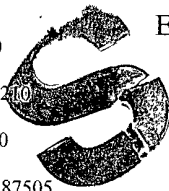


District I
7625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505



State of New Mexico
Energy, Minerals & Natural Resources

Form C-101
May 27, 2004

Oil Conservation Division **SEP 28 2007** Submit to appropriate District Office
1220 S. St. Francis Dr. **OCD-ARTESIA**
Santa Fe, NM 87505 ☐ AMENDED REPORT

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

¹ Operator Name and Address Nearburg Producing Company 3300 N A St., Bldg 2, Ste 120, Midland, TX 79705		² OGRID Number 015742
		³ API Number 30- 15-30816
⁴ Property Code 25073	⁵ Property Name B & B	⁶ Well No. 11 H
⁹ Proposed Pool 1 North Seven Rivers; Glorieta/ Yeso		¹⁰ Proposed Pool 2

⁷ Surface Location

UL or lot no	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
P	22	19S	25E		660	South	990	East	Eddy

⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
I	22	19S	25E		2310	South	970	East	Eddy

Additional Well Location

¹¹ Work Type Code Plugback	¹² Well Type Code 0	¹³ Cable/Rotary	¹⁴ Lease Type Code State	¹⁵ Ground Level Elevation 3449
¹⁶ Multiple N	¹⁷ Proposed Depth 8120	¹⁸ Formation Glorieta/ Yeso	¹⁹ Contractor Mesa	²⁰ Spud Date 10/15/07
Depth to ground water		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic ☐ _____ mls thick Clay ☐ Pit Volume _____ bbls Drilling Method:				
Closed-Loop System ☐ Fresh Water ☐ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐				

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
14-3/4	9-5/8	36 & 40	1109	1100	NA
8-3/4	7	23# & 26#	8120	275	NA
All csg is existing					

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Propose to plugback and horizontal drill the well to evaluate the Glorita/ Yeso formation. Perf, test and stimulate as necessary to establish production.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒ a general permit ☐ , or an (attached) alternative OCD-approved plan ☐ . Signature:		OIL CONSERVATION DIVISION	
Printed name: Sarah Jordan		Approved by: BRYAN G. ARANT	
Title: Production Analyst		Title: DISTRICT II GEOLOGIST	
E-mail Address: sjordan@nearburg.com		Approval Date: OCT 29 2007	Expiration Date: OCT 29 2008
Date:	Phone: 432/686-8235 x 203	Conditions of Approval: Attached ☒	

DISTRICT I

1625 N. FRENCH DR., HOBBS, NM 88240

State of New Mexico

Energy, Minerals and Natural Resources Department

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

OIL CONSERVATION DIVISION

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

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code 97565	Pool Name N Seven River, Gloria/Upo
Property Code	Property Name B & B 22	Well Number 11H
OGRID No. 015742	Operator Name NEARBURG PRODUCING COMPANY	Elevation 3449'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	22	19-S	25-E		660	SOUTH	990	EAST	EDDY

Bottom Hole Location If Different From Surface

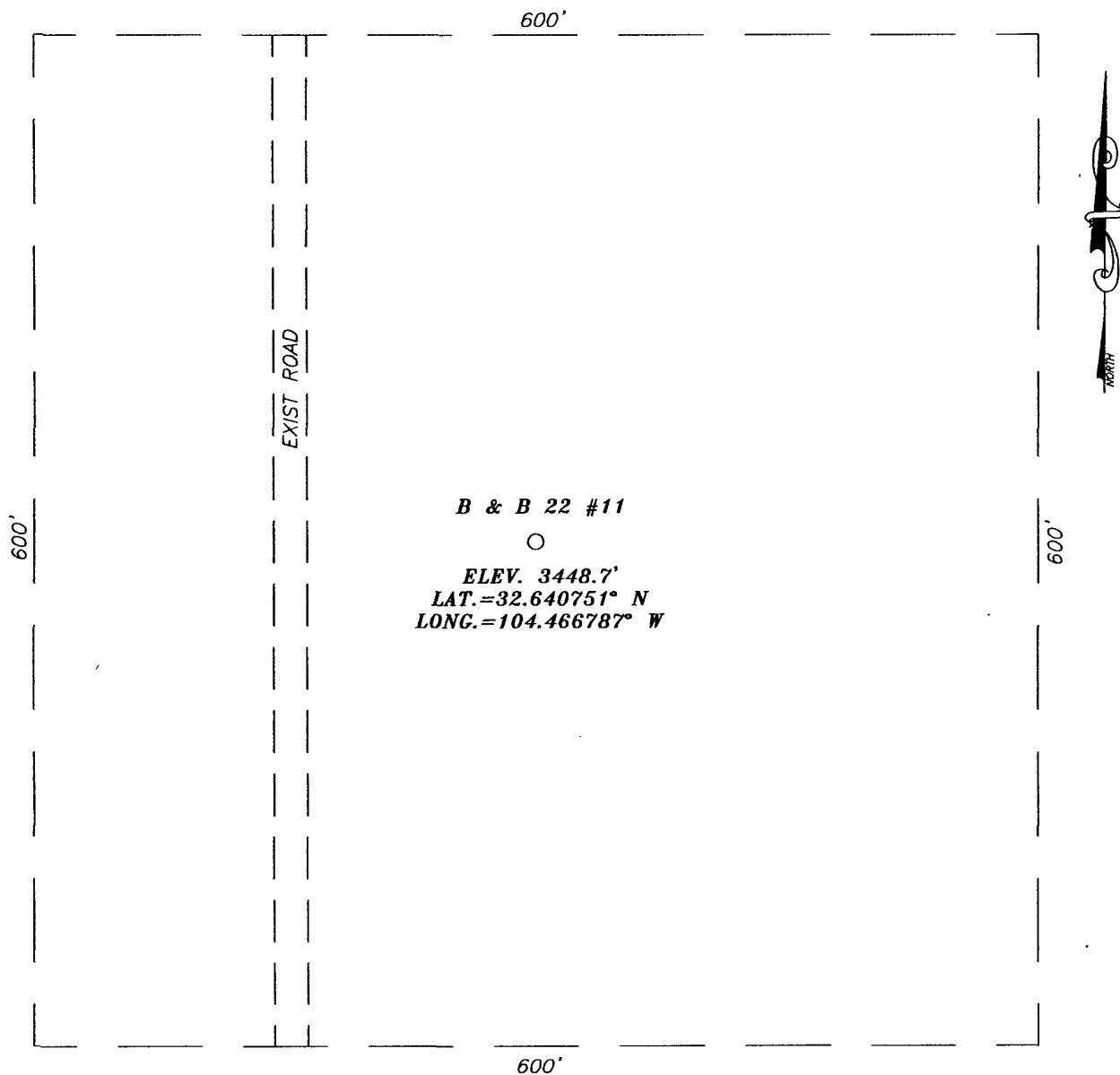
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	22	19-S	25-E		2310	SOUTH	970	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
80			

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

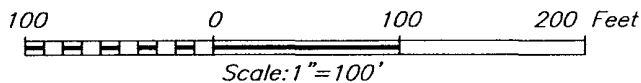
BOTTOM HOLE Y=598491.4 N X=458946.0 E GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=596842.3 N X=458920.2 E LAT.=32.640751° N LONG.=104.466787° W	OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <i>[Signature]</i> Date: <i>[Date]</i> Printed Name: <i>[Name]</i>
	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date Surveyed: REV. 02/23/07 JR Signature & Seal of Professional Surveyor: <i>[Signature]</i> Certificate No. GARY EIDSON 12841

SECTION 22, TOWNSHIP 19 SOUTH, RANGE 25 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO



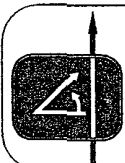
DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF ST. HWY. #285 AND CO. RD. #21 (ROCKIN-R-RED RD.), GO WEST ON CO. RD. #21 APPROX. 4.3 MILES. TURN LEFT AND GO SOUTH APPROX. 0.4 MILES. TURN RIGHT AND GO WEST APPROX. 0.3 MILES. TURN LEFT AND GO SOUTH APPROX. 0.4 MILES. TURN LEFT AND GO EAST APPROX. 0.4 MILES. TURN RIGHT AND GO SOUTH APPROX. 0.1 MILE. THIS LOCATION IS APPROX. 150 FEET EAST.



