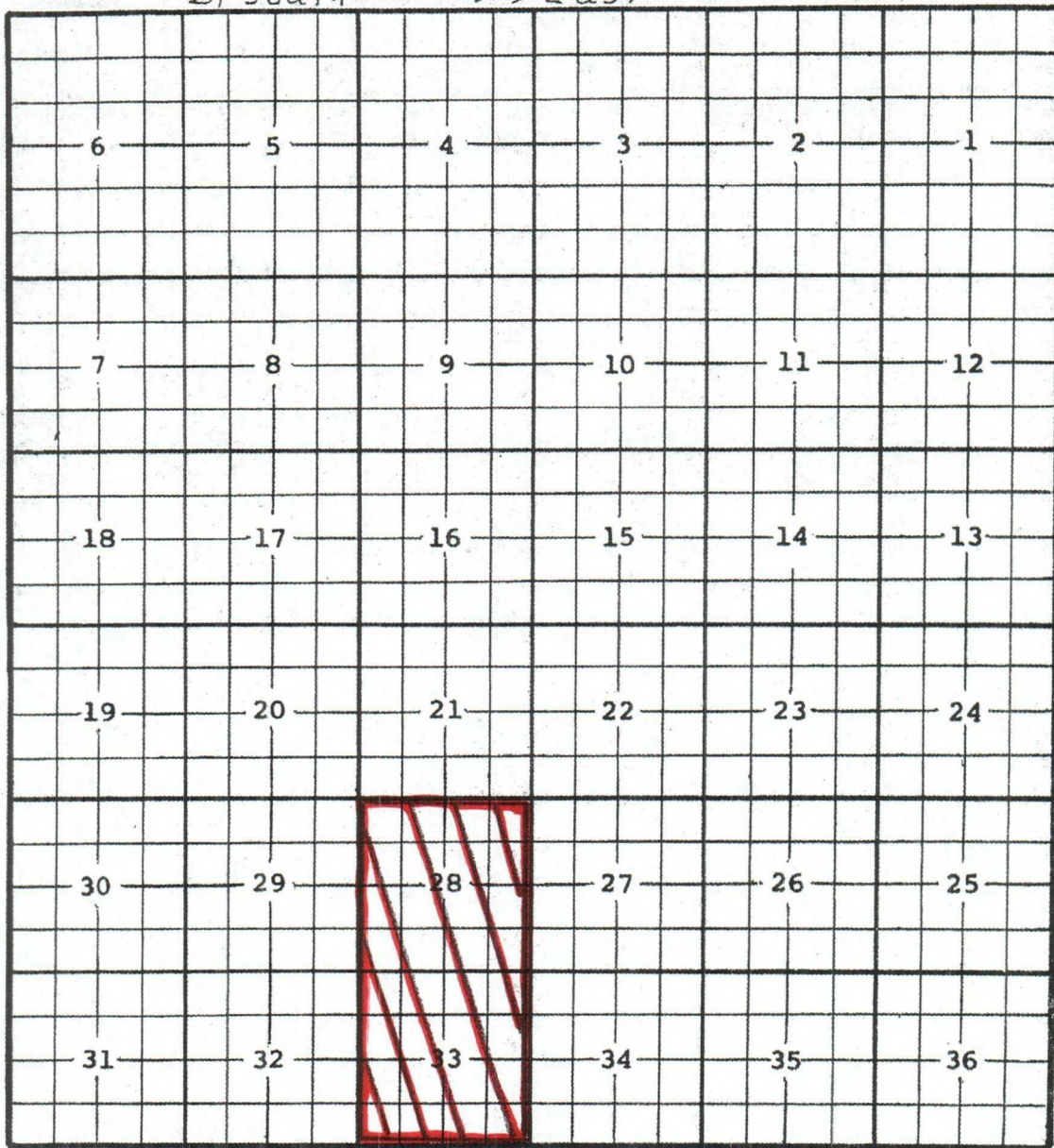


COUNTY Eddy POOL Esperanza-Delaware

TOWNSHIP 21 South RANGE 27 East NMPM

