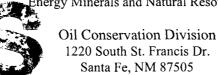
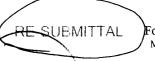
District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico

Energy Minerals and Natural Resources





Form C-101

May 27, 2004

Month - YSabmit to appropriate District Office 23 2017
OCD - ARTESIA, NM 

AMENDED REPORT

APPI	<u>LICATIO</u>	N FOR	PERMIT Operator Name	TO D	RILL, RE-1	ENTER, D	EEPE	N, PLUGBAG	OGRID Nu	ADD A ZONE	
PEDC.	0 I D I		•						3 A PI Numl	001801	
BEPCO, L.P. P. O. Box 2760 Midland, Texas 79702  Property Code Property							30-015	<sup>3</sup> API Numl	35 Well No.		
001796 Poker Lake Unit								245			
Nash 1	) rain;	ຶ Pr າ (Delawa	roposed Pool 1 are) / B	- Sp	ring CA.	ralen San	<b>(</b> )	10 Prope	osed Pool 2		
						Location					
UL or lot no.		Township 24S	Range 30E	Lot I	dn Feet fro	om the North/	South line	Feet from the 660	East/West lin	e County Eddy	
			<sup>8</sup> Propo	sed Botto	om Hole Locat	tion If Differe	nt From	Surface			
UL or lot no.	Section T	Township	Range	Lot I	1		South line	Feet from the	East/West lin	e County	
	<u></u>			Ad	lditional We		ion				
N	Type Code	0	12 Well Type Cod		R	e/Rotary	,	<sup>4</sup> Lease Type Code S		Ground Level Elevation 3192'	
<sup>16</sup> М	fultiple	7	<sup>17</sup> Proposed Dept 700'	h	<sup>18</sup> Fort Delawa	mation re		19 Contractor Grey Wolf		<sup>20</sup> Spud Date 03/30/08	
Depth to Grou	ındwater		-00	Distance	e from nearest fres		I	<del></del>	nearest surfac		
Pit: Liner:	Synthetic X	12 mils	thick Clay	Pit Volu	.me1_1,500bbls	Drill	ing Methor	L L_			
Close	d-Loop System							Brine X Diesel/O	I-based D G	ias/Air 🔲	
			21	Propos	sed Casing a	nd Cement	Progra	<u>m</u>			
Hole S	Size	Casin	g Size		g weight/foot		ing Depth Sacks of Cer		ment Estimated TOC		
14-3/4"		11-3/4"		42#		240'				Surface *	
7 7/9"	-	8-5/8"		32#		3550'		950		1000' **	
7-7/8"		5-1/2"		15.5# & 17# 7750' 90		900		3100'			
								1			
Describe the temperature of the Delaction of the Delactio	E IS OWED I L.P. propose total depth a rmediate ca #217 located ake Unit #2 Up" with a Inyon Sands aware Sands no be run. I drilling fluid	BY THE Seed to drill and cemes sing is a din section 17 this sating vis dries. Therefores with a freedom to the section and the size has been	m, if any. Use a STATE OF N 10' into the sented to surfacontingency on 19, T24S, and occurred filling fluid whore, the 11" coresh water lower used success	dditional sale with MEX salt section ace. String to R30E. at severalich with asing is weight ced to 7-ssfully or sale.	sheets if necessary XICO. ATTAC on to insure al be installed or al depths (+15 the resultant r proposed in or t drilling fluid. I 7/8" at 3550' a n 37 wells drill	HED IS A DR Il zones abov nly if we enco 500', +1800', mud weight e rder to put thi If the flowing and the produ	RILLING the sale cunter "fr +1900', - xceeded s problet sand pro ction hole	PROGNOSIS AI t are penetrated. ree flowing sand' +2300') and we vere the low frac gra-	ND A BOP. The casing as was for vere only aldient in the high thereby sountered the rine water/	g will be set 10-20' und in our Poker ble to control it by Delaware Lower allow for the drilling e intermediate diesel emulsion	
of my knowle	dge and belief.	I further o	iven above is true certify that the cidelines, a p	drilling pi	it will be	Approved by:	OIL C	CONSERVAT	ION DIV	ISION	
	) alternative O		ved plan 🗆.			**		BRYAN G.		· <del>-</del>	
Printed name:			-10100	Chil	der	Title:	MAY	DISTRICT 2 4 2007 E	77.00.00		
1100	ministrative .					Approval Date		2 4 ZUU/ E	piration Date	MAY 2 4 200	
	ss: machilde	rs@bass	į								
Date: 5-21-07 Phone: 432-683-2277				<i>'</i> 7	Conditions of Approval Attached						