NEARBURG PRODUCING COMPANY

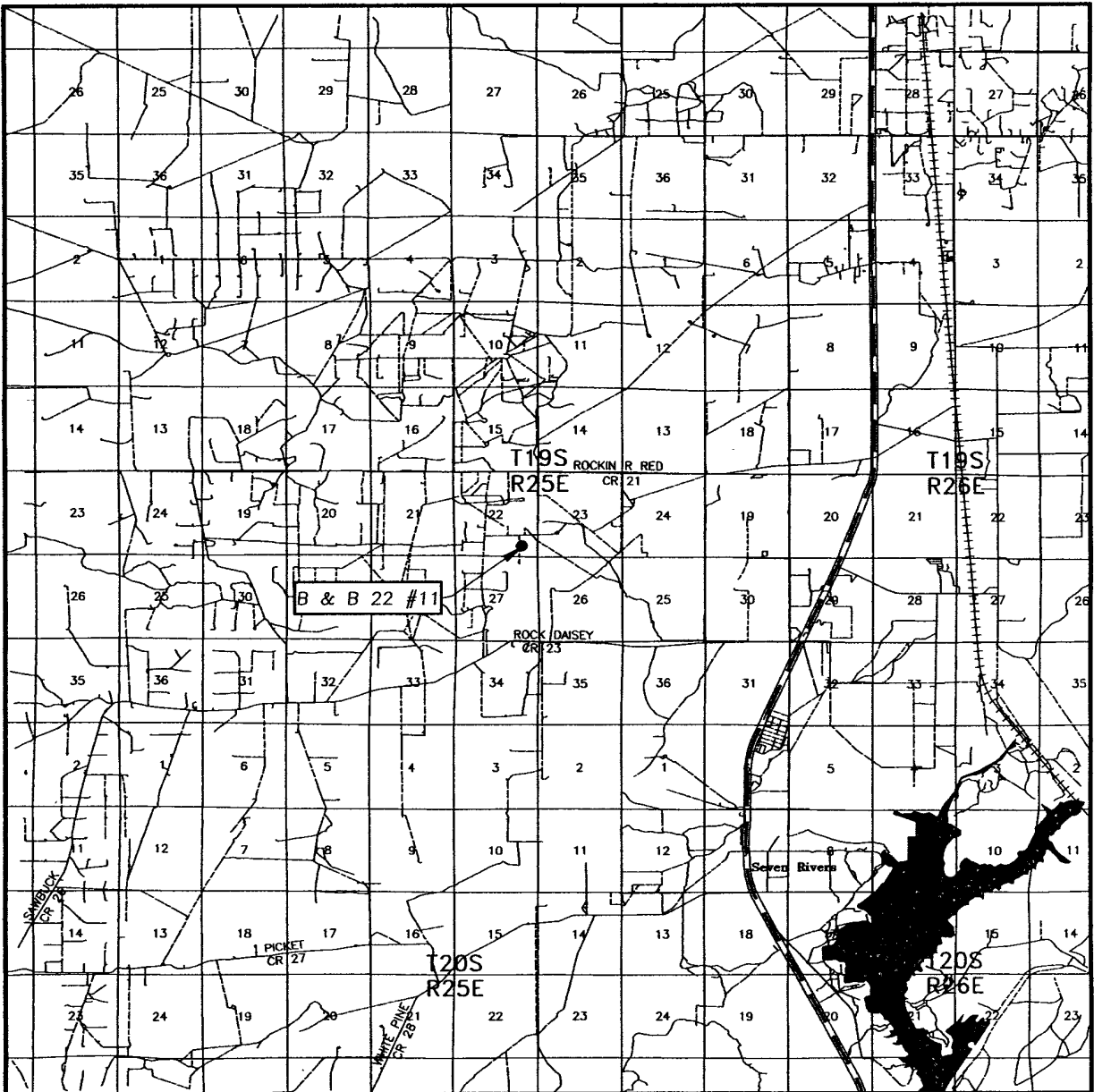
B & B 22 #11 WELL
 LOCATED 660 FEET FROM THE SOUTH LINE
 AND 990 FEET FROM THE EAST LINE OF SECTION 22,
 TOWNSHIP 19 SOUTH, RANGE 25 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO.



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

Survey Date: 01/31/07	Sheet 1 of 1 Sheets
W.O. Number: 07.11.0137	Dr By: J.R.
Date: 01/03/07	Rev 1: N/A
Disk: CD#7	07110137
	Scale: 1"=100'

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 22 TWP. 19-S RGE. 25-E

SURVEY N.M.P.M.

COUNTY EDDY STATE NEW MEXICO

DESCRIPTION 660' FSL & 990' FEL

ELEVATION 3449'

