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Form 3160-3 API NO. <u>30-025-348</u> (August 1999)	Chif_			FORM APPRO OMB No. 1004 Expires November	-0136
UNITED STATE DEPARTMENT OF THE 1		• •	-	5. Lease Serial No.	
BUREAU OF LAND MANA			Ļ	NMLC/065194	The state of the s
APPLICATION FOR PERMIT TO D		ENTER		6. If Indian, Allottee or Th	ribe Name
1a. Type of Work: 🖾 DRILL 🔲 REENT	TER			7. If Unit or CA Agreemen	
			· · · ·	NMNM 104029 8. Lease Name and Well N	and the second se
1b. Type of Well: 🖸 Oil Well 🖾 Gas Well 🎑 Other	X Sir	iglë Zone 🏼 Multij	ole Zone	Bell Lake, 7909	
2. Name of Operator BTA 011 Producers	*	•		9. API Well No.	$\mathbf{D7}$ (and $\mathbf{c}$ )
3a. Address	3b. Phone No	. (include area code)		30-025-3482 10. Field and Pool, or Expla	
104 S. Pecos, Midland, TX 7970		582-3753		Bell Lake,	Morrow Mid
4. Location of Well (Report location clearly and in accordance wi				11. Sec., T., R., M., or Blk.	and Survey or Area
At surface 660' FSL & 1980' FEL	SW/SE	(U. 1tr 0		Sec. 18, T	235-R34E
At proposed prod. zone	· · · · · · · · · · · · · · · · · · ·			12. County or Parish	13. State
14. Distance in miles and direction from nearest town or post office* 26 miles west of Jal, NM				Lea	NM
15. Distance from proposed* location to nearest	16. No. of A	cres in lease	17. Spacing	Unit dedicated to this well	
property or lease line, ft. (Also to nearest drig. unit line, if any) 660	15	7.81	. · 3	15.62 (pooled)	
18. Distance from proposed location*	19. Propose	-,		IA Bond No. on file	
to nearest well, drilling, completed, none applied for, on this lease, ft.	13,	600'	1	556199	
21. Elevations (Show whether DF, KDB, RT, GL, etc.)		mate date work will sta	art*	23. Estimated duration	<u></u>
3501' GR; 3521' RKB		SAP	M	85 days	
	24. Atta			trolled Water Basi	<u>n</u>
The following, completed in accordance with the requirements of On	shore Oil and Gas	•		20.31	106
<ol> <li>Well plat certified by a registered surveyor.</li> <li>A Drilling Plan.</li> </ol>		<ol> <li>Bond to cover Item 20 above).</li> </ol>		is unless covered by an exis	sting bond on file (see
3. A Surface Use Plan (if the location is on National Forest Syst		5. Operator certifi 6. Such other site		ormation and/or plans as m	ay be required by the
SUPO shall be filed with the appropriate Forest Service Office).		authorized offic		<u> </u>	· 13 10
25. Signature		(Printed/Typed) am Inskeep		122 CO 55	09/02/03
Title Regulatory Administrator	•	······································	- <u></u>	- C2->.	
Approved by (Signature) /s/ Noe Gonzalez	i Nam	Printed Spell OC	Gonzald		ÖCT 0 7 2003
Title MANAGER	Offic			i	·····
Application approval does not warrant or certify the the applicant hol	i lds legal or equital			FIELD OFFIC	
operations thereon. Conditions of approval, if any, are attached.		-	-		EAR
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, mail States any false, fictitious or fraudulent statements or representations	ke it a crime for a	ny person knowingly a	and willfully	o make to any department of	or agency of the United
*(Instructions on reverse)				<u></u>	
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<b>APPROVAL SUBJECT TO</b>				5 F.	K
<b>GENERAL REQUIREMENTS AN</b>	D			D WATER BAS	
Special stipulations				BEHIND THE	
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DISTRIGT I P.O. Box 1960, Hobbe, NM 88241-1960