DISTRICT I 1625 N. French Dr., Hobbs, NM 88240 DISTRICT II 811 South First, Artesia, NM 88210

#### State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 Revised March 17, 1999

Submit to Appropriate District Office

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

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

DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505

#### OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

			WELL L	OCAT	ION	AND ACRE	AGE DEDICATI	ON PLAT		0
API Number			4	Pool C	ode H-	5	Marsh	Pool Name	Delana	re Ava
Property Code				rioperty Name				Mett V	Well Number	
001796						OKER LAKE			245 Elevation	
001801	о.		DACC	ENIT	EDDI	Operator Naz	DUCTION COMP	ANY	319:	
001001	·	1	DASS	CIVII	LINF	Surface Loc			313.	<u></u>
UL or lot No.	Section	Townshi	ip Range	Lot	Idn	Feet from the	North/South line	Feet from the	East/West line	County
М	32	24 9	S 30 E			560	SOUTH	660	WEST	EDDY
	I	<b>I</b>	Bottom	Hole	Loc	ation If Diff	erent From Sur	face		<u> </u>
UL or lot No.	Section	Townshi	ip Range	Lot	ldn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	s Joint o	r Infill	Consolidation	Code	Ore	ler No.	<u> </u>		1	<u> </u>
40	N		001101111111	0000						
		TIL BE	ASSIGNED	то т	HIS	COMPLETION	UNTIL ALL INTER	PESTS HAVE RI	EEN CONSOLIDA	ATED
NO ALLIC	ON ADDE: N						APPROVED BY		BEN CONSOME	AIDD
	1			T				OPERATO	OR CERTIFICAT	TION
	1					1			ny certify the the inj	
						1		contained herei	n is true and comple	
	1			1		1		best of my know	wledge and belief.	
	ļ					1		11- AL	./ ^/	
						1		XIV	1. t/h	RD
<u> </u>	!			4		162.55 lac	res	Signature	/ /	·
		162.60	acres					W.R. DAN		
	,					;		11	N DRILLING S	IIPT.
				} .				Title	V BRIELING O	<u></u>
	1					I				
	į					1		Date		
				ļ				SURVEYO	OR CERTIFICAT	nor
						'			y that the well locate as plotted from field	
								11		under my
						1		11 .	nd that the same is se best of my beliej	
										"
	1	ž.				ŀ		1	INE 2, 2005	
	162.78	cres				162.73 ac	res	Date Surveye		
	////			T -			<del></del>	Professional	SMES OF THE	Į į
KAT - N32 10	05.9"					1		N / To	16 J	. II
100 - W103	54/36.0"					1		Mar	を送して	VV
<b>8</b> 60'-0/	[///							WISH	6. No. 5392	
								Certificade N	GOD LE	7977
								PRO	ESSIONAL LANGUES	(3)
V/////	/////			1		1			Sperior S	11

