UNITED STATES

FORM APPROVED Budget Bureau No. 1004-0136 Expires: February 28, 1995

Oil Well Gas W Oil Well Gas W Oil Well Gas W Oil Well Gas W On Me	Reilly Ave Farmingtor (505) 327-9801 es) 850' fnl & 1600' fel (nw se) Same Directions from Nearest Town or Post South of Farmington Id (Also to nearest drig, unit line, if at p. Ft 850'	v ne)	Single Well On 7401 SEP C T Chaco Plant	Multiple		6. If Indian, Allottee or To 7. If Unit or CA, Agreem 8. Well Name and No. Yahtzee No. 9. API Well No. 9. API Well No. 10. Field and Pool, or Exp Basin Fruitland 11. Sec., T., R., M., or BL and Survey or Area Section 14, T2 12. County or Parish San Juan	o. 1 -302 ploratory Area d Coal
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Property or Lease Line 18 Distance from Propose to Nearest Well Drilling or Applied for, on this	Location g, Completed,	19 Prop	320 acres		17.No. of Acres As	ssigned to This Well	
to Nearest Well Drilling or Applied for, on this	z, Completed,	119. Prop	320 acres		}) acres	
	1000'		osed Depth		20 Rotary or Cabl	le Tools	
21 Elevations (Show whet	Lease, FT ~ 1000		~1360'		Rot	otary	
•	her DF, RT, GR, etc) 6090' GR, 609	 15' RKB		,	"	Date Work will Start	
	Pi	ROPOSET	CASING AND CEMENTING	PROGR	1	soon as permitted	
SIZE OF HOLE	SIZE & GRADE OF C		WEIGHT PER FOOT	SET	TING DEPTH	QUANTITY OF	CEMENT
8-3/4"	7" J55		23 ppf	~120'		~30 sx (35 cuft)	
6-1/4"	4-1/2" J55		10.5 ppf	~1360	KR	~114 sx (181 cuft	:)
surface with ~3 mud system. R sx 'B' (109 cuft) circulate to surfa A wate not reach surfa Will te operations belo	O sx 'B' w/ 2% CaCl2 (35 tun open hole surveys. V lead slurry followed by 6 ace (will adjust volumes to er spacer will be pumped ce, a temperature log or cost Fruitland Coal through	5 cuft). W Vill set 4- 51 sx 'B' (based up ahead of cement b perforate conducte	native mud to approx 120' fill drill 6-1/4" hole to TD @ 1/2" 10.5 ppf J55 productio 72 cuft) cement to fill from on caliper log). If the lead slurry to prevent ond log will be run to deter ed casing. Will fracture stind with a Bag type BOP in production of the lead slurry to prevent log will be run to deter ed casing.	approx on casing total dep mud con mine top nulate ar	1360' KB with from TD to so the to surface tamination of of cement.	h low solids non-dissurface. Will cement. Top of Cement shows the cement. If cemproduction test. Dri	persed it with 53 ould nent does
• •	• •		ed as part of this APD as p	er the er	iclosed topo	map.	
This on	then to subject to technic	cel end					ZOD ARF
and ap	ifel newisw purationt to obed purationt to 43 CPA	43 CFR : 31 95.4.	318 5.3			alan Potanos mate Regelle Meanon	. ATTACHEI

Steven S. Dunn Title Drilling & Prod Manager Date June 20, 2000 Permit No.

Approval Date

Approval Date

Approval Date

Approval, if any:

Approval, if any:

Approval, if any:

Approval, if any:

