

R-DOOR E45T

OCD-ARTESIA

FEB - 3 2009

162

ATS-09-121



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No 1004-0137
Expires March 31, 2007

1a. Type of work <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. EC 02862
1b. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator BOPCO, L. P.		7. If Unit or CA Agreement, Name and No NMNM 71016X
3a. Address P. O. Box 2760 Midland, TX 79702		8. Lease Name and Well No. Poker Lake Unit #301H
3b. Phone No. (include area code) 432-683-2277		9. API Well No. 30-015-36924
4. Location of Well (Report location clearly and in accordance with any State requirements *) At surface NWNW, UL F, 2460' FNL, 2310' FWL, Lat N32.189178, Lon W103.869631 At proposed prod zone 330' FNL, 800' FWL, Lat N32.194994, Lon W103.874522		10. Field and Pool, or Exploratory Nash Draw (Dela, BS Avalon Sd) 47545
11. Sec, T R M or Blk and Survey or Area Sec 27, T24S, R30E, Mer NMP		12. County or Parish Eddy County
13. State NM		14. Distance in miles and direction from nearest town or post office* 12 miles East of Malaga, NM
15. Distance from proposed* location to nearest property or lease line, ft (Also to nearest drg unit line, if any) 180'	16. No of acres in lease 2880	17. Spacing Unit dedicated to this well 120
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft 2252'	19. Proposed Depth 9997' MD / 7560' TVD	20. BLM/BIA Bond No on file / COB000050
21. Elevations (Show whether DF, KDB, RT, GL, etc) 3345' GL	22. Approximate date work will start* 01/20/2009	23. Estimated duration 38 days

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 | 4 Bond to cover the operations unless covered by an existing bond on file (see item 20 above) |
| 2 A Drilling Plan | 5 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) | 6 Such other site specific information and/or plans as may be required by the authorized officer |

25. Signature <i>Annette Childers</i>	Name (Printed/Typed) Annette Childers	Date 11-5-08
Title Administrative Assistant		

Approved by (Signature) <i>/s/ James Stovall</i>	Name (Printed/Typed) /s/ James Stovall	Date JAN 28 2009
Title FIELD MANAGER		Office CARLSBAD FIELD 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
Conditions of approval, if any, are attached.

APPROVAL FOR TWO YEARS

Title 18 USC Section 1001 and Title 43 USC 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)

CARLSBAD CONTROLLED WATER BASIN

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS
AND SPECIAL STIPULATIONS
ATTACHED

Form 3160-5
(April 2004)

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

**OOD-ARTESIA
FEB - 3 2009**

FORM APPROVED
OMB No. 1045-01
Expires March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMLC 02862
2. Name of Operator BOPCO, L.P.		6. If Indian Allottee or Tribe Name
3a. Address P. O. Box 2760 Midland, TX 79702	3b. Phone No. (include area code) 432-683-2277	7. If Unit or CA/Agreement, Name and (c) No.
4. Location of Well (Footage Sec. T, R, M., or Survey Description) Surface: NWNW, 2460' ENL, 2310' FWL, Sec 27, T24S, R30E, Lat N32.189178, Lon W103.869631 BHI: NWNW, 330' ENL, 800' FWL, Sec 27, T24S, R30E, Lat N32.194994, Lon W103.874522		8. Well Name and No. Poker Lake Unit #301H
		9. API Well No.
		10. Field and Pool or Exploratory Area Nash Draw (Defa. BS, Avalon Sd)
		11. County or Parish, State Eddy County, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

BOPCO, L.P. respectfully requests that the gas line be dropped as part of this project. BOPCO, L.P. will at a later date submit a second sundry describing where the gas line will be installed.

BOPCO L.P. Bond # on file: COB000050

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed): Annette Childers		Title: Administrative Assistant
Signature: <i>Annette Childers</i>		Date: 1-27-09
THIS SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by: /s/ James Stovall		FIELD MANAGER Date: JAN 28 2009
Conditions of approval, if any, are attached. Approval of this notice 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.		Office: CARLSBAD FIELD OFFICE
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)		

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA
FEB - 3 2009

FORM APPROVED
OMB No 1004-0137
Expires March 31, 2007



SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1 Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		UNORTHODOX LOCATION	5. Lease Serial No NMLC 02862
2 Name of Operator BOPCO, L. P.			6 If Indian, Allottee or Tribe Name
3a Address P. O. Box 2760 Midland, TX 79702		3b Phone No (include area code) 432-683-2277	7. If Unit or CA/Agreement, Name and/or No
4 Location of Well (Footage, Sec, T, R, M, or Survey Description) Surface: NWNW, 2460' FNL, 2310' FWL, Sec 27, T24S, R30E, Lat N32.189178, Lon W103.869631 BHL: NWNW, 330' FNL, 800' FWL, Sec 27, T24S, R30E, Lat N32.194994, Lon W103.874522			8 Well Name and No. Poker Lake Unit #301H
			9 API Well No
			10. Field and Pool, or Exploratory Area Nash Draw (Dela, BS, Avalon Sd)
			11 County or Parish, State Eddy County, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13 Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones Attach the Bond under which the work will be performed or provide the Bond No on file with BLM/BIA Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection)

BOPCO request approval to change the surface casing setting depth from 750' to 555'. This change is the result of new geologic information received from Jerry Vent with BLM on 11/19/08.

BOPCO L.P. Bond # on file: COB000050

14 I hereby certify that the foregoing is true and correct Name (Printed/Typed) Annette Childers		Title Administrative Assistant
Signature <i>Annette Childers</i>		Date 11-25-08

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by /s/ James Stovall	FIELD MANAGER	Date JAN 28 2009
Conditions of approval, if any, are attached Approval of this notice 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		Office CARLSBAD FIELD OFFICE

Title 18 USC Section 1001 and Title 43 USC 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)

[Handwritten signature]

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 St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised October 12, 2005

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

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-36924	Pool Code 47545	Pool Name Nash Draw (Delaware, Bone Spring, Avalon Sd)
Property Code 306402	Property Name POKER LAKE UNIT	Well Number 301H
OGRID No. 260737	Operator Name BOPCO, L.P.	Elevation 3345'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	27	24 S	30 E		2460	NORTH	2310	WEST	EDDY

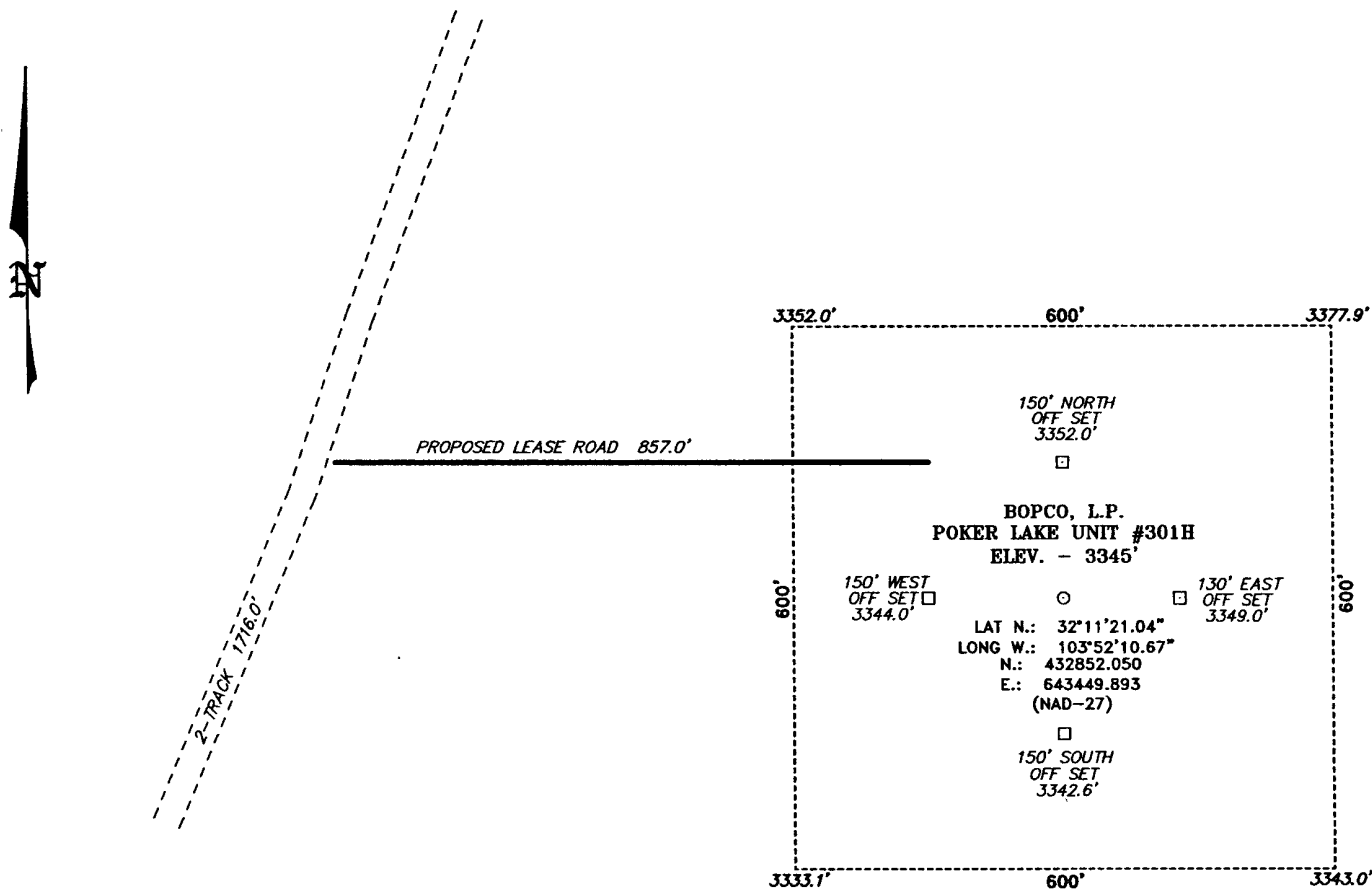
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	27	24 S	30 E		330	NORTH	800	WEST	EDDY
Dedicated Acres 160	Joint or Infill N	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

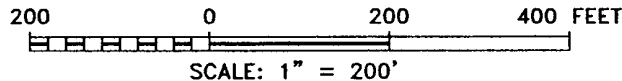
<p>BOTTOM HOLE LOCATION LAT - N32°11'41.98" LONG - W103°52'28.28" SPC N.: 434961.368 SPC E.: 641927.863 (NAD-27)</p> <p>SURFACE LOCATION LAT - N32°11'21.04" LONG - W103°52'10.67" SPC N.: 432852.050 SPC E.: 643449.893 (NAD-27)</p> <p>DELAWARE ENTRY POINT LAT - N32°11'21.04" LONG - W103°52'10.67" SPC N.: 432852.050 SPC E.: 643449.893 (NAD-27)</p>	<p>OPERATOR CERTIFICATION</p> <p>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.</p> <p><i>Gary E. Gerhard</i> 11/4/08 Signature Date</p> <p>Gary E. Gerhard Printed Name</p> <p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>OCTOBER 1, 2008</p> <p>Date Surveyed Signature of Gary L. Jones Professional Surveyor 7977</p> <p>Certificate No. Gary L. Jones 7977</p> <p>BASIN SURVEYS</p>
---	--

SECTION 27, TOWNSHIP 24 SOUTH, RANGE 30 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



DIRECTIONS TO LOCATION:

FROM THE JUNCTION OF TWIN WELLS AND McDONALD,
GO WEST ON McDONALD FOR 0.8 MILES TO 2-TRACK,
ON 2-TRACK GO NORTH 0.4 MILES TO PROPOSED
LEASE ROAD.



BOPCO, L.P.