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DISTRICT II P.O. Drawer DD, Artesia, NM 58211-0719

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

DISTRICT IV P.O. Box 2088, Santa Fe, NM 87504-2088

#### State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

#### OIL CONSERVATION DIVISION P.O. Box 2088 Santa Fe, New Mexico 87504-2088

□ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

	Number	4821		Pool Code 1920-72	0.00	Be	ell Lake, Morrow	Pool Name		
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								SURVEYO	R CERTIFICAT	TION
								I hereby certify	that the well locat	lon shown
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L					Laure	l Andreas		-crishnikek	TESSAR S. EIDSO	D, 12185

#### **APPLICATION FOR DRILLING**

#### BTA OIL PRODUCERS Bell Lake, 7909 JV-P, NO. 2 660' FSL & 1980' FEL Sec. 18, T23S, R34E Lea County, New Mexico

In conjunction with Form 3160-3, Application for Permit to Drill, BTA Oil Producers submits the following 10 items for pertinent information in accordance with BLM requirements:

1. The geologic surface formation is Quaternary.

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2. The estimated top of geologic markers are as follows:

Delaware	5,055'
Bone Spring Lime	8,530'
Strawn Lime	11,830'
Atoka Bank Lime	12,230'
Morrow Clastics	12,730'
Upper Morrow	12,930'
Lower Morrow	13,340'

3. The estimated depth at which anticipated water, oil or gas formations are expected to be encountered:

Atoka Bank Lime 12,230' Upper Morrow 12,930'

All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and furnished to the BLM, Division of Minerals. All oil and gas shows will be adequately tested for commercial possibilities and reported and protected.

4. Proposed Casing and Cementing Program:

	Setting	Depth			
Casing Size	From	to	<u>Weight</u>	Grade	<u>Joint</u>
13-3/8 "	0	1,000'	54.5#	J55	STC
9-5/8"	0	4,000'	40#	K55	LTC
9-5/8"	4,000'	5,000'	40#	HCK55	LTC
7"	0	11,800'	29#	P110/S95	LTC
5" Liner	11,300'	TD	18#	P110	STL

Drilling Plan Bell Lake, 7909 JV-P, #2 Page 2

N 1999

Depending upon availability at the time that the casing is run, equivalent weights and grades may be substituted.

13-3/8" casing will be cemented with 500 sx light cement, tailed-in with 300 sx Class "C cement. Circulated to the surface.

9-5/8" casing will be cemented with 1,500 sx light cement tailed-in with 300 sx Class "C".

7" casing will be cemented with 1,000 sx light, tailed in w/ 400 sx Class "H" to cement back above 9-5/8" shoe.

5" liner will be cemented with 250 sx Class H with sufficient volume to circulate.

Note: All casing strings will be pressure tested to 0.22 psi/ft. of setting depth or 1500 psi (whichever is greater) after cementing and prior to drillout.

- 5. Pressure Control Equipment: See Attached Diagrams.
- 6. Mud Program:

<u>Surface to 1,000':</u> Fresh water spud with 35 to 45 sec/1000 cc viscosity. Will keep mud weight as low as possible using solids separation equipment and water. Will maintain fresh gel in system. Mud wt = 9.5/9.6

<u>700' to 5,000'</u>: Brine water, circulate to reserve pit. Will use lime for pH control in range 10 to 11. Will sweep hole with gel slugs as required for hole cleaning. Mud wt = 10 ppg

<u>5,000' to 11,800'</u>: 8.6 to 9.2 ppg controlled brine water. Will use lime for pH control in range 10 to 11. Will sweep hole with salt gel slugs as required for hole cleaning. Will use paper for seepage losses. Will adjust fluid weight as required using brine water.

<u>11,800 to TD:</u> Drill out below 7" casing with premix mud. Mud weight will be adjusted as required by hole conditions. Mud wt = 11.5/12.0 ppg.

