEL, Surface Location) of Section 28, Township 20 South, Range 30
East, Eddy County, New Mexico, NMPM**

Dear Mr. McGuire or To Whom It may Concern:

In regards to the above captioned well, the New Mexico Oil Conservation Division (NMOCD) has approved said application as of April 11, 2005. API # 30-015-34046.

When the drilling application was submitted, I notified the operator that they were to obtain a waiver from the Potash Lease Holder in order to further process the application. This notice was at or around February 17, 2005.

As of April 12, 2005, Edge Petroleum Operating Company, have not received any correspondence of any kind back from yourself or your company on this matter.

In reviewing the rules and regulations of R-111-P under item IV

"Location of Wells and Notice to Potash Lessee" in item (B) it says in part:

"Within (20) days of service of an APD and required documents, any potash leaseholder within (1) mile of the proposed well location (or any affected potash lessee of the proposed well will penetrate abandoned mine workings) may file an objection with the OCC to the proposed well."

It goes on to say in item C: 'The failure of a potash leaseholder to object to a well location or its agreement to the drilling locations referred to in this Agreement shall not constitute a release of liability.'

Since it has been well over 20 days and from what I understand Edge Petroleum, Inc, has been unsuccessful in contacting you or any other employees about this matter that represents Intrepid Mining NM LLC, said well has been approved as earlier stated.

Please call our office if you have any questions regarding this matter.

Respectfully yours,

Bryan G. Arrant

PES

CC: Well File; Edge Petroleum, Inc.; David K. Brooks-Legal Council, Santa Fe;
Tim Gum-District Supervisor, Artesia



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Mark E. Fesmire, P.E.

Director

Oil Conservation Division

February 21, 2005
Bureau of Land Management
620 East Greene St.
Carlsbad, NM 88220-6292
Attn: Craig Cranston or To Whom It May Concern

RE: APPLICATION FOR PERMIT TO DRILL IN POTASH AREA

OPERATOR: Edge Petroleum Operating Company, Inc.
LEASE NAME: Golden Lane '29' State # 1
LOCATION: SEC. 28, TOWNSHIP 20 SOUTH, RANGE 30 EAST,
2520' FNL & 1130' FWL (Surface Hole Location)
EDDY COUNTY, NM, NMPM

PROPOSED DEPTH: 13,467'

Dear Craig or To Whom It May Concern,

The application for permit to drill identified above has been filed with this office of the New Mexico Oil Conservation Division. Pursuit to the provisions of Oil Conservation Division Order R-111-P, please advise this office whether or not this application is within an established Life-of-Mine Reserve area filed with and approved by your office. If not, please advise whether it is within the buffer zone established by this order.

Thank you for your assistance.

Sincerely,

Bryan G. Arrant
PES, District II Artesia NMOCD

In LMR	Yes _____	No _____
In Buffer Zone	Yes _____	No _____

Comments:

Signature: _____ **Date:** _____



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

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FEB 25 2005

OCD-ARTESIA

Mark E. Fesmire, P.E.

Director

Oil Conservation Division

February 21, 2005
New Mexico State Land Office
310 Old Santa Fe Trail
Santa Fe, NM 87504-1148
Attn: Mr. Joe Mraz or To Whom It may Concern

RE: APPLICATION FOR PERMIT TO DRILL IN POTASH AREA

OPERATOR: Edge Petroleum Operating Company, Inc.
LEASE NAME: Golden Lane '29' State # 1
LOCATION: SEC. 28, TOWNSHIP 20 SOUTH, RANGE 30 EAST,
2520' FNL & 1130' FWL (Surface Hole Location)
EDDY COUNTY, NM, NMPM

PROPOSED DEPTH: 13,467'

Dear Joe or To Whom It May Concern,

The application for permit to drill identified above has been filed with this office of the New Mexico Oil Conservation Division. Pursuit to the provisions of Oil Conservation Division Order R-111-P, please advise this office whether or not this application is within an established Life-of-Mine Reserve area filed with and approved by your office. If not, please advise whether it is within the buffer zone established by this order.

Thank you for your assistance.

