UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK O 1a. Type of Work 5. Lease Number \ DRILL SF-0794929A RECEIVED Unit Reporting Number OTO FARMINGTON HM MV-8910010510 DK-891001051B 1b. Type of Well 6. If Indian, All. or Tribe GAS 2. Operator 7. Unit Agreement Name BURLINGTON RESCURCES Oil & Gas Company San Juan 27-5 Unit 3. Address & Phone No. of Operator 8. Farm or Lease Name PO Box 4289, Farmington, NM 87499 San Juan 27-5 Unit 9. Well Number (505) 326-9700 #103M 10. Field, Pool, Wildcat 4. **Location of Well** 1965' FNL, 1410' FEL surface "4" Blanco Mesaverde/Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) 865' FNL, 2180' FEL bottom "B" Latitude 36° 34.5452'N, Longitude 107° 19.3582'W Sec. 14, T27N, R05W API # 30-039- 29865 Latitude 36° 34.7268'N, Longitude 107° 19.5480'W 14. Distance in Miles from Nearest Town 12. County 13. State 14 mile to Gobernador Rio Arriba NM 15. Distance from Proposed Location to Nearest Property or Lease Line 1410' 16. Acres in Lease 17. Acres Assigned to Well MV & DK 320 ac E/2 18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 250' 19. **Proposed Depth** 20. Rotary or Cable Tools 8162' TMD Rotary 21. Elevations (DF, FT, GR, Etc.) 22. Approx. Date Work will Start 6664' GR 23. **Proposed Casing and Cementing Program** See Operations Plan attached 24. Authorized by: Regulatory Specialist PERMIT NO. APPROVAL DATE APPROVED BY

Archaeological Report attached

DRILLING OPERATIONS AUTHORIZED ARE

"GENERAL REQUIREMENTS".

SUBJECT TO COMPLIANCE WITH ATTACHED

Threatened and Endangered Species Report attached

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

Title 18 U.S.C. Section 1001, makes 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 presentations as to any matter within its jurisdiction.

> This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4





District & PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised February 21, 1994 Instructions on back

District II PO Drawer DD, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION PO Box 2088

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

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

Santa Fe. NM 87504-2088

AMENDED REPORT

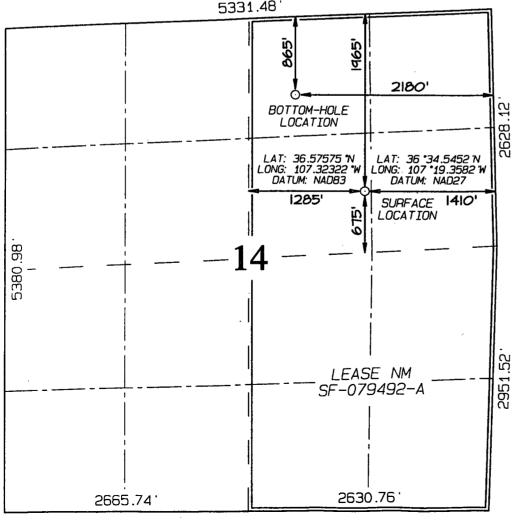
PO Box 2088, Santa Fe, NM 87504-2088 2006 MAR 30 FM 2 10

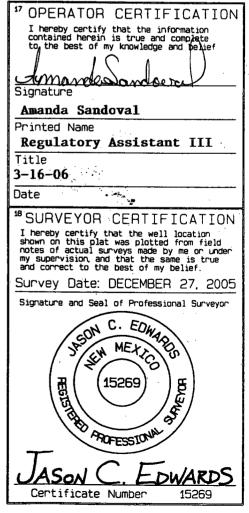
WELL LOCATION AND ACREAGE DEDICATION PLAT

	PI Numbe -039-	29865	71!	CP001 Coc 599/7231	9 B1	anco Mesaverd	Pool Nam le/ Basin Da	akota	
¹ Property			⁶ Property Name					ell Number	
7454			SAN JUAN 27-5 UNIT					103M	
'OGRID N	'OGRID No.			*Operator Name URLINGTON RESOURCES OIL & GAS COMPANY, LP					levation 6664'
					¹⁰ Surface	Location			
UL or lot no.	Section	Township	Range	Lat Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	14 27N 5W 1965 NORTH 1410 EAS			EAST	RIO				