REF: POKER LAKE UNIT #301H / WELL PAD AND TOPO

THE POKER LAKE UNIT #301H LOCATED 2460'

FROM THE NORTH LINE AND 2310' FROM THE WEST LINE OF

SECTION 27, TOWNSHIP 24 SOUTH, RANGE 30 EAST,

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

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

W.O. Number: 20594

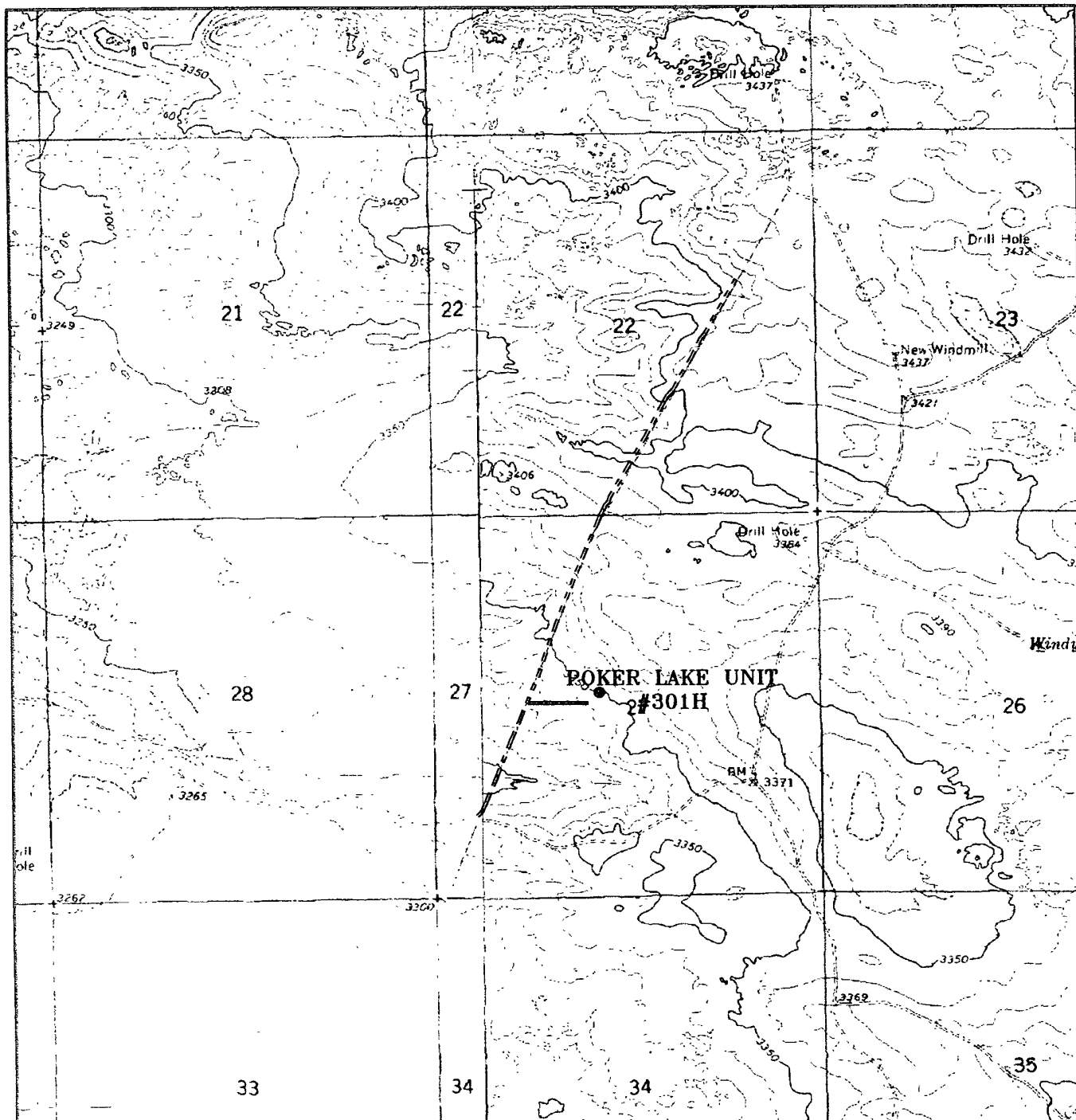
Drawn By: J. SMALL

Date: 10-02-2008

Disk: 20594 JMS

Survey Date: 10-01-2008

Sheet 1 of 1 Sheets



POKER LAKE UNIT #301H

2460' FNL and 2310' FWL

Section 27, 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
(575) 393-7316 - Office
(575) 392-2206 - Fax
basinsurveys.com

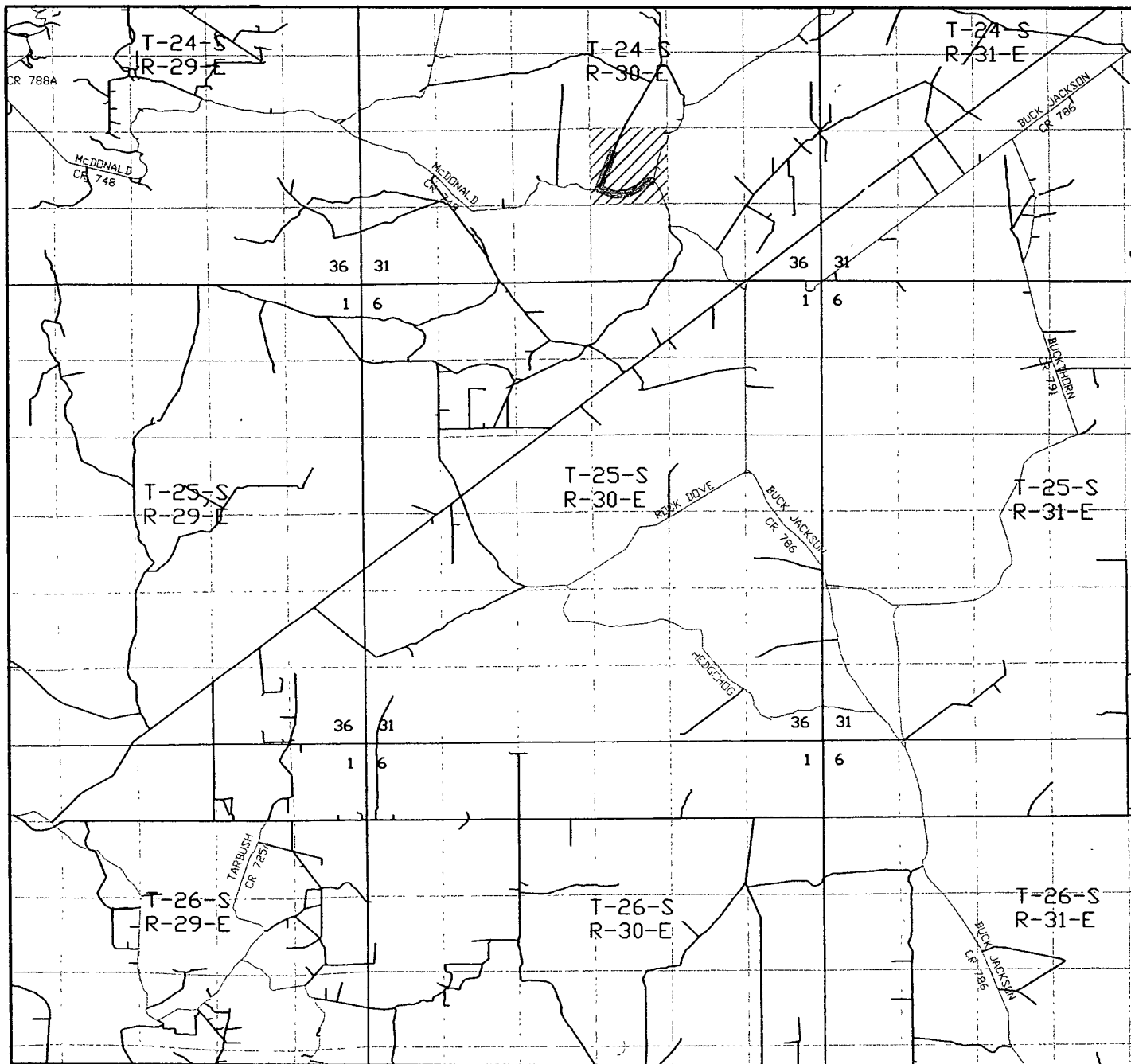
W.O. Number JMS 20594

Survey Date 10-01-2008

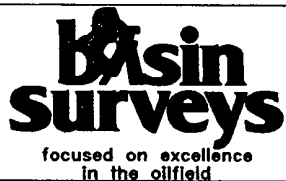
Scale 1" = 2000'

Date 10-02-2008

BOPCO, L.P.



POKER LAKE UNIT #301H
 2460' FNL and 2310' FWL
 Section 27, 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
 (575) 393-7316 - Office
 (575) 392-2206 - Fax
 basinsurveys.com

W.O. Number: JMS 20594

Survey Date: 10-01-2008

Scale: 1" = 2 MILES

Date: 10-02-2008

BOPCO, L.P.

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

Production casing will be cemented using Halliburton acid soluble cement system in lateral hole with TOC at approximately 3,415' (approximately 500' into intermediate casing).

Drilling procedure, BOP diagram, anticipated tops attached.

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

The surface location is unorthodox.

The bottom hole location is orthodox.

BOPCO, L.P., at P. O. Box 2760, Midland, TX, 79702 is a subsidiary of BOPCO, L.P., 201 Main Street, Ft. Worth, TX, 76102. Bond No. CO000050 (Nationwide).

EIGHT POINT DRILLING PROGRAM BOPCO, L.P.

NAME OF WELL: Poker Lake Unit #301H

LEGAL DESCRIPTION - SURFACE: 2460' FNL, 2310' FWL, Section 27, T24S, R30E, Eddy County, NM.
BHL: 330' FNL, 800' FWL, Section 27, T24S, R30E, 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 3365' (estimated)
GL 3345'

FORMATION	ESTIMATED TOP FROM KB		ESTIMATED SUB-SEA TOP	BEARING
	TVD	MD		
T/Rustler	1765'	1765'	+ 1600'	Barren
B/Rustler	2135'	2135'	+ 1230'	Barren
T/Salt	2165'	2165'	+ 1200'	Barren
B/Salt	3825'	3825'	- 460'	Barren
T/Lamar Lime	3895'	3895'	- 530'	Barren
T/Ramsey	3930'	3930'	- 565'	Oil/Gas
T/Lower Cherry Canyon	6030'	6030'	- 2665'	Oil/Gas
T/Lower Brushy Canyon	7550'	7550'	- 4185'	Oil/Gas
Bone Spring Lime	7740'	7740'	- 4375'	Oil/Gas
Avalon Sand	7830'	7850'	- 4485'	Oil/Gas
TD (Pilot Hole)	7944'	7944'	- 4579'	Oil/Gas
KOP (Kick Off Point)	7409'	7409'	- 4044'	N/A
EOC Target	7500'	7882'	- 4235'	Oil/Gas
TD Horizontal Hole	7560'	9997'	- 4195'	Oil/Gas

POINT 3: CASING PROGRAM

TYPE	INTERVALS (MD)	Hole Size	PURPOSE	CONDITION
20"	0' - 60'	24"	Conductor	Contractor Discretion
13-3/8", 48#, H-40, 8RD, ST&C	0' - 750'	17-1/2"	Surface	New
9-5/8", 36#, J-55, 8RD, LT&C	0' - 3915'	12-1/4"	Intermediate	New
5-1/2", 17#, HCP110, 8RD, LT&C	0' - 7150'	8-3/4"	Production	New
5-1/2", 17#, HCP110, Ultra Flush JT	7150' - 10,120'	8-3/4"	Production	New

CASING DESIGN SAFETY FACTORS:

TYPE	TENSION	COLLAPSE	BURST
13-3/8", 48#, H-40, 8RD, ST&C	10.67	2.34	2.82
9-5/8", 36#, J-55, 8RD, LT&C	3.69	1.14	1.12
5-1/2", 17#, HCP110, 8RD, LT&C	3.33	2.07	3.16
5-1/2", 17#, HCP110, Ultra Flush JT	2.38	2.07	3.16

DESIGN CRITERIA AND CASING LOADING ASSUMPTIONS:

SURFACE CASING

Tension	A 1.6 design factor utilizing the effects of buoyancy (9.2 ppg).
Collapse	A 1.0 design factor with full internal evacuation and a collapse force equal to the mud gradient in which the casing will be run (0.48 psi/ft). The effects of axial load on collapse will be considered.
Burst	A 1.3 design factor with a surface pressure equal to the fracture gradient at setting depth less a gas gradient to the surface. Internal burst force at the shoe will be fracture pressure at that depth. Backup pressure will be formation pore pressure. In all cases a conservative fracture pressure will be used such that it represents the upper limit of potential fracture resistance up to a 1.0 psi/ft gradient. The effects of tension on burst will not be utilized.