Sincerely,

Bryan G. Arrant
PES, District II Artesia NMOCD

In LMR Yes _____
In Buffer Zone Yes X

No X
No _____

jm
2-21-05

Comments:

Signature:

Date:

2/21/05

PathFinder

Planning Report

Company: Edge Petroleum Operating Compa
Field: Golden Lane State '29' #1
Site: Section 28, T20-S, R30E
Well: Golden Lane State '29' #1
Wellpath: Original Hole

Date: 2/14/2005 Time: 14:58:40 Page: 2
Co-ordinate(NE) Reference: Site: Section 28, T20-S, R30E, True Nort
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,306.98Azi)
Plan: Plan #3 021405

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
1700.00	0.00	306.98	1700.00	0.00	0.00	0.00	0.00	0.00	0.00	
1800.00	0.00	306.98	1800.00	0.00	0.00	0.00	0.00	0.00	0.00	
1900.00	0.00	306.98	1900.00	0.00	0.00	0.00	0.00	0.00	0.00	
2000.00	0.00	306.98	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2100.00	0.00	306.98	2100.00	0.00	0.00	0.00	0.00	0.00	0.00	
2200.00	0.00	306.98	2200.00	0.00	0.00	0.00	0.00	0.00	0.00	
2300.00	0.00	306.98	2300.00	0.00	0.00	0.00	0.00	0.00	0.00	
2400.00	0.00	306.98	2400.00	0.00	0.00	0.00	0.00	0.00	0.00	
2500.00	0.00	306.98	2500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2600.00	0.00	306.98	2600.00	0.00	0.00	0.00	0.00	0.00	0.00	
2700.00	0.00	306.98	2700.00	0.00	0.00	0.00	0.00	0.00	0.00	
2800.00	0.00	306.98	2800.00	0.00	0.00	0.00	0.00	0.00	0.00	
2900.00	0.00	306.98	2900.00	0.00	0.00	0.00	0.00	0.00	0.00	
3000.00	0.00	306.98	3000.00	0.00	0.00	0.00	0.00	0.00	0.00	
3100.00	0.00	306.98	3100.00	0.00	0.00	0.00	0.00	0.00	0.00	
3200.00	0.00	306.98	3200.00	0.00	0.00	0.00	0.00	0.00	0.00	
3300.00	0.00	306.98	3300.00	0.00	0.00	0.00	0.00	0.00	0.00	
3400.00	0.00	306.98	3400.00	0.00	0.00	0.00	0.00	0.00	0.00	
3500.00	0.00	306.98	3500.00	0.00	0.00	0.00	0.00	0.00	0.00	
3600.00	0.00	306.98	3600.00	0.00	0.00	0.00	0.00	0.00	0.00	
3700.00	0.00	306.98	3700.00	0.00	0.00	0.00	0.00	0.00	0.00	
3800.00	0.00	306.98	3800.00	0.00	0.00	0.00	0.00	0.00	0.00	
3900.00	0.00	306.98	3900.00	0.00	0.00	0.00	0.00	0.00	0.00	
3971.00	0.00	306.98	3971.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP w/3° DLS @ 3971' MD/T
4000.00	0.87	306.98	4000.00	0.13	-0.18	0.22	3.00	3.00	0.00	
4100.00	3.87	306.98	4099.90	2.62	-3.48	4.35	3.00	3.00	0.00	
4200.00	6.87	306.98	4199.45	8.25	-10.95	13.71	3.00	3.00	0.00	
4300.00	9.87	306.98	4298.38	17.01	-22.58	28.27	3.00	3.00	0.00	
4400.00	12.87	306.98	4396.40	28.86	-38.33	47.98	3.00	3.00	0.00	
4500.00	15.87	306.98	4493.26	43.79	-58.15	72.80	3.00	3.00	0.00	
4600.00	18.87	306.98	4588.69	61.75	-81.99	102.65	3.00	3.00	0.00	
4644.59	20.21	306.98	4630.71	70.72	-93.90	117.56	3.00	3.00	0.00	End of Build @ 20.21° Inc
4700.00	20.21	306.98	4682.71	82.24	-109.19	136.70	0.00	0.00	0.00	
4800.00	20.21	306.98	4776.56	103.02	-136.79	171.24	0.00	0.00	0.00	
4900.00	20.21	306.98	4870.40	123.80	-164.38	205.78	0.00	0.00	0.00	
5000.00	20.21	306.98	4964.25	144.58	-191.97	240.33	0.00	0.00	0.00	
5100.00	20.21	306.98	5058.09	165.36	-219.56	274.87	0.00	0.00	0.00	
5200.00	20.21	306.98	5151.93	186.14	-247.16	309.41	0.00	0.00	0.00	
5300.00	20.21	306.98	5245.78	206.92	-274.75	343.95	0.00	0.00	0.00	
5400.00	20.21	306.98	5339.62	227.70	-302.34	378.50	0.00	0.00	0.00	
5500.00	20.21	306.98	5433.47	248.48	-329.93	413.04	0.00	0.00	0.00	
5600.00	20.21	306.98	5527.31	269.27	-357.52	447.58	0.00	0.00	0.00	
5700.00	20.21	306.98	5621.16	290.05	-385.12	482.12	0.00	0.00	0.00	
5800.00	20.21	306.98	5715.00	310.83	-412.71	516.66	0.00	0.00	0.00	
5900.00	20.21	306.98	5808.85	331.61	-440.30	551.21	0.00	0.00	0.00	
6000.00	20.21	306.98	5902.69	352.39	-467.89	585.75	0.00	0.00	0.00	
6100.00	20.21	306.98	5996.54	373.17	-495.49	620.29	0.00	0.00	0.00	
6200.00	20.21	306.98	6090.38	393.95	-523.08	654.83	0.00	0.00	0.00	
6300.00	20.21	306.98	6184.23	414.73	-550.67	689.38	0.00	0.00	0.00	
6400.00	20.21	306.98	6278.07	435.51	-578.26	723.92	0.00	0.00	0.00	
6500.00	20.21	306.98	6371.92	456.29	-605.86	758.46	0.00	0.00	0.00	
6600.00	20.21	306.98	6465.76	477.07	-633.45	793.00	0.00	0.00	0.00	
6636.49	20.21	306.98	6500.00	484.66	-643.52	805.61	0.00	0.00	0.00	Bone Springs

