OCD-ARTESIA

Month - Year MAY 3 2007 HIGH CAVEKA 5. Lease Serial No.
ST NMNM 02860

If Indian, Allotee Form 3160-3 FORM APPROVED CD - ARTESIA, NM OMB No. 1004-0137 Expires March 31, 2007 (April 404) UNITED STATES SEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT If Indian, Allotee or Tribe Name APPLICATION FOR PERMIT TO DRILL OR REENTER 7 If Unit or CA Agreement, Name and No. **✓** DRILL la. Type of work: REENTER NMNM 71016 8. Lease Name and Well No. ✓ Oil Well Gas Well Multiple Zone lb. Type of Well: Single Zone Poker Lake Unit #289 9. API Well No. Name of Operator BEPCO, L. P. 015 3a. Address P. O. Box 2760 Phone No. (include area code) 10. Field and Pool, or Exploratory Midland, TX 79702 432-683-2277 Nash Draw (Dela, BS, Avalon Sd) Location of Well (Report location clearly and in accordance with any State requirements.*) 11. Sec., T. R. M. or Blk. and Survey or Area SESW, UL N, 800' FSL, 2280' FWL, Lat N32.212472, Lon W103.922139 At surface Sec 18, T24S, R30E, MER NMP **CARLSBAD CONTROLLED WATER BASIN** At proposed prod. zone Same 12. County or Parish 14. Distance in miles and direction from nearest town or post office* 14 Miles East of Malaga, NM **Eddy County** NM 15 Distance from proposed* 17. Spacing Unit dedicated to this well 16. No. of acres in lease 800 location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 2520.68 20. BLM/BIA Bond No. on file 18. Distance from proposed location* to nearest well, drilling, completed, 19. Proposed Depth 7550' MD 1030 NM 2204 applied for, on this lease, ft. Elevations (Show whether DF, KDB, RT, GL, etc.) 22 Approximate date work will start* 23. Estimated duration 3145' GL 14 days 04/15/2007 24. Attachments The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form: 1. Well plat certified by a registered surveyor. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). 2. A Drilling Plan. Operator certification 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office) Such other site specific information and/or plans as may be required by the authorized officer. 25. Signature Name (Printed/Typed) **Annette Childers** Title Administrative Assistant Approved by (Signature) Name (Printed/Typed) APR 2 5 2007 **1** ' : ' Title Office NM STATE OFFICE

Application approval 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.

APPROVAL FOR 1 YEAR

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on page 2)

SEE ATTACHED FOR CONDITIONS OF APPROVAL

If earthen pits are used in association with the drilling of this well, an OCD pit permit must be obtained prior to pit construction.

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED DISTRICT I 1625 N. French Dr., Hobbe, NM 86240 DISTRICT II

DISTRICT III

1301 W. Grand Avenue, Artesia, NM 88210

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised October 12, 2006

OIL CONSERVATION DIVISION

Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

1000 Rio Brazos Rd., Aztec, NM 87410 DISTRICT IV 1220 St. Francis Dr., Santa Fe, NM 87505 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