PROTECTIVE CASING

Tension	A 1.6 design factor utilizing the effects of buoyancy (10 ppg).
Collapse	<p>A 1.0 design factor with full internal evacuation and a collapse force equal to the mud gradient in which the casing will be run (0.52 psi/ft). The effects of axial load on collapse will be considered.</p> <p>In the case of development drilling, collapse design should be analyzed using internal evacuation equal to 1/3 the proposed total depth of the well. This criterion will be used when there is absolutely no potential of the protective string being used as a production casing string.</p>
Burst	A 1.0 surface design factor and a 1.3 downhole design factor with a surface pressure equivalent to the fracture gradient at setting depth less a gas gradient to the surface. Internal burst force at the shoe will be fracture pressure at that depth. Backup pressure will be formation pore pressure. In all cases a conservative fracture pressure will be used such that it represents the upper limit of potential fracture resistance up to a 1.0 psi/ft gradient.

PRODUCTION CASING

Tension	A 1.6 design factor utilizing the effects of buoyancy (9.2 ppg).
Collapse	A 1.0 design factor with full internal evacuation and a collapse force equal to the mud gradient in which the casing will be run (0.48 psi/ft). The effects of axial load on collapse will be considered.
Burst	A 1.25 design factor with anticipated maximum tubing pressure (3529 psig) on top of the maximum anticipated packer fluid gradient. Backup on production strings will be formation pore pressure. The effects of tension on burst will not be utilized.

POINT 4: PRESSURE CONTROL EQUIPMENT (SEE ATTACHED DIAGRAM)

The blowout preventer equipment will be as shown in Diagram #2 and will consist of a double ram type preventer (3000 psi WP) and a bag type (Hydril) annular preventer (3000 psi WP). The same BOPE will be installed on the surface casinghead and on all subsequent casing strings. The BOP stack, choke, kill lines, kelly cocks, inside BOP, etc. when installed on the surface casinghead will be hydro-tested to 200 psig & 1000 psig with the rig mud pump. The BOPE when rigged up on the intermediate casing spool will be tested to 3000 psig by independent tester. In addition to the high pressure test, a low pressure (250 psig) test will be required.

7-7
OK

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	YP	FL	Ph
0' - 750'	FW Spud Mud	8.5 - 9.2	38-70	NC	NC	NC	10.0
750' - 3915'	Brine Water	9.8 - 10.2	28-30	NC	NC	NC	9.5 - 10.5
3915' - 7150'	FW/Gel	8.7 - 9.0	28-36	NC	NC	NC	9.5 - 10.0
7150' - 9997'	FW/Gel/Starch	8.7 - 9.0	28-36	NC	NC	<100	9.5 - 10.0

NOTE: May increase vis for logging purposes only.

POINT 6: TECHNICAL STAGES OF OPERATION

A) TESTING

None anticipated.

B) LOGGING

Run #1: PEX (GR-CNL/LDT-AIT) from TD of pilot hole (approx 7944') to base of intermediate casing (est) 3915'.

Run #2: GR with MWD during drilling of build and horizontal portions of 8-3/4" hole.

C) CONVENTIONAL CORING

None anticipated.

D) CEMENT


See COA

INTERVAL	AMOUNT SXS	FT OF FILL	TYPE	GALS/SX	PPG	FT ³ /SX
SURFACE:						
Lead: 0 - 450' (100% excess Circ to surface)	375	450	EconoCem HLC + 2.7 #/sk Salt	10.14	12.8	1.87
Tail: 450' - 750' (100% excess)	340	300	HalCem "C" + 2% CaCl ₂	6.37	14.8	1.35
INTERMEDIATE:						
Lead: 0' - 3415' (100% excess Circ to surface)	750	3415	EconoCem HLC + 2.87 #/sk Salt	10.29	12.8	1.89
Tail: 3415' - 3915' (100% excess)	260	500	HalCem "C" + 1% CaCl ₂	6.29	14.8	1.35

D) CEMENT - Cont'd...

<u>INTERVAL</u>	<u>AMOUNT SXS</u>	<u>FT OF FILL</u>	<u>TYPE</u>	<u>GALS/SX</u>	<u>PPG</u>	<u>FT³/SX</u>
PRODUCTION: Lead: 3415' - 7100' (50% excess circ to surface)	530	3685	Halco Tuned Lite	14.40	9.7	3.13
Tail 7100' - 9997' (50% excess)	340	2897	Premium Plus Acid Soluble + 10 #/sk Silicate 50/50 Blend + 0.7% Halad-344 + 0.3% HR-601 + 0.25 #/sk D-AIR-3000	11.34	15.0	2.62

E) DIRECTIONAL DRILLING


 BOPCO, L.P. plans to drill out the 9-5/8" intermediate casing with a 8-3/4" bit to a TVD of approximately 7950' at which point openhole logs will be run. The 8-3/4" hole will be plugged back to approximately 7123'. At this depth a 8-3/4" directional hole will be initiated at an azimuth of 324.19', building angle at 12.00°/100' to a max of 91.08° at a TVD of 7882' (MD 7600'). This 91.08° angle will be maintained to a MD of 9997' or TVD of 7560'.
 7600
7882

POINT 7: ANTICIPATED RESERVOIR CONDITIONS

Normal pressures are anticipated throughout Delaware section. A BHP of 3298 psi (max) or MWE of 8.4 ppg is expected. Lost circulation may exist in the Delaware Section from 3900'-7850' TVD. No H₂S is anticipated.

POINT 8: OTHER PERTINENT INFORMATION

A) Auxiliary Equipment

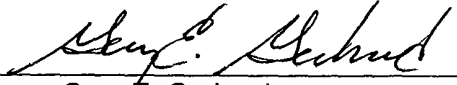
Upper and lower kelly cocks. Full opening stab in valve on the rig floor.

B) Anticipated Starting Date

Upon approval

39 days drilling operations

14 days completion operations


 Gary E. Gerhard

GEG/mac
November 5, 2008

BEPCO, L.P.

Eddy Co. New Mexico (Nad 27)

Poker Lake Unit 301H

Poker Lake Unit #301H

Lateral #1

Plan: Plan #1a

Standard Planning Report

31 October, 2008

Black Viper Energy

Planning Report

Database:	EDM 2003.14 Server Db	Local Co-ordinate Reference:	Site Poker Lake Unit 301H
Company:	BEPCO, L.P.	TVD Reference:	KB Elev @ 3366.00ft (KB Elevation)
Project:	Eddy Co New Mexico (Nad 27)	MD Reference:	KB Elev @ 3366 00ft (KB Elevation)
Site:	Poker Lake Unit 301H	North Reference:	Grid
Well:	Poker Lake Unit #301H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral #1		
Design:	Plan #1a		

Project:	Eddy Co. New Mexico (Nad 27)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Ground Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site:	Poker Lake Unit 301H				
Site Position:	Northing:	432,852.05 ft	Latitude:	32° 11' 21.030 N	
From:	Map	Easting:	643,449.89 ft	Longitude:	103° 52' 10.688 W
Position Uncertainty:	0.00 ft	Slot Radius:	"	Grid Convergence:	0.25 °

Well:	Poker Lake Unit #301H					
Well Position	+N/-S	0.00 ft	Northing:	432,852.05 ft	Latitude:	32° 11' 21.030 N
	+E/-W	0.00 ft	Easting:	643,449.89 ft	Longitude:	103° 52' 10.688 W
Position Uncertainty	0.00 ft	Wellhead Elevation:	3,366.00 ft	Ground Level:	3,345.00 ft	

Wellbore:	Lateral #1				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF200510	10/24/2008	8.02	60.18	48,851

Design:	Plan #1a			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	7,122.70

Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.00	0.00	0.00	324.19

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(ft)	(ft)	Rate	Rate	Rate	(°)	
(ft)			(ft)			(°/100ft)	(°/100ft)	(°/100ft)		
7,122.70	0.00	0.00	7,122.70	0.00	0.00	0.00	0.00	0.00	0.00	
7,881.56	91.08	324.19	7,599.98	394.42	-284.60	12.00	12.00	0.00	324.19	
9,996.67	91.08	324.19	7,560.00	2,109.32	-1,522.03	0.00	0.00	0.00	0.00	PBHL#1[PLU#301H]

Black Viper Energy

Planning Report

Database: EDM 2003 14 Server Db
Company: BEPCO, L.P.
Project: Eddy Co. New Mexico (Nad 27)
Site: Poker Lake Unit 301H
Well: Poker Lake Unit #301H
Wellbore: Lateral #1
Design: Plan #1a

Local Co-ordinate Reference: Site Poker Lake Unit 301H
TVD Reference: KB Elev @ 3366.00ft (KB Elevation)
MD Reference: KB Elev @ 3366.00ft (KB Elevation)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
7,122.70	0.00	0.00	7,122.70	0.00	0.00	0.00	0.00	0.00	0.00
KOP Build 12.00°/100' :: TFO 324.19									
7,140.00	2.08	324.19	7,140.00	0.25	-0.18	0.31	12.00	12.00	0.00
7,170.00	5.68	324.19	7,169.92	1.90	-1.37	2.34	12.00	12.00	0.00
7,200.00	9.28	324.19	7,199.66	5.06	-3.65	6.25	12.00	12.00	0.00
7,230.00	12.88	324.19	7,229.10	9.74	-7.03	12.01	12.00	12.00	0.00
7,260.00	16.48	324.19	7,258.11	15.90	-11.47	19.61	12.00	12.00	0.00
7,290.00	20.08	324.19	7,286.60	23.53	-16.98	29.02	12.00	12.00	0.00
7,320.00	23.68	324.19	7,314.43	32.60	-23.52	40.20	12.00	12.00	0.00
7,350.00	27.28	324.19	7,341.51	43.06	-31.07	53.10	12.00	12.00	0.00
7,380.00	30.88	324.19	7,367.72	54.88	-39.60	67.68	12.00	12.00	0.00
7,410.00	34.48	324.19	7,392.97	68.02	-49.08	83.88	12.00	12.00	0.00
7,440.00	38.08	324.19	7,417.15	82.41	-59.47	101.83	12.00	12.00	0.00
7,470.00	41.69	324.19	7,440.16	98.01	-70.72	120.86	12.00	12.00	0.00
7,500.00	45.29	324.19	7,461.93	114.75	-82.80	141.50	12.00	12.00	0.00
7,530.00	48.89	324.19	7,482.35	132.56	-95.65	163.47	12.00	12.00	0.00
7,560.00	52.49	324.19	7,501.35	151.38	-109.23	186.68	12.00	12.00	0.00
7,590.00	56.09	324.19	7,518.86	171.13	-123.49	211.03	12.00	12.00	0.00
7,620.00	59.69	324.19	7,534.81	191.74	-138.35	236.44	12.00	12.00	0.00
7,650.00	63.29	324.19	7,549.12	213.11	-153.77	262.80	12.00	12.00	0.00
7,665.83	65.19	324.19	7,556.00	224.67	-162.11	277.05	12.00	12.00	0.00
Lower Brushy Canyon									
7,680.00	66.89	324.19	7,561.76	235.17	-169.69	290.00	12.00	12.00	0.00
7,710.00	70.49	324.19	7,572.66	257.83	-186.04	317.95	12.00	12.00	0.00
7,740.00	74.09	324.19	7,581.78	281.00	-202.76	348.52	12.00	12.00	0.00
7,770.00	77.69	324.19	7,589.09	304.59	-219.79	375.61	12.00	12.00	0.00
7,800.00	81.29	324.19	7,594.56	328.51	-237.04	405.10	12.00	12.00	0.00
7,830.00	84.89	324.19	7,598.17	352.66	-254.47	434.88	12.00	12.00	0.00
7,860.00	88.50	324.19	7,599.90	376.94	-271.99	464.83	12.00	12.00	0.00
7,881.56	91.08	324.19	7,599.98	394.42	-284.60	486.38	12.00	12.00	0.00
EOC Hold 91.08° INC :: 324.19° AZI									
7,890.00	91.08	324.19	7,599.82	401.27	-289.54	494.82	0.00	0.00	0.00
7,920.00	91.08	324.19	7,599.25	425.59	-307.09	524.82	0.00	0.00	0.00
7,950.00	91.08	324.19	7,598.68	449.91	-324.65	554.81	0.00	0.00	0.00
7,980.00	91.08	324.19	7,598.12	474.24	-342.20	584.81	0.00	0.00	0.00
8,010.00	91.08	324.19	7,597.55	498.56	-359.75	614.80	0.00	0.00	0.00
8,040.00	91.08	324.19	7,596.98	522.88	-377.30	644.80	0.00	0.00	0.00
8,070.00	91.08	324.19	7,596.41	547.21	-394.85	674.79	0.00	0.00	0.00
8,100.00	91.08	324.19	7,595.85	571.53	-412.40	704.78	0.00	0.00	0.00
8,130.00	91.08	324.19	7,595.28	595.85	-429.95	734.78	0.00	0.00	0.00
8,160.00	91.08	324.19	7,594.71	620.18	-447.50	764.77	0.00	0.00	0.00
8,190.00	91.08	324.19	7,594.15	644.50	-465.05	794.77	0.00	0.00	0.00
8,220.00	91.08	324.19	7,593.58	668.82	-482.61	824.76	0.00	0.00	0.00
8,250.00	91.08	324.19	7,593.01	693.15	-500.16	854.76	0.00	0.00	0.00
8,280.00	91.08	324.19	7,592.45	717.47	-517.71	884.75	0.00	0.00	0.00
8,310.00	91.08	324.19	7,591.88	741.79	-535.26	914.75	0.00	0.00	0.00
8,340.00	91.08	324.19	7,591.31	766.12	-552.81	944.74	0.00	0.00	0.00
8,370.00	91.08	324.19	7,590.74	790.44	-570.36	974.74	0.00	0.00	0.00
8,400.00	91.08	324.19	7,590.18	814.76	-587.91	1,004.73	0.00	0.00	0.00
8,430.00	91.08	324.19	7,589.61	839.09	-605.46	1,034.73	0.00	0.00	0.00
8,460.00	91.08	324.19	7,589.04	863.41	-623.02	1,064.72	0.00	0.00	0.00
8,490.00	91.08	324.19	7,588.48	887.74	-640.57	1,094.71	0.00	0.00	0.00
8,520.00	91.08	324.19	7,587.91	912.06	-658.12	1,124.71	0.00	0.00	0.00