Drilling Plan Bell Lake, 7909 JV-P, #2 Page 3

- 7. AUXILIARY EQUIPMENT:
  - a) Upper kelly cock valve with handle available.
  - b) Lower kelly cock valve with handle available.
  - c) Safety valves and subs to fit all drill string connections in use.
  - d) Inside BOP or float sub available.
  - e) Wear ring in casing head
  - f) No floats at bit
  - g) Monitoring of mud system will be electronic/ mechanical below 9,500'.
- 8. Testing Logging and Coring Program:

Drill Stem Tests will only made when samples, drilling time and other data indicate a test is warranted.

It is planned that electric logs will include Gamma Ray-CNL, FDC logs and dual laterologs.

<u>Note:</u> A gamma ray log will be run over the surface casing from its base to the ground surface.

No coring is planned.

- 9. No abnormal pressure is anticipated in the Atoka and Morrow. BHP=8000 psi (maximum)
- 10. Anticipated Starting Date:

It is planned to commence drilling operations on or before October 1, 2003 to last a period of 85 days.

Contact <u>L. G. JOHNSON</u> at <u>(432)-682-3753</u> with any questions concerning the Drilling Plan.

Partner



# BOP HOOK UP AFTER SETTING SURFACE

BTA OIL PRODUCERS Bell Lake, 7909 JV-P, No. 2 660' FSL & 1980' FEL Sec. 18, T23S, R34E Lea County, NM



CHOKE MANIFOLD EQUIPMENT -- CONFIGURATION MAY VARY

BTA OIL PRODUCERS Bell Lake, 7909 JV-P, No. 2 660' FSL & 1980' FEL Sec. 18, T23S, R34E Lea County, NM

# SURFACE USE PLAN SUMMARY

# <u>FOR</u>

# BTA OIL PRODUCERS Bell Lake, 7909 JV-P, No. 2 Sec. 18, T-23-S, R-34-E Lea County, N.M.

<u>LOCATED:</u>

26 Miles West of Jal, NM

FEDERAL LEASE NUMBER: NMNM 1065194

**SURFACE OWNERSHIP:** 

R. V. Keller, LLC 2811 Co. Rd. 460 Oakley, KS 67748 785/672-3257

Bell Lake, Morrow Mid

POOL:

DEDICATED ACRES:

EXHIBITS:

A. Topographic Vicinity Map

315.62- S/2 of Sec. 18 (Pooled)

B. Topographic Road Map

C. Pit and Pad Layout

D. Rig Layout Sketch

E. County Map

## **MULTI-POINT SURFACE USE & OPERATIONS PLAN**

### **BTA OIL PRODUCERS**

# #2, BELL LAKE, 7909 JV-P 660' FSL & 1980' FEL Sec. 18, T23S, R34E Lea County, NM

This plan is submitted with Form 3160-3, Application for Permit to Drill, covering the referenced well. The plan describes the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbance, and the procedures to be followed in rehabilitating the surface after completion of the operation so that complete appraisal can be made concerning the environmental effects associated with the operations.

1. Existing Roads

- A. Exhibit –A- is a topographic map showing the location of the proposed well as staked with existing roads and conditions within the one mile area. The proposed location is approximately 26 miles west from, Jal, New Mexico as shown on Exhibit –B-.
- B. From Jal, travel westerly on NM State highway 128 turn north on Lea County Road 21, also known as Delaware Basin Road and travel 6.2 miles. Turn east on new lease road for .1 mile to the wellsite, as shown on Exhibit -B-
- 2. Access Road
  - A. Our proposed access road will be 1046 feet from Lea County Rd 21 as shown on Exhibit –B- and east to the well pad as shown on Exhibit –C-.
  - B. Caliche will be used for the access road; watered, compacted and graded.
  - C. The access road will be crowned for drainage and maintained during drilling operations and, if productive, as long as producing.
- 3. Location of Existing Wells
  - A. All existing wells within a one mile radius of our proposed well are shown on Exhibit -- E-.

