District 1 – (575) 393-6161 1625 N French Dr , Hobbs, NM 88240 District II – (575) 748-1283 811 S First St , Artesia, NM 88210 District III – (505) 334-6178 1000 Rio Brazos Road, Aztec, NM 87410 District IV – (505 476-3460 1220 S. St. Francis Dr , Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

June 16, 2008

Submit to appropriate District Office

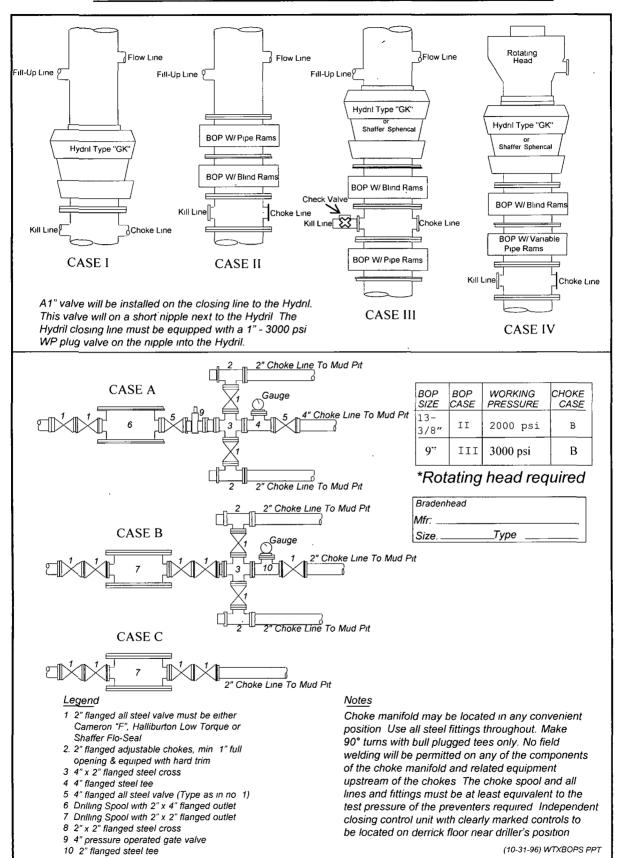
Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

☐ AMENDED REPORT

Form C-101

AP	PLICA	ΓΙΟΝ Ι				LL, RE	E-ENTER,	DEEPI	EN, PLUGB	ACK,	OR A	DD A ZONE
			Operator Name SM Energy	and Addre	200		154903 OGRID Number					
SM Energy Company 3300 N A Street Bldg 7 Suite 200 Midland, TX 79705						30 - 015 - 39237				7		
Property Code Property					Property N Parkway	y Name ay 36 5747E Well No 4H				No		
	192		90 10 11									
			⁹ Proposed Pool 1 arkway Bone Sprin	Q			¹⁰ Proposed Pool 2					
				<u> </u>	7	Surfac	e Location					
UL or lot no	Section 36	Township 19 S	Range 29 E	Lot Idn Feet		Feet from	n the North/S	outh line uth	Feet from the 440	East/West line West		County Eddy
			8 Pro	posed B	ottom	Hole Lo	cation If Diffe	erent From	n Surface		L.	
UL or lot no	Section 36	Township Range 19 S 29 E		<u> </u>	Lot Idn Feet from 330				Feet from the 330	East/West line East		County Eddy
	L				Addit	ional V	Vell Informa	ation				
11 Work Type Code New Well			12 Well Type Co Oil	ode 13 Cable		e/Rotary 14 I		Lease Type Code State		15 Ground Level Elevation 3330°		
¹⁶ Multiple No			¹⁷ Proposed Dep 12,500'	· •		Bone S	mation Spring		¹⁹ Contractor		²⁰ Spud Date 3/1/2012	
1 Propose	d Casing	g and C	ement Progr	am						·		
Ĭ			asing Size	Casing weight/foot			Setting D	Setting Depth Sacks		Cement I		Estimated TOC
26"		20"		94			300°		600 sx		Circ to Surf	
17.5"		13 3/8"		54.5		1500'		1000 sx		Circ to Surf		
12 ¼"		9 5/8"		36		3500	3500'		925 sx		Circ to Surf	
8 3/4	•	7"		26		8500	8500`					
6 1/8		nrogram	45"	ie to DEE	IL6 PEN or	PLUGBA	CK give the dat		n the present productive zone and proposed new produc			ew productive zone
SM Energy and cementi	Company ing times s casing will	proposes o the surf be run ar	ace and intermed and utilize packer	way 36-41 diate casin	-I. A cl	losed-loo gs can be	p mud system witnessed. A	continger	ed. SM Energy v ncy plan for H2S as need for produ	is attached	ed. If cor	
²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief					OIL CONSERVATION DIVISION							
Signature Molsolu Mily					Approved by							
Printed name Malcolm Kintzing					Title. Grevlogist							
Title. Engineer						Approval Date 07/26/11 Expiration Date. 07/26/13						
E-mail Addre	ess. MKint	zing@SI	M-Energy.com					-	,,,			•
Date 6/29/11 Phone. 432.688.3125					Conditions of Approval Attached							