Black Viper Energy

Planning Report

Database: EDM 2003.14 Server Db
 Company: BEPCO, L.P.
 Project: Eddy Co New Mexico (Nad 27)
 Site: Poker Lake Unit 301H
 Well: Poker Lake Unit #301H
 Wellbore: Lateral #1
 Design: Plan #1a

Local Co-ordinate Reference: Site Poker Lake Unit 301H
 TVD Reference: KB Elev @ 3366.00ft (KB Elevation)
 MD Reference: KB Elev @ 3366.00ft (KB Elevation)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,550.00	91.08	324.19	7,587.34	936.38	-675.67	1,154.70	0.00	0.00	0.00
8,580.00	91.08	324.19	7,586.78	960.71	-693.22	1,184.70	0.00	0.00	0.00
8,610.00	91.08	324.19	7,586.21	985.03	-710.77	1,214.69	0.00	0.00	0.00
8,640.00	91.08	324.19	7,585.64	1,009.35	-728.32	1,244.69	0.00	0.00	0.00
8,670.00	91.08	324.19	7,585.07	1,033.68	-745.87	1,274.68	0.00	0.00	0.00
8,700.00	91.08	324.19	7,584.51	1,058.00	-763.43	1,304.68	0.00	0.00	0.00
8,730.00	91.08	324.19	7,583.94	1,082.32	-780.98	1,334.67	0.00	0.00	0.00
8,760.00	91.08	324.19	7,583.37	1,106.65	-798.53	1,364.67	0.00	0.00	0.00
8,790.00	91.08	324.19	7,582.81	1,130.97	-816.08	1,394.66	0.00	0.00	0.00
8,820.00	91.08	324.19	7,582.24	1,155.29	-833.63	1,424.66	0.00	0.00	0.00
8,850.00	91.08	324.19	7,581.67	1,179.62	-851.18	1,454.65	0.00	0.00	0.00
8,880.00	91.08	324.19	7,581.11	1,203.94	-868.73	1,484.65	0.00	0.00	0.00
8,910.00	91.08	324.19	7,580.54	1,228.26	-886.28	1,514.64	0.00	0.00	0.00
8,940.00	91.08	324.19	7,579.97	1,252.59	-903.84	1,544.63	0.00	0.00	0.00
8,970.00	91.08	324.19	7,579.40	1,276.91	-921.39	1,574.63	0.00	0.00	0.00
9,000.00	91.08	324.19	7,578.84	1,301.23	-938.94	1,604.62	0.00	0.00	0.00
9,030.00	91.08	324.19	7,578.27	1,325.56	-956.49	1,634.62	0.00	0.00	0.00
9,060.00	91.08	324.19	7,577.70	1,349.88	-974.04	1,664.61	0.00	0.00	0.00
9,090.00	91.08	324.19	7,577.14	1,374.21	-991.59	1,694.61	0.00	0.00	0.00
9,120.00	91.08	324.19	7,576.57	1,398.53	-1,009.14	1,724.60	0.00	0.00	0.00
9,150.00	91.08	324.19	7,576.00	1,422.85	-1,026.69	1,754.60	0.00	0.00	0.00
9,180.00	91.08	324.19	7,575.44	1,447.18	-1,044.25	1,784.59	0.00	0.00	0.00
9,210.00	91.08	324.19	7,574.87	1,471.50	-1,061.80	1,814.59	0.00	0.00	0.00
9,240.00	91.08	324.19	7,574.30	1,495.82	-1,079.35	1,844.58	0.00	0.00	0.00
9,270.00	91.08	324.19	7,573.73	1,520.15	-1,096.90	1,874.58	0.00	0.00	0.00
9,300.00	91.08	324.19	7,573.17	1,544.47	-1,114.45	1,904.57	0.00	0.00	0.00
9,330.00	91.08	324.19	7,572.60	1,568.79	-1,132.00	1,934.56	0.00	0.00	0.00
9,360.00	91.08	324.19	7,572.03	1,593.12	-1,149.55	1,964.56	0.00	0.00	0.00
9,390.00	91.08	324.19	7,571.47	1,617.44	-1,167.10	1,994.55	0.00	0.00	0.00
9,420.00	91.08	324.19	7,570.90	1,641.76	-1,184.66	2,024.55	0.00	0.00	0.00
9,450.00	91.08	324.19	7,570.33	1,666.09	-1,202.21	2,054.54	0.00	0.00	0.00
9,480.00	91.08	324.19	7,569.77	1,690.41	-1,219.76	2,084.54	0.00	0.00	0.00
9,510.00	91.08	324.19	7,569.20	1,714.73	-1,237.31	2,114.53	0.00	0.00	0.00
9,540.00	91.08	324.19	7,568.63	1,739.06	-1,254.86	2,144.53	0.00	0.00	0.00
9,570.00	91.08	324.19	7,568.06	1,763.38	-1,272.41	2,174.52	0.00	0.00	0.00
9,600.00	91.08	324.19	7,567.50	1,787.71	-1,289.96	2,204.52	0.00	0.00	0.00
9,630.00	91.08	324.19	7,566.93	1,812.03	-1,307.51	2,234.51	0.00	0.00	0.00
9,660.00	91.08	324.19	7,566.36	1,836.35	-1,325.06	2,264.51	0.00	0.00	0.00
9,690.00	91.08	324.19	7,565.80	1,860.68	-1,342.62	2,294.50	0.00	0.00	0.00
9,720.00	91.08	324.19	7,565.23	1,885.00	-1,360.17	2,324.49	0.00	0.00	0.00
9,750.00	91.08	324.19	7,564.66	1,909.32	-1,377.72	2,354.49	0.00	0.00	0.00
9,780.00	91.08	324.19	7,564.10	1,933.65	-1,395.27	2,384.48	0.00	0.00	0.00
9,810.00	91.08	324.19	7,563.53	1,957.97	-1,412.82	2,414.48	0.00	0.00	0.00
9,840.00	91.08	324.19	7,562.96	1,982.29	-1,430.37	2,444.47	0.00	0.00	0.00
9,870.00	91.08	324.19	7,562.39	2,006.62	-1,447.92	2,474.47	0.00	0.00	0.00
9,900.00	91.08	324.19	7,561.83	2,030.94	-1,465.47	2,504.46	0.00	0.00	0.00
9,930.00	91.08	324.19	7,561.26	2,055.26	-1,483.03	2,534.46	0.00	0.00	0.00
9,960.00	91.08	324.19	7,560.69	2,079.59	-1,500.58	2,564.45	0.00	0.00	0.00
9,990.00	91.08	324.19	7,560.13	2,103.91	-1,518.13	2,594.45	0.00	0.00	0.00
9,996.67	91.08	324.19	7,560.00	2,109.32	-1,522.03	2,601.11	0.00	0.00	0.00

Black Viper Energy

Planning Report

Database: EDM 2003.14 Server Db
Company: BEPCO, L.P.
Project: Eddy Co. New Mexico (Nad 27)
Site: Poker Lake Unit 301H
Well: Poker Lake Unit #301H
Wellbore: Lateral #1
Design: Plan #1a

Local Co-ordinate Reference: Site Poker Lake Unit 301H
TVD Reference: KB Elev @ 3366.00ft (KB Elevation)
MD Reference: KB Elev @ 3366.00ft (KB Elevation)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/misses target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
PBHL#1[PLU#301H]	0.00	0.00	7,560.00	2,109.32	-1,522.03	434,961.37	641,927.86	32° 11' 41.968 N	103° 52' 28.295 W
- plan hits target									
- Point									
LL[PLU#301H]	0.00	0.00	0.00	0.00	0.00	432,852.05	643,449.89	32° 11' 21.030 N	103° 52' 10.688 W
- plan misses by 7122.70ft at 7122.70ft MD (7122.70 TVD, 0.00 N, 0.00 E)									
- Rectangle (sides W2,640.00 H2,640.00 D0.00)									
HL[PLU#301H]	0.00	0.00	0.00	0.00	0.00	432,852.05	643,449.89	32° 11' 21.030 N	103° 52' 10.688 W
- plan misses by 7122.70ft at 7122.70ft MD (7122.70 TVD, 0.00 N, 0.00 E)									
- Rectangle (sides W1,980.00 H1,980.00 D0.00)									

Formations					
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction
(ft)	(ft)			(°)	(°)
	3,936.00	Delaware Sands		0.00	
7,665.83	7,556.00	Lower Brushy Canyon		0.00	

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S	+E/-W	
(ft)	(ft)	(ft)	(ft)	
7,122.70	7,122.70	0.00	0.00	KOP Build 12.00°/100' :: TFO 324.19
7,881.56	7,599.98	394.42	-284.60	EOC Hold 91.08° INC :: 324.19° AZI

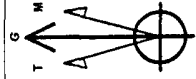


Project: Eddy Co New Mexico (Nad 27)
Site: Poker Lake Unit 301H
Well: Polk Lake Unit #301H
Wellbore Orientation:
Plan Plan #1a (Poker Lake Unit #301H Lateral #1)

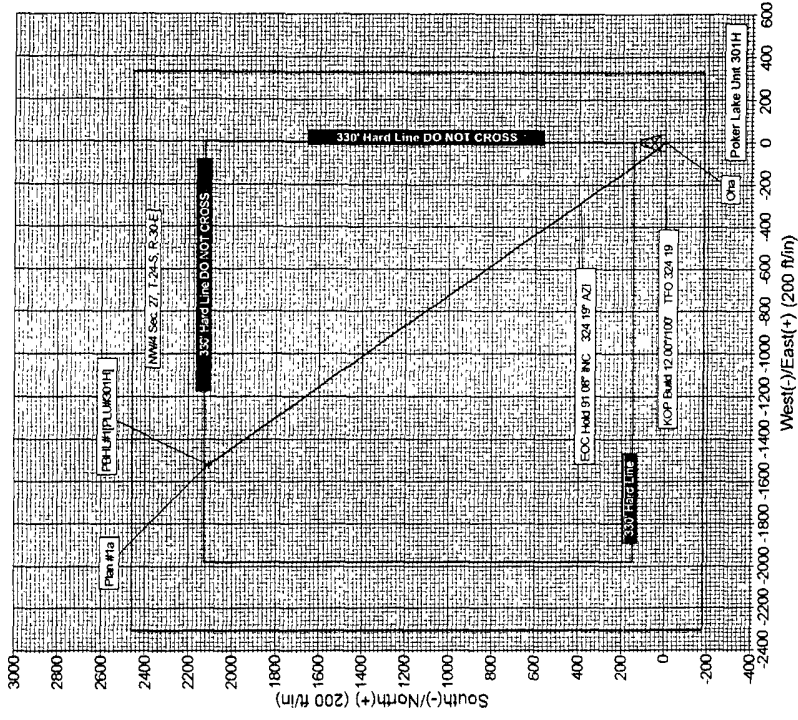
PROJECT DETAILS: Eddy Co New Mexico (Nad 27)
Geographic System: US State Plane 1927 (Eads solution)
Datum: NAD 1927 (NADCON CONUS)
Zone: New Mexico East 3001
System Datum: Ground Level