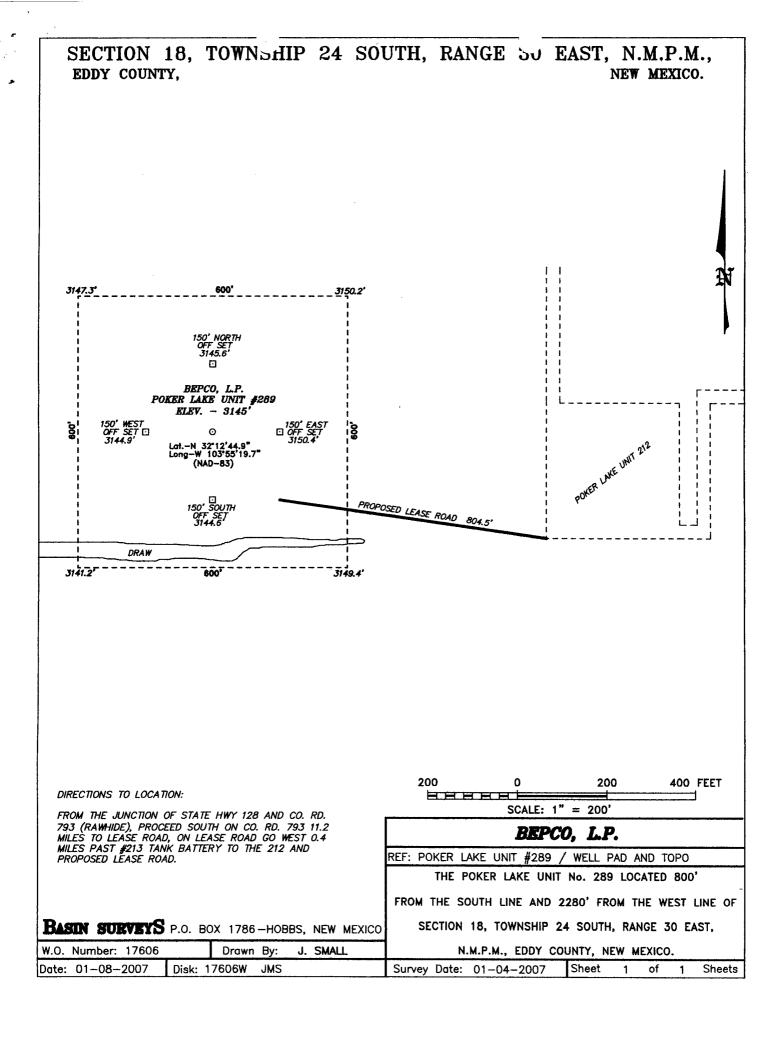
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number		1	Pool Code		Pool Name			ì		
			4754	15	Nash	Draw (Dela	a/Bone Spr	ing/Avalo	n Sd)	
Property (ode			Property Name				Well Number		
02860			POKER LAKE UNIT					289		
OGRID No).	<u> </u>	Operator Name					Klevation		
001801			BEPCO, L.P.					3145'		
					Surface Loc	ation				
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the 2280	East/West line	County	
N	18	24 S	30 E		800	SOUTH		WEST	EDDY	
			Bottom	Hole Lo	cation If Diff	erent From Sur	face			
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
Dedicated Acres Joint or Infill Consolidation Code Order No.										
40	N									

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

				
LOT 1 39.91 ACRES		1		OPERATOR CERTIFICATION
		400.00	A CONTROL	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 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.
LOT 2 39.96 ACRES		160.00	ACRES	Stay & Schad 2/2000 Date
				Gary E. Gerhard Printed Name SURVEYOR CERTIFICATION
LOT 3 40.08 ACRES				I hereby certify that the well location shown on this plat was platted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief.
LOT 4 40.07 ACRES		LAT - N32*12'44.9" LONG - W103*55'19.7" (NAD-83)		JANIMAN 2007 Date Superative Signature Professional Surveyor \$606
	3147.279 26149	4'		Certificate No. Gary L. Jones 7977 Basin surveyS



EIGHT POINT DRILLING PROGRAM BEPCO, L.P.

NAME OF WELL: Poker Lake Unit #289

LEGAL DESCRIPTION - SURFACE: 800' FSL & 2280' FWL, Section 18, T-24-S, R-30-E, Eddy County, New Mexico.

POINT 1: ESTIMATED FORMATION TOPS

(See No. 2 Below)

POINT 2: WATER, OIL, GAS AND/OR MINERAL BEARING FORMATIONS

Anticipated Formation Tops: KB 3162' (est)

GL 3145'

<u>FORMATION</u>	ESTIMATED TOP FROM KB	ESTIMATED SUBSEA TOP	BEARING
T/Rustler	312'	+2850'	
B/Rustler	612'	+2550'	Barren
T/Salt	642'	+2520'	Barren
B/Salt	3187'	-25'	Barren
T/Lamar	3400'	-238'	Oil/Gas
T/Bone Spring	7202'	-4040'	Oil/Gas
T/Avalon	7267'	-4105'	Oil/Gas
TD	7550'	-4388'	