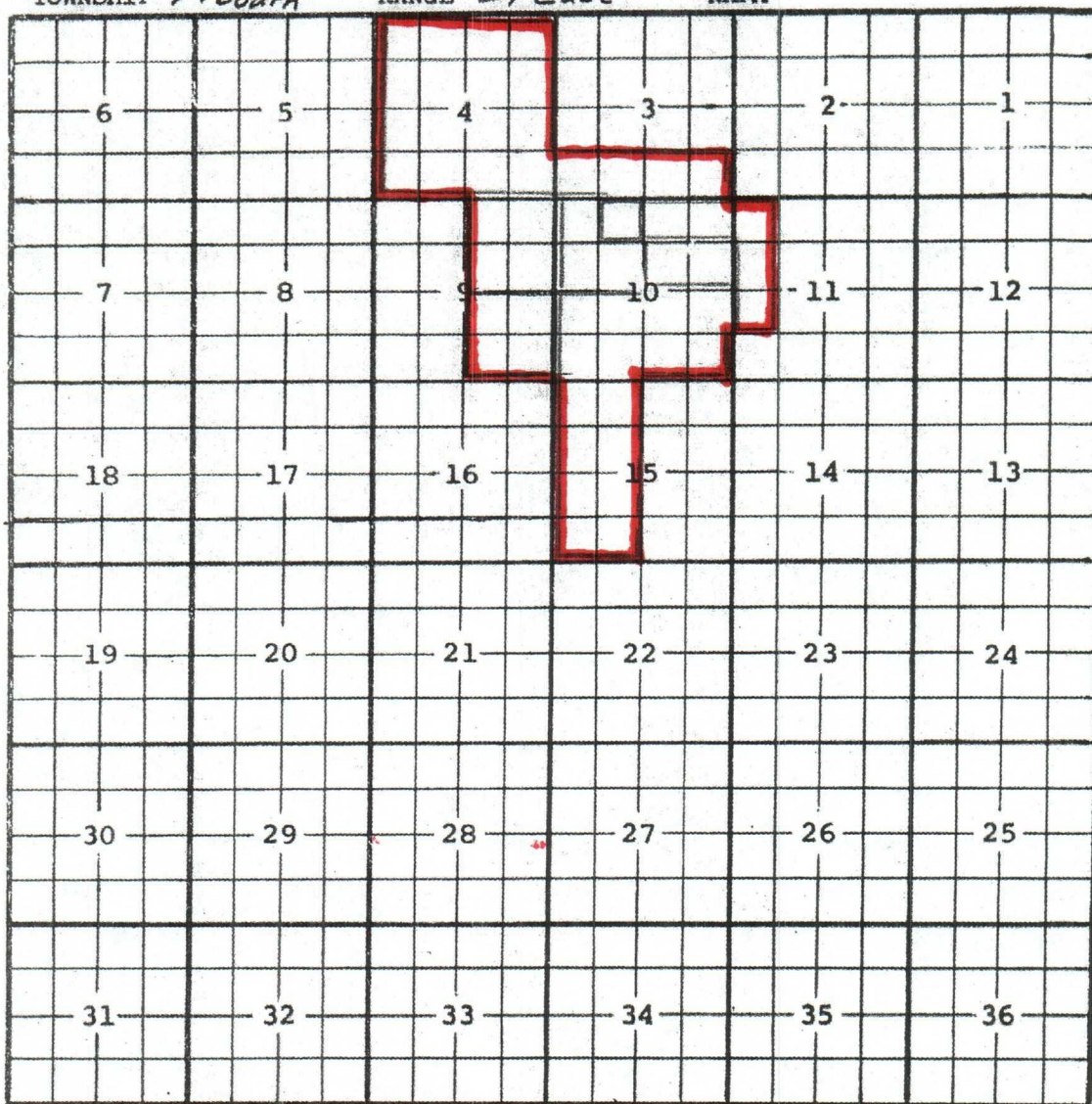


Ext: All Sec. 28, All Sec. 33 (R-7555, 6-14-84)

Delete: All Sec. 28, All Sec. 33 (R-9275, 8-30-90)