PathFinder

Planning Report

Company: Edge Petroleum Operating Compa
Field: Golden Lane State '29' #1
Site: Section 28, T20-S, R30E
Well: Golden Lane State '29' #1
Wellpath: Original Hole

Date: 2/14/2005 Time: 14:58:40 Page: 3
Co-ordinate(NE) Reference: Site: Section 28, T20-S, R30E, True Nort
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,306.98Azi)
Plan: Plan #3 021405

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N-S ft	+E-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
6700.00	20.21	306.98	6559.60	497.85	-661.04	827.55	0.00	0.00	0.00	
6800.00	20.21	306.98	6653.45	518.64	-688.63	862.09	0.00	0.00	0.00	
6900.00	20.21	306.98	6747.29	539.42	-716.22	896.63	0.00	0.00	0.00	
7000.00	20.21	306.98	6841.14	560.20	-743.82	931.17	0.00	0.00	0.00	
7100.00	20.21	306.98	6934.98	580.98	-771.41	965.72	0.00	0.00	0.00	
7200.00	20.21	306.98	7028.83	601.76	-799.00	1000.26	0.00	0.00	0.00	
7300.00	20.21	306.98	7122.67	622.54	-826.59	1034.80	0.00	0.00	0.00	
7400.00	20.21	306.98	7216.52	643.32	-854.19	1069.34	0.00	0.00	0.00	
7500.00	20.21	306.98	7310.36	664.10	-881.78	1103.89	0.00	0.00	0.00	
7600.00	20.21	306.98	7404.21	684.88	-909.37	1138.43	0.00	0.00	0.00	
7700.00	20.21	306.98	7498.05	705.66	-936.96	1172.97	0.00	0.00	0.00	
7800.00	20.21	306.98	7591.90	726.44	-964.56	1207.51	0.00	0.00	0.00	
7900.00	20.21	306.98	7685.74	747.22	-992.15	1242.06	0.00	0.00	0.00	
8000.00	20.21	306.98	7779.59	768.01	-1019.74	1276.60	0.00	0.00	0.00	
8100.00	20.21	306.98	7873.43	788.79	-1047.33	1311.14	0.00	0.00	0.00	
8200.00	20.21	306.98	7967.27	809.57	-1074.92	1345.68	0.00	0.00	0.00	
8300.00	20.21	306.98	8061.12	830.35	-1102.52	1380.22	0.00	0.00	0.00	
8400.00	20.21	306.98	8154.96	851.13	-1130.11	1414.77	0.00	0.00	0.00	
8500.00	20.21	306.98	8248.81	871.91	-1157.70	1449.31	0.00	0.00	0.00	
8600.00	20.21	306.98	8342.65	892.69	-1185.29	1483.85	0.00	0.00	0.00	
8700.00	20.21	306.98	8436.50	913.47	-1212.89	1518.39	0.00	0.00	0.00	
8800.00	20.21	306.98	8530.34	934.25	-1240.48	1552.94	0.00	0.00	0.00	
8900.00	20.21	306.98	8624.19	955.03	-1268.07	1587.48	0.00	0.00	0.00	
9000.00	20.21	306.98	8718.03	975.81	-1295.66	1622.02	0.00	0.00	0.00	