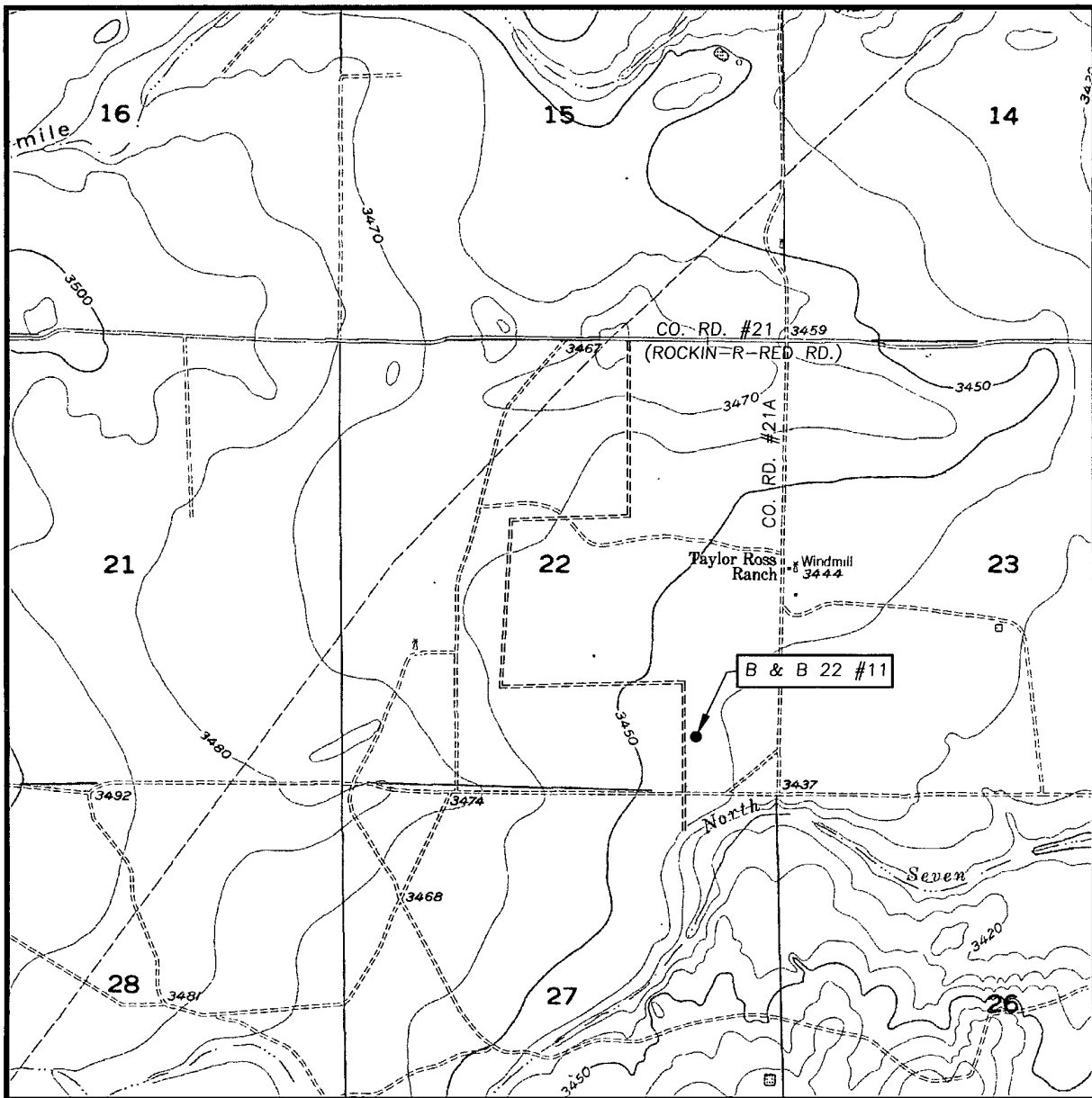
NEARBURG
OPERATOR PRODUCING COMPANY

LEASE B & B 22



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

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
DAYTON, N.M. - 10'

SEC. 22 TWP. 19-S RGE. 25-E

SURVEY N.M.P.M.

COUNTY EDDY STATE NEW MEXICO

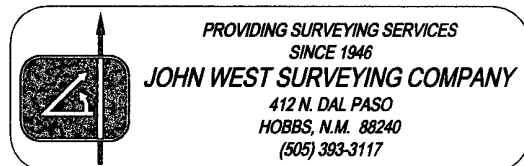
DESCRIPTION 660' FSL & 990' FEL

ELEVATION 3449'

OPERATOR NEARBURG
PRODUCING COMPANY

LEASE B & B 22

U.S.G.S. TOPOGRAPHIC MAP
DAYTON, N.M.

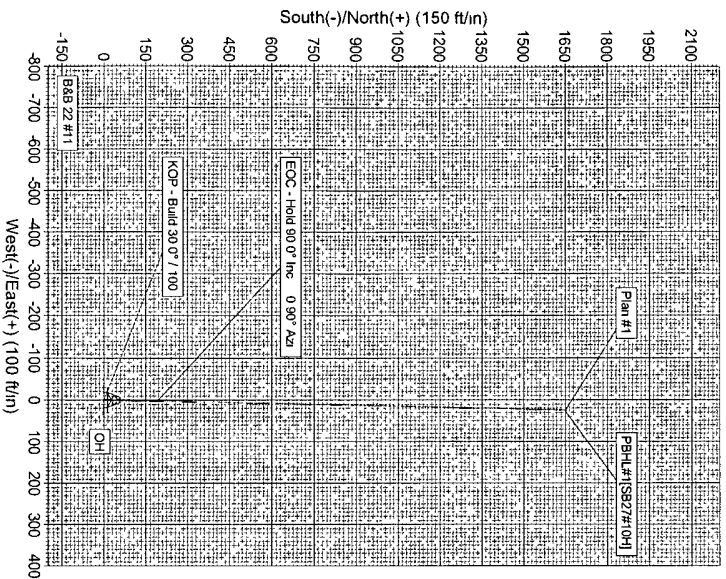


NEARBURG PRODUCTION

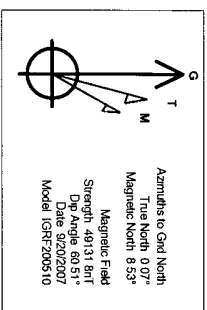
Project Eddy County, NM
Site B&B 22 #11
Well B&B 22 #11
Well B&B 22 #11
Plan Plan #1 (B&B 22 #11 Lateral #1)



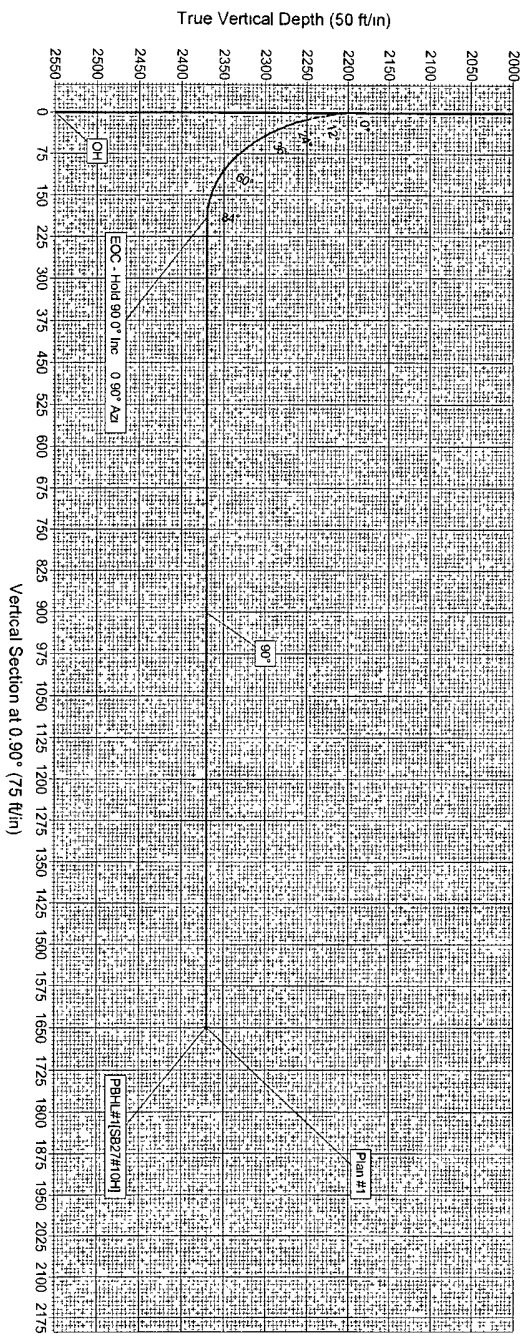
ANNOTATIONS			
TVD	2179.01	MD Annotation	KOP - Build 30.0' / 100
2370.00	2479.01	EOC - Hold 90.0' Inc.	0.90° Azi



PROJECT DETAILS Eddy County, NM
Geologic System US State Plate 1927 (East section)
Datum: NAD 83 (NAD 83 CONUS)
Zone: New Mexico East 3001
System Datum: Ground Level



SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TTrace	VSec Target
1	2179.00	0.00	0.00	2179.00	0.00	0.00	0.00	0.00	0.00
2	2179.01	0.00	0.00	2179.01	0.00	0.00	0.00	0.00	0.00
3	2479.01	90.00	0.90	2370.00	190.96	2.89	30.00	0.90	190.99
4	3357.53	90.00	0.90	2370.00	1649.10	23.80	0.00	0.00	1649.30



Plan Plan #1 (B&B 22 #11 Lateral #1)
Created by: L.D. Burton Date: September 20, 2007

Nearburg Producing Co.

Eddy County, NM.