POINT 3: CASING PROGRAM

		noie		
TYPE	INTERVALS	<u>Size</u>	<u>PURPOSE</u>	CONDITION
16"	0'- 40'	20"	Conductor	Contractor Discretion
8-5/8", 32#, J-55, LT&C	0'- 632'	12-1/4"	Surface	New
5-1/2", 15.5#, J-55, LT&C	0' -6300'	7-7/8"	Production	New
5-1/2", 17#, J-55, LT&C	6300' -7550'	7-7/8"	Production	New

11-1-

POINT 4: PRESSURE CONTROL EQUIPMENT (SEE ATTACHED DIAGRAM)

A BOPE equivalent to requirements of Onshore Oil & Gas Order No. 2-3000 psi system (Diagram 1) will be nippled up on the surface casing head. The BOP stack, choke, kill lines, kelly cocks, inside BOP, etc. when installed on the surface casing head will be hydro-tested to 70% of internal yield pressure of casing or 1000 psig whichever is less with the rig pump.

- a) Upon installation
- b) After any component changes
- c) Fifteen days after a previous test
- d) As required by well conditions

A function test to insure that the preventers are operating correctly will be performed on each trip.

Surface casing to be set into the Rustler below all fresh water sands.

Production casing will be cemented using DS Litecrete w/TOC 500' above uppermost pay.

Drilling procedure, BOP diagram, anticipated tops and surface plans attached.

This well is located-outside the Secretary's Potash area and outside the R-111 Potash area. There are no potash leases within 1 mile of the location.

POINT 5: MUD PROGRAM

DEPTH	MUD TYPE	WEIGHT	_FV	PV	YP_	FL	<u>Ph</u>
0' - 642'	FW Spud Mud	8.5 - 9.2	38-70	NC	NC	NC	10.0
642' - 5600'	Brine Water	9.8 -10.2	28-30	NC	NC	NC	9.5 - 10.5
5600' - TD	BW/Diesel	8.8 - 9.0	40	8	2	<100 cc	9.5 - 10.5

NOTE: May increase vis for logging purposes only.

POINT 6: TECHNICAL STAGES OF OPERATION

A) TESTING

None anticipated.

B) LOGGING

GR-CNL-LDT-AIT from TD to base of Salt (+/- 3187'). GR-CNL-CAL from base of Salt to surface.

C) CONVENTIONAL CORING

None anticipated.

D) CEMENT

INTERVAL SURFACE:	AMOUNT SXS	FT OF FILL	TYPE	GALS/SX	PPG	FT ³ /SX	<u>W/L</u>
Lead 0 – 332' (100% excess circ to surface)	150	332	35:65 Poz Class "C" + 6% D20 + 3% S1 + 5 pps D24 + 0.125 pps D130	10.27	12.6	1.98	NC
Tail 332' – 632' (100% excess)	180	300	Class "C" + 2% S1	6.33	14.8	1.34	NC
PRODUCTION: Lead 2900' – 6000' (50% excess)	350	3100	Litecrete 39/61 (D961/ D124) + 2% bwob D153 + 0.05gps D604AM + 0.03 gps DM45 + 2ppg D24 + 0.04gpsD801	9.825	10.2	2.37	<400
Tail 6000' – 7550' (50% excess)	190	1550	Litecrete 39/61 (D961/ D124)+ 2% bwob D153 + 0.05gps D604AM + 0.03 gps DM45 + 2ppg D24 + 0.04gpsD801	7.335	10.5	2.04	<400

E) DIRECTIONAL DRILLING

No directional services anticipated.



POINT 7: ANTICIPATED RESERVOIR CONDITIONS

Normal pressures are anticipated throughout Delaware section. A BHP of 3285 psi (max) or MWE of 8.7 ppg is expected. Lost circulation may exist in the Delaware Section from 3400-7202'. No H_sS is anticipated.

POINT 8: OTHER PERTINENT INFORMATION

A) Auxiliary Equipment

Upper and lower kelly cocks. Full opening stab in valve on the rig floor.