Approval Date

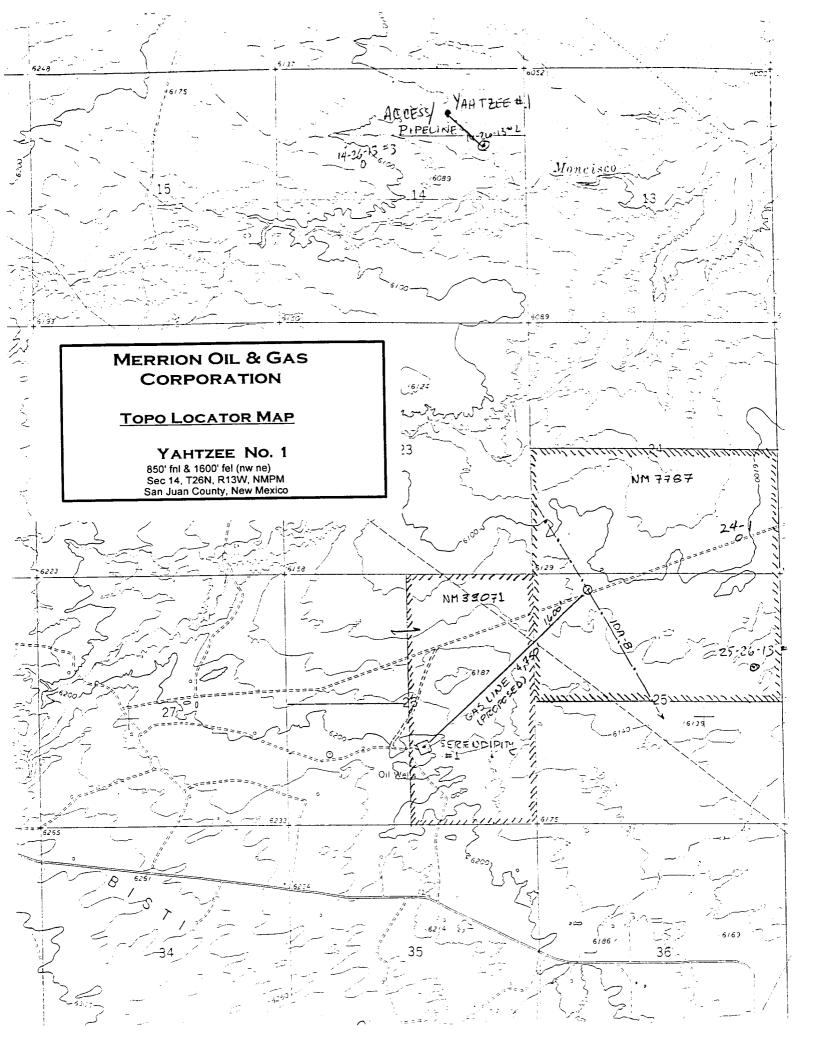
Approval SEP 19 203 NAVICO

State of New Mexico Energy. Minerals & Mining Resources Department

OOL CONSERVATION DIVISION 2040 South Pacheco Santa Fe. NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

			WELL	LOCATION	A DNA NC	CREAGE D	EDICATION	PLAT	• • •	
APA Number Pool Code					Paul Name					
30-045-30292				11629	}	Basin Fruitland Coal				
Property Code			Property Name				Wel Number			
7889	0				YAHTZ					
0GRID No. 014634				Operator Name					Elevation	
			MERRION OIL & GAS					6090		
					Surfac Feet from>	e Location	Feet from>	East/West	County	
UL or Lot	Sec.	Twp.	Rge.	Lot kin.	I I	NORTH	1	EAST	SAN JUAN	
В	14	26 N.	13 W.			I Different	1600	EV21	3/11/30/11	
UL or Lot	Sec.	Тур.	Rge.	Lat lan.		North/South		East/West	County	
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<u> </u>	_				-		7 <u>14 Jan</u>			
					<u> </u>				PERATOR CERTIFICATION	
				•	850			con	reby certify that the information tained herein is true and complete	
						·		to	the best of my knowledge and	
					d)	500'	beli	er_	
					*	· ·		Sign	ature	
					·					
								Prin	nted Name	
e e		Lease	Numb	oer: NM	I-31059			Tid	Connie S. Dinning	
									Engineer	
		· ·						Da	June 14, 2000	
				1	•				SURVEYOR CERTIFICATION	
Andrew to be a consequence of the parameter	e e e e e e e e e e e e e e e e e e e	and the second s	ماكة مروات الماوي							
				1				l lon	ereby certify that the well location this plat was plotted from field	
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Merrion Oil & Gas Corporation

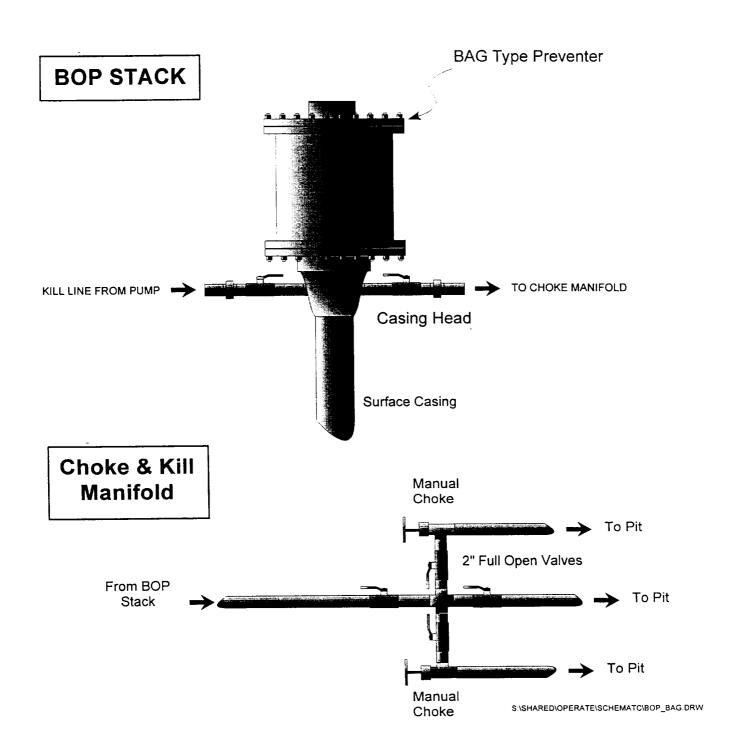
Well Control Equipment Schematic for 1M Service

Attachment to APD Form 3160-3

Yahtzee No. 1

Location:

850' fnl & 1600' fel (nw ne) Sec 14, T26N, R13W, NMPM San Juan County, New Mexcio Date: June 14, 2000 Drawn By: Connie S. Dinning



3. DRILLING MUD PROGRAM

- A. A 8-3/4" surface hole will be drilled with fresh water system, lime and gel added to provide viscosity as needed.
- A 6-1/4" hole will be drilled to total depth utilizing a low solids non-dispersed mud system.
 Additives such as starch, cmc, and others will be used to control mud characteristics as necessary.
 No materials of a hazardous nature will be added to the drilling fluid in hazardous quantities.
 Lost circulation materials will not be stored on location.
 Mud weighting materials will not be stored on location.

WEIGHT VISCOSITY WATER #/GAL SEC/OT LOSS CC INTERVAL MUD SYSTEM Native < 9.0 0 - 120' 35-55 28-45 NA 120' - 1360'±LSND 8.6-9.1

Maximum anticipated mud weight is 9.1 lb./gal (0.47 psi/ft).

C. Mud trip monitoring will be done visually.

4. HAZARDS

- A. Abnormal Pressure is not expected to be a problem in this area.
- B. Lost circulation is not expected to be a problem in this area.
- C. No H_2S is expected. However, should H_2S be found during drilling, detection and warning equipment will be installed.
- D. Unintentional hole deviation is not expected to be a problem. Single shot surveys giving hole inclination will be run a minimum of every 500 feet.

5. LOGGING AND TESTING

- A. An Induction, Density Log will be run from TD across zones of interest.
- B. Drill stem tests will not be run.
- C. No coring is anticipated.
- D. A mud logging unit may be used during drilling.

6. CASING PROGRAM

A. Casing:

	Description	Top	Bottom	
1	7" 23# J55	Surface	120 ft ±	
2	4-1/2" 10.5# J 55	Surface	1360 ft ±	

Merrion requests that a variance be granted to allow us to set surface casing at the proposed depth of \pm 120' because this setting depth has been shown to be adequate as demonstrated by the innumerable wells that have been previously drilled in the area without incident. In addition, the potential for a gas kick is very low.

Estimated formation pore pressure gradient is ~0.26 psi/ft.

B. A proposed wellbore schematic is attached.