COUNTY EddyPOOL Esperanza - DelawareTOWNSHIP 27 SouthRANGE 27 East

NMPM



Description: $\frac{NE}{4} \frac{NW}{4}$ Sec. 10 (R-3843, 10-1-69)

Ext: $\frac{N}{2} \frac{NE}{4}$ Sec. 10, $\frac{W}{2} \frac{NW}{4} \& \frac{NW}{4} \frac{SW}{4}$ Sec. 11 (R-5361, 3-1-77)

Ext: $\frac{S}{2} \frac{NE}{4}$ Sec. 10 (R-6576, 2-10-81) EXT: $\frac{S}{2} \frac{S}{2}$ Sec. 3, All Sec. 4 (R-7158, 12-8-82)

Ext: $\frac{S}{2}$ Sec. 10, $\frac{W}{2}$ Sec. 15 (R-9938, 8-17-93) Ext: $\frac{NW}{4} \frac{NW}{4}$ and $\frac{S}{2} \frac{NW}{4}$ Sec. 10 (R-12402, 2-10-04)

Ext: $\frac{SE}{4}$ Sec. 9 (R-12421, 10-6-05) Ext: $\frac{NE}{4}$ Sec. 9 (R-12447, 10-27-05)

Well Selection Criteria Quick Print

(PoolNo = 22640)

API Well #	Well Name and No.	Operator Name	Typ	Stat	County	Surf	UL	Sec	Twp	Rng	Ft N/S	Ft E/W	UICPrmt	Lst Insp Dt
30-015-20331-00-00	TRACY	RAY WESTALL	W	P	Eddy	P	M	3	22 S	27 E	560 S	610 W	BW-10	4/2/2002
30-015-26069-00-00	WERSELL A	UNION OIL CO OF CALIFORNIA	O	P	Eddy	P	B	4	22 S	27 E	660 N	1780 E	SWD-909	10/18/1999
30-015-20915-00-00	WERSELL FEDERAL	CIMAREX ENERGY CO OF COLO	O	A	Eddy	F	C	4	22 S	27 E	810 N	1980 W		8/24/2004
30-015-30742-00-00	ESPERANZA	CHESAPEAKE OPERATING, INC.	O	A	Eddy	P	J	4	22 S	27 E	1650 S	1650 E		1/4/2006
30-015-34557-00-00	S.S. SNAKEBITE FEE	MARBOB ENERGY CORP	O	A	Eddy	P	A	9	22 S	27 E	205 N	205 E		
30-015-34558-00-00	S.S. SNAKEBITE FEE	MARBOB ENERGY CORP	O	N	Eddy	P	B	9	22 S	27 E	330 N	1550 E		
30-015-34512-00-00	S.S. SNAKEBITE FEE	MARBOB ENERGY CORP	O	N	Eddy	P	G	9	22 S	27 E	2290 N	1675 E		5/30/2006
30-015-34019-00-00	MM SQUIRREL FEE	MARBOB ENERGY CORP	O	A	Eddy	S	H	9	22 S	27 E	2160 N	330 E		1/4/2006
30-015-33984-00-00	PECOS RIVER 9	MEWBOURNE OIL CO	G	A	Eddy	S	I	9	22 S	27 E	2310 S	330 E		7/8/2005