ANNOTATIONS

TVD MD Annotation
7122.70 KOP Build 12.007/100' TFO 324.19
7599.98 91.08 EOC Hold 91.08' INC. 324.19' AZI

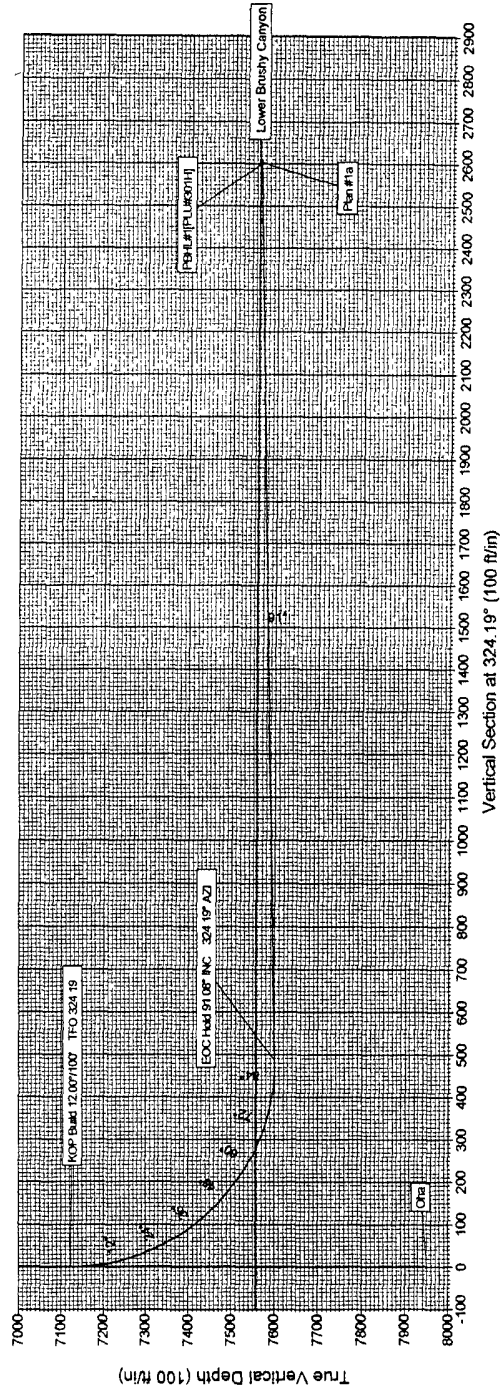


Adjustments to Grid North
True North: -0.25°
Magnetic North: 7.78°
Magnetic Field
Strength: 48851.4nT
Dip Angle: 60.18°
Date: 10/24/2008
Model: IGRF200510



SECTION DETAILS

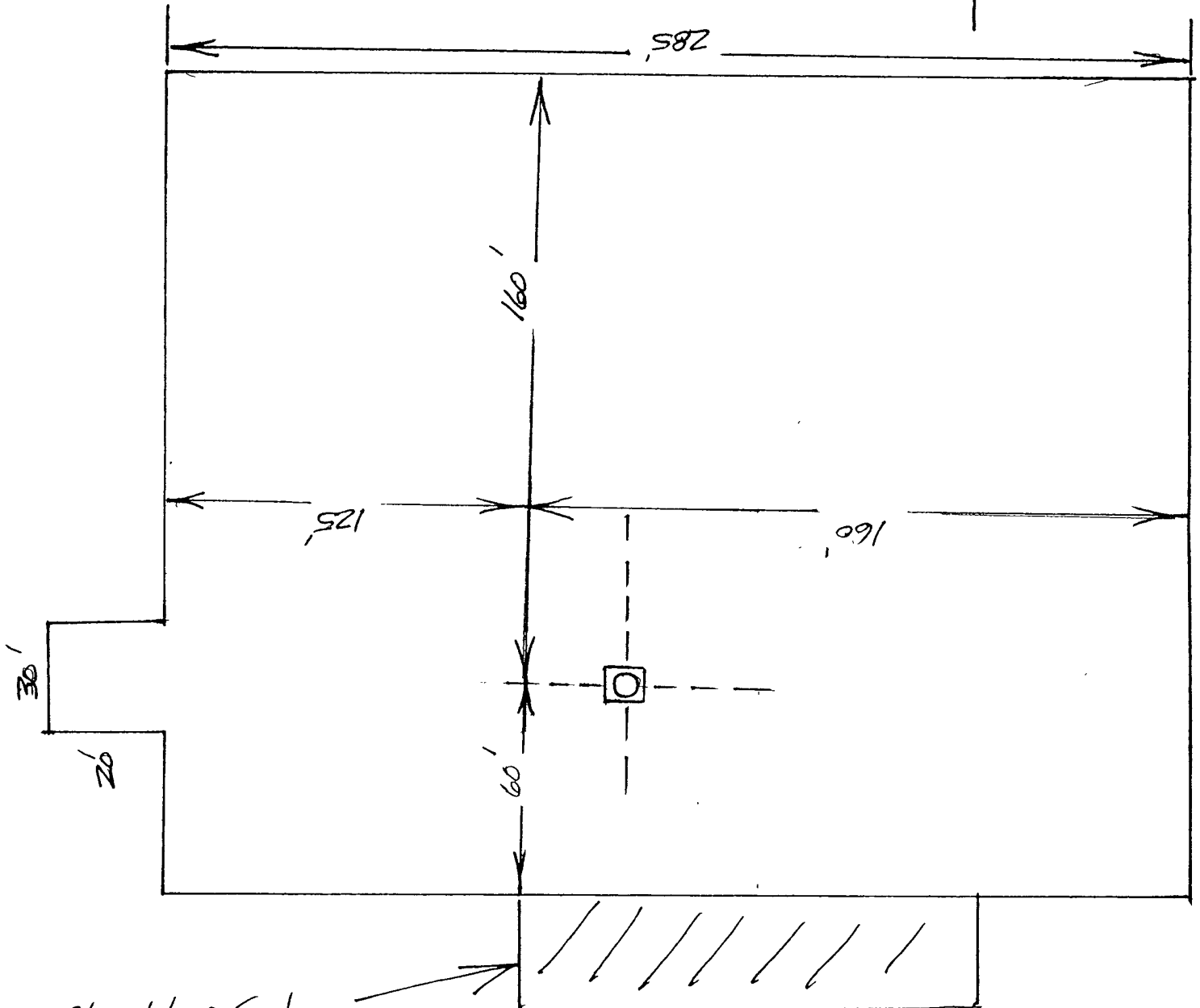
Sec	MD	Inc	Azi	TVD	+NLS	+ELEV	Flag	TFace	VSec	Target
1	7122.70	0.00	0.00	7122.70	0.00	0.00	0.00	0.00	0.00	0.00
2	7881.56	91.08	324.19	7599.98	394.42	-284.60	12.00	32.19	488.51	488.51
3	9996.67	91.08	324.19	7560.00	2109.32	-1522.03	0.00	0.00	2601.11	PBLHJ#1(PLU#301H)



1a

Plan Plan #1a (Poker Lake Unit #301H Lateral #1)
Created By: Heather Vannoy Date: October 31, 2008

JW Rig # 3



Closed Loop System
w/ Haul off bins will be
located in this general
area.

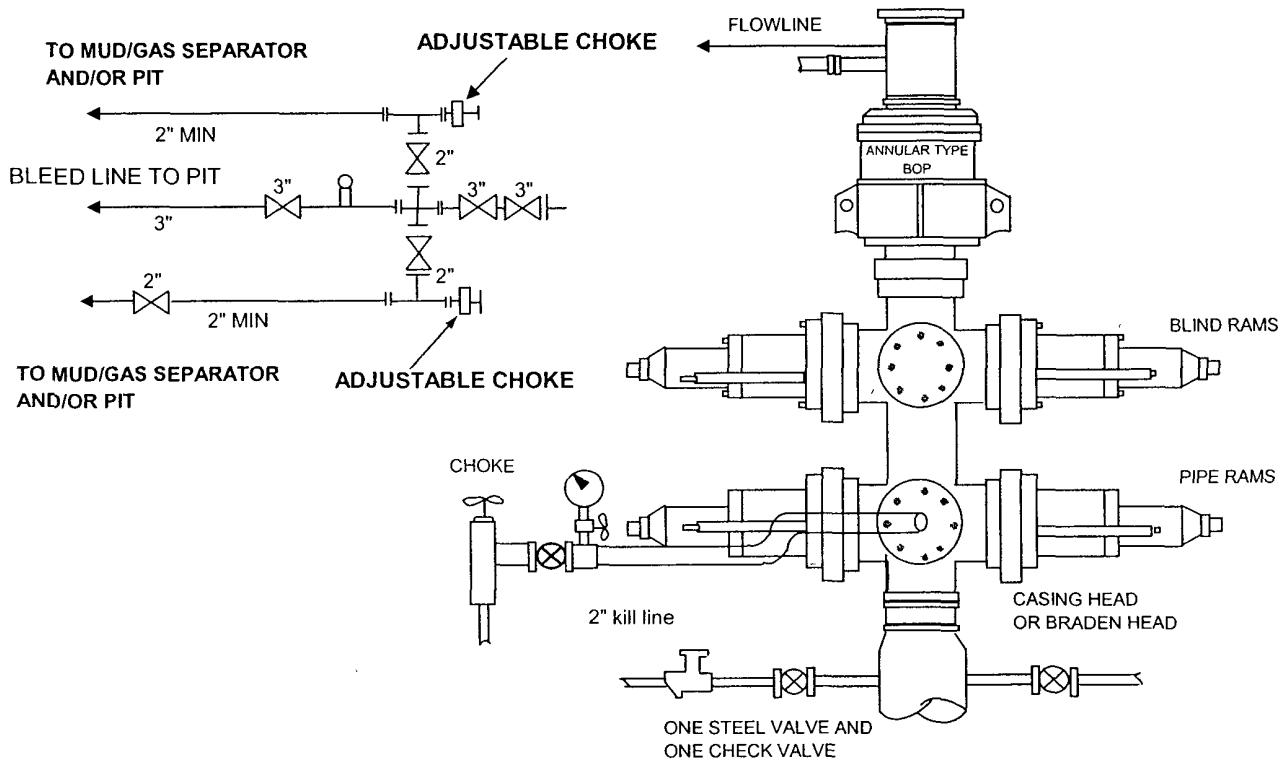
Closed Loop System
No Reserve Pits

Exhibit "D"

BEPCO, L. P.

3-M WP BOPE WITH 3-M WP ANNULAR

3 M CHOKE MANIFOLD EQUIPMENT-CONFIGURATION MAY VARY



THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

- A. One double gate Blowout preventer with lower pipe rams and upper blind rams, 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 BOPs.
- 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. Chokes must be adjustable. Choke spool may be used between rams.

DIAGRAM 2

MULTI-POINT SURFACE USE PLAN

NAME OF WELL: Poker Lake Unit #301H

LEGAL DESCRIPTION - SURFACE: 2460' FNL, 2310' FWL, Section 27, T24S, R30E, Eddy County, NM.
BHL: 330' FNL, 800' FWL, Section 27, T24S, R30E, Eddy County, New Mexico.

POINT 1: EXISTING ROADS

A) Proposed Well Site Location:

See Exhibit "A" & "C".

B) Existing Roads:

From Carlsbad, New Mexico, go 8 miles south on Hwy 285 to Hwy 31. Turn north and go 7 miles on Hwy 31. Turn east on Hwy 128 and go to the junction of Twin Wells and Hwy 128. Turn south for 10 miles to intersection of McDonald & Twin Wells road. Turn west for 0.8 miles, turn north 0.4 miles to location.