AHHTRA ¹¹Bottom Hole Location From Surface Different UL or lot no. Sect ion Township Lot Idn Feet from the North/South line Feet from the East/West line RIO 14 В 27N **5W** 865 NORTH 2180 **EAST** ARRIBA 12 Dedicated Acres ¹³Joint or Infill ¹⁴ Consolidation Code ¹⁵ Order No. 320 E2 MV/DK

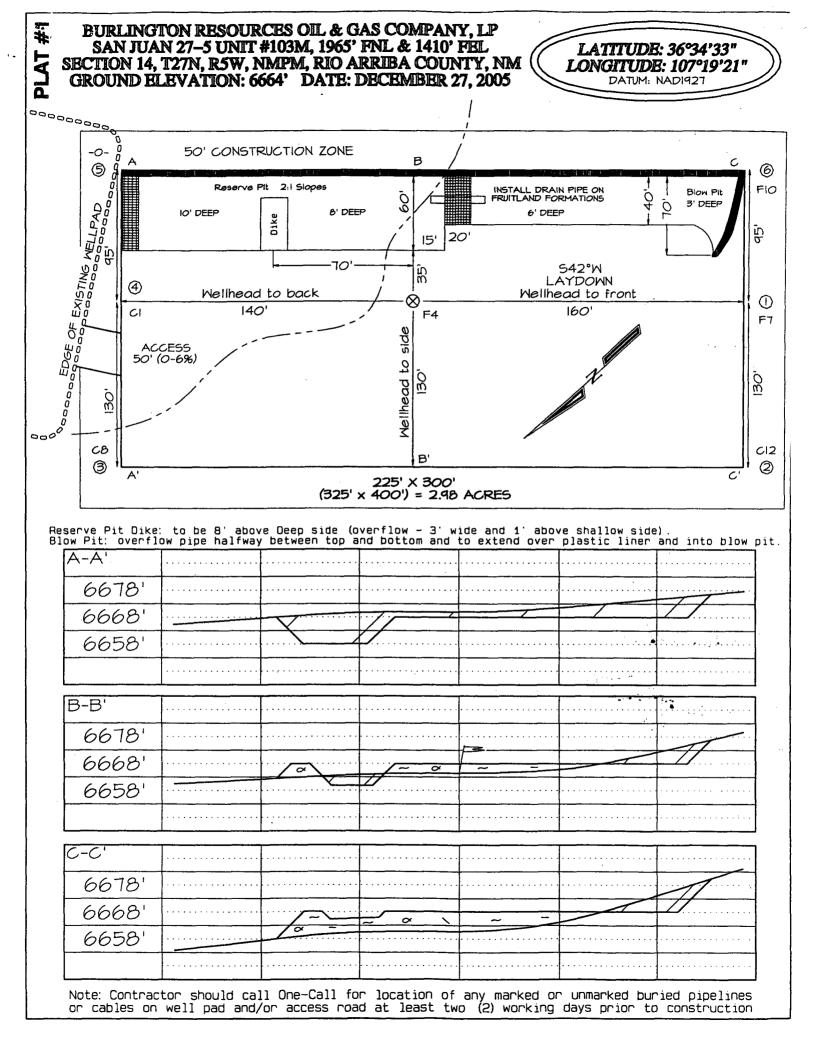
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION





Submit 3 Copies To Appropriate District Office	State of Nev	w Mexico		Form C-103
District I	Energy, Minerals and	Natural Resources		May 27, 2004
1625 N. French Dr., Hobbs, NM 88240 District II			WELL API NO.	29865
1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVAT	TION DIVISION	5. Indicate Type of Lease	, 0, 7, 0
District III	1220 South St.	Francis Dr.	STATE	FEE
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, N	M 87505	6. State Oil & Gas Lease No.	
<u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 8750)5		SF-079492	2-A
SUNDRY NOTIC	ES AND REPORTS ON WELI		7. Lease Name or Unit Agreem	
(DO NOT USE THIS FORM FOR PROPOSALS DIFFERENT RESERVOIR. USE "APPLICATION"			San Juan 27 6	5 1 In:
PROPOSALS.)	N FOR PERIMIT (PORMIC-101) FOR	CSOCH	San Juan 27-3	Onit
1. Type of Well:			8. Well Number	
Oil Well Gas Well X 2. Name of Operator	Other		9. OGRID Number	
	URCES OIL & GAS COMPAI	NY LP	14538	
3. Address of Operator			10. Pool name or Wildcat	
3401 E. 30TH STR 4. Well Location	EET, FARMINGTON, NM 874	402	Blanco Mesaverde/E	Basin Dakota
	965 feet from the N	orth line and	1410 feet from the	East line
Section 14	Township 27N			Rio Arriba Co.
	Elevation (Show whether DR, R	KB, RT, GR, etc.) 706'		
Pit or Below-grade Tank Application	or Closure		DO SOLEMPTION HERCE SERVERS TO THE	0.500.000000000000000000000000000000000
Pit typenew drillDepth to Groundw	ater >100' Distance from ne	arest fresh water well	>1000' Distance from nearest s	surface water >1000'
Pit Liner Thickness: n/a	mil Below-Grade Tank:	Volume	bbls; Construction Material	
12. Check	Appropriate Box to Indic	ate Nature of No	tice, Report or Other Data	ļ
	ITENTION TO:		SUBSEQUENT REPOR	
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIA	AL WORK A	LTERING CASING
TEMPORARILY ABANDON PULL OR ALTER CASING	CHANGE PLANS MULTIPLE COMPL		· —	AND A
FOLL OR ALTER CASING	MULTIPLE COMPL	L CASING/	CEMENT JOB	
	orill Pit	X OTHER:		
13. Describe proposed or complete				
or recompletion.	. SEE RULE 1103. For Multip	ple Completions: Atta	ch wellbore diagram of proposed	completion
55 1000mp10000m				
New Drill, Unlined:				
· · · · · · · · · · · · · · · · · · ·				
,				
Burlington Resources proposes to co				
Burlington Resources proposes to co Ecosphere's risk ranking criteria, the	e new drilling pit and vent/flare	pit will be an unlined	pit as detailed in Burlington's Rev	rised Drilling /
Burlington Resources proposes to co Ecosphere's risk ranking criteria, the Workover Pit Construction / Operati	e new drilling pit and vent/flare on Procedures dated November	pit will be an unlined 11, 2004 on file at the	pit as detailed in Burlington's Reve NMOCD office. A portion of the	rised Drilling / e vent/flare pit will be
Burlington Resources proposes to co Ecosphere's risk ranking criteria, the	e new drilling pit and vent/flare on Procedures dated November portion will be unlined, as per the	pit will be an unlined 11, 2004 on file at the he risk ranking criteria	pit as detailed in Burlington's Reve e NMOCD office. A portion of the a. Burlington Resources anticipate	rised Drilling / e vent/flare pit will be
Burlington Resources proposes to co Ecosphere's risk ranking criteria, the Workover Pit Construction / Operati designed to manage fluids, and that	e new drilling pit and vent/flare on Procedures dated November portion will be unlined, as per the	pit will be an unlined 11, 2004 on file at the he risk ranking criteria	pit as detailed in Burlington's Reve e NMOCD office. A portion of the a. Burlington Resources anticipate	rised Drilling / e vent/flare pit will be
Burlington Resources proposes to co Ecosphere's risk ranking criteria, the Workover Pit Construction / Operati designed to manage fluids, and that	e new drilling pit and vent/flare on Procedures dated November portion will be unlined, as per the	pit will be an unlined 11, 2004 on file at the he risk ranking criteria	pit as detailed in Burlington's Reve e NMOCD office. A portion of the a. Burlington Resources anticipate	rised Drilling / e vent/flare pit will be
Burlington Resources proposes to co Ecosphere's risk ranking criteria, the Workover Pit Construction / Operati designed to manage fluids, and that	e new drilling pit and vent/flare on Procedures dated November portion will be unlined, as per the	pit will be an unlined 11, 2004 on file at the he risk ranking criteria	pit as detailed in Burlington's Reve e NMOCD office. A portion of the a. Burlington Resources anticipate	rised Drilling / e vent/flare pit will be