### MULTI-POINT SURFACE USE & OPERATIONS PLAN

#2, Bell Lake, 7909 JV-P Page 2

- 4. Location of Existing and/ or Proposed Facilities if Well is Productive.
  - A. If well is productive, we will use the existing well pad for the tank battery and all necessary production facilities.
  - B. New facilities will be applied for via Sundry notice with a schematic diagram prior to installation.
  - C. Should the well be successfully completed for production, the BLM will be notified within five days when the well is placed in producing status.
  - D. All facilities will be painted a flat, nonreflective, earthtone color to match the standard environmental colors within six months of installation.
- 5. Location and Type of Water Supply
  - A. Water for drilling and completion operations will either be purchased and trucked to the well site, or transported by plastic temporary "fas-line" laid on the surface alongside existing roads.
- 6. Source of Construction Materials
  - A. Caliche used for construction of the drilling pad and access road will be obtained from closest existing caliche pit as designated by the BLM.
  - B. If there is not sufficient material available, it will be purchased from the area designated by the BLM.
- 7. Methods of Handling Waste Disposal
  - A. Drill cuttings will be disposed of in the reserve pits located on the north side of the rig.
  - B. Drilling fluids will be allowed to evaporate in the reserve pits until the pits are dry enough for backfilling.
  - C. Water produced during operations will be collected in tanks until hauled to an approved disposal system or a separate disposal application will be submitted to the BLM for appropriate approval.
  - D. Oil produced during testing will be stored in test tanks until sold.

#### MULTI-POINT SURFACE USE AND OPERATION PLAN

#2, Bell Lake, 7909 JV-P Page 3

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- E. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- F. Trash, waste paper and garbage will be disposed of by hauling to an available disposal. All waste material will be contained in a totally enclosed trash basket with a fine wire mesh, to prevent wind scattering during collection. The road and pad will be kept litter free.
- 8. Ancillary Facilities
  - A. It is possible that a mobile home will be used at the well site during drilling operations.
- 9. Wellsite Layout
  - A. Exhibit –D- shows the rig layout and reserve pit.
  - B. No cut and fill will be required at the well site, however, it will require clearing and leveling.
  - C. The reserve pits will be fenced.
- 10. Plans for Restoration of Surface
  - A. Following drilling and/or completion operations, all equipment and material not needed for further operations will be removed. The location will be cleaned of all trash and junk to leave the well site as clean as possible.
  - B. Any unguarded pits containing fluids will be fenced until they are filled. Oil in the mud pit will necessitate either removal or installation of overhead flagging. The pit will be allowed to dry prior to the commencement of backfilling operations. Fill material will be pushed back into the cuts and up over the backslope, recontouring the area so that there are no large depressions that will trap water or form ponds. Topsoil will be evenly distributed over the entire location. The seedbed will be prepared by disking to a depth of four to six inches following the contour.
  - C. If the proposed well is non-productive, all rehabilitation and/or vegetation requirements of the BLM will be complied with and will be accomplished as expeditiously as possible.

### MULTI-POINT SURFACE USE AND OPERATION PLAN

#2, Bell Lake, 7909 JV-P Page 4

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- D. All disturbed areas will be seeded on the contour at a depth of one-half Inch using the following mixture:
  - 1 pound per acre Sand Dropseed
  - 1 pound per acre Sand Lovegrass
  - 2 pounds per acre Plains Bristlegrass
- E. Seeding will be completed after September 15 and prior to November 15<sup>th</sup> before freeze up or as early as possible the following spring to take advantage of available ground moisture.
- F. Newly constructed access road will be recontoured, disked, and seeded as specified above. All rehabilitation work, including seeding, will be completed as specified by the BLM, or sooner if conditions permit.
- 11. Surface Topography
  - A. The surface ownership is Keller, R. V., LLC, 2811 So. Co. Rd 460, Oakley, KS 67748, Phone 785/672-3257.
  - B. The wellsite and access route are located to the South of San Simon Swale as shown on Exhibit –A-, Topographic map of the area. The area is fairly flat with sandy loam soil underlain with caliche.
  - C. There are no houses or buildings within one mile of the drillsite.
  - D. Signs identifying and locating our well will be maintained at the drillsite and principle entrance, commencing with the spudding of the well.
  - E. An Archaeological Survey was prepared by Desert West Archaeology and provided directly to the Carlsbad office.
- 12. Operator's Representative:
  - A. The field representative that is responsible for assuring compliance with the approved surface use plan is: Drilling Manager:
     Mr. L. G. Johnson Phone: 432/682-3753 (Office) 432/682-5149 (Home) 432/553-2756 (Mobile)