9100.00	20.21	306.98	8811.88	996.59	-1323.26	1656.56	0.00	0.00	0.00	
9200.00	20.21	306.98	8905.72	1017.37	-1350.85	1691.11	0.00	0.00	0.00	
9300.00	20.21	306.98	8999.57	1038.16	-1378.44	1725.65	0.00	0.00	0.00	
9400.00	20.21	306.98	9093.41	1058.94	-1406.03	1760.19	0.00	0.00	0.00	
9500.00	20.21	306.98	9187.26	1079.72	-1433.62	1794.73	0.00	0.00	0.00	
9600.00	20.21	306.98	9281.10	1100.50	-1461.22	1829.28	0.00	0.00	0.00	
9700.00	20.21	306.98	9374.94	1121.28	-1488.81	1863.82	0.00	0.00	0.00	
9800.00	20.21	306.98	9468.79	1142.06	-1516.40	1898.36	0.00	0.00	0.00	
9900.00	20.21	306.98	9562.63	1162.84	-1543.99	1932.90	0.00	0.00	0.00	
10000.00	20.21	306.98	9656.48	1183.62	-1571.59	1967.45	0.00	0.00	0.00	
10100.00	20.21	306.98	9750.32	1204.40	-1599.18	2001.99	0.00	0.00	0.00	
10163.59	20.21	306.98	9810.00	1217.62	-1616.72	2023.95	0.00	0.00	0.00	Wolfcamp
10200.00	20.21	306.98	9844.17	1225.18	-1626.77	2036.53	0.00	0.00	0.00	
10300.00	20.21	306.98	9938.01	1245.96	-1654.36	2071.07	0.00	0.00	0.00	
10400.00	20.21	306.98	10031.86	1266.74	-1681.96	2105.62	0.00	0.00	0.00	
10500.00	20.21	306.98	10125.70	1287.53	-1709.55	2140.16	0.00	0.00	0.00	
10600.00	20.21	306.98	10219.55	1308.31	-1737.14	2174.70	0.00	0.00	0.00	
10700.00	20.21	306.98	10313.39	1329.09	-1764.73	2209.24	0.00	0.00	0.00	
10800.00	20.21	306.98	10407.24	1349.87	-1792.32	2243.78	0.00	0.00	0.00	
10900.00	20.21	306.98	10501.08	1370.65	-1819.92	2278.33	0.00	0.00	0.00	
11000.00	20.21	306.98	10594.93	1391.43	-1847.51	2312.87	0.00	0.00	0.00	
11100.00	20.21	306.98	10688.77	1412.21	-1875.10	2347.41	0.00	0.00	0.00	
11200.00	20.21	306.98	10782.61	1432.99	-1902.69	2381.95	0.00	0.00	0.00	
11300.00	20.21	306.98	10876.46	1453.77	-1930.29	2416.50	0.00	0.00	0.00	
11400.00	20.21	306.98	10970.30	1474.55	-1957.88	2451.04	0.00	0.00	0.00	
11431.64	20.21	306.98	11000.00	1481.13	-1966.61	2461.97	0.00	0.00	0.00	Strawn Reef Porosity
11500.00	20.21	306.98	11064.15	1495.33	-1985.47	2485.58	0.00	0.00	0.00	
11600.00	20.21	306.98	11157.99	1516.11	-2013.06	2520.12	0.00	0.00	0.00	
11700.00	20.21	306.98	11251.84	1536.90	-2040.66	2554.67	0.00	0.00	0.00	
11800.00	20.21	306.98	11345.68	1557.68	-2068.25	2589.21	0.00	0.00	0.00	