Burlington Resources proposes to co Ecosphere's risk ranking criteria, the Workover Pit Construction / Operati designed to manage fluids, and that	e new drilling pit and vent/flare on Procedures dated November portion will be unlined, as per the	pit will be an unlined 11, 2004 on file at the he risk ranking criteria	pit as detailed in Burlington's Reve e NMOCD office. A portion of the a. Burlington Resources anticipate	rised Drilling / e vent/flare pit will be
Burlington Resources proposes to co Ecosphere's risk ranking criteria, the Workover Pit Construction / Operati designed to manage fluids, and that according to the Drilling / Workover	e new drilling pit and vent/flare fon Procedures dated November portion will be unlined, as per the Pit Closure Procedure dated A	pit will be an unlined 11, 2004 on file at the he risk ranking criteria ugust 2, 2004 on file t	pit as detailed in Burlington's Reve NMOCD office. A portion of the Burlington Resources anticipate that the NMOCD office.	vised Drilling / e vent/flare pit will be es closing these pits
Burlington Resources proposes to co Ecosphere's risk ranking criteria, the Workover Pit Construction / Operati designed to manage fluids, and that according to the Drilling / Workover	e new drilling pit and vent/flare on Procedures dated November portion will be unlined, as per the Pit Closure Procedure dated A	pit will be an unlined 11, 2004 on file at the he risk ranking criteria ugust 2, 2004 on file t	pit as detailed in Burlington's Reve NMOCD office. A portion of the Burlington Resources anticipate that the NMOCD office.	vised Drilling / e vent/flare pit will be es closing these pits pit or below-
Burlington Resources proposes to co Ecosphere's risk ranking criteria, the Workover Pit Construction / Operati designed to manage fluids, and that according to the Drilling / Workover	e new drilling pit and vent/flare on Procedures dated November portion will be unlined, as per the Pit Closure Procedure dated A	pit will be an unlined 11, 2004 on file at the he risk ranking criteria ugust 2, 2004 on file t	pit as detailed in Burlington's Reve NMOCD office. A portion of the Burlington Resources anticipate that the NMOCD office.	vised Drilling / e vent/flare pit will be es closing these pits pit or below-
Burlington Resources proposes to confide Ecosphere's risk ranking criteria, the Workover Pit Construction / Operated designed to manage fluids, and that according to the Drilling / Workover I hereby certify that the information about the confidence of the proposes of the confidence	e new drilling pit and vent/flare on Procedures dated November portion will be unlined, as per the Pit Closure Procedure dated A procedure dated A procedure dated A procedure dated A procedure and complete to the land according to NMOCD guidelines	pit will be an unlined 11, 2004 on file at the the risk ranking criteria ugust 2, 2004 on file t	pit as detailed in Burlington's Reve NMOCD office. A portion of the Burlington Resources anticipate that the NMOCD office. and belief. I further certify that any or an (attached) alternative OCD-ap	vised Drilling / e vent/flare pit will be es closing these pits pit or below-
Burlington Resources proposes to conscious Ecosphere's risk ranking criteria, the Workover Pit Construction / Operation designed to manage fluids, and that according to the Drilling / Workover I hereby certify that the information ab grade tank has been/will be constructed or closs SIGNATURE	e new drilling pit and vent/flare on Procedures dated November portion will be unlined, as per the Pit Closure Procedure dated A cove is true and complete to the legacording to NMOCD guidelines	pit will be an unlined 11, 2004 on file at the he risk ranking criteria ugust 2, 2004 on file to be	pit as detailed in Burlington's Reve NMOCD office. A portion of the Burlington Resources anticipate that the NMOCD office. and belief. I further certify that any or an (attached) alternative OCD-ap	pit or below-proved plan
Burlington Resources proposes to conscious Ecosphere's risk ranking criteria, the Workover Pit Construction / Operation designed to manage fluids, and that according to the Drilling / Workover I hereby certify that the information ab grade tank has been/will be constructed or closs SIGNATURE	e new drilling pit and vent/flare on Procedures dated November portion will be unlined, as per the Pit Closure Procedure dated A procedure dated A procedure dated A procedure dated A procedure and complete to the land according to NMOCD guidelines	pit will be an unlined 11, 2004 on file at the he risk ranking criteria ugust 2, 2004 on file to be	pit as detailed in Burlington's Reve NMOCD office. A portion of the Burlington Resources anticipate that the NMOCD office. and belief. I further certify that any or an (attached) alternative OCD-ap	vised Drilling / e vent/flare pit will be es closing these pits pit or below- proved plan .