#### MULTI-POINT SURFACE USE AND OPERATION PLAN

#2, Bell Lake, 7909 JV-P Page 5

#### 13. Certification:

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I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by BTA Oil Producers and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Dated this 3<sup>rd</sup> day of September, 2003.

Barry Partner

# VICINITY MAP



SCALE: 1'' = 2 MILES

SEC. <u>18</u> TWP. <u>23-S</u> RGE. <u>34-E</u> SURVEY <u>N.M.P.M.</u> COUNTY <u>LEA</u> DESCRIPTION <u>660' FSL & 1980' FEL</u> ELEVATION <u>3501</u> OPERATOR <u>BTA OIL PRODUCERS</u> LEASE <u>7909 JV-P BELL LAKE</u>

EXHIBIT -A-

JOHN WEST SURVEYING HOBBS, NEW MEXICO (505) 393-3117 LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

SEC. <u>18</u> TWP. <u>23–S</u> RGE. <u>34–E</u> SURVEY <u>N.M.P.M.</u> COUNTY <u>LEA</u> DESCRIPTION <u>660' FSL & 1980' FEL</u> ELEVATION <u>3501</u> OPERATOR <u>BTA OIL PRODUCERS</u> LEASE <u>7909 JV–P BELL LAKE</u> U.S.G.S. TOPOGRAPHIC MAP TIP TOP WELLS, N.M. CONTOUR INTERVAL - 10'

EXHIBIT -B-

JOHN WEST SURVEYING HOBBS, NEW MEXICO (505) 393-3117 DISTRICT I

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P.O. Box 1980, Robbs, NM 88241-1980

DISTRICT II P.O. Drawer BD, Artesia, NM 86211-0719

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

DISTRICT IV P.O. Box 2088, Santa Fe, NM 87504-2088

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Pool Code

#### State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

#### OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, New Mexico 87504-2088

AMENDED REPORT

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

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E X H I B I T - E -BTA OIL PRODUCERS Bell Lake, 7909 JV-P, No. 2 660' FSL & 1980' FEL Sec. 18, T23S, R34E Lea County, NM



MIDLAND PARTNERS CARLTON BEAL, JR. BARRY BEAL SPENCER BEAL KELLY BEAL BARRY BEAL, JR. STUART BEAL ROBERT DAVENPORT, JR. BTA OIL PRODUCERS 104 SOUTH PECOS MIDLAND, TEXAS 79701 915-662-3753 FAX 915-663-0311

December 10, 1999

ROCKY MOUNTAIN DIVISION 600 I7TH STREET SUITE 2230 SOUTH TOWER DENVER, CO 80202 303-534-4404 FAX 303-534-4661

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CEIV

Re: Application for Permit to Drill Bell Lake, 7909 JV-P, No. 2 Lease No. LC-065194 Sec. 18, T23S, R34E Lea County, NM

BUREAU OF LAND MANAGEMENT ROSWELL FIELD OFFICE 2909 West Second Street Roswell, NM 88202

Gentlemen:

The private surface owner for this well is: Keller, R. V. LLC

We notified the surface owner before staking the well, made an agreement concerning the surface damages and will provide notification before any disturbance takes place.