30-015-22680-00-00	PENNZOIL FEDERAL	MATADOR PRODUCTION COMP	O	A	Eddy	F	B	10	22 S	27 E	660 N	2310 E		8/24/2004
30-015-33987-00-00	CHARLES FEE	MARBOB ENERGY CORP	O	A	Eddy	P	C	10	22 S	27 E	405 N	2280 W		1/4/2006
30-015-20204-00-00	TRACY	CIMAREX ENERGY CO OF COLO	O	A	Eddy	P	C	10	22 S	27 E	660 N	1980 W		1/4/2006
30-015-32988-00-00	LOUISE FEE	MARBOB ENERGY CORP	O	A	Eddy	P	D	10	22 S	27 E	990 N	990 W		1/4/2006
30-015-20264-00-00	FRANCIS FEE	MARBOB ENERGY CORP	O	A	Eddy	P	E	10	22 S	27 E	1980 N	760 W		11/10/2003
30-015-23282-00-00	FEDERAL AJ	CIMAREX ENERGY CO OF COLO	O	A	Eddy	F	G	10	22 S	27 E	1650 N	2310 E		8/24/2004
30-015-34514-00-00	EDDY FEE	MARBOB ENERGY CORP	O	N	Eddy	S	J	10	22 S	27 E	2310 S	1650 E		
30-015-33587-00-00	BAR W FEE	MARBOB ENERGY CORP	O	A	Eddy	P	K	10	22 S	27 E	2310 S	1650 W		
30-015-33603-00-00	BAR W FEE	MARBOB ENERGY CORP	O	A	Eddy	P	L	10	22 S	27 E	2385 S	990 W		
30-015-33920-00-00	BAR W FEE	MARBOB ENERGY CORP	O	A	Eddy	P	L	10	22 S	27 E	1650 S	330 W		
30-015-34045-00-00	BAR W FEE	MARBOB ENERGY CORP	O	A	Eddy	P	M	10	22 S	27 E	330 S	330 W		
30-015-34047-00-00	BAR W FEE	MARBOB ENERGY CORP	O	A	Eddy	P	N	10	22 S	27 E	330 S	2310 W		
30-015-26796-00-00	SUENO 15	NEARBURG PRODUCING CO	G	P	Eddy	P	E	15	22 S	27 E	2500 N	660 W		8/14/2000
30-015-24447-00-00	BOGGS FEE	NGX COMPANY	G	A	Eddy	P	I	21	22 S	27 E	1980 S	990 E	NSL-1672	9/26/2003
30-015-33165-00-00	GRANDI	DEVON ENERGY PRODUCTION	O	Eddy		S	D	22	22 S	27 E	660 N	660 W		2/1/2005
30-015-29477-00-00	WEEMS	DEVON ENERGY PRODUCTION	O	A	Eddy	P	F	27	22 S	27 E	2037 N	1901 W		1/31/2005
30-015-20763-00-00	CAWLEY A	SNOW OIL & GAS INC	G	A	Eddy	P	K	28	21 S	27 E	1980 S	1980 W		8/2/2005