Conditions of Approval (if any):



SAN JUAN 27-5 #103M OPERATIONS PLAN

Well Name:

SAN JUAN 27-5 #103M

Objective:

Blanco Mesa Verde/Basin Dakota

Location:

Rio Arriba NM

Elevation:

6664'

Surface Coordinates/Footages

T - 27 N R - 5 W Sec.: 14 1965' FNL 1410' FEL

36° 34.5452' N

Latitude: Longitute: 107° 19.3582' W **Bottom Hole Coordinates/Footages**

T - 27 N R - 5 W Sec.: 14

865' FNL 2180' FEL Latitude: 36° 34.7268' N

Longitute: 107° 19.5480' W

Formation	Top (TMD)	Top (TVD)	Contents
Surface	San Jose	San Jose	-
Ojo Alamo	3041'	2895'	aquifer
Kirtland	3199'	3049'	gas
Fruitland	3695'	4132'	gas
Pictured Cliffs	3895'	3514'	gas
Lewis	4142'	3701'	gas
Huerfanito Bentonite	4355'	3933'	gas
Chacra	4689'	4457'	gas
Upper Cliff House	5274'	5042'	gas
Massive Cliff House	5398'	5166'	gas
Menefee	5544'	5312'	gas
Massive Point Lookout	5890'	5658'	gas
Mancos Shale	6407'	6175'	gas
Upper Gallup	7062'	6830'	gas
Greenhorn	7831'	7599'	gas
Graneros	7890'	7658'	gas
Two Wells	7920'	7688'	gas
Upper Cubero	8033'	7801'	gas
Lower Cubero	8074'	7842'	gas
Oak Canyon	8143'	7911'	gas
Encinal	8162'	7930'	gas
Total Depth:	8162'	7930'	gas

Logging Program:

Cased Hole:

CBL-GR

Open Hole:

None

<u>Mud Program:</u>	Interval (TMD)	<u>Type</u>	Weight (ppg)	<u>Vis. (s/qt)</u>	Fluid Loss (cc/30min)
	0' - 350'	Spud	8.4-9.0	40-50	No control
	350' - 4839'	Non-dispersed	8.4-9.0	30-60	Less than 8
	4839' - 8162'	Air/Air Mist/Nitrogen	n/a	n/a	n/a
Casing program:	Interval (TMD)	Hole Size	Casing Size	Weight	Grade
	0' - 350'	12 1/4"	9 5/8"	32.3#	H-40
	350' - 4839'	8 3/4"	7"	23.0#	L-80
	4839' - 8162'	6 1/4"	4 1/2"	11.6#	L-80
Tubing program:	Interval (TMD)	Hole Size	Casing Size	Weight	<u>Grade</u>
	0' - 8162'	Cased	2 3/8"	4.7#	J-55

Wellhead Equipment

Drilling: See Plot #1

Surface

Drill to surface casing point of 350' and set 9.625" casing.

Intermediate

Mud drill to kick off point of 500'. At this point the well will be directionally drilled by building 4 degrees per 100' with an azimuth of 325.01 degrees. The end of the build will be at a TVD of 1002', a TMD of 1013', a reach of 91', and an inclination of 20.51 degrees. This angle and azimuth will be held to a TVD of 4105', a TMD of 4326', and a reach of 1252'. At this point the well will be drilled with a drop of 4 degrees per 100'. The end of the drop will be at a TVD of 4607', a TMD of 4839', a reach of 1343', and an angle of 0.0 degrees. 7" casing will be set at this point.

Production

From the shoe of the intermediate string, the well will be drilled vertically with an air hammer to a TVD of 7930' (TMD of 8162'). 4.5" casing will be set at this point.

Cementing

9.625" surface casing conventionally drilled: **200%** excess cement to bring cement to surface.

Run 329 cu.ft. (257 sks) Type III cement with 3% CaCl2 and 1/4 pps celloflake (1.28 sks/ cu.ft.). Wait on cement appropriate time until cement achieves 250 psi compressive strength at 60° F prior to nipple up of BOPE. Wait on cement for 8 hrs for conventionally set holes before pressure testing or drilling out from under surface.