Should further information be required, please advise.

Sincerely,

DOROTHY HOUGHTON

For BTA Oil Producers

xc: Barry Hunt - Carlsbad



PARTNERS CARLITON BEAL, JR. BARRY BEAL SPENCER BEAL KELLY BEAL BARRY BEAL, JR. STUART BEAL ROBERT DAVENPORT, JR.

#### **BTA OIL PRODUCERS**

104 SOUTH PECOS MIDLAND, TEXAS 79701 915-682-3753 FAX 915-683-0311

September 2, 2003

 GULF COAST DISTRICT

 TWO GREENSPOINT PLAZA

 16825 NORTHCHASE DRIVE, STE. 680

 HOUSTON, TEXAS 77060

 PH. 281-872-5022

 FAX 281-872-5054

ROCKY MOUNTAIN DISTRICT 600 17TH STREET, STE. 2230 SOUTH DENVER, CO 80202 PH. 303-534-4404 FAX 303-534-4661

Re: Bell Lake, 7909 JV-P, No. 2 Lease No. NMLC-065194 Sec. 18, T23S, R34E Lea County, New Mexico

R. V. Keller, LLC 2811 Co. Rd. 460 Oakley, KS 67748

Attn: Mr. Jim Keller

Mr. Keller,

The above referenced well was originally permitted to drill January 3, 2000. Attached is a copy of the permit. BTA, then, temporarily put the drilling on hold. We are now ready to proceed with this project.

Upon word from the Bureau of Land Management that we may proceed, BTA will begin operations.

If you have any questions, please do not hesitate to contact us.

Respectfully,

skeep

PAM INSKEEP For BTA Oil Producers

cc: L. G. Johnson

C:\Bell Lake #2 - Keller.doc



#### United States Department of the Interior BUREAU OF LAND MANAGEMENT

Roswell Field Office 2909 West Second Street Roswell, New Mexico 88201

IN REPLY REFER TO: NMLC-065194

JAN 31 2000

BTA Oil Producers Attention: Dorothy Houghton 104 South Pecos Midland, Texas 79701

Dear Dorothy:

Pursuant to your telephone conversation with our petroleum geologist, John S. Simitz on Friday January 28, 2000, we regret to inform your company that the surface casing requirement for the Bell Lake JV-P No. 2 well has been amended. The subject well is located on lease NMLC-065194 in the SW¼SE¼, sec. 18, T. 23 S., R. 34 E., NMPM, and is amended to a setting depth of 1000 ft. Our geologist has been requiring surface casing be seated in the top 25' of the Rustler Formation for most of Lea County and this depth should be sufficient to accomplish that goal. This requirement is due to the numerous citations of the fresh water occurrence in the Santa Rosa Formation and does not mark a change but a return to a requirement of some years back for setting the surface casing in the Rustler Fm.

Our geologist regrets his oversight on this particular well and offers his apologies for any inconvenience this may have cause your company. If you have any questions regarding this subject he can be reached at (505) 627-0288.

Sincerely,

LA lope

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Larry D. Bray Assistant Field Office Manager, Lands and Minerals United States Department of the Interior

BUREAU OF LAND MANAGEMENT Roswell Resource Area P.O. Drawer 1857 Roswell, New Mexico 88202-1857

Statement Accepting Responsibility for Operations

Operator name:BTA 0il ProducersStreet or box:104 S. PecosCity, State :Midland, TXZip code, :79701

The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted on the leased land or portion thereof, as described below:

Lease No.:

LCNM1065194

Legal Description of land:

660' FSL & 1980' FEL SWSE (U 1tr O) Sec. 18, T23S, R34E Lea County, NM

Formation(s) (if applicable):

Morrow Mid

Bond Coverage: (State if individually bonded or another's bond) Statewide Bond 1556199

BLM Bond File No.: NM1195

Authorized Signature: /

Pam Inskeep

Title: Regulatory Administrator

Date: 09/08/03