C) Existing Road Maintenance or Improvement Plan:

See Exhibit "E"

POINT 2: NEW PLANNED ACCESS ROUTE

A) Route Location:

Approximately 2617' long from the existing lease road.

B) Width

12' wide

C) Maximum Grade

Grade to match existing topography or as per BLM requirements.

D) Turnout Ditches

As required by BLM stipulations

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

Exhibits "A" indicates existing wells within the surrounding area.

POINT 4: LOCATION OF EXISTING OR PROPOSED FACILITIES

Page 2

A) No existing facilities within one mile owned or controlled by lessee/operator.

B) New Facilities in the Event of Production:

New production facilities will be built at Poker Lake Unit #301H well pad. A separator/treater along with 2-7/8" flowline will be located on the wellpad. A 2-7/8" gas line will follow existing roads which have been arch cleared. Initially a gas engine will be used to power pumping unit. See Exhibit "C".

C) Rehabilitation of Disturbed Areas Unnecessary for Production:

Following the construction, those access areas required for continued production will be graded to provide drainage and minimize erosion. The areas unnecessary for use will be graded to blend in with the surrounding topography (see Point 10)

POINT 5: LOCATION AND TYPE OF WATER SUPPLY

A) Location and Type of Water Supply

Fresh water will be hauled from Johnson Station 50 miles east of Carlsbad, New Mexico or other commercial facilities. Brine water will be hauled from commercial facilities.

B) Water Transportation System

Water hauling to the location will be over the existing and proposed roads.

POINT 6: SOURCE OF CONSTRUCTION MATERIALS

A) Materials

On-site caliche will be used. If this is not sufficient, caliche will be hauled from a BLM approved pit.

B) Land Ownership

Federally Owned

C) Materials Foreign to the Site

No construction materials foreign to this area are anticipated for this drill site.

D) Access Roads

See Exhibits "B" & "C".

POINT 7: METHODS FOR HANDLING WASTE MATERIAL

Page 3

A) Cuttings

Cuttings will be contained in the roll off bins and disposed of a CRI.

B) Drilling Fluids

Drilling fluids will be contained in the steel pits, frac tanks and disposed at licensed disposal sites.

C) Produced Fluids

Water production will be contained in the steel pits.

Hydrocarbon fluid or other fluids that may be produced during testing will be retained in test tanks. Prior to cleanup operations, any hydrocarbon material in the reserve pit will be removed by skimming or burning as the situation would dictate.

D) Sewage

Current laws and regulations pertaining to the disposal of human waste will be complied with.

E) Garbage

Portable containers will be utilized for garbage disposal during the drilling of this well.

F) Cleanup of Well Site

Upon release of the drilling rig, the surface of the drilling pad will be graded to accommodate a completion rig if electric log analysis indicate potential productive zones. Reasonable cleanup will be performed prior to the final restoration of the site.

POINT 8: ANCILLARY FACILITIES

None required.

POINT 9: WELL SITE LAYOUT

A) Rig Orientation and Layout

Exhibit "D" shows the dimensions of the well pad, closed loop system, and the location of major rig components. Only minor leveling of the well site will be required. No significant cuts or fills will be necessary.

B) Locations of Access Road

See Exhibits "B" and "C".

C) Lining of the Pits

No reserve pits - closed loop system.

POINT 10: PLANS FOR RESTORATION OF THE SURFACE

A) Reserve Pit Cleanup - Not applicable

The pits will be fenced immediately after construction and shall be maintained until they are backfilled. Previous to backfill operations, any hydrocarbon material on the pits' surfaces shall be removed. The fluids and solids contained in the pits shall be backfilled with soil excavated from the site and soil adjacent to the reserve pits. The restored surface of the pits shall be contoured to prevent impoundment of surface water flow. Water-bars will be constructed as needed to prevent excessive erosion. Topsoil, as available, shall be placed over the restored surface in a uniform layer. The area will be seeded according to the Bureau of Land Management stipulations during the appropriate season following restoration.

B) Restoration Plans - Production Developed

Those areas not required for production will be graded to blend with the surrounding topography. Topsoil, as available, will be placed upon those areas and seeded. The portion of the site required for production will be graded to minimize erosion and provide access during inclement conditions. Following depletion and abandonment of the site, restoration procedures will be those that follow under Item C.

C) Restoration Plans - No Production Developed

With no production developed, the entire surface disturbed by construction of the well site will be restored. The site will be contoured to blend with the surrounding topography and provide drainage of surface water. The topsoil, as available, shall be replaced in a uniform layer and seeded according to the Bureau of Land Management's stipulations.

D) Rehabilitation's Timetable

Upon completion of drilling operations, the initial cleanup of the site will be performed as soon as weather and site conditions allow economic execution of the work.

POINT 11: OTHER INFORMATION

Page 5

A) Terrain

Slightly rolling hills.

B) Soil

Caliche and sand.

C) Vegetation

Sparse, primarily grasses and mesquite with very little grass.

D) Surface Use

Primarily grazing.

E) Surface Water

There are no ponds, lakes, streams or rivers within several miles of the wellsite.

F) Water Wells

There are five existing water wells approximately 1-1/2 miles away from the proposed well. There is one existing water well in the SW quarter of section 21, and four water wells in the SW/SE quarters of section 23. (See Exhibit "A")

G) Residences and Buildings

None in the immediate vicinity.

H) Historical Sites

None observed.

I) Archeological Resources

A search of BLM records by Boone Archeological indicate no known archeological sites will be impacted by these drilling operations. Any location or construction conflicts will be resolved before construction begins.

J) Surface Ownership

The well site is on federally owned land. There will be no new access roads required for this location.

K) Well signs will be posted at the drilling site.

L) Open Pits

All pits containing liquid or mud will be fenced and bird-netted.

POINT 12: OPERATOR'S FIELD REPRESENTATIVE

Page 6

(Field personnel responsible for compliance with development plan for surface use).

DRILLING

William R. Dannels
Box 2760
Midland, Texas 79702
(432) 683-2277

PRODUCTION

Dean Clemmer
3104 East Green Street
Carlsbad, New Mexico 88220
(575) 887-7329

Steve Johnson
Box 2760
Midland, Texas 79702
(432) 683-2277

11/4/08
Date

GEG/mac

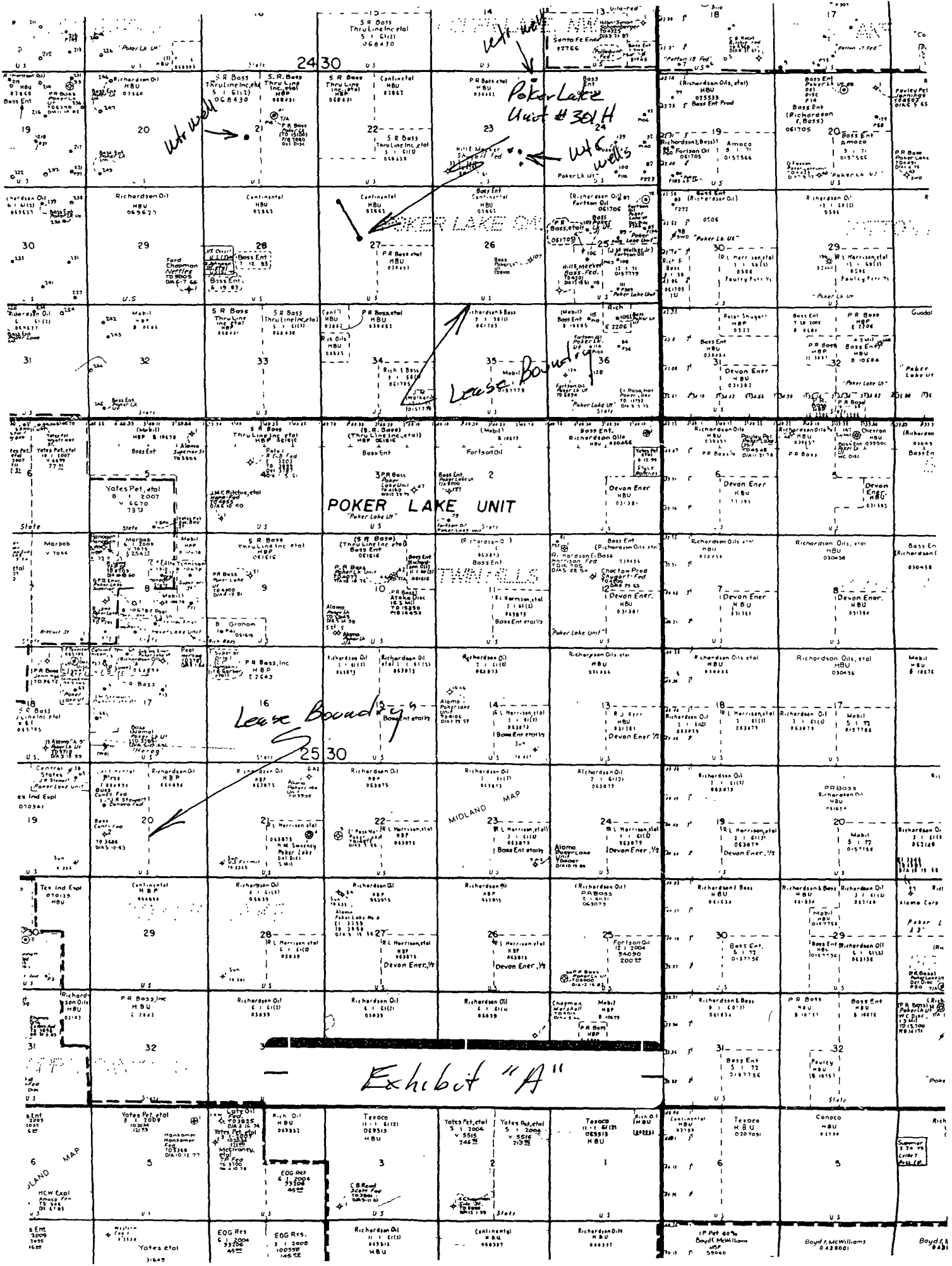
Gary E. Gerhard
Gary E. Gerhard

OPERATOR CERTIFICATION

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 currently exist; that the statements made in the plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by BOPCO, L.P. and it's contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