SM Energy Company MINIMUM BLOWOUT PREVENTER REQUIREMENTS



SM Energy Company 3300 N. A Street, Suite 200 Midland, TX 79705 (432) 688-3125 (Office) (432) 682-1701 (Fax)

6/23/11

District 2 Geologist New Mexico Oil and Gas Division 811 South First Street Artesia, NM 88210

Re: Parkway 36-4H

SHL: 660' FSL & 440' FWL BHL: 330' FSL & 330' FWL

Sec. 36-T19S-R29E

Eddy, NM

Rule 118 H2S Exposure



SM Energy Company has evaluated this well and we do not expect to encounter hydrogen sulfide. However, we will employ a third party monitoring system. We will begin monitoring prior to drilling out the intermediate casing and will continue monitoring the remainder of the well.

Please contact me if you have any additional questions.

Sincerely,

Molselu Vilging Malcolm Kintzing

Engineer

Hydrogen Sulfide Drilling Operations Plan

- 1. Company and Contract personnel admitted on location should be trained by a qualified H₂S safety instructor to the following:
 - A. Characteristics of H₂S.
 - B. Physical Effects and Hazards.
 - C. Proper Use of Safety Equipment and Life Support Systems.
 - D. Principle and Operation of H₂S Detectors, Warning System and Briefing.
 - E. Evacuation Procedure, Routes and First Aid.
 - F. Proper Use of 30 minute Pressure Demand Air Pack.

2. H₂S Detection and Alarm Systems

- A. H₂S Detectors and Audio Alarm System to be Located at Bell Nipple, End of Blooie Line (mud pit) and on Derrick floor or doghouse.
- 3. Windsock and/or Wind Streamers
 - A. Windsock at Mud Pit Area Should be High Enough to be Visible.
 - B. Windsock at Briefing Area Should be High Enough to be Visible.
 - C. There Should be a Windsock at Entrance to Location.

4. Condition Flags and Signs

- A. Warning Sign on Access Road to Location.
- B. Flags to be Displayed on Sign at Entrance to Location.
 - 1. Green Flag, Normal Safe Condition.
 - 2. Yellow Flag, Indicates Potential Pressure and Danger.
 - 3. Red Flag, Danger H₂S Present in Dangerous Concentration Only Emergency Personnel Admitted to Location.

5. Well Control Equipment

A. See Attached Diagram.

6. Communication

- A. While Working Under Masks Chalkboards Will be Used for Communication.
- B. Hand Signals will be Used Where Chalk Board is Inappropriate.
- C. Two Way Radio or Cell Phone will be Used to Communicate off Location in Case of Available at Most Drilling Foreman's Trailer or Living Quarters.

7. Drillstem Testing

- A. Exhausts will be Watered.
- B. Flare Line will be Equipped with an Electric Igniter or a propane pilot light in case gas reaches the surface.
- C. If Location is near any Dwelling a Closed DST will be Performed.
- 8. Drilling Contractor Supervisor will be Required to be Familiar with the Effects H₂S has on tubular goods and other mechanical equipment.
- 9. If H₂S Encountered, Mud system will be Altered if Necessary to Maintain Control of Formation. A Mud Gas Separator will be Brought into Service Along with H₂S Scavengers if Necessary.

PROPOSED MUD PROGRAM

CASING DESIGN
20" Surface Casing at 300'
13 3/8" Intermediate 1 Casing at 1,500'
9 5/8" Intermediate 2 Casing at 3,500'
7" Production Casing at 8,500'
4 ½" Liner at 12,500'

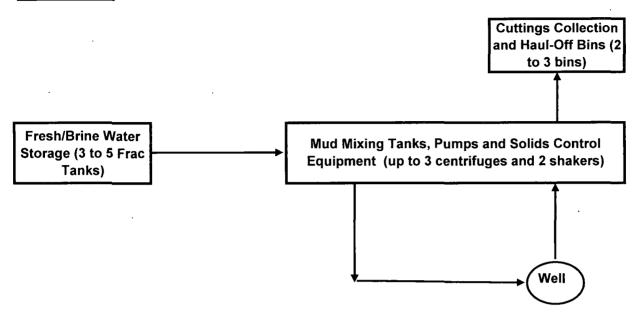
Recommended Mud Properties

Spud Surface hole with Fresh Water.