B) Anticipated Starting Date

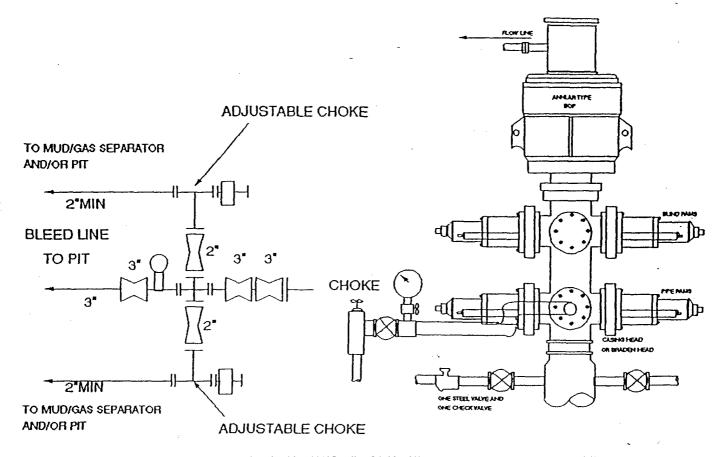
Upon approval

12 days drilling operations

14 days completion operations

GEG/cnt February 23, 2007

3000 PSI WP



THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

- A. One double gate blowout preventer with lower rams for pipe and upper rams blind, all hydraulically controlled.
- B. Opening on preventers between rams to be flanged, studded or clamped and at least two inches in diameter.
- C. All connections from operating manifold to preventers to be all steel hose or tube a minimum of one inch in diameter.
- D. The available closing pressure shall be at least 15% in excess of that required with sufficient volume to operate (close, open, and re-close) the preventers.
- E. All connections to and from preventers to have a pressure rating equivalent to that of the BOP's.
- F. Manual controls to be installed before drilling cement plug.
- G. Valve to control flow through drill pipe to be located on rig floor.
- H. All chokes will be adjustable. Choke spool may be used between rams.

MULTI-POINT SURFACE USE PLAN

NAME OF WELL: Poker Lake Unit #289

LEGAL DESCRIPTION - SURFACE: 800 FSL & 2280' FWL, Section 18, T-24-S, R-30-E, Eddy County, New Mexico.

POINT 1: EXISTING ROADS

A) Proposed Well Site Location:

See Exhibit A and Survey Plats

B) Existing Roads:

From the junction of State Hwy 128 and County Road 793 (Rawhide), proceed south on County Road 793 for 11.2 miles to lease road. On lease road go west 0.4 miles past PLU #213 tank battery to the PLU #212 and proceed to lease road.

C) Existing Road Maintenance or Improvement Plan:

See Exhibit B and Survey Plats.

POINT 2: NEW PLANNED ACCESS ROUTE

A) Route Location:

804.5' of new road is required.

B) Width

15'

C) Maximum Grade

Grade to match existing topography or as per BLM requirements.

D) Turnout Ditches

Spaced per BLM requirements.

E) Culverts, Cattle Guards, and Surfacing Equipment

If required, culverts and cattle guards will be set per BLM Specs.

POINT 3: LOCATION OF EXISTING WELLS

Exhibit A indicates existing wells within the surrounding area.

CONDITIONS OF APPROVAL - DRILLING

Operator's Name:

BEPCO,LP

Well Name & No.

Poker Lake Unit # 289

Location:

880'FSL, 2280'FWL, SEC18, T24S, R30E, Eddy County, NM

Lease:

NM-02860

I. DRILLING OPERATIONS REQUIREMENTS:

A. The Bureau of Land Management (BLM) is to be notified a minimum of 4 hours in advance, at the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (505) 361-2822 - for wells in Eddy County; and the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (505) 393-3612 for wells in Lea County, in sufficient time for a representative to witness:

- 1. Spudding
- 2. Cementing casing: 16 inch 8.625 inch 5.5 inch
- 3. BOP tests
- B. A Hydrogen Sulfide (H2S) Drilling Plan is N/A. A copy of the plan shall be posted at the drilling site.
- C. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
- D. Gamma-Ray/Neutron logs shall be run from the base of the Salado Formation to the surface; cable speed not to exceed 30 feet per minute.
- E. If floor controls are required, (3M or Greater) controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.