[illegible]

RBDMS Map



Oil Conservation Division

MapNotes

DrawnBy

6/7/2006 3:13:52 PM





Blackfoot Rd

Esperanza Draw

Telltale Bluffs

E. Fiesta Dr



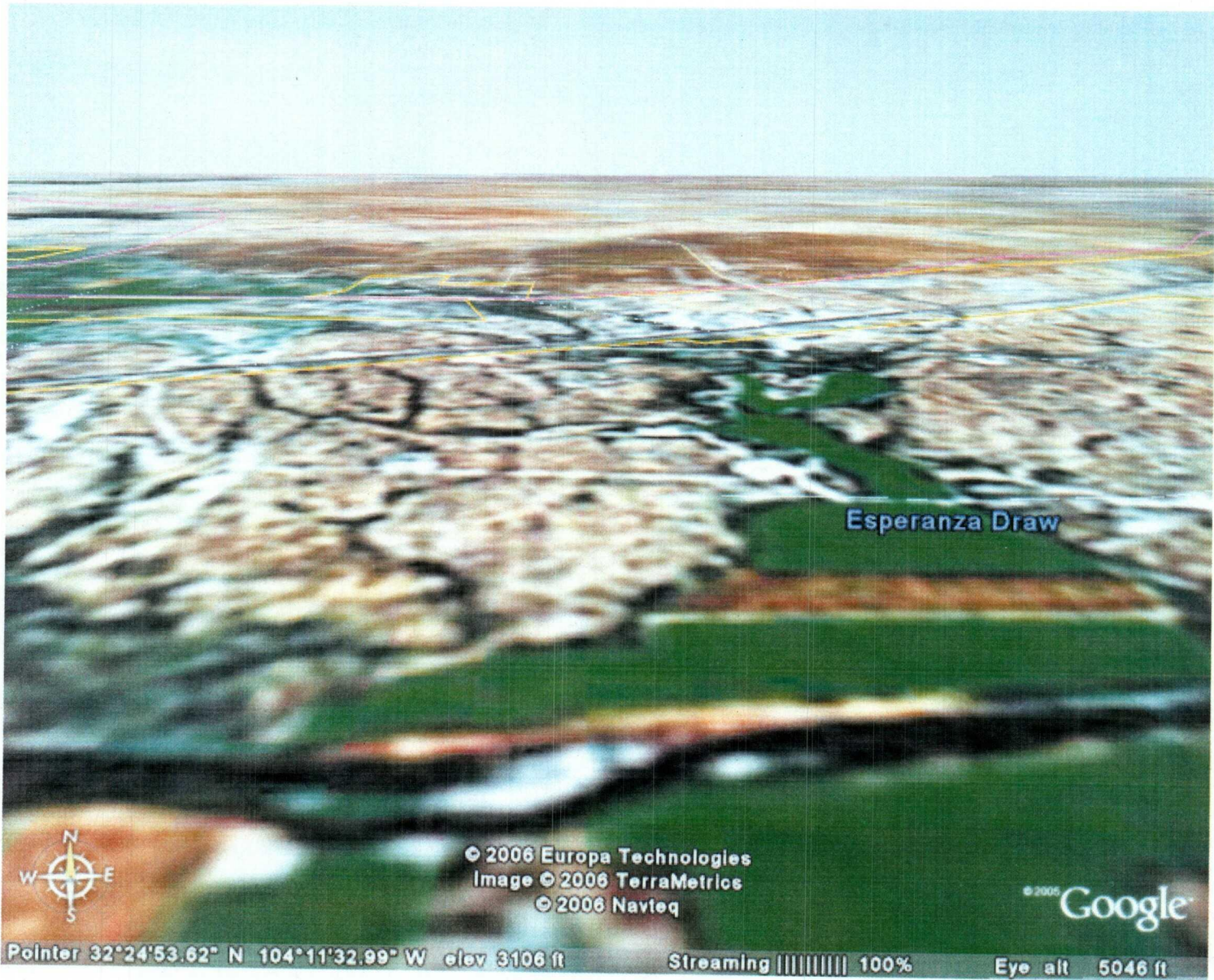
© 2006 Europa Technologies
Image © 2006 TerraMetrics
© 2006 Navteq

© 2006 Google

Pointer 32°24'42.78" N 104°11'31.03" W elev 3095 ft

Streaming ||||| 100%

Eye alt 11847 ft



© 2006 Europa Technologies
Image © 2006 TerraMetrics
© 2006 Navteq

© 2005 Google

Pointer 32°24'53.62" N 104°11'32.99" W elev 3106 ft

Streaming ||||| 100%

Eye alt 5046 ft

State of New Mexico
Energy, Minerals and Natural Resources

Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

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

1. Operator Name and Address MARBOB ENERGY CORP PO BOX 227 ARTESIA, NM 882110227		2. OGRID Number 14049
		3. API Number 30-015-34558
4. Property Code 35333	5. Property Name S.S. SNAKEBITE FEE	6. Well No. 002

7. Surface Location

UL - Lot B	Section 9	Township 22S	Range 27E	Lot Idn B	Feet From 330	N/S Line N	Feet From 1550	E/W Line E	County EDDY
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8. Pool Information

ESPERANZA, DELAWARE	22640
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Additional Well Information

9. Well Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type Private	13. Ground Level Elevation 3097
14. Multiple N	15. Proposed Depth 5340	16. Formation Delaware	17. Contractor	18. Spud Date 12/31/2005
Depth to Ground water 15		Distance from nearest fresh water well > 1000		Distance to nearest surface water 200
Pit: Liner: Synthetic ☒ 12 mils thick Clay ☐ Pit Volume: 3000 bbls Drilling Method: Closed Loop System ☐ Fresh Water ☐ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☒				

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	8.625	24	400	350	0
Prod	7.875	5.5	17	5340	550	0