7" intermediate casing: **50%** excess cement to bring cement to surface.

Lead with 967 cu.ft. (454 sks) Premium Lite w/ 3% CaCl2, 0.25 pps Cello-Flake, 5 pps LCM-1, 0.4% FL-52 and 0.4% SMS (2.13 sks/ft3). Tail with 124 ft3 (90 sks) Type III cmt. w/ 1% CaCl2, 0.25 pps Cello-Flake and 0.2% FL-52 (1.38 sks/ft3). If cement does not circulate to surface, a CBL or a temperature survey will be run to determine TOC.

4.5" production casing: **30%** excess cement to achieve 100' overlap with intermediate casing. Run 455 cu.ft. (230 sks) Premium Lite HS FM + 0.25pps Cello-Flake, 0.3% CD-32, 6.25pps LCM-1, 1% FL-52 (1.98 sks/ft3.)

Saw tooth guide shoe on bottom. Bowspring centralizers will be run in accordance with Onshore Order #2.

BOP and Tests

Surface to Total Depth - 11", 2000 psi double gate BOP stack (Reference Figure #1).

Surface to Total Depth - choke manifold (Reference Figure #2).

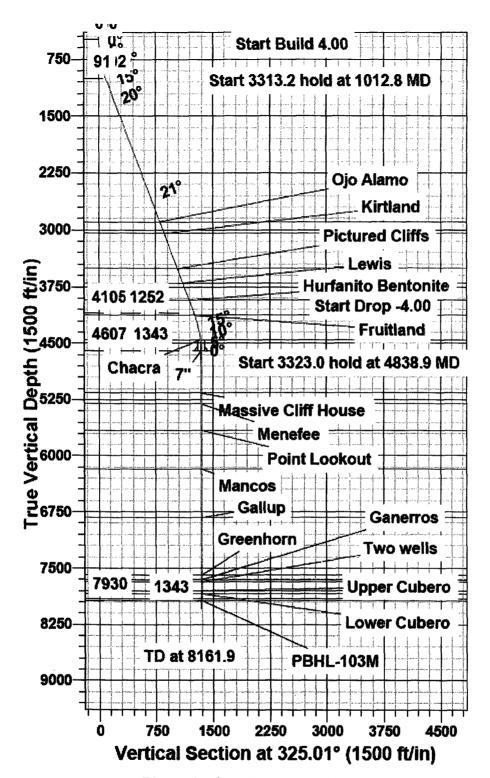
Prior to drilling out surface casing, test BOPE and casing to 600 psi for 30 minutes.

Pipe rams will be actuated at least once each day and blind rams will be actuated once each trip to test proper functioning. A Kelly cock valve and drill string safety valves to fit each drill string will be maintained and available on the rig floor.

BOPE tests will be performed using an appropriately sized test plug and test pump and will be recorded using calibrated test gauges and a properly calibrated strip or chart recorder. The test will be recorded in the driller's log and will include a low pressure test requirement of 250 psig held for five minutes and a high pressure test requirement held for ten minutes as described in Onshore Order No. 2 or otherwise noted in the APD. A successful BOPE test using a test plug is considered when no pressure drop occurs over the duration of the test. Test gauges and recorders must be of the proper range and resolution commensurate with the authorized test pressure. Where the intermediate casing strings are used, only one BOPE test will be necessary contingent upon the test being conducted to the highest approved test pressure to which BOPE will be exposed. Casing pressure tests must be held for 30 minutes with no more than 10 percent pressure drop during the duration of the test.

Additional Information:

- This gas is dedicated to the East half of section 14
- New casing will be utilized.
- Pipe movement (reciprocation) will be done if hole conditions permit.
- No abnormal pressure zones are expected.
- BHP is expected to be 2000 psi.