II. CASING:

- A. The <u>8.625</u> inch surface casing shall be set at <u>above the salt, should it occur more shallow, at least 25 feet into the Rustler Anhydrite @ approximately 632 feet and cement circulated to the surface.</u>
 - 1. If cement does not circulate to the surface the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with a surface log readout will be used or a cement bond log shall be run to verify the top of the cement.
 - 2. Wait on Cement (WOC) time for a primary cement job will be a minimum of 12 hours for a non-water basin, 18 hours for a water basin, 24 hours in the potash area, or 500 pounds compression strength, which ever is greater. (This is to include the lead cement)
 - 3. WOC time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds of compression strength, which ever is greater.
 - 4. If cement falls back, Remedial cementing shall be completed prior to drilling out that string.
- B. The minimum required fill of cement behind the <u>5.5</u> inch production casing is <u>cement shall extend</u> <u>upward a minimum of 200 feet above the SHOE of the SURFACE casing string. If circulation is lost while drilling the surface casing well bore, cement on the 5.5" casing will be brought to the <u>surface</u>.</u>
- D. If hard band drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

III. PRESSURE CONTROL:

- A. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2.
- B. Minimum working pressure of the blowout preventer and related equipment (BOPE) required for drilling below the **8.625**_inch casing shall be **2000** psi.
- C. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
- 1. The tests shall be done by an independent service company.
- 2. The results of the test shall be reported to the appropriate BLM office.
- 3. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of the independent service company test will be submitted to the appropriate BLM office.
- 4. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi in accordance with API RP 53. The test will be held for a minimum of 10 minutes if the test is done with a test plug and 30 minutes without a test plug.
- 5. A variance to test the **BOP** and **BOPE** to the reduced pressure of **1000** psi with the rig pumps is approved.

IV. Hazards:

- 1. Our geologist has indicated that there is high potential for High Cave / Karst potential.
- 2. Our geologist has indicated that there is potential for lost circulation in the Delaware and Bone Spring.

Engineering may be contacted at 505-706-2779 for variances if necessary.

FWright 3/7/07

Conditions of Approval Cave and Karst

EA#: NM-520-07-583 Lease #: NMNM-02860 **BEPCO, L.P.** Poker Lake Unit # 289

Cave/Karst Surface Mitigation

The following stipulations will be applied to minimize impacts during construction, drilling and production.

Berming:

Any tank batteries will be constructed and bermed large enough to contain any spills that may occur.

Bermed areas will be lined with rip-stop padding to prevent tears or punctures in liners and lined with a permanent 20 mil plastic liner.

Cave/Karst Subsurface Mitigation

The following stipulations will be applied to protect cave/karst and ground water concerns:

Rotary Drilling with Fresh Water:

Rotary drilling techniques in cave or karst areas will include the use of fresh water as a circulating medium in zones where caves or karst features are expected. Use depth to the deepest expected fresh water as listed in the geologist report.

Casing

All casing will meet or exceed National Association of Corrosion Engineers specifications pertaining to the geology of the location and be run to American Petroleum Institute and BLM standards.

Lost Circulation:

ALL lost circulation zones from the surface to the base of the cave occurrence zone will be logged and reported.

Regardless of the type of drilling machinery used, if a bit drops of four feet or more and circulation losses greater then 75 percent occur simultaneously while drilling in any cavebearing zone, drilling operations will immediately stop and the BLM will be notified by the operator. The BLM will assess the consequences of the situation and work with operator on corrective actions to resolve the problem.

Abandonment Cementing:

Upon well abandonment the well bore will be cemented completely from 100 feet below the bottom of the cave bearing zone to the surface.

Pressure Tests:

Annual pressure tests will be performed by the Operator on all casing annuli. If the test results indicated a casing failure, remedial actions approved by the BLM will be undertaken to correct the problem.

Differential Shut-off Systems:

A leak detection system and differential shut off systems will be installed for pipelines and tanks used in production or drilling.

Record Keeping:

The Operator will track customary drilling activities, including the rate of penetration, pump pressure, weight on bit, bit drops, percent of mud returns, and presence of absence of cuttings returning to the surface. As part of customary record keeping, each detectable void or sudden increase in the rate of penetration not attributable to a change in the formation type should be documented and evaluated as it is encountered.