SECTION 32, TOWNSHIP 24 SOUTH, RANGE 30 EAST, N.M.P.M., NEW MEXICO. EDDY COUNTY, 150' NORTH Proposed Lease Road 3197' □ OFF SET 3193.2 BASS ENTERPRISES PROD. CO. POKER LAKE UNIT #245 150' EAST ELEV. - 3192' 150' WEST OFF SET □ 0 3194.0' 3191.1 Lat.-N 32°10'05.9" Long-W 103°54'36.0" 150' SOUTH OFF SET 3192.3 100 100 200 FEET SCALE: 1" = 100' DIRECTIONS TO LOCATION: BASS ENTERPRISES PRODUCTION CO. FROM THE JUNCTION OF STATE HWY 128 AND RAWHIDE ROAD, GO SOUTH FOR 10.2 MILES TO OLD POKER LAKE UNIT No. 245 / Well Pad Topo WINDMILL; THENCE WEST FOR 1.2 MILE; THENCE SOUTHEAST FOR 1.8 MILE PAST A CATTLE GUARD; THE POKER LAKE UNIT No. 245 LOCATED 560' FROM THENCE SOUTH FOR 0.9 MILE TO PROPOSED LEASE

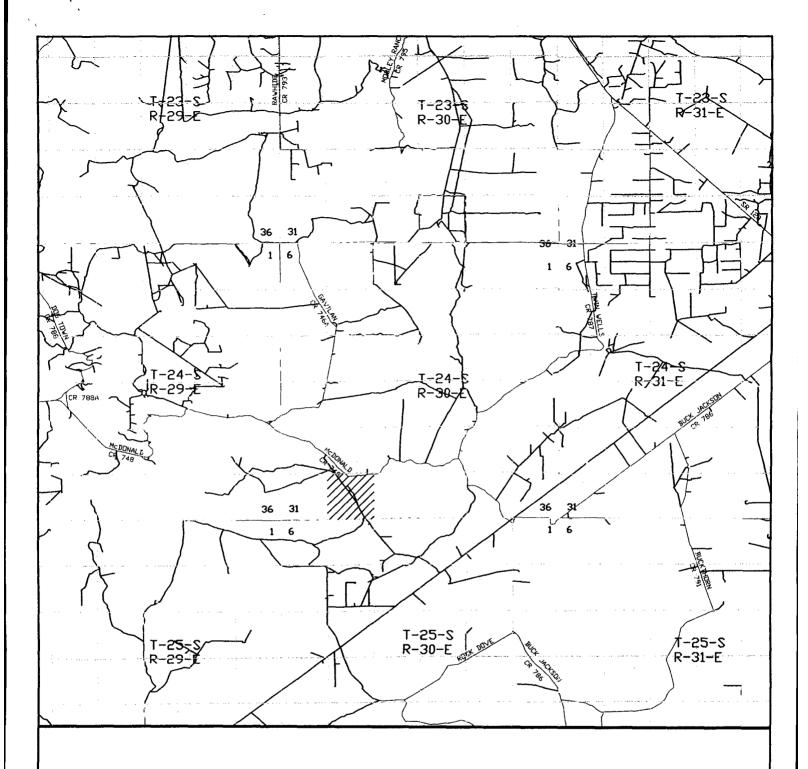
BASIN SURVEYS P.O. BOX 1786-HOBBS, NEW MEXICO

W.O. Number: 5392 Drawn By: K. GOAD

Date: 06-03-2005 Disk: KJG CD#7 -5392A.DWG THE SOUTH LINE AND 660' FROM THE WEST LINE OF SECTION 32, TOWNSHIP 24 SOUTH, RANGE 30 EAST,

N.M.P.M., EDDY COUNTY, NEW MEXICO.

Sheet Survey Date: 06-02-2005 Sheets



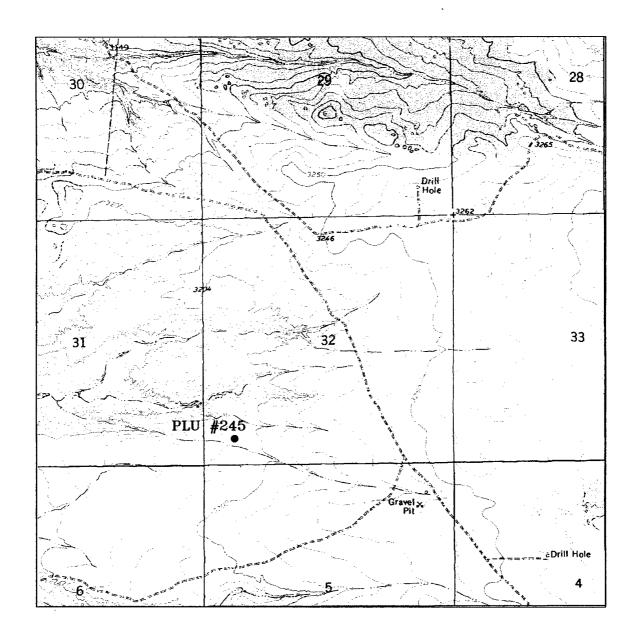
POKER LAKE UNIT #245 Located at 560' FSL and 660' FWL Section 32, Township 24 South, Range 30 East, N.M.P.M., Eddy County, New Mexico.