B&B 22 #11

B&B 22 #11

Lateral #1

Plan: Plan #1

Standard Survey Report

20 September, 2007



Black Viper Energy

Survey Report



Company:	Nearburg Producing Co	Local Co-ordinate Reference:	Site B&B 22 #11
Project:	Eddy County, NM.	TVD Reference:	WELL @ 3449.00ft (Original Well Elev)
Site:	B&B 22 #11	MD Reference:	WELL @ 3449.00ft (Original Well Elev)
Well:	B&B 22 #11	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM 2003.14.1.0 Server DB

Project	Eddy County, NM.		
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	B&B 22 #11		
Site Position:		Northing:	596,842.30 ft
From:	Map	Easting:	458,920.20 ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	32° 38' 26.692 N
		Longitude:	104° 28' 0.445 W
		Grid Convergence:	-0.07 °

Well	B&B 22 #11		
Well Position	+N/-S	0.00 ft	Northing:
	+E/-W	0.00 ft	Easting:
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	32° 38' 26.692 N
		Longitude:	104° 28' 0.445 W
		Ground Level:	0.00 ft

Wellbore	Lateral #1		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF200510	9/20/2007	8.45
			Dip Angle
			(°)
			Field Strength
			(nT)
			60.51
			49,132

Design	Plan #1		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth:
			2,179.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	0.00	0.00	0.00
			Direction
			(°)
			0.90

Survey Tool Program	Date	9/20/2007		
From	To	Survey (Wellbore)	Tool Name	Description
(ft)	(ft)			
2,179.00	3,937.33	Plan #1 (Lateral #1)	MWD	MWD - Standard

Planned Survey									
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Vertical Section	Dogleg Rate	Build Rate	Turn Rate
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)
2,179.01	0.00	0.00	2,179.01	0.00	0.00	0.00	0.00	0.00	0.00
KOP - Build 30.0° / 100									
2,190.00	3.30	0.90	2,189.99	0.32	0.00	0.32	29.99	29.99	0.00
2,200.00	6.30	0.90	2,199.96	1.15	0.02	1.15	30.00	30.00	0.00
2,210.00	9.30	0.90	2,209.86	2.51	0.04	2.51	30.00	30.00	0.00
2,220.00	12.30	0.90	2,219.69	4.38	0.07	4.38	30.00	30.00	0.00
2,230.00	15.30	0.90	2,229.40	6.76	0.11	6.77	30.00	30.00	0.00
2,240.00	18.30	0.90	2,238.97	9.65	0.15	9.65	30.00	30.00	0.00
2,250.00	21.30	0.90	2,248.38	13.04	0.20	13.04	30.00	30.00	0.00
2,260.00	24.30	0.90	2,257.59	16.91	0.26	16.92	30.00	30.00	0.00
2,270.00	27.30	0.90	2,266.60	21.26	0.33	21.27	30.00	30.00	0.00
2,280.00	30.30	0.90	2,275.36	26.08	0.41	26.08	30.00	30.00	0.00
2,290.00	33.30	0.90	2,283.86	31.35	0.49	31.35	30.00	30.00	0.00

Black Viper Energy

Survey Report



Company:	Nearburg Producing Co.	Local Co-ordinate Reference:	Site B&B 22 #11
Project:	Eddy County, NM.	TVD Reference:	WELL @ 3449.00ft (Original Well Elev)
Site:	B&B 22 #11	MD Reference:	WELL @ 3449 00ft (Original Well Elev)
Well:	B&B 22 #11	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM 2003.14.1.0 Server DB

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)	
2,300.00	36.30	0.90	2,292.07	37.05	0.58	37.06	30.00	30.00	0.00	
2,310.00	39.30	0.90	2,299.97	43.18	0.68	43.18	30.00	30.00	0.00	
2,320.00	42.30	0.90	2,307.54	49.71	0.78	49.72	30.00	30.00	0.00	
2,330.00	45.30	0.90	2,314.76	56.63	0.89	56.64	30.00	30.00	0.00	
2,340.00	48.30	0.90	2,321.60	63.92	1.00	63.93	30.00	30.00	0.00	
2,350.00	51.30	0.90	2,328.06	71.55	1.12	71.56	30.00	30.00	0.00	
2,360.00	54.30	0.90	2,334.10	79.52	1.24	79.53	30.00	30.00	0.00	
2,370.00	57.30	0.90	2,339.72	87.79	1.37	87.80	30.00	30.00	0.00	
2,380.00	60.30	0.90	2,344.90	96.34	1.51	96.35	30.00	30.00	0.00	
2,390.00	63.30	0.90	2,349.63	105.15	1.65	105.16	30.00	30.00	0.00	
2,400.00	66.30	0.90	2,353.89	114.19	1.79	114.21	30.00	30.00	0.00	
2,410.00	69.30	0.90	2,357.67	123.45	1.93	123.46	30.00	30.00	0.00	
2,420.00	72.30	0.90	2,360.95	132.89	2.08	132.91	30.00	30.00	0.00	
2,430.00	75.30	0.90	2,363.74	142.49	2.23	142.51	30.00	30.00	0.00	
2,440.00	78.30	0.90	2,366.03	152.22	2.38	152.24	30.00	30.00	0.00	
2,450.00	81.30	0.90	2,367.80	162.06	2.54	162.08	30.00	30.00	0.00	
2,460.00	84.30	0.90	2,369.05	171.98	2.69	172.00	30.00	30.00	0.00	
2,470.00	87.30	0.90	2,369.79	181.95	2.85	181.98	30.00	30.00	0.00	
2,479.01	90.00	0.90	2,370.00	190.96	2.99	190.98	30.00	30.00	0.00	
EOC - Hold 90.0° Inc. :: 0.90° Azi.										
2,500.00	90.00	0.90	2,370.00	211.95	3.32	211.97	0.01	0.01	0.00	
2,600.00	90.00	0.90	2,370.00	311.93	4.88	311.97	0.00	0.00	0.00	
2,700.00	90.00	0.90	2,370.00	411.92	6.44	411.97	0.00	0.00	0.00	
2,800.00	90.00	0.90	2,370.00	511.91	8.01	511.97	0.00	0.00	0.00	
2,900.00	90.00	0.90	2,370.00	611.90	9.57	611.97	0.00	0.00	0.00	
3,000.00	90.00	0.90	2,370.00	711.88	11.14	711.97	0.00	0.00	0.00	
3,100.00	90.00	0.90	2,370.00	811.87	12.70	811.97	0.00	0.00	0.00	
3,200.00	90.00	0.90	2,370.00	911.86	14.27	911.97	0.00	0.00	0.00	
3,300.00	90.00	0.90	2,370.00	1,011.85	15.83	1,011.97	0.00	0.00	0.00	
3,400.00	90.00	0.90	2,370.00	1,111.84	17.39	1,111.97	0.00	0.00	0.00	
3,500.00	90.00	0.90	2,370.00	1,211.82	18.96	1,211.97	0.00	0.00	0.00	
3,600.00	90.00	0.90	2,370.00	1,311.81	20.52	1,311.97	0.00	0.00	0.00	
3,700.00	90.00	0.90	2,370.00	1,411.80	22.09	1,411.97	0.00	0.00	0.00	
3,800.00	90.00	0.90	2,370.00	1,511.79	23.65	1,511.97	0.00	0.00	0.00	
3,900.00	90.00	0.90	2,370.00	1,611.77	25.22	1,611.97	0.00	0.00	0.00	
3,937.33	90.00	0.90	2,370.00	1,649.10	25.80	1,649.30	0.00	0.00	0.00	
PBHL#1[SB27#10H]										

Black Viper Energy
Survey Report



Company:	Nearburg Producing Co.	Local Co-ordinate Reference:	Site B&B 22 #11
Project:	Eddy County, NM.	TVD Reference:	WELL @ 3449.00ft (Original Well Elev)
Site:	B&B 22 #11	MD Reference:	WELL @ 3449.00ft (Original Well Elev)
Well:	B&B 22 #11	North Reference:	Gnd
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM 2003.14.1.0 Server DB

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
PBHL#1[SB27#10H]	0.00	0.00	2,370.00	1,649.10	25.80	598,491.40	458,946.00	32° 38' 43.011 N	104° 28' 0.168 W
- plan hits target									
- Point									

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S	+E/-W	
(ft)	(ft)	(ft)	(ft)	
2,179.01	2,179.01	0.00	0.00	KOP - Build 30.0° / 100
2,479.01	2,370.00	190.96	2.99	EOC - Hold 90.0° Inc. 0.90° Azi.

