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JUL 1 3 1995 UCD HOBUS OFFICE DISTRICT I P.O. Box 1980, Hobbs, NM 88240

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410 State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 Revised February 10, 1994 Instruction on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

OIL CONSERVATION DIVISION P.O. Box 2088 Santa Fe, New Mexico 87504-2088

□ AMENDED REPORT

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WELL LOCATION AND ACREAGE DEDICATION PLAT

API 1 30-025	Number - 33[)26		Pool Code 51683 UNDES. RED TANK BONE SPRII			NGS				
	Property Code Property Name					Well Number					
OGRID No. 17891				Operator Name POGO PRODUCING CO.						Elevation 3729	
L <u>a . a</u>						Surface I	loca	tion			
UL or lot No.	Section	Township	Range	Lot I	Idn	Feet from th	ne	North/South line	Feet from the	East/West line	County
	13	22 S	32 E			1650		SOUTH	330	WEST	LEA
r		r						rent From Sur			
UL or lot No.	Section	Township	Range	Lot I	ldn	Feet from th	1e	North/South line	Feet from the	East/West line	County
Dedicated Acres	N	N	onsolidation			r No.					
NO ALLO	WABLE W							TIL ALL INTERN APPROVED BY 7		EN CONSOLIDA	TED
330' 99 1 1									I hereby contained herein best of my know Signature Richard Printed Name Division Title Date SURVEYO I hereby certify on this plat was actual surveys supervison and correct to the MARC Date Surveyed Signature K.S Professional Wich Nut Ceruficate So	L. Wright <u>Operations</u> 15, 1995 R CERTIFICAT that the well locatu s plotted from field made by me or that the well locatu s plotted from field made by me or that the sume is best of my belief CH 30, 1995 C. E. U. Surveyor Surveyor M. 95-11-54	Mgr. Mgr. ION on shown notes of under my true and SJA



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JUL 1 3 1995 UCD HOBUS OFFICE

SUPPLEMENTAL DRILLING DATA

POGO PRODUCING COMPANY WBR FEDERAL WELL NO. 3

1. SURFACE FORMATION: Quaternary.

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Anhydrite	850 '
Delaware Lime	4800'
Cherry Canyon	6100'
Brushy Canyon	7400'
Bone Springs	* 0088

3. ANTICIPATED POSSIBLE HYDROCARBON BEARING ZONES:

Delaw	vare	0i1
Bone	Springs	0i1

4. PROPOSED CASING AND CEMENTING PROGRAM:

	SETTING DEP					
CASING SIZE	FROM	TO	WEIGHT	GRADE	JOINT	
13-3/8"	0	800'	54.5#	J-55	STC	
8-5/8" "	0 4300 '	4300' 4600'	32# 32#	J-55 S-80	STC STC	
5-1/2" "	0 1000' 7000'	1000' 7000' 10,200'	17# 17# 17#	N-80 J-55 N-80	LTC LTC LTC	
MINIMUM DESIGN FACTORS:	COLLAPSE_	1.1 BL	JRST1.1	TENSION	1.2	

13-3/8" casing to be cemented with 500 sacks of light cement tailed in with 200 sacks of Class "C" with 2% CaCl. Cement to circulate.

8-5/8" casing to be cemented with 1200 sacks of light cement with 10% salt tailed in with 200 sacks of premium cement with 1% CaCl. Cement to circulate.

5-1/2" production casing is to be cemented with approximately 700 sacks

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JUL 1 3 1995 UCD HOBES OFFICE of light cement followed by 400 sacks of premium cement. Cement to tie back 200 feet into the 8-5/8" casing.

If, during drilling operations, need for stage cementing of casing is indicated, staging tool(s) will be run and positioned to best suit hole conditions at time casing is run.

Cement volumes may be adjusted and cement may have lost circulation and/or other additives depending on hole conditions at the time casing is run.

5. PRESSURE CONTROL EDUIPMENT:

Blowout prevention equipment, while drilling the 11" hole, will be either a 3000 psi working pressure double ram type preventer or a 3000 psi working pressure annular type preventer.

Blow out prevention equipment, while drilling below the 8-5/8" casing seat, will be a 3000 psiworking pressure BOP stack. A BOP sketch is attached.

6. CIRCULATING MEDIUM:

Surface to 800 feet: Fresh water base fluid with gel and paper sweeps for hole cleaning. Mud wgt 8.4 ppg - 8.6 ppg Viscosity 28 - 32 seconds per quart.

800 feet to 4600 feet: Brine water base fluid with salt gel and paper sweeps for hole cleaning. Mud wgt 10.0 ppg - 10.2 ppg Viscosity 28 - 32 seconds per quart.

- <u>4600 feet to T.D.</u>: Fresh water base fluid with gel and paper sweeps for hole cleaning. Mud wgt 8.4 ppg - 8.6 ppg Viscosity 28 - 32 seconds per quart.
- 7. AUXILIARY EQUIPMENT:

A mud logging trailer will be in use while drilling below the interdediate casing.

8. TESTING, LOGGING, AND CORING PROGRAM:

Drill stem tests will be made when well data indicate a test is warranted.

It is planned that electric logs will include GR-CNL-Density logs and GR-DLL logs.

No coring is planned.

9. ABNORMAL PRESSURES, TEMPERATURES, OR HYDROGEN SULFIDE GAS:

No abnormal pressures or temperatures are expected.

Expected bottom hole pressure is about 3900 psi.

Expected bottom hole temperature is about 135 degrees Fahr.

No hydrogen sulfide gas is expected. The production stream of Pogo Producing Company's wells in this area have been tested specifically for hydrogen sulfide gas and test results were negative. However, since it is possible that low-volume hydrogen sulfide gas may be present in permeable water zones of the Castile formation, drilling operations below the surface casing will be in accordance with the attached "HYDROGEN SULFIDE DRILLING OPERATIONS PLAN" until intermediate casing is set and cemented and this possible source of hydrogen sulfide gas is cased off.

10. ANTICIPATED STARTING DATE:

It is planned that operations will commence upon approval of this application, with drilling and completion operations lasting about 30 days.



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