District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Sante Fe, NM 87504-2088

Russell Whited

Operations Supt.

(915)520-4345

Title:

Date:

Sept. 6, 1995

State of New Mexico

Energy, Minerals, & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe. NM 87504-2088 Form C-101
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

AMENDED REPORT

APPLICA	TION F					, DEEPEN,	PLUGBAC	K, OR ADD	AZONE	
1 Operator Name and Address							2. OGRID Number			
Merit Energy Company							3. API Number			
12222 Merit Drive, Suite 1500							22.00			
Dallas, TX 75251						To a section We want		30-025	- 33096 6.Well No.	
4. Property Code			5. Property Name					46		
7694 Lan					nglie Mattix Queens Unit Lease				40	
				7.	Surface Lo					
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
[15	25	37		2620	South	1300	East	Lea	
8. Proposed Bottom Hole Location If Different From Surface										
UL or lot no.	1		Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
ļ	15	25	37		2620	South	1300	East	Lea	
	Donro	se Queer	posed Pool 1	ا مانما	rattin	TRUCS (ما لا			
	remos	Se Queer	15 ~~	me r	<u>cacaj</u>	11-113				
11. Work Type Code 12. Well T		pe Code 13. Cr		able/Rotary	14. Lease Type Code		15. Ground Level Elevation			
N		0		R		P		3105'		
16. Multiple		17. Proposed Depth		18. Formation		19. Contractor		20. Spud Date		
No		3700		Penrose Qu		Nabors		ASAP		
			21.	Propose	d Casing a	nd Cement	Program			
Hole Size		Casing Size Ca		sing wieght/foot				f Cement Estimated TOC		
12 1/4		8 5/8		24		1050	500sx (Surface	
7 7/8		5.5		15.5		3700 700sx		Class C Surface		
-										
							<u>L</u>		1 1	
22. Describe the	e proposed pr	ogram. If this a	pplication is: am, if any. U	to DEEPEN or se additional	PLUG BACK give sheets if neccess	the data on the pre- ry.				
201101 20201110			, •				MSL-	355	6	
Merit Ene	rgy Com	pany prop	oses to	drill and t	test the 7-R	Rivers Queen	s formation	ı. Approx.	•	
1050' surf	ace casi	na will be	set & cir	culated t	o surface.	Approx. 370	0' production	on		
casing wil	l be ran	& cemente	ed to sur	face, per	forated & s	timulated as	needed fo	r production	١.	
Mud prog	ram FW	to 1050', d	cut Brine	to 3700	١.					
BOPE Pro	ogram: E	OPE will b	e install	ed at the	offset and	tested daily	for operation	onal conditi	ons.	
1										
		information give		ue and		CONCED	I AMTORI I			
	s seek of my h	Inowledge and b	++			OIL CONSERVATION DIVISION				
Signature:					ORIGINAL SIGNED BY JERRY SEXTON					
Mund Wave				Title: DISTRICT I SUPERVISOR						

Approval Date:

Attached []

Conditions of Approval:

1 4 1995

Expiration Date:



OCU HOBBS

DISTRICT I P.O. Box 1980, Hobbs, NM 88240

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

Professional Surveyor

W.O. Num. 95-11-0045

RONALD J. EIDSON,

Certificate No. JOHN W. WEST,

676

State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT II P.O. Drawer DD, Artesia, NM 58210

DISTRICT III 1000 Rio Brezos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

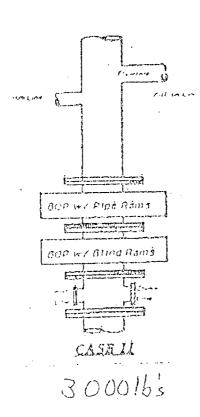
WELL LOCATION AND ACREAGE DEDICATION PLAT

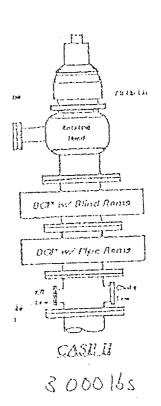
☐ AMENDED REPORT

30-025-33090 37240 Mattip-Rivers Queen Property Code Property Name Well Number 7 (94) LANGLIE MATTIX 46 OGRID No. Operator Name Elevation								
OGRID No. Operator Name Elevation								
14591 MERIT ENERGY COMPANY 3105'								
Surface Location								
UL or lot No. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County								
15 25 S 37 E 2620 SOUTH 1300 EAST LEA								
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								
Dedicated Acres Joint or Infill Consolidation Code Order No.								
40								
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								
OPPRIMATE OF STREET								
OPERATOR CERTIFICATION								
I hereby certify the the information contained herein is true and complete to the								
best of my knowledge and belief.								
Russell Whitel Signature Russell Whited Printed Name Openation's Supt. Title 9-6-95								
Signature								
Pussell Whited								
Printed Name								
Operations Supt.								
Title 9 (-95								
Date								
CHRYEVOR CERTIFICATION								
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								
supervison, and that the same is true and								
correct to the best of my belief.								
APRIL 06, 1995								
Date Surveyed								