Checked By: _____ Approved By: _____ Date: _____

Company:
Wellbore
Wellbore Type:

Nearburg Production
Lateral #1
Horizontal

County:
Well Name:

Eddy County, New Mexico
B & B 22 #1H



	Measured Depth (ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
Reference	0	0	0	0	0	0	0	0
Tie In	2179 01	0	0	2179 01	0	0	0	0
KOP	2190	3 296	0 896	2189 99	0 32	0	0 32	30
Build 30.0°/100	2200	6 296	0 896	2199 96	1 15	0 02	1 15	30
	2210	9 296	0 896	2209 86	2 51	0 04	2 51	30
	2220	12 296	0 896	2219 69	4 38	0 07	4 38	30
	2230	15 296	0 896	2229 4	6 76	0 11	6 77	30
	2240	18 296	0 896	2238 97	9 65	0 15	9 65	30
	2250	21 296	0 896	2248 38	13 04	0 2	13 04	30
	2260	24 296	0 896	2257 59	16 91	0 26	16 92	30
	2270	27 296	0 896	2266 6	21 26	0 33	21 27	30
	2280	30 296	0 896	2275 36	26 08	0 41	26 08	30
	2290	33 296	0 896	2283 86	31 35	0 49	31 35	30
	2300	36 296	0 896	2292 07	37 05	0 58	37 06	30
	2310	39 296	0 896	2299 97	43 18	0 68	43 18	30
	2320	42 296	0 896	2307 54	49 71	0 78	49 72	30
	2330	45 296	0 896	2314 76	56 63	0 89	56 64	30
	2340	48 296	0 896	2321 6	63 92	1	63 93	30
	2350	51 296	0 896	2328 06	71 55	1 12	71 56	30
	2360	54 296	0 896	2334 1	79 52	1 24	79 53	30
	2370	57 296	0 896	2339 72	87 79	1 37	87 8	30
	2380	60 296	0 896	2344 9	96 34	1 51	96 35	30
	2390	63 296	0 896	2349 63	105 15	1 65	105 16	30
	2400	66 296	0 896	2353 89	114 19	1 79	114 21	30
	2410	69 296	0 896	2357 67	123 45	1 93	123 46	30
	2420	72 296	0 896	2360 95	132 89	2 08	132 91	30
	2430	75 296	0 896	2363 74	142 49	2 23	142 51	30
	2440	78 296	0 896	2366 03	152 22	2 38	152 24	30
	2450	81 296	0 896	2367 8	162 06	2 54	162 08	30
	2460	84 296	0 896	2369 05	171 98	2 69	172	30
	2470	87 296	0 896	2369 79	181 95	2 85	181 98	30
EOC	2479 01	90	0 896	2370	190 96	2 99	190 99	30
Hold 90.0° Inc	2500	90	0 896	2370	211 95	3 32	211 97	0
0.90 Azim	2600	90	0 896	2370	311 93	4 88	311 97	0
	2700	90	0 896	2370	411 92	6 44	411 97	0
	2800	90	0 896	2370	511 91	8 01	511 97	0
	2900	90	0 896	2370	611 9	9 57	611 97	0
	3000	90	0 896	2370	711 88	11 14	711 97	0
	3100	90	0 896	2370	811 87	12 7	811 97	0
	3200	90	0 896	2370	911 86	14 27	911 97	0
	3300	90	0 896	2370	1011 85	15 83	1011 97	0
	3400	90	0 896	2370	1111 84	17 39	1111 97	0
	3500	90	0 896	2370	1211 82	18 96	1211 97	0
	3600	90	0 896	2370	1311 81	20 52	1311 97	0
	3700	90	0 896	2370	1411 8	22 09	1411 97	0
	3800	90	0 896	2370	1511 79	23 65	1511 97	0
	3900	90	0 896	2370	1611 77	25 22	1611 97	0
TD	3937 33	90	0 896	2370	1649 1	25 8	1649 3	0

All data are in feet unless otherwise stated. Directions and coordinates are relative to Grid North.
Vertical depths are relative to WELL. Northings and Eastings are relative to Well.

The Dogleg Severity is in Degrees per 100 feet.
Vertical Section is from Slot and calculated along an Azimuth of 0.896° (Grid).

Coordinate System is NAD 1927 (NADCON CONUS) US State Plane 1927 (Exact solution), New Mexico East 3001.
Central meridian is -104.333°.
Grid Convergence at Surface is -0.072°.

Based upon Minimum Curvature type calculations, at a Measured Depth of 3937.33ft.,
the Bottom Hole Displacement is 1649.30ft., in the Direction of 0.896° (Grid).