PathFinder

Planning Report

Company: Edge Petroleum Operating Compa
 Field: Golden Lane State '29' #1
 Site: Section 28, T20-S, R30E
 Well: Golden Lane State '29' #1
 Wellpath: Original Hole

Date: 2/14/2005 Time: 14:58:40 Page: 4
 Co-ordinate(NE) Reference: Site: Section 28, T20-S, R30E, True Nort
 Vertical (TVD) Reference: SITE 0.0
 Section (VS) Reference: Well (0.00N,0.00E,306.98Azi)
 Plan: Plan #3 021405

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
11836.57	20.21	306.98	11380.00	1565.28	-2078.34	2601.84	0.00	0.00	0.00	Atoka
11900.00	20.21	306.98	11439.53	1578.46	-2095.84	2623.75	0.00	0.00	0.00	Morrow Lm
11996.41	20.21	306.98	11530.00	1598.49	-2122.44	2657.05	0.00	0.00	0.00	
12000.00	20.21	306.98	11533.37	1599.24	-2123.43	2658.29	0.00	0.00	0.00	
12100.00	20.21	306.98	11627.22	1620.02	-2151.02	2692.84	0.00	0.00	0.00	
12200.00	20.21	306.98	11721.06	1640.80	-2178.62	2727.38	0.00	0.00	0.00	
12300.00	20.21	306.98	11814.91	1661.58	-2206.21	2761.92	0.00	0.00	0.00	Middle Morrow Sd
12400.00	20.21	306.98	11908.75	1682.36	-2233.80	2796.46	0.00	0.00	0.00	
12500.00	20.21	306.98	12002.60	1703.14	-2261.39	2831.01	0.00	0.00	0.00	
12518.55	20.21	306.98	12020.00	1707.00	-2266.51	2837.41	0.00	0.00	0.00	
12600.00	20.21	306.98	12096.44	1723.92	-2288.99	2865.55	0.00	0.00	0.00	
12700.00	20.21	306.98	12190.28	1744.70	-2316.58	2900.09	0.00	0.00	0.00	Middle Morrow Pay
12742.32	20.21	306.98	12230.00	1753.50	-2328.26	2914.71	0.00	0.00	0.00	
12800.00	20.21	306.98	12284.13	1765.48	-2344.17	2934.63	0.00	0.00	0.00	
12900.00	20.21	306.98	12377.97	1786.27	-2371.76	2969.18	0.00	0.00	0.00	PBHL Golden Lane State 29
12966.09	20.21	306.98	12440.00	1800.00	-2390.00	2992.01	0.00	0.00	0.00	

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	← Latitude → Deg Min Sec	← Longitude → Deg Min Sec
PBHL Golden Lane State 29-1 -Plan hit target			12440.00	1800.00	-2390.00	565586.27	603554.20	32 33 16.039 N	103 59 50.080 W