Exhibit B

Exhibit B-1





MERIT ENERGY COMPANY

Langlie Mattix #46 2640 FSL - 1320 FEL Unit I, Section 15-T25S-R37E Lea County, New Mexico

1. The estimated top of geologic markers are as follows:

Base Red Beds 1000' Top Salt 1090' Yates 2820' 7-Rivers 2900' Oueen 3300' Penrose 3450'

2. The estimated depth at which anticipated water, oil and gas are expected to be encountered:

Water

Surface to 500'

Oil and Gas

Yates @ 2820' to Bottom Penrose 3700'

- 3. Pressure Control Equipment: BOPE will be installed on the 8 5/8" casing and rated for 3000#. BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface plug and will remain in use until the well is completed or abandoned. Preventors will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. See Exhibit B & B-1.
- 4. Auxiliary Equipment and proposed Casing Program:

A. Auxiliary Equipment: Kelly Cock, pit level indicators, flow sensor equipment, and a sub with full opening valve to fit drill pipe and collars will be available on rig floor in open position at all times for use when Kelly is not in use.

B. Casing and Cementing Program:

Hole Size: 12 1/4" Total Depth: 1050' Casing Size: 8 5/8"

Setting Depth: 1050' Mud Weight: 8.8 ppg

Surface Casing Design:

O.D. Weight Grade Thread Coupling Interval Length 8 5/8" 8R ST & C 0-1050' 1050' 24# J-55

Minimum Casing Design Factors:

Collapse 1370, Burst 2950, Tensile Strength 3.81

Cement Program:

Lead Slurry: 550 sacks-Class A with 2% CaCl2

1/4 lb per sack Cellophane Flake

Expected Linear Fill: True Hole Volume-1089 feet

Slurry Properties: Weight-12.8 ppg Yeild-1.98 cu.ft./sack

Total Depth: 3700' Casing Size: 5 1/2" Setting Depth: 3700' Mud Weight: 8.7 ppg Hole Size: 7 7/8"

Casing Design:

O.D. Weight Grade Thread Coupling Interval Length 5 1/2 15.5# J-55 8R LT & C 0-3700' 3700'

Langlie Mattix #46 Page 2 of 2

Minimum Casing Design Factors:

Collapse 40.40, Burst 48.10, Tensile Strength 2.17

Cement Program:

Lead Slurry: 700 sacks Class "C" with .2% Calcium Cloride, 1/4# per sx Cello-Flake

Calculated Linear Fill: True Hole Volume-3785.8. Slurry Properties: Weight-15.6 ppg Yeild-1.18 cu.ft./sack

5. Mud Program and Auxiliary Equipment: From 0 to 1050' (Minimum).

Mud Weight: 8.6 ppg, Viscosity: 32 sec./1000 cc, Water Loss: N C cc, Mud Type:FW Gel/LCM. Mud will be checked tourly by mud engineer. Sufficeint quantities of mud will be kept on location to maintain minimum properties.

From 1050' to 3700' (Minimum Properties).

Mud Weight: 10.2 ppg, Viscosity: 34-40 sec./1000cc, Water Loss: N/C cc. Mud Type: Brine, use salt water gel for hole sweeps. Mud will be checked tourly by mud engineer. Sufficient quantities of mud will be kept on location to maintain minimum properties.

- 6. Testing, Logging and Coring Program: Samples: Every 10' from surface casing to TD. DST's: Any tests will be based on the recommendations of the wellsite Geologist as warranted by drilling breaks and shows. Coring: None Anticipated Logging: CNL-FCD form TD to casing, with GR-CNL up to Yates @ 2820'.
- 7. Abnormal Conditions, Bottom Hole Pressure and Potential Hazards:

Anticipated BHP:

From: 0' to 1050' Anticipated Max. BHP: -0- PSI From: 1050' to 3700' Anticipated Max. BHP: 1000 PSI

Abnormal Pressures Anticipated: None

Lost Circulation Zones Anticipated: Possible lost circulation 1050' to 3700'.

H2S Zones Anticipated: Yates 2820' 7-Rivers 2900', Queens 3300', Penrose 3450'

Maximum Bottom Hole Temperature: 104 degrees Fahrenheit

8. Anticipated starting date: As soon as possible after approval with the drilling time being approximately 10 days and the completion time being another 12 days.