BB 22 #11 Lateral Plan #1 Report 9-20-07.txt

Nearburg Producing Co.
B&B 22 #11 - Plan #1

Eddy County, NM.
B&B 22 #11

Measured Depth (ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
2180.00	0.296	0.896	2180.00	0.00 N	0.00 E	0.00	0.00
2190.00	3.296	0.896	2189.99	0.32 N	0.00 E	0.32	30.00
2200.00	6.296	0.896	2199.96	1.15 N	0.02 E	1.15	30.00
2210.00	9.296	0.896	2209.86	2.51 N	0.04 E	2.51	30.00
2220.00	12.296	0.896	2219.69	4.38 N	0.07 E	4.38	30.00
2230.00	15.296	0.896	2229.40	6.76 N	0.11 E	6.77	30.00
2240.00	18.296	0.896	2238.97	9.65 N	0.15 E	9.65	30.00
2250.00	21.296	0.896	2248.38	13.04 N	0.20 E	13.04	30.00
2260.00	24.296	0.896	2257.59	16.91 N	0.26 E	16.92	30.00
2270.00	27.296	0.896	2266.60	21.26 N	0.33 E	21.27	30.00
2280.00	30.296	0.896	2275.36	26.08 N	0.41 E	26.08	30.00
2290.00	33.296	0.896	2283.86	31.35 N	0.49 E	31.35	30.00
2300.00	36.296	0.896	2292.07	37.05 N	0.58 E	37.06	30.00
2310.00	39.296	0.896	2299.97	43.18 N	0.68 E	43.18	30.00
2320.00	42.296	0.896	2307.54	49.71 N	0.78 E	49.72	30.00
2330.00	45.296	0.896	2314.76	56.63 N	0.89 E	56.64	30.00
2340.00	48.296	0.896	2321.60	63.92 N	1.00 E	63.93	30.00
2350.00	51.296	0.896	2328.06	71.55 N	1.12 E	71.56	30.00
2360.00	54.296	0.896	2334.10	79.52 N	1.24 E	79.53	30.00
2370.00	57.296	0.896	2339.72	87.79 N	1.37 E	87.80	30.00
2380.00	60.296	0.896	2344.90	96.34 N	1.51 E	96.35	30.00
2390.00	63.296	0.896	2349.63	105.15 N	1.65 E	105.16	30.00
2400.00	66.296	0.896	2353.89	114.19 N	1.79 E	114.21	30.00
2410.00	69.296	0.896	2357.67	123.45 N	1.93 E	123.46	30.00
2420.00	72.296	0.896	2360.95	132.89 N	2.08 E	132.91	30.00
2430.00	75.296	0.896	2363.74	142.49 N	2.23 E	142.51	30.00
2440.00	78.296	0.896	2366.03	152.22 N	2.38 E	152.24	30.00
2450.00	81.296	0.896	2367.80	162.06 N	2.54 E	162.08	30.00
2460.00	84.296	0.896	2369.05	171.98 N	2.69 E	172.00	30.00
2470.00	87.296	0.896	2369.79	181.95 N	2.85 E	181.98	30.00
2480.00	90.000	0.896	2370.00	191.95 N	3.00 E	191.97	27.04
2490.00	90.000	0.896	2370.00	201.95 N	3.16 E	201.97	0.00
2500.00	90.000	0.896	2370.00	211.95 N	3.32 E	211.97	0.00
2510.00	90.000	0.896	2370.00	221.94 N	3.47 E	221.97	0.00
2520.00	90.000	0.896	2370.00	231.94 N	3.63 E	231.97	0.00
2530.00	90.000	0.896	2370.00	241.94 N	3.79 E	241.97	0.00
2540.00	90.000	0.896	2370.00	251.94 N	3.94 E	251.97	0.00
2550.00	90.000	0.896	2370.00	261.94 N	4.10 E	261.97	0.00
2560.00	90.000	0.896	2370.00	271.94 N	4.25 E	271.97	0.00
2570.00	90.000	0.896	2370.00	281.94 N	4.41 E	281.97	0.00
2580.00	90.000	0.896	2370.00	291.94 N	4.57 E	291.97	0.00
2590.00	90.000	0.896	2370.00	301.94 N	4.72 E	301.97	0.00
2600.00	90.000	0.896	2370.00	311.93 N	4.88 E	311.97	0.00
2610.00	90.000	0.896	2370.00	321.93 N	5.04 E	321.97	0.00
2620.00	90.000	0.896	2370.00	331.93 N	5.19 E	331.97	0.00
2630.00	90.000	0.896	2370.00	341.93 N	5.35 E	341.97	0.00
2640.00	90.000	0.896	2370.00	351.93 N	5.51 E	351.97	0.00
2650.00	90.000	0.896	2370.00	361.93 N	5.66 E	361.97	0.00
2660.00	90.000	0.896	2370.00	371.93 N	5.82 E	371.97	0.00
2670.00	90.000	0.896	2370.00	381.93 N	5.98 E	381.97	0.00
2680.00	90.000	0.896	2370.00	391.92 N	6.13 E	391.97	0.00
2690.00	90.000	0.896	2370.00	401.92 N	6.29 E	401.97	0.00
2700.00	90.000	0.896	2370.00	411.92 N	6.44 E	411.97	0.00

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2710.00	90.000	0.896	2370.00	421.92 N	6.60 E	421.97	0.00
2720.00	90.000	0.896	2370.00	431.92 N	6.76 E	431.97	0.00
2730.00	90.000	0.896	2370.00	441.92 N	6.91 E	441.97	0.00
2740.00	90.000	0.896	2370.00	451.92 N	7.07 E	451.97	0.00
2750.00	90.000	0.896	2370.00	461.92 N	7.23 E	461.97	0.00
2760.00	90.000	0.896	2370.00	471.91 N	7.38 E	471.97	0.00
2770.00	90.000	0.896	2370.00	481.91 N	7.54 E	481.97	0.00
2780.00	90.000	0.896	2370.00	491.91 N	7.70 E	491.97	0.00
2790.00	90.000	0.896	2370.00	501.91 N	7.85 E	501.97	0.00
2800.00	90.000	0.896	2370.00	511.91 N	8.01 E	511.97	0.00
2810.00	90.000	0.896	2370.00	521.91 N	8.17 E	521.97	0.00
2820.00	90.000	0.896	2370.00	531.91 N	8.32 E	531.97	0.00
2830.00	90.000	0.896	2370.00	541.91 N	8.48 E	541.97	0.00
2840.00	90.000	0.896	2370.00	551.90 N	8.63 E	551.97	0.00
2850.00	90.000	0.896	2370.00	561.90 N	8.79 E	561.97	0.00
2860.00	90.000	0.896	2370.00	571.90 N	8.95 E	571.97	0.00
2870.00	90.000	0.896	2370.00	581.90 N	9.10 E	581.97	0.00
2880.00	90.000	0.896	2370.00	591.90 N	9.26 E	591.97	0.00
2890.00	90.000	0.896	2370.00	601.90 N	9.42 E	601.97	0.00
2900.00	90.000	0.896	2370.00	611.90 N	9.57 E	611.97	0.00
2910.00	90.000	0.896	2370.00	621.90 N	9.73 E	621.97	0.00
2920.00	90.000	0.896	2370.00	631.89 N	9.89 E	631.97	0.00
2930.00	90.000	0.896	2370.00	641.89 N	10.04 E	641.97	0.00
2940.00	90.000	0.896	2370.00	651.89 N	10.20 E	651.97	0.00
2950.00	90.000	0.896	2370.00	661.89 N	10.36 E	661.97	0.00
2960.00	90.000	0.896	2370.00	671.89 N	10.51 E	671.97	0.00
2970.00	90.000	0.896	2370.00	681.89 N	10.67 E	681.97	0.00
2980.00	90.000	0.896	2370.00	691.89 N	10.82 E	691.97	0.00
2990.00	90.000	0.896	2370.00	701.89 N	10.98 E	701.97	0.00
3000.00	90.000	0.896	2370.00	711.88 N	11.14 E	711.97	0.00
3010.00	90.000	0.896	2370.00	721.88 N	11.29 E	721.97	0.00
3020.00	90.000	0.896	2370.00	731.88 N	11.45 E	731.97	0.00
3030.00	90.000	0.896	2370.00	741.88 N	11.61 E	741.97	0.00
3040.00	90.000	0.896	2370.00	751.88 N	11.76 E	751.97	0.00
3050.00	90.000	0.896	2370.00	761.88 N	11.92 E	761.97	0.00
3060.00	90.000	0.896	2370.00	771.88 N	12.08 E	771.97	0.00
3070.00	90.000	0.896	2370.00	781.88 N	12.23 E	781.97	0.00
3080.00	90.000	0.896	2370.00	791.88 N	12.39 E	791.97	0.00
3090.00	90.000	0.896	2370.00	801.87 N	12.55 E	801.97	0.00
3100.00	90.000	0.896	2370.00	811.87 N	12.70 E	811.97	0.00
3110.00	90.000	0.896	2370.00	821.87 N	12.86 E	821.97	0.00
3120.00	90.000	0.896	2370.00	831.87 N	13.01 E	831.97	0.00
3130.00	90.000	0.896	2370.00	841.87 N	13.17 E	841.97	0.00
3140.00	90.000	0.896	2370.00	851.87 N	13.33 E	851.97	0.00
3150.00	90.000	0.896	2370.00	861.87 N	13.48 E	861.97	0.00
3160.00	90.000	0.896	2370.00	871.87 N	13.64 E	871.97	0.00
3170.00	90.000	0.896	2370.00	881.86 N	13.80 E	881.97	0.00
3180.00	90.000	0.896	2370.00	891.86 N	13.95 E	891.97	0.00
3190.00	90.000	0.896	2370.00	901.86 N	14.11 E	901.97	0.00
3200.00	90.000	0.896	2370.00	911.86 N	14.27 E	911.97	0.00
3210.00	90.000	0.896	2370.00	921.86 N	14.42 E	921.97	0.00
3220.00	90.000	0.896	2370.00	931.86 N	14.58 E	931.97	0.00
3230.00	90.000	0.896	2370.00	941.86 N	14.74 E	941.97	0.00
3240.00	90.000	0.896	2370.00	951.86 N	14.89 E	951.97	0.00
3250.00	90.000	0.896	2370.00	961.85 N	15.05 E	961.97	0.00
3260.00	90.000	0.896	2370.00	971.85 N	15.20 E	971.97	0.00
3270.00	90.000	0.896	2370.00	981.85 N	15.36 E	981.97	0.00
3280.00	90.000	0.896	2370.00	991.85 N	15.52 E	991.97	0.00
3290.00	90.000	0.896	2370.00	1001.85 N	15.67 E	1001.97	0.00
3300.00	90.000	0.896	2370.00	1011.85 N	15.83 E	1011.97	0.00
3310.00	90.000	0.896	2370.00	1021.85 N	15.99 E	1021.97	0.00
3320.00	90.000	0.896	2370.00	1031.85 N	16.14 E	1031.97	0.00
3330.00	90.000	0.896	2370.00	1041.84 N	16.30 E	1041.97	0.00

