

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 S. 1st Street, Artesia, NM 88210-2834
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-101
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

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

¹ Operator name and Address Taurus Exploration, U.S.A., Inc. 2198 Bloomfield Highway Farmington, NM 87401		² OGRID Number 162928
³ API Number 30-039-25838		⁴ Property Code 21996
⁵ Property Name San Juan 32-5 Unit		⁶ Well No. 11M

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	23	32N	6W		813	South	803	East	Rio Arriba

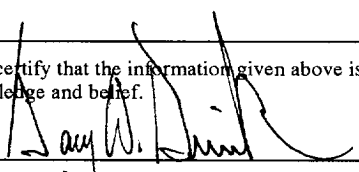
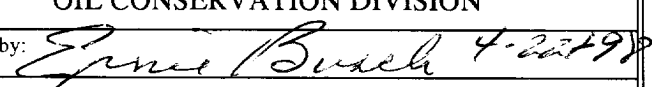
8 Proposed Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
⁹ Proposed Pool 1 72319 Blanco Mesa Verde E/320					¹⁰ Proposed Pool 2 71599 Basin Dakota E/320				

¹¹ Work Type Code Drill	¹² Well Type Code Gas Well	¹³ Cable/Rotary Rotary	¹⁴ Lease Type Code Fee	¹⁵ Ground Level Elevation 6321'
¹⁶ Multiple Yes	¹⁷ Proposed Depth 7990	¹⁸ Formation Dakota	¹⁹ Contractor	²⁰ Spud Date July 1, 1998

21 Proposed Casing and Cement Program					
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4	9 5/8	36#	200'	130 cu. ft.	Circ.
8 3/4	7	20#	3475'	1045 cu. ft.	Circ.
6 1/4	4 1/2	11.6#	7990'	695 cu. ft.	3475'

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.

See attached Operations Plan.
A 11" 2000# minimum double gate BOP stack will be used with a 2" 2000# choke manifold.
An Application to Downhole Commingle the Mesa Verde and Dakota is being prepared. The Mesa Verde and Dakota will be selectively perforated and sand water fractured. This gas is dedicated.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: 	OIL CONSERVATION DIVISION Approved by:  Title: DEPUTY OIL & GAS DIV. DIRECTOR, DIST. #3 Approval Date: APR 22 1998 Expiration Date: APR 22 1999
Printed name: Gary W. Brink Title: Production Superintendent	

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Santa Fe, NM 87505

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Revised October 18, 1994
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State Lease - 4 Copies
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ APT Number 30-039-25837	¹ Pool Code 72319/71599	¹ Pool Name Blanco Mesa Verde/Basin Dakota
⁴ Property Code 21996	³ Property Name SAN JUAN 32-5 UNIT	⁸ Well Number 11M
⁷ OGRID No. 162928	¹ Operator Name TAURUS EXPLORATION U.S.A., Inc.	⁹ Elevation 6321

¹⁰ 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	23	32N	6W		813	SOUTH	803	EAST	RIO ARRIBA

¹¹ 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
320									

¹² Dedicated Acres E/320 4320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

16	S 89-36 W 2616.90'	S 89-39 W 2682.90'
RECEIVED APR 21 1998 OIL CON. DIV. DIST. 3		SEC. 23
N 00-10 W 2634.72'		N 01-21 W 2624.82'
N 02-42 E 2599.74'		N 00-21 E 2670.36'
N 89-44 W 5464.14'		813'

¹⁷ OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
Signature
Gary W. Brink
Printed Name
Production Superintendent
Title
4/9/98
Date

¹⁸ 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.
3/23/98
Date of Survey
Signature and Seal of Professional Surveyer:
Certificate Number
11393

OPERATIONS PLAN

WELL NAME: San Juan 32-5 Unit 11M
LOCATION: 813' FSL, 803' FEL, Section 23, T32N, R6W, Rio Arriba County, NM
FIELD: Blanco Mesa Verde/Basin Dakota ELEVATION: 6321'

FORMATION TOPS:

Surface	San Jose	Cliff House	5062
Ojo Alamo	2299	Menefee	5384
Kirtland	2492	Point Lookout	5586
Fruitland	2910	Gallup	6829
Pictured Cliffs	3001	Greenhorn	7651
Lewis	3274	Graneros	7606
Huerfanito Benonite	4332	Dakota	7807
		Total Depth	7990

LOGGING PROGRAM:

Open Hole Logs:

Surface to intermediate: HRI/SP/GR; CNT/LDT/MLT

Inter TD to total depth: Temp/HRI/CNT, LDT/GR

Mud Logs: 200' above Ojo Alamo to total depth
Coring: None
Natural Gauges: Every 500' from intermediate TD to total depth

MUD PROGRAM: Fresh water low solids mud from surface to intermediate TD. Air/mist from intermediate casing point to total depth.