Casing/Cement Program: Additional Comments

--

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	2000	2000	Cameron

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 NMOCB guidelines ☐ , a general permit ☒ , or an (attached) alternative OCB-approved plan ☐ .	OIL CONSERVATION DIVISION	
	Approved By: Bryan Arrant	
	Title: Geologist	
	Approved Date: 1/25/2006	Expiration Date: 1/25/2007
	Conditions of Approval Attached	
Printed Name: Electronically filed by Diana Briggs		
Title: Production Analyst		
Email Address: production@marbob.com		
Date: 12/20/2005 Phone: 505-748-3303		

1625 N. French Dr., Hobbs, NM 88240
Phone:(505) 393-6161 Fax:(505) 393-0720

Energy, Minerals and Natural Resources

District II

1301 W. Grand Ave., Artesia, NM 88210
Phone:(505) 748-1283 Fax:(505) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

Oil Conservation Division

1220 S. St Francis Dr.

Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-34558	2. Pool Code 22640	3. Pool Name ESPERANZA,DELAWARE
4. Property Code 35333	5. Property Name S.S. SNAKEBITE FEE	6. Well No. 002
7. OGRID No. 14049	8. Operator Name MARBOB ENERGY CORP	9. Elevation 3097

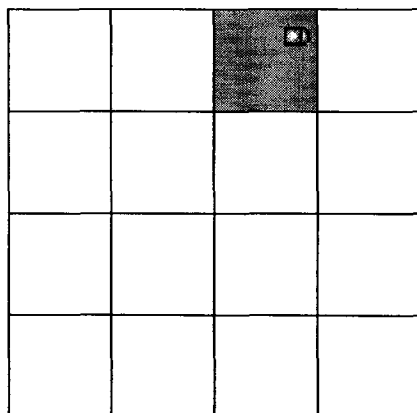
10. Surface Location

UL - Lot B	Section 9	Township 22S	Range 27E	Lot Idn B	Feet From 330	N/S Line N	Feet From 1550	E/W Line E	County EDDY
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11. Bottom Hole Location If Different From Surface

UL - Lot B	Section 9	Township 22S	Range 27E	Lot Idn B	Feet From 330	N/S Line N	Feet From 1650	E/W Line E	County EDDY
12. Dedicated Acres 40.00		13. Joint or Infill		14. Consolidation Code		15. 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



OPERATOR CERTIFICATION

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(s) or has a right to drill this well at this 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.

E-Signed By: Diana Briggs

Title: Production Analyst

Date: 12/20/2005

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.

Surveyed By: Ronald Eidson

Date of Survey: 11/9/2005

Certificate Number: 3239

Permit Comments

Operator: MARBOB ENERGY CORP , 14049

Well: S.S. SNAKEBITE FEE #002

API: 30-015-34558

Created By	Comment	Comment Date
MARBOB4	We plan to complete this well in the Morrow and do not anticipate cutting any formations during drilling that contain H2S gas. Therefore we do not believe an H2S contingency plan is necessary.	12/20/2005
MARBOB4	We propose to drill 12 1/4 inch hole to 400 ft w/fresh water, run 12 1/4 inch 24 lb J-55 csg, set at 400 ft w/350 sx cmt, circ to surface; drill 7 7/8 inch hole w/brine water to 5340 ft, run 5 1/2 inch 17 lb J-55 csg, set at 5340 ft w/550 sx cmt, circ to surface.	12/20/2005

Permit Conditions of Approval

Operator: MARBOB ENERGY CORP , 14049

Well: S.S. SNAKEBITE FEE #002

API: 30-015-34558

OCD Reviewer	Condition
BArrant	Pit construction and closure must satisfy all requirements of your approved plan, D.C.D. Rule 10.15.2.50, and the Pit and Below-Grade Tank Guidelines
BArrant	As noted, operator to drill surface hole w/fresh water/ mud.
BArrant	For conditions of approval, operator to submit a C-102 showing the project area and producing area of unit. Additionally please show the penetration and terminus point within the proration unit boundaries.

30-015-34558

Company: Marbob Energy	Date: 1/18/2006	Time: 11:25:39	Page: 1
Field: Snakebite	Co-ordinate(NE) Reference: Site: Snakebite FEE #2, True North		
Site: Snakebite FEE #2	Vertical (TVD) Reference: System: Mean Sea Level		
Well: SS Snakebite #2	Section (VS) Reference: Well (0.00N,0.00E,270.00Azi)		
Wellpath: SS Snakebite FEE #2	Plan: Plan #3 1-18-06		

Field: Snakebite
Eddy County, New Mexico

Map System: US State Plane Coordinate System 1927
Geo Datum: NAD27 (Clarke 1866)
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Eastern Zone
Coordinate System: Site Centre
Geomagnetic Model: igrf2005

Site: Snakebite FEE #2
T-22S & R-27E

330' FNL & 1550' FEL Section 9,

Site Position:	Northing:	ft	Latitude:
From: Lease Line	Easting:	ft	Longitude:
Position Uncertainty:	0.00 ft		North Reference: True
Ground Level:	0.00 ft		Grid Convergence: 0.00 deg

Well: SS Snakebite #2

Slot Name:

Well Position:	+N/-S	0.00 ft	Northing:	0.00 ft	Latitude:	30 59 24.512 N
	+E/-W	0.00 ft	Easting:	0.00 ft	Longitude:	105 55 44.137 W
Position Uncertainty:	0.00 ft					

Wellpath: SS Snakebite FEE #2

Current Datum: SITE	Height	0.00 ft	Drilled From: Surface
Magnetic Data: 12/19/2005			Tie-on Depth: 0.00 ft
Field Strength: 0 nT			Above System Datum: Mean Sea Level
Vertical Section: Depth From (TVD)	+N/-S		Declination: 0.00 deg
ft	ft		Mag Dip Angle: 0.00 deg
			+E/-W
			ft
			Direction
			deg
0.00	0.00	0.00	270.00

Plan: Plan #3 1-18-06

Date Composed: 1/13/2006
Version: 1
Tied-to: From Surface

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
781.85	0.00	270.00	781.85	0.00	0.00	0.00	0.00	0.00	0.00	
1181.85	10.00	270.00	1179.83	0.00	-34.82	2.50	2.50	0.00	270.00	
1356.71	10.00	270.00	1352.03	0.00	-65.18	0.00	0.00	0.00	0.00	
1756.71	0.00	270.00	1750.00	0.00	-100.00	2.50	-2.50	0.00	180.00	1750' Vertical Point
5506.71	0.00	270.00	5500.00	0.00	-100.00	0.00	0.00	0.00	270.00	PBHL SS Snakebite FEE #2

Section 1 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
0.00	0.00	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
781.85	0.00	270.00	781.85	0.00	0.00	0.00	0.00	0.00	0.00	270.00

Section 2 : Start Build 2.50

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
1181.85	10.00	270.00	1179.83	0.00	-34.82	34.82	2.50	2.50	0.00	0.00

Section 3 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
1356.71	10.00	270.00	1352.03	0.00	-65.18	65.18	0.00	0.00	0.00	0.00

PathFinder

Planning Report

Company: Marbob Energy	Date: 1/18/2006	Time: 11:25:39	Page: 2
Field: Snakebite	Co-ordinate(NE) Reference: Site: Snakebite FEE #2, True North		
Site: Snakebite FEE #2	Vertical (TVD) Reference: System: Mean Sea Level		
Well: SS Snakebite #2	Section (VS) Reference: Well (0.00N,0.00E,270.00Azi)		
Wellpath: SS Snakebite FEE #2	Plan: Plan #3 1-18-06		

Section 4 : Start Drop -2.50

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
1756.71	0.00	270.00	1750.00	0.00	-100.00	100.00	2.50	-2.50	0.00	180.00

Section 5 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
4006.71	0.00	270.00	4000.00	0.00	-100.00	100.00	0.00	0.00	0.00	270.00
4206.71	0.00	270.00	4200.00	0.00	-100.00	100.00	0.00	0.00	0.00	270.00
4406.71	0.00	270.00	4400.00	0.00	-100.00	100.00	0.00	0.00	0.00	270.00
4606.71	0.00	270.00	4600.00	0.00	-100.00	100.00	0.00	0.00	0.00	270.00
4806.71	0.00	270.00	4800.00	0.00	-100.00	100.00	0.00	0.00	0.00	270.00
5006.71	0.00	270.00	5000.00	0.00	-100.00	100.00	0.00	0.00	0.00	270.00
5206.71	0.00	270.00	5200.00	0.00	-100.00	100.00	0.00	0.00	0.00	270.00
5406.71	0.00	270.00	5400.00	0.00	-100.00	100.00	0.00	0.00	0.00	270.00
5506.71	0.00	270.00	5500.00	0.00	-100.00	100.00	0.00	0.00	0.00	270.00

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
4006.71	0.00	270.00	4000.00	0.00	-100.00	100.00	0.00	0.00	0.00	
4206.71	0.00	270.00	4200.00	0.00	-100.00	100.00	0.00	0.00	0.00	
4406.71	0.00	270.00	4400.00	0.00	-100.00	100.00	0.00	0.00	0.00	
4606.71	0.00	270.00	4600.00	0.00	-100.00	100.00	0.00	0.00	0.00	
4806.71	0.00	270.00	4800.00	0.00	-100.00	100.00	0.00	0.00	0.00	
5006.71	0.00	270.00	5000.00	0.00	-100.00	100.00	0.00	0.00	0.00	
5206.71	0.00	270.00	5200.00	0.00	-100.00	100.00	0.00	0.00	0.00	
5406.71	0.00	270.00	5400.00	0.00	-100.00	100.00	0.00	0.00	0.00	
5506.71	0.00	270.00	5500.00	0.00	-100.00	100.00	0.00	0.00	0.00	PBHL SS Snakebite FEE #2

Targets

Name	Description Dip. Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	Latitude Deg Min Sec	Longitude Deg Min Sec
1750' Vertical Point		1750.00	0.00	-100.00	1.43	-99.99	30 59 24.512 N	105 55 45.286 W
PBHL SS Snakebite FEE #2		5500.00	0.00	-100.00	1.43	-99.99	30 59 24.512 N	105 55 45.286 W

Annotation

MD ft	TVD ft	
781.00	781.00	KOP @ 781' MD
1181.00	1178.99	End of 10"/100' Build @ 2.5" @ 1181'MD
1356.00	1351.33	End of Hold/Start of 2.5"/100' Drop
1756.00	1749.29	End of Drop/Start of Hold

Marbob Energy Corporation

SS Snakebite FEE #2

Section 9, T-22S & R-27E

Eddy County, New Mexico

Plan #3 1/18/06



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	270.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	781.85	0.00	270.00	781.85	0.00	0.00	0.00	0.00	0.00	
3	1181.85	10.00	270.00	1179.83	0.00	-34.82	2.50	270.00	34.82	
4	1356.71	10.00	270.00	1352.03	0.00	-65.18	0.00	0.00	65.18	
5	1756.71	0.00	270.00	1750.00	0.00	-100.00	2.50	180.00	100.00	1750' Vertical Point
6	5506.71	0.00	270.00	5500.00	0.00	-100.00	0.00	270.00	100.00	PBHL SS Snakebite FEE #2

SITE DETAILS

Snakebite FEE #2
T-22S & R-27E
330' FNL & 1550' FEL Section 9.
Water Depth: 0.00
Positional Uncertainty: 0.00
Convergence: 0.00

FIELD DETAILS

Snakebite
Eddy County, New Mexico
Geodetic System: US State Plane Coordinate System 1927
Ellipsoid: NAD27 (Clarke 1866)
Zone: New Mexico, Eastern Zone
Magnetic Model: igr72005
System Datum: Mean Sea Level
Local North: True North

COMPANY DETAILS

Marbob Energy
2208 W. Main St.
Ariesa, New Mexico
Calculation Method: Minimum Curvature
Error System: Systematic Ellipse
Scan Method: Closest Approach 3D
Error Surface: Elliptical Locus
Warning Method: Error Rate