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3340.00	90.000	0.896	2370.00	1051.84 N	16.46 E	1051.97	0.00
3350.00	90.000	0.896	2370.00	1061.84 N	16.61 E	1061.97	0.00
3360.00	90.000	0.896	2370.00	1071.84 N	16.77 E	1071.97	0.00
3370.00	90.000	0.896	2370.00	1081.84 N	16.93 E	1081.97	0.00
3380.00	90.000	0.896	2370.00	1091.84 N	17.08 E	1091.97	0.00
3390.00	90.000	0.896	2370.00	1101.84 N	17.24 E	1101.97	0.00
3400.00	90.000	0.896	2370.00	1111.84 N	17.39 E	1111.97	0.00
3410.00	90.000	0.896	2370.00	1121.83 N	17.55 E	1121.97	0.00
3420.00	90.000	0.896	2370.00	1131.83 N	17.71 E	1131.97	0.00
3430.00	90.000	0.896	2370.00	1141.83 N	17.86 E	1141.97	0.00
3440.00	90.000	0.896	2370.00	1151.83 N	18.02 E	1151.97	0.00
3450.00	90.000	0.896	2370.00	1161.83 N	18.18 E	1161.97	0.00
3460.00	90.000	0.896	2370.00	1171.83 N	18.33 E	1171.97	0.00
3470.00	90.000	0.896	2370.00	1181.83 N	18.49 E	1181.97	0.00
3480.00	90.000	0.896	2370.00	1191.83 N	18.65 E	1191.97	0.00
3490.00	90.000	0.896	2370.00	1201.82 N	18.80 E	1201.97	0.00
3500.00	90.000	0.896	2370.00	1211.82 N	18.96 E	1211.97	0.00
3510.00	90.000	0.896	2370.00	1221.82 N	19.12 E	1221.97	0.00
3520.00	90.000	0.896	2370.00	1231.82 N	19.27 E	1231.97	0.00
3530.00	90.000	0.896	2370.00	1241.82 N	19.43 E	1241.97	0.00
3540.00	90.000	0.896	2370.00	1251.82 N	19.58 E	1251.97	0.00
3550.00	90.000	0.896	2370.00	1261.82 N	19.74 E	1261.97	0.00
3560.00	90.000	0.896	2370.00	1271.82 N	19.90 E	1271.97	0.00
3570.00	90.000	0.896	2370.00	1281.82 N	20.05 E	1281.97	0.00
3580.00	90.000	0.896	2370.00	1291.81 N	20.21 E	1291.97	0.00
3590.00	90.000	0.896	2370.00	1301.81 N	20.37 E	1301.97	0.00
3600.00	90.000	0.896	2370.00	1311.81 N	20.52 E	1311.97	0.00
3610.00	90.000	0.896	2370.00	1321.81 N	20.68 E	1321.97	0.00
3620.00	90.000	0.896	2370.00	1331.81 N	20.84 E	1331.97	0.00
3630.00	90.000	0.896	2370.00	1341.81 N	20.99 E	1341.97	0.00
3640.00	90.000	0.896	2370.00	1351.81 N	21.15 E	1351.97	0.00
3650.00	90.000	0.896	2370.00	1361.81 N	21.31 E	1361.97	0.00
3660.00	90.000	0.896	2370.00	1371.80 N	21.46 E	1371.97	0.00
3670.00	90.000	0.896	2370.00	1381.80 N	21.62 E	1381.97	0.00
3680.00	90.000	0.896	2370.00	1391.80 N	21.77 E	1391.97	0.00
3690.00	90.000	0.896	2370.00	1401.80 N	21.93 E	1401.97	0.00
3700.00	90.000	0.896	2370.00	1411.80 N	22.09 E	1411.97	0.00
3710.00	90.000	0.896	2370.00	1421.80 N	22.24 E	1421.97	0.00
3720.00	90.000	0.896	2370.00	1431.80 N	22.40 E	1431.97	0.00
3730.00	90.000	0.896	2370.00	1441.80 N	22.56 E	1441.97	0.00
3740.00	90.000	0.896	2370.00	1451.79 N	22.71 E	1451.97	0.00
3750.00	90.000	0.896	2370.00	1461.79 N	22.87 E	1461.97	0.00
3760.00	90.000	0.896	2370.00	1471.79 N	23.03 E	1471.97	0.00
3770.00	90.000	0.896	2370.00	1481.79 N	23.18 E	1481.97	0.00
3780.00	90.000	0.896	2370.00	1491.79 N	23.34 E	1491.97	0.00
3790.00	90.000	0.896	2370.00	1501.79 N	23.50 E	1501.97	0.00
3800.00	90.000	0.896	2370.00	1511.79 N	23.65 E	1511.97	0.00
3810.00	90.000	0.896	2370.00	1521.79 N	23.81 E	1521.97	0.00
3820.00	90.000	0.896	2370.00	1531.78 N	23.96 E	1531.97	0.00
3830.00	90.000	0.896	2370.00	1541.78 N	24.12 E	1541.97	0.00
3840.00	90.000	0.896	2370.00	1551.78 N	24.28 E	1551.97	0.00
3850.00	90.000	0.896	2370.00	1561.78 N	24.43 E	1561.97	0.00
3860.00	90.000	0.896	2370.00	1571.78 N	24.59 E	1571.97	0.00
3870.00	90.000	0.896	2370.00	1581.78 N	24.75 E	1581.97	0.00
3880.00	90.000	0.896	2370.00	1591.78 N	24.90 E	1591.97	0.00
3890.00	90.000	0.896	2370.00	1601.78 N	25.06 E	1601.97	0.00
3900.00	90.000	0.896	2370.00	1611.77 N	25.22 E	1611.97	0.00
3910.00	90.000	0.896	2370.00	1621.77 N	25.37 E	1621.97	0.00
3920.00	90.000	0.896	2370.00	1631.77 N	25.53 E	1631.97	0.00
3930.00	90.000	0.896	2370.00	1641.77 N	25.69 E	1641.97	0.00
3937.33	90.000	0.896	2370.00	1649.10 N	25.80 E	1649.30	0.00

All data are in feet unless otherwise stated. Directions and coordinates are relative to Grid North.

Vertical depths are relative to WELL. Northings and Eastings are relative to well.

The Dogleg Severity is in Degrees per 100 feet.