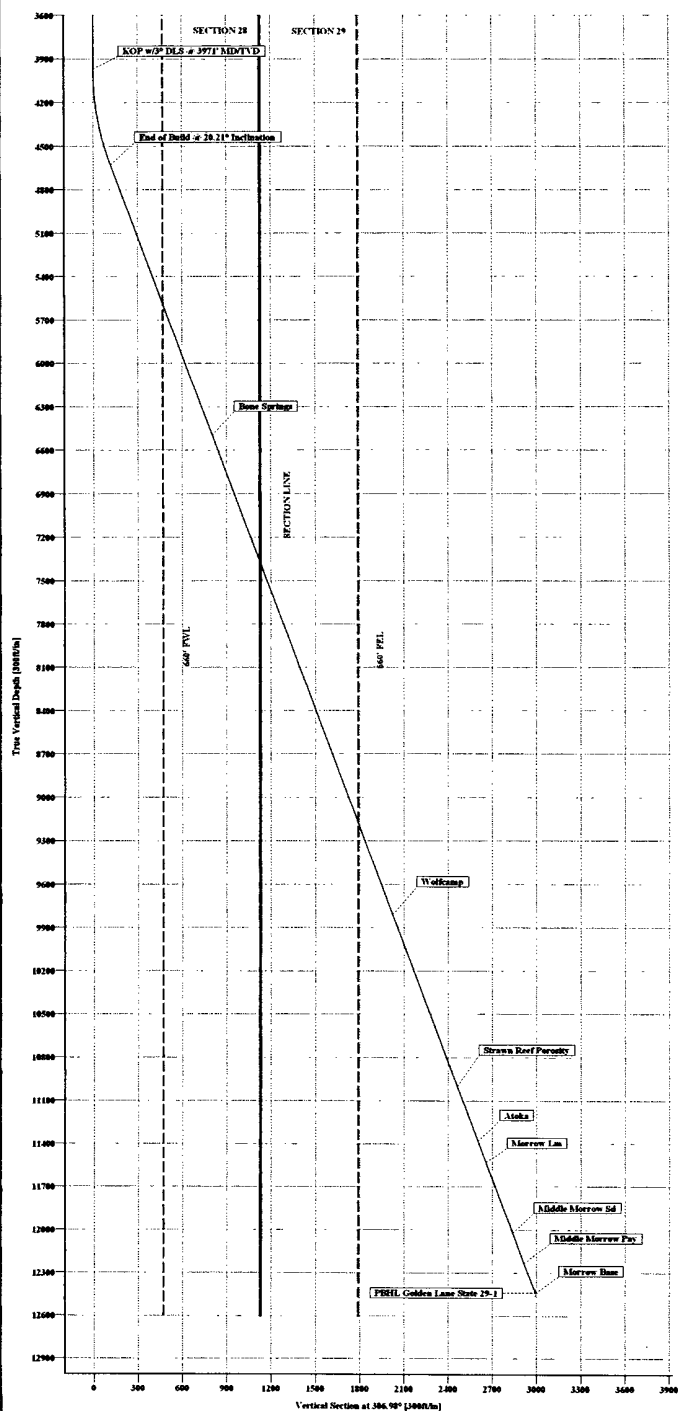
Annotation

MD ft	TVD ft	
3971.00	3971.00	KOP w/3° DLS @ 3971' MD/TVD
4644.59	4630.71	End of Build @ 20.21° Inclination
6636.49	6500.00	Bone Springs
10163.59	9810.00	Wolfcamp
11431.64	11000.00	Strawn Reef Porosity
11836.57	11380.00	Atoka
11996.41	11530.00	Morrow Lm
12518.55	12020.00	Middle Morrow Sd
12742.32	12230.00	Middle Morrow Pay
12966.09	12440.00	Morrow Base

Golden Lane State 29-1 Section 29, T20-S, R30-E Eddy County, New Mexico Plan 3 021405

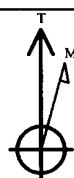
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	306.98	0.00	0.00	0.00	0.00	0.00	0.00	
2	3971.00	0.00	306.98	3971.00	0.00	0.00	0.00	306.98	0.00	
3	4644.59	20.21	306.98	4630.71	70.72	-93.90	3.00	306.98	117.56	
4	12966.09	20.21	306.98	12440.00	1800.00	-2390.00	0.00	0.00	2992.01	PBHL Golden Lane State 29-1



WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Golden Lane State 29 #1	0.00	0.00	563794.00	605950.00	32°32'58.227N	103°59'22.156W	N/A



Azimuths to True North
Magnetic North: 8.54°

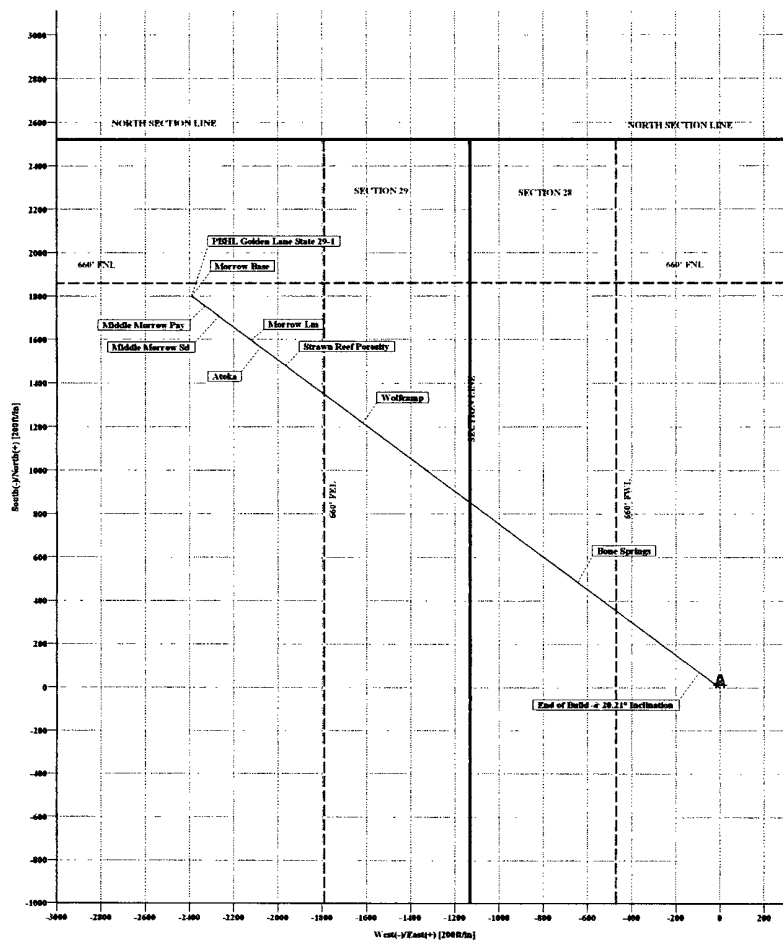
Magnetic Field
Strength: 49437nT
Dip Angle: 60.57°
Date: 2/14/2005
Model: igrf2005

SITE DETAILS

Section 28, T20-S, R30E
Eddy County, New Mexico

Site Centre Northing: 563794.00
Easting: 605950.00

Ground Level: 3415.00
Positional Uncertainty: 0.00
Convergence: 0.19





R. K. FORD & ASSOCIATES

Engineering, Drilling & Completion

415 West Wall
Suite 1700 • Wilco Building
Midland, Texas 79701

(432) 682-0440
Fax (432) 682-0441
e-mail: randell@rkford.com

February 24, 2005

Mr. Tom McGuire
Intrepid Mining NM LLC
210 Red Cloud
Carlsbad, NM 88220

VIA FAX: 505-887-0929

Subject: Edge Petroleum Operating Company
Golden Lane State 29 #1
Eddy County, New Mexico

Dear Mr. McGuire:

Edge Petroleum is in the process of applying for a permit to drill their Golden Lane 29 State #1 well in Eddy County, New Mexico and it has come to our attention that this well is subject to New Mexico Oil Conservation Commission Order No. R-111-P. Mr. Bryan Arrant with the Oil Conservation Division has requested that we obtain a waiver of objection from the owner of the potash lease affected by this well. Mr. Craig Cranston advised me that this would be your company.

The proposed surface location for this well and the proposed bottom hole location are as follows:

Surface: 2,520' FNL & 1,130' FWL, Section 28, T20S, R30E, UL E, Eddy County

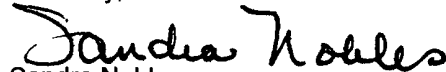
Bottom Hole: 710' FNL & 1,260' FEL, Section 29, T20S, R30E, UL A, Eddy County

I have enclosed a plat showing the above information as well as a copy of the C-101. If you have no objection to this proposed well, would you please sign a copy of this letter in the space provided and fax it to me at 432-682-0441.

Should you have any questions or need any additional information please call me.

Thank you for your prompt attention to this matter.

Sincerely,


Sandra Nobles

Intrepid Mining NM LLC has no objection to the above well.

Name: Tom McGuire

Title: _____

Date: _____