CASING PROGRAM:

<u>HOLE SIZE</u>	<u>DEPTH</u>	<u>CSG SIZE</u>	<u>WT.</u>	<u>GRADE</u>
12 1/4"	200'	9 5/8"	36#	K-55
8 3/4"	3475'	7"	23#	K-55
6 1/4"	7990'	4 1/2"	11.6#	K-55

TUBING PROGRAM:

7940'	2 3/8"	4.7#	J-55
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WELLHEAD: 11" 3000 x 9 5/8" casing head. 11" 3000 x 11" 3000 spool. 11" 5000 x 7 1/16" 5000 xmas tree.

BOP SPECIFICATIONS:

An 11" 2000 psi minimum double gate BOP stack (Figure 1) will be used following nipple up of casing head. During air drilling operations, a Shaffer Type 50 or equivalent rotating head will be installed on top of the stack. A 2" nominal, 2000 psi minimum choke manifold will be used.

CEMENTING:

9 5/8" surface casing - Cement with 110 sxs Class B Cement with 1/4" Flocele/sx and 2% calcium chloride (130 cu. ft. of slurry, 100% excess to circulate to surface). WOC 12 hrs. Test casing to 600# for 30 minutes.

Texas Pattern Guide Shoe on bottom. 3 bow type centralizers spaced throughout the string.

7" intermediate casing - cement with 455 sks 65/35 Class B Poz with 6% gel, 2% calcium chloride, 10% gilsonite, and 1/4# flocele/sk. Tail with 100 sks Class B w/2% calcium chloride, 10% gilsonite and 1/4# flocele/sk. (1045 cu. ft. of slurry, 100% excess to circulate to surface). WOC 12 hrs. If cement does not circulate, run temperature survey in 8 hrs. to determine TOC. Test casing to 1200 psi for 30 minutes.

Cement nose guide shoe on bottom with a self-fill insert float valve on top of shoe joint. 10 bow spring centralizers spaced every 3rd joint off bottom. Two turbolating centralizers at the base of the Ojo Alamo.

4 1/2" Production String

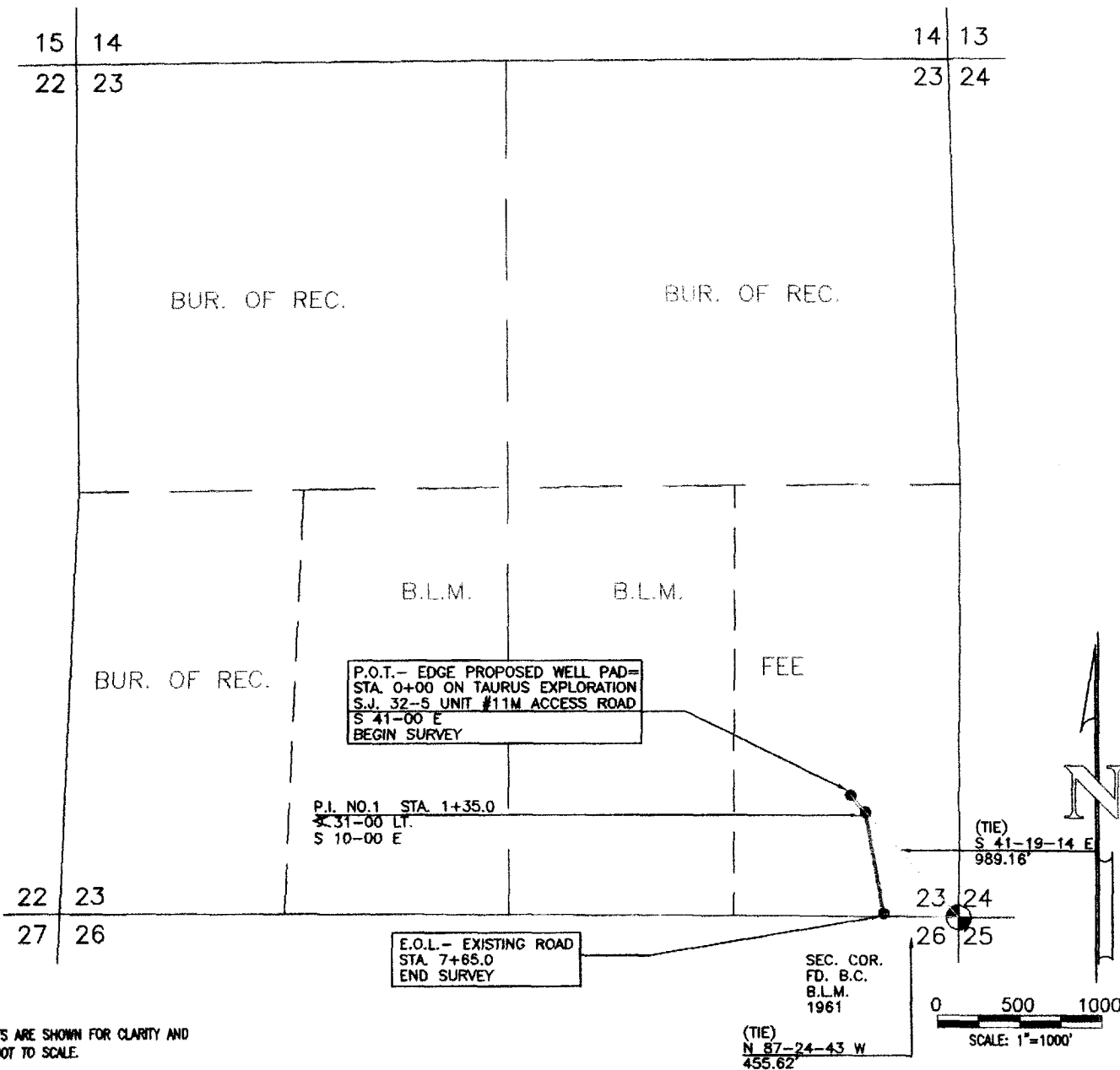
Cement with 160 sks 65/35 Class B Poz with 6% gel, 5 PPS gilsonite, and 1/4# flocele/sk. Tail with 300 sks 50/50 poz with 2% gel, 5 PPS gilsonite, .4% halad - 9 and 1/4# flocele/sk (695 cu. ft., 50% excess to tie into intermediate casing string). WOC 18 hrs prior to completion.

Cement nose guide shoe on bottom with float collar on top of shoe joint.

OTHER INFORMATION:

- 1) The Blanco Mesa Verde and Basin Dakota will be completed and downhole commingled.
- 2) No abnormal temperatures or pressures are anticipated.
- 3) Anticipated pore pressure for the Mesa Verde is 1100 and the Dakota is 1500.
- 4) If lost circulation is encountered, sufficient LCM will be added to the mud system to maintain well control.
- 5) This gas is dedicated.

A SURVEY FOR
TAURUS EXPLORATION
 SAN JUAN 32-5 UNIT #11M ACCESS ROAD
 SE/4 SEC.23, T.32 N., R.6 W., N.M.P.M.,
 RIO ARriba COUNTY, NEW MEXICO



NOTES:

1. OFFSETS ARE SHOWN FOR CLARITY AND ARE NOT TO SCALE.
2. BASIS OF BEARING: SOLAR OBSERVATION

OWNERSHIP	FOOTAGE	FT/RODS
FEE	0+00 TO 7+65.0	765.0/ 46.36

I, HENRY P. BROADHURST, JR., A DULY QUALIFIED SURVEYOR LICENSED UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT THIS SURVEY MEETS THE APPLICABLE MINIMUM STANDARDS FOR LAND SURVEYING IN NEW MEXICO.

Henry P. Broadhurst, Jr.
 HENRY P. BROADHURST, JR.
 STATE OF NEW MEXICO PLS #113035

NEW MEXICO
 REGISTERED PROFESSIONAL SURVEYOR
 DATE

TAURUS EXPLORATION
 FARMINGTON, NEW MEXICO

SURVEYED: 3/23/98	REV. DATE:	APP. BY H.B.
DRAWN BY: S.B.	DATE DRAWN: 4/1/98	FILE NAME: S32511M

UNITED
 FIELD SERVICES INC.

P.O. BOX 3651
 FARMINGTON, NM 87499
 OFFICE: (505)325-5319

TAURUS EXPLORATION SAN JUAN 32-5 UNIT #11M ACCESS ROAD

SE/4 SE/4 SEC.23, T.32 N., R.6 W., N.M.P.M.,
RIO ARriba COUNTY, NEW MEXICO.