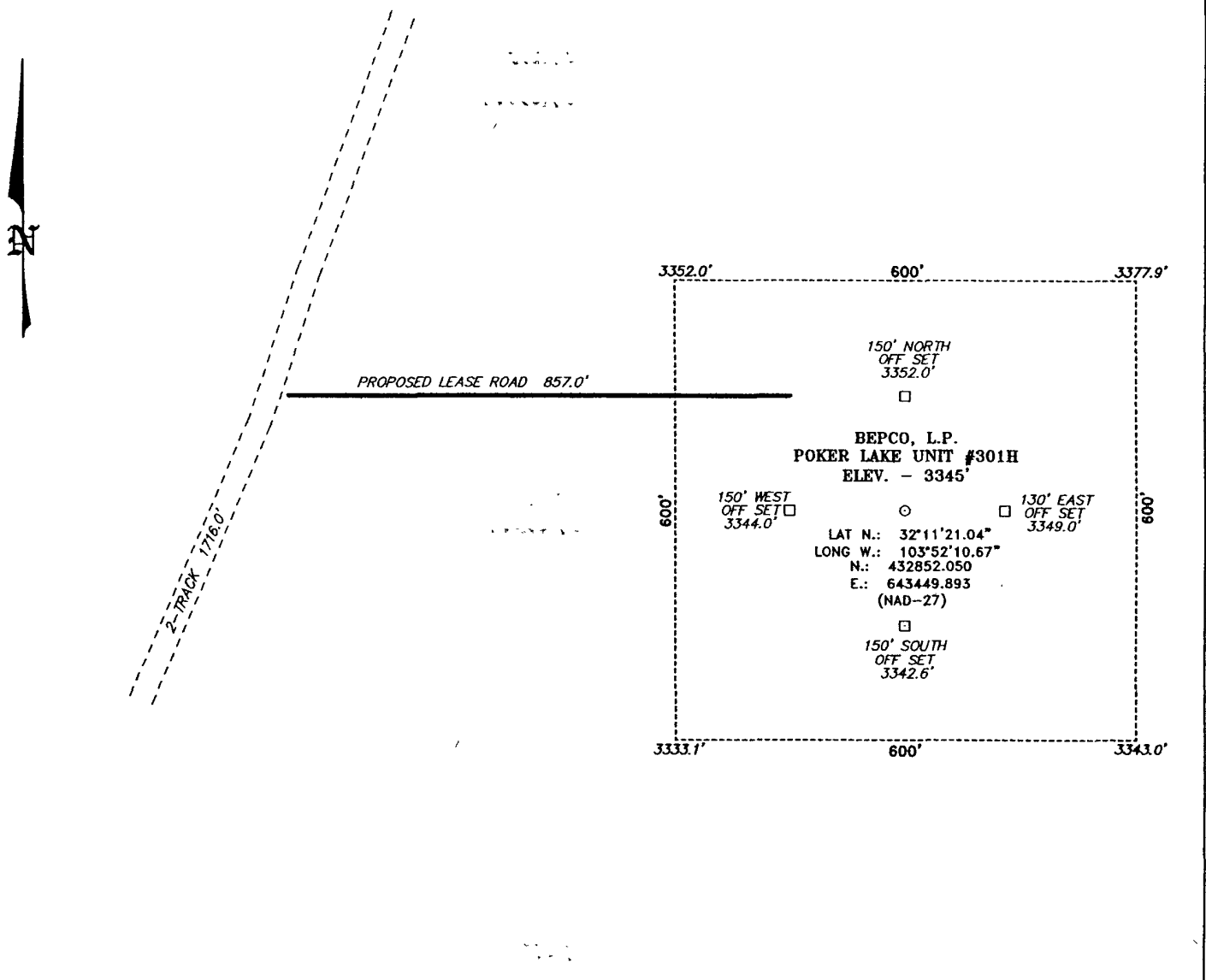
11/4/08
Date

Gary E. Gerhard
Gary E. Gerhard

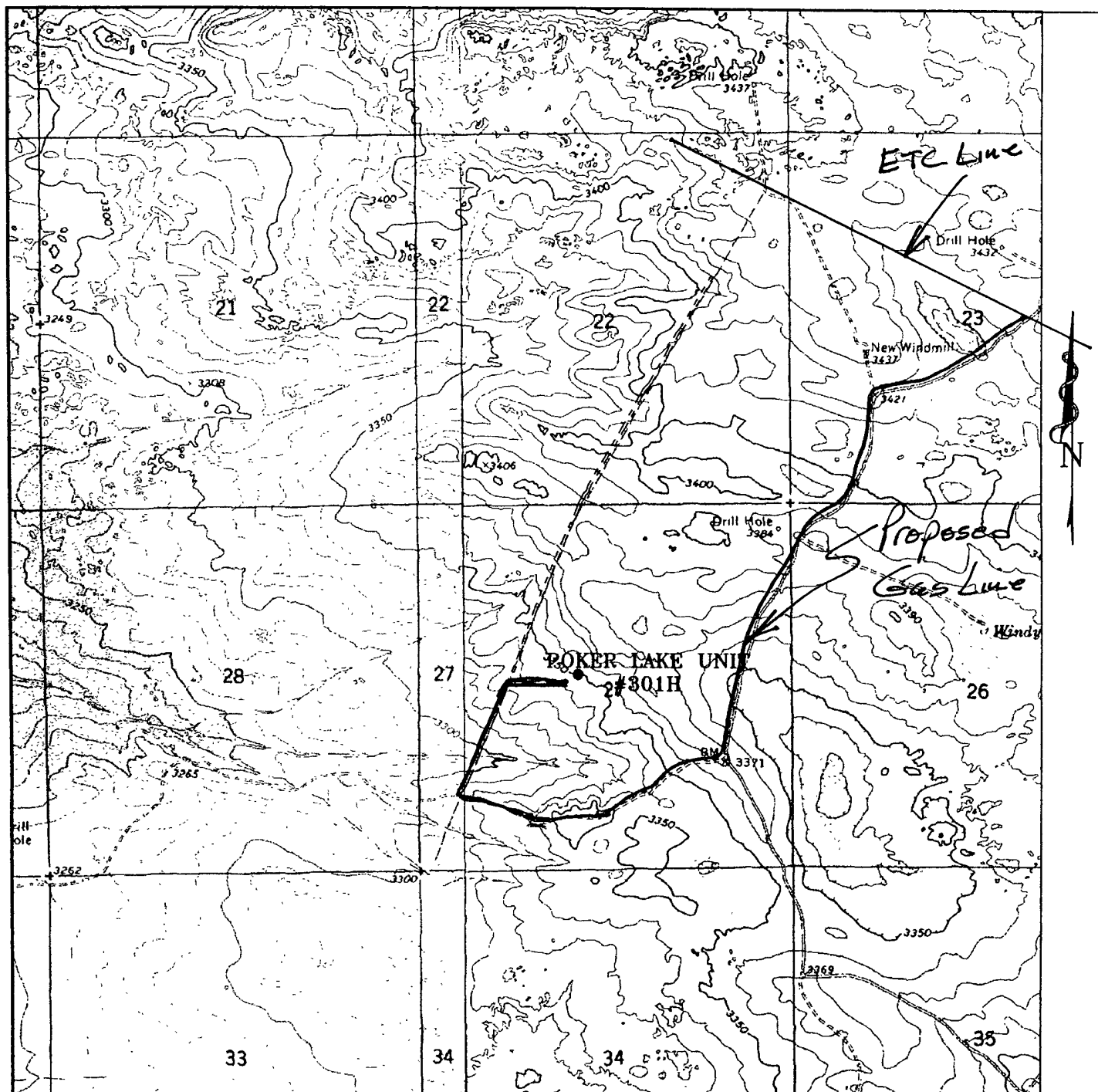


Poker Lake Unit #301-H
Exhibit B

SECTION 27, TOWNSHIP 24 SOUTH, RANGE 30 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



Poker Lake Unit #301-H
Exhibit C



POKER LAKE UNIT #301H
2460' FNL and 2310' FWL
Section 27, Township 24 South, Range 30 East,
N.M.P.M., Eddy County, New Mexico.

PECOS DISTRICT CONDITIONS OF APPROVAL

OPERATOR'S NAME:	BOPCO LP
LEASE NO.:	NM02862
WELL NAME & NO.:	301h Poker Lake Unit
SURFACE HOLE FOOTAGE:	2460' FNL & 2310' FWL
BOTTOM HOLE FOOTAGE:	330' FNL & 800' FWL
LOCATION:	Section 27, T. 24 S., R 30 E., NMPM
COUNTY:	Eddy County, New Mexico

TABLE OF CONTENTS

Standard Conditions of Approval (COA) apply to this APD. If any deviations to these standards exist or special COAs are required, the section with the deviation or requirement will be checked below.

- ☐ **General Provisions**
- ☐ **Permit Expiration**
- ☐ **Archaeology, Paleontology, and Historical Sites**
- ☐ **Noxious Weeds**
- ☒ **Special Requirements**
 - Reporting
- ☒ **Construction**
 - V-Door**
 - Notification
 - Topsoil
 - Reserve Pit
 - Federal Mineral Material Pits
 - Well Pads
 - Roads
- ☐ **Road Section Diagram**
- ☒ **Drilling**
 - Cave/karst
 - Pilot hole
- ☐ **Production (Post Drilling)**
 - Well Structures & Facilities
- ☐ **Interim Reclamation**
- ☐ **Final Abandonment/Reclamation**

I. GENERAL PROVISIONS

The approval of the Application For Permit To Drill (APD) is in compliance with all applicable laws and regulations: 43 Code of Federal Regulations 3160, the lease terms, Onshore Oil and Gas Orders, Notices To Lessees, New Mexico Oil Conservation Division (NMOCD) Rules, National Historical Preservation Act As Amended, and instructions and orders of the Authorized Officer. Any request for a variance shall be submitted to the Authorized Officer on Form 3160-5, Sundry Notices and Report on Wells.

II. PERMIT EXPIRATION

If the permit terminates prior to drilling and drilling cannot be commenced within 60 days after expiration, an operator is required to submit Form 3160-5, Sundry Notices and Reports on Wells, requesting surface reclamation requirements for any surface disturbance. However, if the operator will be able to initiate drilling within 60 days after the expiration of the permit, the operator must have set the conductor pipe in order to allow for an extension of 60 days beyond the expiration date of the APD. (Filing of a Sundry Notice is required for this 60 day extension.)

III. ARCHAEOLOGICAL, PALEONTOLOGY & HISTORICAL SITES

Any cultural and/or paleontological resource discovered by the operator or by any person working on the operator's behalf shall immediately report such findings to the Authorized Officer. The operator is fully accountable for the actions of their contractors and subcontractors. The operator shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery shall be made by the Authorized Officer to determine the appropriate actions that shall be required to prevent the loss of significant cultural or scientific values of the discovery. The operator shall be held responsible for the cost of the proper mitigation measures that the Authorized Officer assesses after consultation with the operator on the evaluation and decisions of the discovery. Any unauthorized collection or disturbance of cultural or paleontological resources may result in a shutdown order by the Authorized Officer.

IV. NOXIOUS WEEDS

The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes the roads, pads, associated pipeline corridor, and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

V. SPECIAL REQUIREMENT(S)

Reporting

- 1. Subsequent sundries to be filed with drilling details about spud, casing and completion work.**
- 2. Completion report to be sent within 30 days of completion. Completion report to have all items completed.**

VI. CONSTRUCTION

V-DOOR EAST.

A. NOTIFICATION

The BLM shall administer compliance and monitor construction of the access road and well pad. Notify the Carlsbad Field Office at (505) 234-5972 at least 3 working days prior to commencing construction of the access road and/or well pad.

When construction operations are being conducted on this well, the operator shall have the approved APD and Conditions of Approval (COA) on the well site and they shall be made available upon request by the Authorized Officer.

B. TOPSOIL

The operator shall stockpile the topsoil of the well pad. The topsoil to be stripped is approximately 8 inches in depth. The topsoil shall not be used to backfill the reserve pit and will be used for interim and final reclamation.

C. RESERVE PITS

Tanks are required for drilling operations: No Pits.

The operator shall properly dispose of drilling contents at an authorized disposal site.

D. FEDERAL MINERAL MATERIALS PIT

If the operator elects to surface the access road and/or well pad, mineral materials extracted during construction of the reserve pit may be used for surfacing the well pad and access road and other facilities on the lease.

Payment shall be made to the BLM prior to removal of any additional federal mineral materials from any site other than the reserve pit. Call the Carlsbad Field Office at (505) 234-5972.

E. WELL PAD SURFACING

Surfacing of the well pad is not required.

If the operator elects to surface the well pad, the surfacing material may be required to be removed at the time of reclamation.

The well pad shall be constructed in a manner which creates the smallest possible surface disturbance, consistent with safety and operational needs.

F. ON LEASE ACCESS ROADS

Road Width

The access road shall have a driving surface that creates the smallest possible surface disturbance and does not exceed fourteen (14) feet in width. The maximum width of surface disturbance, when constructing the access road, shall not exceed thirty (30) feet.

Surfacing

Surfacing material is not required on the new access road driving surface. If the operator elects to surface the new access road or pad, the surfacing material may be required to be removed at the time of reclamation.

Where possible, no improvements should be made on the unsurfaced access road other than to remove vegetation as necessary, road irregularities, safety issues, or to fill low areas that may sustain standing water.

The Authorized Officer reserves the right to require surfacing of any portion of the access road at any time deemed necessary. Surfacing may be required in the event the road deteriorates, erodes, road traffic increases, or it is determined to be beneficial for future field development. The surfacing depth and type of material will be determined at the time of notification.

Crowning

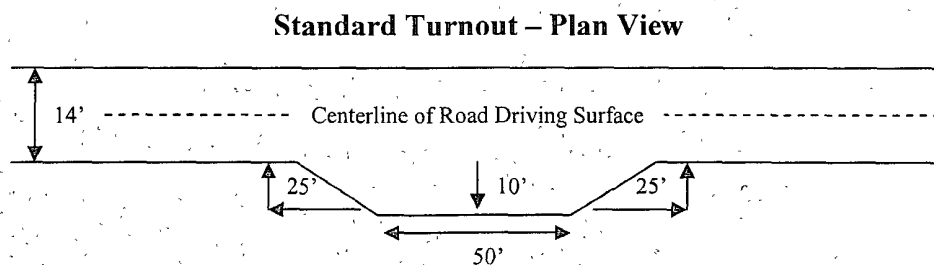
Crowning shall be done on the access road driving surface. The road crown shall have a grade of approximately 2% (i.e., a 1" crown on a 14' wide road). The road shall conform to Figure 1; cross section and plans for typical road construction.