	<u>Mud</u>							
	<u>Depth</u>	<u>Weight</u>	Viscosity	Fluid loss				
	Spud	8.6-8.7	30-32	No Control				
	300'	8.9-9.2	30-32	No Control				
Set 20" Surface Casing at 300'. Drill out with Brine Water.								
	300'	9.8-10.0 28-2		No Control				
	1,500'	9.8-10.0	28-29	No Control				
•		•						
Set 13 3/8" Intermediate Casing at 1,500'. Drill out with Fresh Water.								
	1,500'	8.4-8.6	28-29	No Control				
	3,500'	8.4-8.6	28-29	No Control				
Set 9 5/8" Intermediate Casing at 3,500'. Drill out with Fresh Water.								
	3,500'	8.4-8.6	28-29	No Control				
	8,500'	8.4-8.6	28-29	No Control				
Set 7" Intermediate Casing at 8,500'. Drill out with Fresh Water.								
	8,500'	8.4-8.6	28-29	No Control				
	TD	8.4-8.6	28-29	No Control				

CLOSED-LOOP SYSTEM

Design Plan:



Operating and Maintenance Plan:

During drilling operations, third party service companies will utilize solids control equipment to remove cuttings from the drilling fluid and collect it in haul-off bins. Equipment will be closely monitored at all times while drilling by the derrick man and the service company employees.

Closure Plan:

During drilling operations, third party service companies will haul-off drill solids and fluids to an approved disposal facility as noted on the C-144 form. At the end of the well, all closed loop equipment will be removed from the location

SM Energy Company 3300 North A Street building 7 Suite 200 Midland, TX 79705 (432) 688-3125(Office) (432) 688-1701 (Fax)

RECEIVED

JUL 1 2011

NMOCD ARTESIA

6/29/11

District 2 Geologist New Mexico Oil and Gas Division 811 South First Street Artesia, NM 88210

Re: Parkway 36-4H

SHL: 660' FSL & 440' FWL BHL: 330' FSL & 330' FEL

Sec. 36-T19S-R29E

Eddy, NM

Application for Permit to Drill

Attached you will find an original and 4 copies of a C-101, C-102, H2S contingency letter, blowout preventer requirements, mud program, plats, and maps for the referenced well. This well will be drilled with a closed loop mud system.

Please contact me if you have any additional questions.

Sincerely,

Molook This

Engineer

	Operator	SM	ENER	BY C	0	00	GRID #	4403
19266	Well Name	e & #	PARK	WAY	36#	4H		pe (F) (S) (P)
	Location: (UL Sect	JARK 36, Twnship	o <u>/9</u> s, Ri	NG 25 e,	St	ıb-surface Ty	
			rec'd/_			C101 reviewe	d/	/
	В.	1 Check ma	rk, Informatio	n is OK on Fo	rms·			
		OGRID	BONDING >	, PRO P CO	de s , we	ELL#	GNATURE	<u>_</u>
		2. Inactive \	Well list as of :	7/36/	# w	ells <u>/0L</u> ,#	Inactive wells	
			t Grant APD bu	_				•
			ter required 🗶			, to Santa	Fe	
			al Bonding as d					
			ct Denial becau					
			tter required					
			ct Denial becau					
		NO LE	etter required <u>'</u>	جے; Sent Le	etter to Operat	or, To Sa	anta Fe	
		C102 VEC	NO 6:-					
	۷.	CIUZ YES	_, NO, Sign	lature	CB9	6 1	496	7
		1. Pool	•	, , , , ,				
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			Location Star					
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			ent Letter			_		
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			dicated acreas					
			tomhole Locati	•	-		amhala	
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			ol#2		. :	,Code	· ^~	
			ol #3			,code	, AC	ار دع
			1 #4					
			l Area Yes				, , , , ,	
	D		eventer Yes 🔀					
			No					
			gistration Yes _		ne	ed		
	G	Does APD re	equire Santa Fe	Approval:				
		1 Non-Sta	andard Locatio	n: Yes	, No 🔪 N	ISL#		
		2. Non-Sta	andard Proratio	on: Yes	, No, NS	SP #		
		Simulta	neous Dedicat	ion: Yes	, No <u>>></u> _, St) #		
		Numbe	r of wells	Plus #_				
		4. Injectio	n order Yes	, No <u>~</u>	; PMX #_	or W	FX #	_
		5. SWD or	der Yes	_, NO >	<u>ン.</u> ; SWD # _			
		6. DHC fro	om SF	;	DHC-НОВ	; Holding		
	w							
	_	7. OCD A	pproval Date _		·	API#3	30-0/5 3	9237