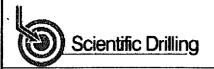


Plot # 1: San Jaun 27-5 Unit 103M

Drilling Engineer

3/30/06

Page



Project: SAN JUAN, NM

Site: SEC14-T27N-R5W Well: SAN JUAN UNIT #103M

Wellbore: OH

Plan: Plan #1 (SAN JUAN UNIT #103M/OH)



SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	•	
500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.0		
1012.8	20.51	325.01	1002.0	74.4	-52.1	4.00	325.01	90.8		
4326.0	20.51	325.01	4105.0	1025.6	-717.9	0.00	0.00	1251.9		
4838.9	0.00	0.00	4607.0	1100.0	-770.0	4.00	180.00	1342.7	CSG.PT-103M	
8161.9	0.00	0.00	7930.0	1100.0	-770.0	0.00	0.00	1342.7	PBHL-103M	

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
CSG.PT-103M	4607.0	1100.0	<i>-</i> 770.0	2030320.00	649014.91	36° 34' 43.618 N107°	19' 32.961 W	Point
PBHL-103M	7930.0	1100.0	-770.0	2030320.00	649014.91	36° 34' 43.618 N107°	19' 32.961 W	Circle (Radius: 100.0)

PROJECT DETAILS: SAN JUAN, NM

Geodetic System: US State Plane 1927 (Exact solution)

Datum: NAD 1927 (NADCON CONUS) Ellipsoid: Clarke 1866

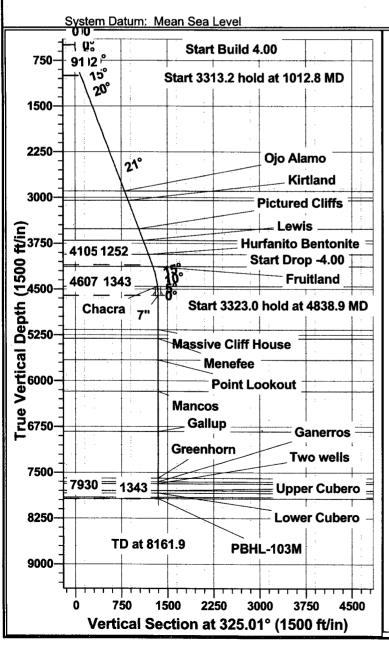
Zone: New Mexico West 3003

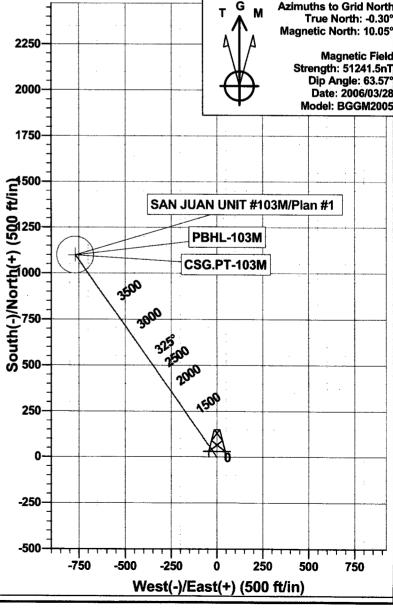
WELL DETAILS: SAN JUAN UNIT #103M

Ground Level: Northing 2029220.00

6664.0

Easting Latittude Longitude 649784.91 36° 34' 32.700 N107° 19' 23.592 W



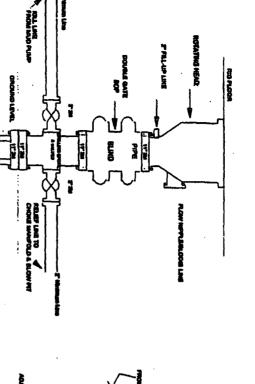


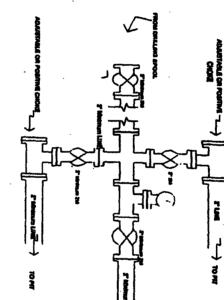
Completion/Workover Rig BOP Configuration 2,000 pel System

Dritting Rig Choke Manifold Configuration 2000 pal System

Burlington Resources

2000 psi System **Drilling Rig**





Oneth Octo CD2

Point to Total Depth. 2,000pel working pressure Choke mentiold installation from Surface Casing equipment with two chokes.

Figure #3

tipe rame. A stripping head to be installed on the top of Operations. 7-1/16" bore, 2000 pel minimum working inimum BOP installation for all Compistion/Workover seure double gate BOP to be equipped with blind and

the RCP. All BCP equipment is 2000 pai working ure or greater exchaling 600 pel stripping head.

Figure #1

, **=**

4-20-01

4-20-01