Ditching

Ditching shall be required on both sides of the road.

Turnouts

Vehicle turnouts shall be constructed on the road. Turnouts shall be intervisible with interval spacing distance less than 1000 feet. Turnouts shall be constructed on all blind curves. Turnouts shall conform to the following diagram:

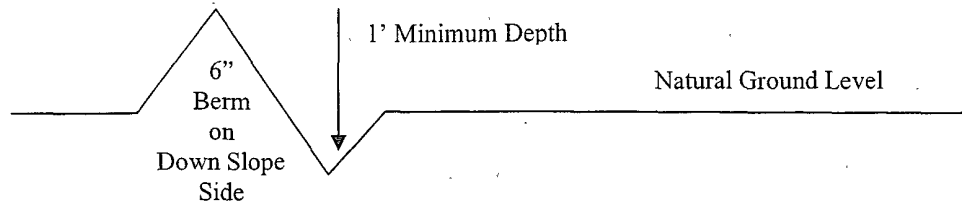


Drainage

Drainage control systems shall be constructed on the entire length of road (e.g. ditches, sidehill outsloping and insloping, lead-off ditches, culvert installation, and low water crossings).

A typical lead-off ditch has a minimum depth of 1 foot below and a berm of 6 inches above natural ground level. The berm shall be on the down-slope side of the lead-off ditch.

Cross Section of a Typical Lead-off Ditch



All lead-off ditches shall be graded to drain water with a 1 percent minimum to 3 percent maximum ditch slope. The spacing interval are variable for lead-off ditches and shall be determined according to the formula for spacing intervals of lead-off ditches, but may be amended depending upon existing soil types and centerline road slope (in %);

Formula for Spacing Interval of Lead-off Ditches

Example - On a 4% road slope that is 400 feet long, the water flow shall drain water into a lead-off ditch. Spacing interval shall be determined by the following formula:

$$400 \text{ foot road with } 4\% \text{ road slope: } \frac{400'}{4\%} + 100' = 200' \text{ lead-off ditch interval}$$

Culvert Installations

Appropriately sized culvert(s) shall be installed at the deep waterway channel flow crossing.

Cattleguards

An appropriately sized cattleguard(s) sufficient to carry out the project shall be installed and maintained at fence crossing(s).

Any existing cattleguard(s) on the access road shall be repaired or replaced if they are damaged or have deteriorated beyond practical use. The operator shall be responsible for

the condition of the existing cattleguard(s) that are in place and are utilized during lease operations.

A gate shall be constructed and fastened securely to H-braces.

Fence Requirement

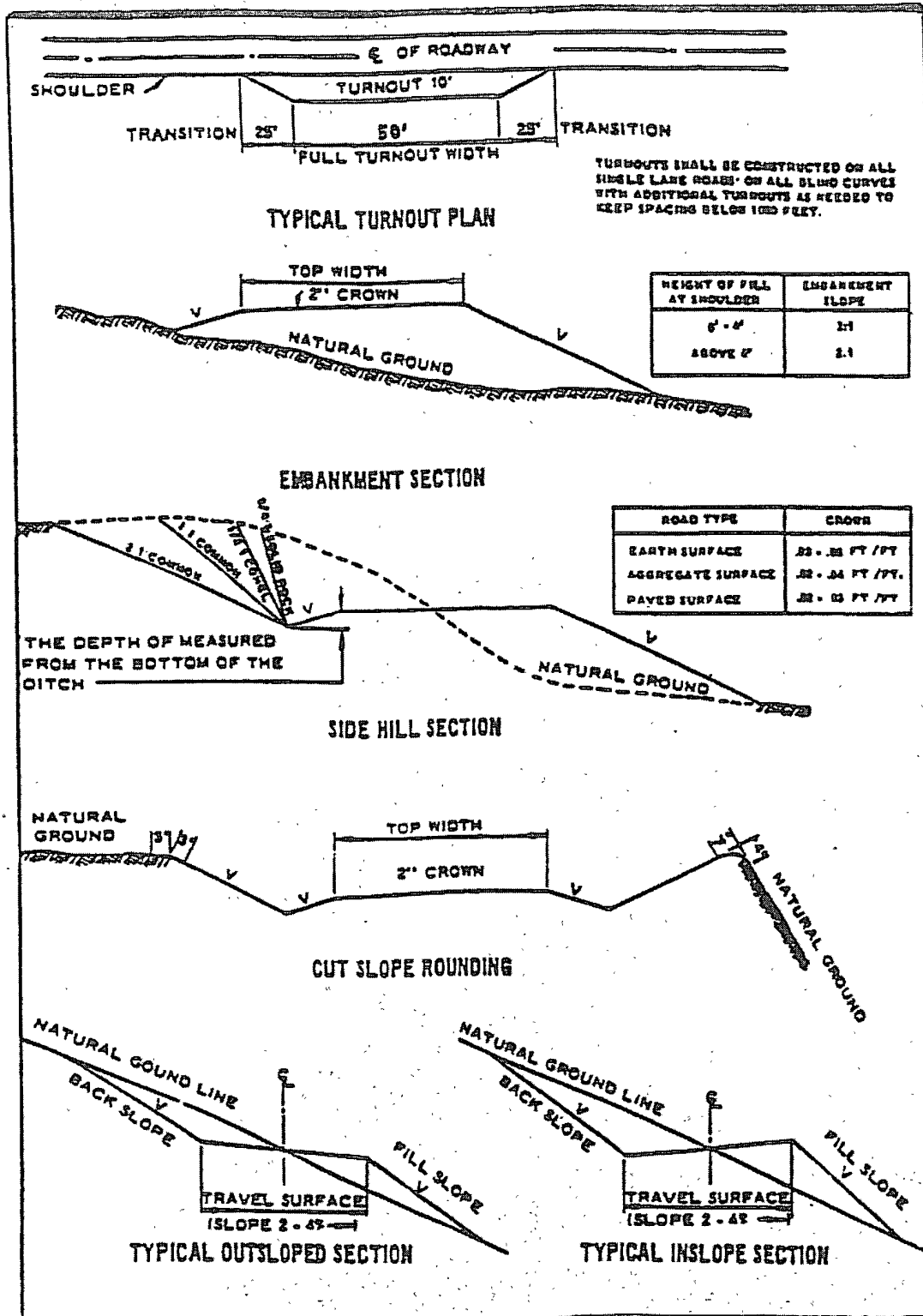
Where entry is required across a fence line, the fence shall be braced and tied off on both sides of the passageway prior to cutting.

The operator shall notify the private surface landowner or the grazing allotment holder prior to crossing any fence(s).

Public Access

Public access on this road shall not be restricted by the operator without specific written approval granted by the Authorized Officer.

Figure 1 – Cross Sections and Plans For Typical Road Sections



VII. DRILLING

A. DRILLING OPERATIONS REQUIREMENTS

The BLM is to be notified a minimum of 4 hours in advance for a representative to witness:

- a. Spudding well
- b. Setting and/or Cementing of all casing strings
- c. BOPE tests

☒ **Eddy County**

Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220,
(575) 361-2822

1. **Although Hydrogen Sulfide has not been reported in the area, it is always a potential hazard. If Hydrogen Sulfide is encountered, please report measured amounts and formations to the BLM.**
2. 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.
3. Floor controls are required for 3M or Greater systems. These 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.

B. CASING

Changes to the approved APD casing and cement program require submitting a sundry and receiving approval prior to work. Failure to obtain approval prior to work will result in an Incident of Non-Compliance being issued.

Centralizers required on surface casing per Onshore Order 2.III.B.1.f.

Wait on cement (WOC) time for a primary cement job will be a minimum 18 hours for a water basin, 24 hours in the potash area, or 500 pounds compressive strength, whichever is greater for all casing strings. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. See individual casing strings for details regarding lead cement slurry requirements.

No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

Medium cave/karst.

Possible lost circulation in the Delaware and Bone Spring formations.

1. The 13-3/8 inch surface casing shall be set at approximately **555 feet (a minimum of 25 feet into the Rustler Anhydrite and above the salt)** and cemented to the surface. **Fresh water mud to setting depth, brine water below.**
 - a. 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.
 - b. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry.**
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.
2. The minimum required fill of cement behind the 9-5/8 inch intermediate casing is:
☒ Cement to surface. If cement does not circulate see B.1.a, c-d above. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst.**

If 75% or greater lost circulation occurs while drilling the intermediate casing hole, the cement on the production casing must come to surface.

Pilot hole to be plugged from TD of pilot hole to kick off point. If this is not done, a 180' plug is to be set and tagged. Notify BLM about tag and record in subsequent sundry.

Centralizers required on horizontal leg, must be type for horizontal service and minimum of one every other joint.

3. The minimum required fill of cement behind the 5-1/2 inch production casing is:
☒ Cement should tie-back at least **500** feet into previous casing string. Operator shall provide method of verification.

4. If hardband 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.

C. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
2. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **2000 (2M)** psi.
3. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the **9-5/8"** intermediate casing shoe shall be **3000 (3M)** psi.
4. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. The tests shall be done by an independent service company.
 - b. The results of the test shall be reported to the appropriate BLM office.
 - c. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
 - d. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug.
 - e. **Effective November 1, 2008, no variances will be granted on reduced pressure tests on the surface casing and BOP/BOPE. Onshore Order 2 requirements will be in effect.**

D. DRILL STEM TEST

If drill stem tests are performed, Onshore Order 2.III.D. shall be followed.

WWI 122408

VIII. PRODUCTION (POST DRILLING)

A. WELL STRUCTURES & FACILITIES

Placement of Production Facilities

Production facilities should be placed on the well pad to allow for maximum interim recontouring and revegetation of the well location.

Containment Structures

The containment structure shall be constructed to hold the capacity of the entire contents of the largest tank, plus 24 hour production, unless more stringent protective requirements are deemed necessary by the Authorized Officer.

Painting Requirement

All above-ground structures including meter housing that are not subject to safety requirements shall be painted a flat non-reflective paint color
Shale Green, Munsell Soil Color Chart # 5Y 4/2

IX. INTERIM RECLAMATION & RESERVE PIT CLOSURE

A. INTERIM RECLAMATION

If the well is a producer, interim reclamation shall be conducted on the well site in accordance with the orders of the Authorized Officer. The operator shall submit a Sundry Notices and Reports on Wells (Notice of Intent), Form 3160-5, prior to conducting interim reclamation.

During the life of the development, all disturbed areas not needed for active support of production operations should undergo interim reclamation in order to minimize the environmental impacts of development on other resources and uses.

The operators should work with BLM surface management specialists to devise the best strategies to reduce the size of the location. Any reductions should allow for remedial well operations, as well as safe and efficient removal of oil and gas.

During reclamation, the removal of caliche is important to increasing the success of revegetating the site. Removed caliche may be used for road repairs, fire walls or for building other roads and locations. In order to operate the well or complete workover operations, it may be necessary to drive, park and operate on restored interim vegetation within the previously disturbed area. Disturbing revegetated areas for production or workover operations will be allowed. If there is significant disturbance and loss of vegetation, the area will need to be revegetated. Communicate with the appropriate BLM office for any exceptions/exemptions if needed.

Seed Mixture 2, for Sandy Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law (s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed* per acre:

<u>Species</u>	<u>lb/acre</u>
Sand dropseed (<i>Sporobolus cryptandrus</i>)	1.0
Sand love grass (<i>Eragrostis trichodes</i>)	1.0
Plains bristlegrass (<i>Setaria macrostachya</i>)	2.0

*Pounds of pure live seed:

Pounds of seed x percent purity x percent germination = pounds pure live seed
(Insert Seed Mixture Here)

X. FINAL ABANDONMENT & REHABILITATION REQUIREMENTS

Upon abandonment of the well and/or when the access road is no longer in service the Authorized Officer shall issue instructions and/or orders for surface reclamation and restoration of all disturbed areas.

On private surface/federal mineral estate land the reclamation procedures on the road and well pad shall be accomplished in accordance with the private surface land owner agreement.