P.O. Box 1786 1120 N. West County Rd. Hobbs, New Mexico 88241 (505) 393-7316 - Office (505) 392-3074 - Fax basinsurveys.com

W.O. Number:	5392AA - KJG #7
Survey Date:	05-27-2005
Scale: 1" = 2	MILES
Date: 06-03-	-2005

BASS ENTERPRISES PRODUCTION CO.



POKER LAKE UNIT #245 Located at 560' FSL and 660' FWL Section 32, Township 24 South, Range 30 East, N.M.P.M., Eddy County, New Mexico.



P.O. Box 1786 1120 N. West County Rd. Hobbs, New Mexico 88241 (505) 393-7316 - Office (505) 392-3074 - Fax basinsurveys.com

W.O. Number:	5392AA — KJG #7
Survey Date:	05-27-2005
Scale: 1" = 20	000'
Date: 06-03-	-2005

BASS ENTERPRISES PRODUCTION CO.

## EIGHT POINT DRILLING PROGRAM BASS ENTERPRISES PRODUCTION CO.

#### NAME OF WELL: POKER LAKE UNIT #245

LEGAL DESCRIPTION - SURFACE: 560' FSL & 660' FWL, Section 32, 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 3212' (est)

GL 3192'

FORMATION	ESTIMATED TOP FROM KB	ESTIMATED SUBSEA TOP	BEARING
T/Salt	242'	+ 2,970'	Barren
B/Salt	3,327'	- 115'	Barren
T/Lamar	3,543'	- 331'	Barren
T/Ramsey	3,567'	- 355'	Oil/Gas
T/Lwr Brushy Canyon	7,117'	- 3,905'	Oil/Gas
T/"Y" Sand	7,227'	- 4,015'	Oil/Gas
T/Bone Springs Lime	7,397'	- 4,185'	Oil/Gas
TD	7,750'	- 4,538'	

#### **POINT 3: CASING PROGRAM**

TYPE	INTERVALS	PURPOSE	CONDITION
16"	0' - 60'	Conductor	Contractor Discretion
11-3/4", 42#, WC-50, ST&C	0' - 240'	Surface	New
8-5/8", 32#, WC-50, LT&C	0' - 3,550'	Intermediate	New
5-1/2", 15.50#, K-55, LT&C	0' 6,500'	Production	New
5-1/2", 17#, K-55, LT&C	6,500' - 7,750'	Production	New

#### POINT 4: PRESSURE CONTROL EQUIPMENT (SEE ATTACHED DIAGRAM)

A BOPE equivalent to requirements of Onshore Oil & Gas Order No. 2 – 2000 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. The BOPE when rigged up on the intermediate casing spool will be as described in Diagram 2 and will be tested to 3000 psig by independent tester. (As per Onshore Oil & Gas Order No 2 – 3000 psig system) In addition to the high pressure test, a low pressure (200 psig) test will be required. These tests will be performed:

- 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.

#### **POINT 5: MUD PROGRAM**

DEPTH	MUD TYPE	WEIGHT	_FV_	PV	<u>YP</u>	FL	<u>Ph</u>
0' - 240'	FW Spud Mud	8.5 - 9.2	45-35	NC	NC	NC	10.0
240' 3550'	BW	10.0	28-30	NC	NC	NC	9.5-10.5
3550' - 6000'	Fresh Water	8.4 - 8.9	28-30	NC	NC	NC	9.5-10.5
6000' - 6900'	FW/Starch	8.7 - 8.9	30-35	4	8	<100	9.5-10.5
6900' 7750'	FW/Starch	8.7 - 8.9	40-45	4	8	<25	9.5-10.5
*Will increase vis for logging purposes only.							