Vertical Section is from Slot and calculated along an Azimuth of 0.896° (Grid).

Coordinate System is NAD 1927 (NADCON CONUS) US State Plane 1927 (Exact solution), New Mexico East 3001.

Central meridian is -104.333° .

Grid Convergence at Surface is -0.072° .

Based upon Minimum Curvature type calculations, at a Measured Depth of 3937.33ft., the Bottom Hole Displacement is 1649.30ft., in the Direction of 0.896° (Grid).

Arrant, Bryan, EMNRD

From: Arrant, Bryan, EMNRD
Sent: Monday, October 01, 2007 9:47 AM
To: 'Sarah Jordan'
Subject: FW: South Boyd 27 # 10H & B&B # 11H

Hi Sarah,
I'm sorry, but I'll need additional information.
Please submit a before and after well bore diagram.
I see a "proposed and current" well bore diagrams in the well file, but this does not address you proposal for a Glorieta completion.
I need for you to show in detail (for example) the cement plugs, the proposed completion and cementing procedure, etc.
Also, I see in the well file a temperature survey was ran please submit those survey(s).

Thanks again!
Bryan G. Arrant
District II Geologist
New Mexico Oil Conservation Division
1301 West Grand Ave.
Artesia, NM 88210
505-748-1283 Ext. 103

From: Arrant, Bryan, EMNRD
Sent: Monday, October 01, 2007 9:29 AM
To: 'Sarah Jordan'
Subject: South Boyd 27 # 10H & B&B # 11H

Hi Sarah,
In order to further review/and or approve the above APDs, please submit amended C-102s and show the following information:

Note the penetration point of the Glorieta
Outline the project area and producing area.
For more information on this matter, please read through NMOCD Rule 19.15.3.111.

Thanks,

Bryan G. Arrant
District II Geologist
New Mexico Oil Conservation Division
1301 West Grand Ave.
Artesia, NM 88210
505-748-1283 Ext. 103

CC: Well files

10/1/2007

CURRENT WELLBORE DIAGRAM

LEASE:	B & B	WELL:	11	FIELD:	Dagger Draw North	API:	30015308160000
LÖC:	660' FSL and 990' FEL	SEC:	22	BLK:		PARS NO:	
SVY:	T19S, R25E	GL:	3,450'	CTY/ST	Eddy County, NM	SPUD:	2/28/2000
CURRENT STATUS:	Inactive (SI)	KB:	3,465'	DF:		TD DATE:	3/15/2000
						COMP. DATE:	4/7/2000

FRESH WATER
DEPTH:

HOLE SIZE: 14 3/4"
SURF CSG & SIZE: 9 5/8" 36# & 40# J55
SET @: 1,109'
SXS CMT: 1,100 sx
CIRC: yes 166 sx
TOC AT: surface
TOC BY:

COMMENTS:

*****GEOLOGY*****

TOPS OF ALL ZONES
PRODUCTIVE OF HYDRO-
CARBONS:
San Andres:
Glorieta: 2300'
Bone Springs: 3700'
Wolfcamp: 6554'
Canyon: 7680'

CURRENT PERFS:

7,718-33'
7,750-78'
7,800-10'

SQUEEZE JOBS:

TBG: 2 7/8"
JTS: 0
SN:
TAC:
ROD SIZE:

PKR:
TYPE:

perfs 7,718'-7,810'

OH ID:
COTD:
PBTD: 8,054'
TD: 8,120'

PBTD 8,054'

HOLE SIZE: 8 3/4"
PROD. CSG & SIZE: 7" 23# & 26# J55, K55, & N80
SET @: 8,120'
SXS CMT: 275 sx
CIRC: no
TOC AT: 6,550'
TOC BY: TS

OPEN HOLE:

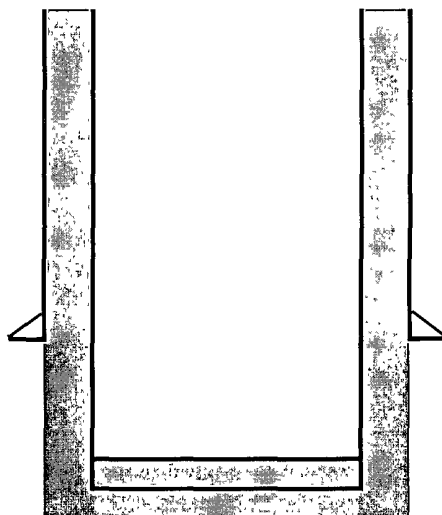
LINER:

BY: MTJ
10/18/2007

CURRENT WELLBORE DIAGRAM

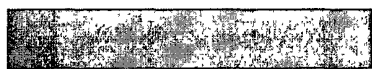
LEASE: <u>B & B</u>	WELL: <u>11</u>	FIELD: <u>Dagger Draw North</u>	API: <u>30015308160000</u>
LOC: <u>660' FSL and 990' FEL</u>	SEC: <u>22</u>	BLK: <u></u>	PARS NO: <u></u>
SVY: <u>T19S, R25E</u>	GL: <u>3,450'</u>	CTY/ST: <u>Eddy County, NM</u>	SPUD: <u>2/28/2000</u>
CURRENT STATUS: <u>PD before Yeso</u>	KB: <u>3,465'</u>	DF: <u></u>	TD DATE: <u>3/15/2000</u>
			COMP. DATE: <u>4/7/2000</u>

FRESH WATER
DEPTH:



HOLE SIZE: 14 3/4"
 SURF CSG & SIZE: 9 5/8" 36# & 40# J55
 SET @: 1,109'
 SXS CMT: 1,100 sx
 CIRC: yes 166 sx
 TOC AT: surface
 TOC BY:

COMMENTS:

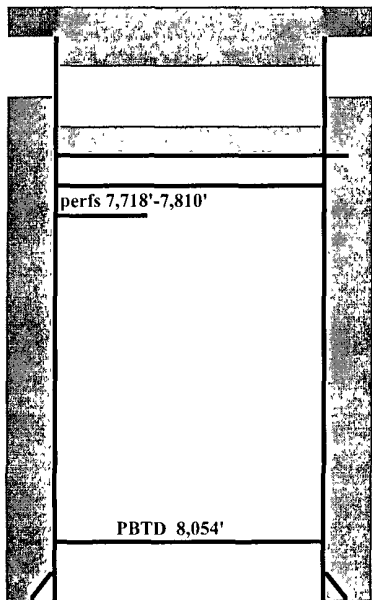


Cmt retainer @ 3,000'
 Bottom of 7" csg 3,050'
 cmt to surface
 Cmt plug t/3,900' t/4,000'

*****GEOLOGY*****

TOPS OF ALL ZONES
 PRODUCTIVE OF HYDRO-
 CARBONS:
 San Andres:
 Glorieta: 2300'
 Bone Springs: 3700'
 Wolfcamp: 6554'
 Canyon: 7680'

TBG: 2 7/8"
 JTS: 0
 SN:
 TAC:
 ROD SIZE:



7" csg stub @ 6,000' w/50' cmt in & above
 TOC - TS - 6,550'
 CIBP @ 7,650' w/35' cmt

CURRENT PERFS:

7,718-33'
 7,750-78'
 7,800-10'

SQUEEZE JOBS:

OH ID:
 COTD:
 PBTD: 8,054'
 TD: 8,120'

HOLE SIZE: 8 3/4"
 PROD. CSG & SIZE: 7" 23# & 26# J55, K55, & N80
 SET @: 8,120'
 SXS CMT: 275 sx
 CIRC: no
 TOC AT: 6,550'
 TOC BY: TS

BY: MTJ
 10/18/2007

OPEN HOLE:

LINER: