District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV

State of New Mexico **Energy Minerals and Natural Resources**

Submit to appropriate District Office

Oil Conservation Division OCO 1220 South St. Francis Dr.

State Lease - 6 Copies Fee Lease - 5 Copies

Form C-101

Revised June 10, 2003

1220 S. St. Fr	ancis Dr., S	Santa Fe, NM	87505			Santa Fe, N	M 87505	"ES/A		AMENDED REPORT			
APPLICATION FOR PERMIT TO DRILL, RE- Operator Name and Address Reliance Energy, Inc. 6 Desta Drive, Suite 5500						RE-ENTE	API Number						
Midland, Texas 79705 Property Code 5 Property							30 - 005 - 63 S8			5 Well No.			
	26570				Willow	Springs "20" Sta							
⁷ Surface 1							Location						
UL or lot no.	Section	Township	Range	Lot I	Idn Feet from the		North/South line	Feet from the	East/West li	ne County			
M	20	48	25E			660	south	660	west	Chaves			
8 Proposed Bottom Hole Loca						Location If	ution If Differe						
UL or lot no.	Section	Township	Range	Lot I	dn	Feet from the	North/Sou	Cement to cover all oil, gas and water bearing zones.					
		° F	Proposed Pool 1				MASSIGN PROSESSION						
Pecos Slope Abo													
	Type Code		12 Well Type Code			13 Cable/Rotary		¹⁴ Lease Type Code		15 Ground Level Elevation 3882'			
¹⁶ M	Iultiple VO		G 17 Proposed Dept 5800'	pth		18 Formation Abo		19 Contractor		²⁰ Spud Date 8-1-2003			
			21	Propos	sed Ca	sing and Ce	ment Progra	am					
Hole Size Casing Size Casing weight/foot							Setting Depth Sacks of Cement Estimated TOO						
					42#	T		350		surface			
11		i	8-5/8		24#		1900	350		1200			
7-7/8		5.	5-1/2		15.5#		4250	350		3000			
Describe the Approxim intermedia	blowout prately 900 ate casir	revention prog 0' surface ng at appro	gram, if any. Uso casing will b	e additiona ne set al 100'. 7-	al sheets nd cen 7/8" ho	if necessary. nented to sha ble will be dri	ut off gravel a		1" hole wi	osed new productive zone. Il be air drilled with Il be set and			
BOP Prog	gram: 10	000# BOP	installed on	8-5/8"	and te	sted daily: ro	tating head v	while air drilling					
			n given above is	true and co	omplete t	to the	OIL	CONSERVA	TION DI	VISION			
best of my knowledge and belief. Signature: Signature:						Appro	Approved by Bund						
Printed name: Laura Clepper							Title: O. t. + Supravisor						
Title: Regulatory Analyst							oval Date:	JL 24 ZUC	Expiration Da				
· .	,	er@reimid.co	m	_						-			
Date: 7/2/2003 Phone: 432 683-4816				l l	tions of Approva	NOTIFY OCD SPUD & TIME TO WITNESS 8 5/8" CASING							

DISTRICT I 1625 N. French Dr., Hobb DISTRICT II 1301 W. Grand Avenue, A DISTRICT III 1000 Rio Brazos Rd., Azte DISTRICT IV 1220 S. St. Francis Dr., Sa	rtesia, NM 882 c, NM 87410 unta Fe, NM 87	210 (7505 LL LOCA	, Minerals DIL CON 122 Sant ATION A	s, and Na NSERV O South	ATION D St. Francis I w Mexico 87	DEDICATIO	203 CS/A	Revised Aug Appropriate Dis	Form C-102 ust 15, 2000 strict Office se - 4 copies se - 3 copies D REPORT			
¹ API Number		2 Pool 9273										
Property Code 24570		. 1	WILLOW	5 Propert	y Name GS "20"	STATE	Well Number 2					
⁷ OGRID №.		-	RELIA	* Operati		NC.	⁹ Elevation 3882'					
149441 RELIANCE ENERGY, INC. 3882'												
UL or lot no. Section M 20	Township 4 SOUTH	Range 25 EAST,		Let Idn	Feet from the	North/South line SOUTH	Feet from the 660°	East/West line WEST	County CHAVES			
	7 500111			notion If	Different Fr			WESI	CHAVES			
UL or lot no. Section	Township	Range			Peet from the	North/South line	Feet from the	East/West line	County			
Dedicated Acres 13 July 320 0	nt or Infili	¹⁴ Consolidation	Code	¹⁵ Order No.		·	<u> </u>					
NO ALLOWABLE W	NO	N-STANDAI				BY THE DIVIS	In OPERATOI I hereby certify that the is complete to the best of	R CERTIFICA Iformation contained here If my knowledge and Clepper Analys R CERTIFICA I mell location shown on factual surveys made by it same is true and correct to E 23, 2003 of Professional Survey ER R.P.S.	ATION that is terms and beling. ATION this plat was no or under my of the best of my			

Reliance Energy, Inc. 6 Desta Drive, Suite 5500 Midland, Texas 79705

July 25, 2003

Bryan Arrant New Mexico Oil Conservation Division 1301 West Grand Avenue Artesia, NM 88210

RE: APD Willow Springs 20 State 2

Sec. 20 T4S R25E Pecos Slope Abo

Chaves County, New Mexico

Dear Bryan:

Based upon our research and present operations in this area, and to the best of my knowledge and belief, we have yet to encounter any H2S in this field. Following this letter is a gas analysis from our well in Section 19.

Please do not hesitate to call, write or fax me for any further information that may be necessary as follows:

Phone: 432 683-4816 Mailing address in header Fax 432 682-1250

Thank you.

Sincerely.

Laura Clepper

BENHAM NATURAL GAS SERVICE

PHONE : 915/335-9222

2317 FIELD. UNIT "J"

ODESSA, TX 79761

HYDROCARBON ANALYSIS

LABORATORY REPORT

DATE RECEIVED 01-17-03 DATE OF RUN 01-18-03

A SAMPLE OF GAS

STATION NUMBER

FROM RELIANCE

OPERATOR CODE

LEASE WILLOWSPRINGS 19-1

PLANT ROSWELL

GAS TO AGAVA SECURED BY FARRIS BENHAM LINE PRESSURE 110.0#

EFFECTIVE DATE 02-01-03 SECURED DATE 01-15-03

LINE TEMPERATURE 0.0'F

CHROMATOGRAPH ANALYSIS @ 14.65 PSIG & 60 DEG. F

	GAS VOL. Or mol.%	GPM		,	•		
H2S			GASC	DLINE CONT	TENT (G.P.M.)		
H20	•						
HELIUM			IC5+	GASOLINE	0.385		
CARBON MONOXIDE			100%	PROPANE	0.502		
OXYGEN			EXCESS	BUTANES	0.305		
NITROGEN	6.76						
CARBON DIOXIDE	0.01			TOTAL	1.192		
METHANE	84.98						
ETHANE	4.50	1.197	BTU DATA				
PROPANE	1.83	0.502					
ISO-BUTANE	0.32	0.104	REAL (WET)	1040	REAL (DRY)	1059	
N-BUTANE	0.54	0.201	IDEAL (WET	r) 1038	IDEAL (DRY)	1056	
ISO-PENTANE	0.21	0.076					
N-PENTANE	0.23	0.083					
HEXANES	0.52	0.226	SPECIFIC GRAVITY				
HEPTANES							
OCTANES			MEASURED 0.0000				
			IDE	AL (CALC)	0.6575		
			REAL	• •			
	100.00	2.389			Ţ.		

RUN BY: FARRIS BENHAM CHECKED: FARRIS BENHAM APPROVED: FARRIS BENHAM ADDITIONAL DATA AND REMARKS :

COPIES TO :

1 - FILE

2 - RELIANCE