**POINT 6: TECHNICAL STAGES OF OPERATION** 

### A) TESTING

None anticipated.

#### B) LOGGING

GR-CNL-LDT-LLD from TD to Base of Salt (+/-3,322'). Run GR-CNL from Base of Salt to surface.

#### C) CONVENTIONAL CORING

None anticipated.

#### D) CEMENT

INTERVAL	AMOUNT SXS	FT OF FILL	TYPE	GALS/SX	PPG	FT³/SX	
SURFACE: Circulate cement to surface.							
Lead 0'-240' (100% excess)	350	240	Premium Plus+2% CaClz 1/ 4# Flocele	6.33	14.8	1.35	
INTERMEDIATE: Lead 1000'-3050' (200% excess)	650	2050	Interfill C+0.3% Halad R-322	14.11	11.9	2.45	
Tail 3050' - 3550 (200% excess)	300	500	Premium Plus+2% CaClz	6.33	14.8	1.35	
PRODUCTION:						COMPRESSIVE	
Lead 3100'-7750' (50% excess)	900	4650	Premium Plus + 1% Zone Sealant 2000	6.32	11.9	Nitrogen Strength 1.65 300/600 1200 scf/bbl	

#### E) DIRECTIONAL DRILLING

No directional services anticipated.

#### POINT 7: ANTICIPATED RESERVOIR CONDITIONS

Normal pressures are anticipated throughout Delaware section. A BHP of 3322 psi (max) or MWE of 8.7 ppg is expected. Lost circulation may exist in the Delaware section from 3,567'-7,750'. No  $H_2S$  is anticipated.

Estimated BHT is 140° F.

#### **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

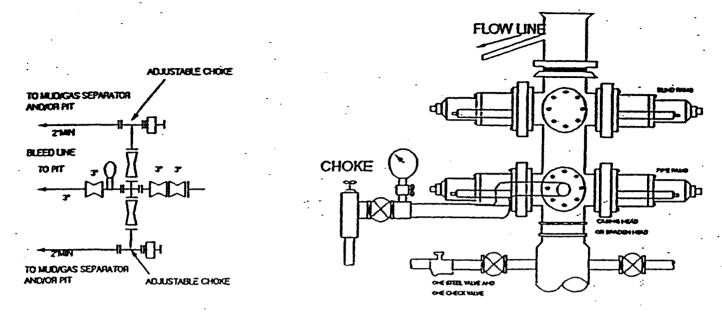
12 days drilling operations

14 days completion operations

GEG/cdg

June 16, 2005

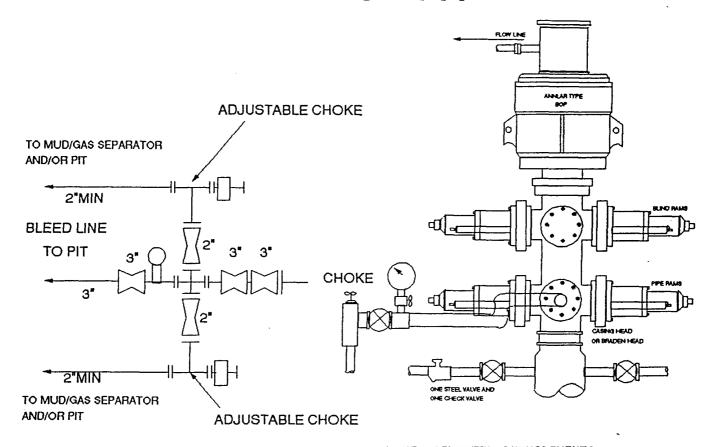
# 2000 PSI WP



#### 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.

# 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.

DIAGRAM 2