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

Form C-101 May 27, 2004

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe. NM 87505 Submit to appropriate District Office

☐ AMENDED REPORT

1220 S. St. Francis Dr., Santa Fe, NM 87505 Santa Fe, NM 87505													
APPL	<u>ICATI</u>	ON FOR	PERMIT	TO DR	ILL, RE-I	ENTI	ER, DE	EPEN	, PLUGBA	CK, O	R AD	D A ZONE	
Threshold Development Company									2 OGRID Number				
777 Taylor Street – Penthouse II-D Fort Worth, Texas 76102									30 - 🔾 1	³ APLNumber			
³ Property Code			Property Name TDC State Section 8			130- (71)	* Well No.						
		9 D-	oposed Pool 1		DC State S	ection	18		10 Duos	oosed Pool	2		
Millman-Y	ates-Sev		Oposed Fool 1 Dueen-Gray	burg-San	Andres E	<u> </u>	<u> </u>		Ртор	osed Pool	2		
					⁷ Surface	Locati	ion						
UL or lot no.			Lot Idn Feet from		m the North/South line		Feet from the 990		East/West line County West Eddy				
	<u> </u>	175		sed Botton	4					1 ***	.st	Eddy	
UL or lot no.	Section	Township	Range	Lot Idn	1	- 1	f Different From Surface North/South line Feet from the		East/West line Count		County		
					lditional Wo	11 1 5							
11 Work	Type Code		12 Well Type Coc			/Rotary	Information Rotary 14 Lease Type Code 15 Ground Level Elevation				nd Level Elevation		
	<u> </u>		0		Rot			S			3386'		
	ultiple No		¹⁷ Proposed Dept Approx. 300		¹⁸ Fort Oueen-		A	19 Contractor United Drilling			²⁰ Spud Date Nov 18, 2004		
Depth to Grou	indwater	NA		Distance fi	rom nearest fres	h water	well +2	mi			surface water +2 mi		
Pit: Liner:	Synthetic	X <u>12</u> mils	thick Clay	Pit Volun	ne: 400_bbls	(Steel)		ing Metl				-	
Close	d-Loop Sys	tem 🗆					Eres	h Water	X Brine X Diese	el/Oil-hased	i □ Ga	s/Air 🗌	
			21	Propose	d Casing a	nd C	ement P	rograi	n		1		
Hole S	ize	Casin	g Size	Casing w	asing weight/foot Setting De		Setting Dep	th	Sacks of Cement			Estimated TOC	
11"		8-5	8-5/8"		24#		Approx. 300'		350 Sacks		Circulate		
7-7/8"		5-1/2"		10.5#		Approx. 3000'		800 Sacks		Circulate			
	·	<u> </u>				 			<u> </u>				
	· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·		 	· · · · · · · · · · · · · · · · · · ·	
Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.													
Threshold Development Company proposes to drill and test the Queen and intermediate formations. If productive, casing will be set and cemented and zones of interest will be perforated and stimulated													
as needed for production.													
MUD PROGRAM: Fresh water from surface to 300'; cut brine to TD													
BOP PROGRAM: 3K Shafer, blind and pipe rams											OCT 2 8 7004		
GAS NOT DEDICATED										6	38B-ARTES!		
						12	h						
13 I hereby certify that the information given above is true and complete to the OIL CONSERVATION DIVISION													
best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines X, a general permit , or an						Appro	oved by:						
(attached) alternative OCD-approved plan .									**************************************	AA CI	1 12 6		
Signature: Inda James								DISTRICT	W. G		SOR		
Printed name: Linda Brown					Title:	0	CT 2	0.2004			OCT 2 9 200		
Title: Regulatory Analyst E-mail Address: mkeith@thresholddevelopment.com					Appro	ovai Date:		1	Expiration	Date:			
					Conditions of Approval Attached								
Date: 10/27/04 Phone: 817-870-1483					mons of wb	Piovai A	<u> </u>						

DISTRICT I 1625 N. French Dr., Hobbs, NM 88240

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised March 17, 1999

DISTRICT II 811 South First, Artesia, NM 88210

Submit to Appropriate District Office

Pool Name

State Lease - 4 Copies Fee Lease - 3 Copies

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

2040 South Pacheco, Santa Fe, NM 87505

API Number

DISTRICT IV

OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, New Mexico 87505

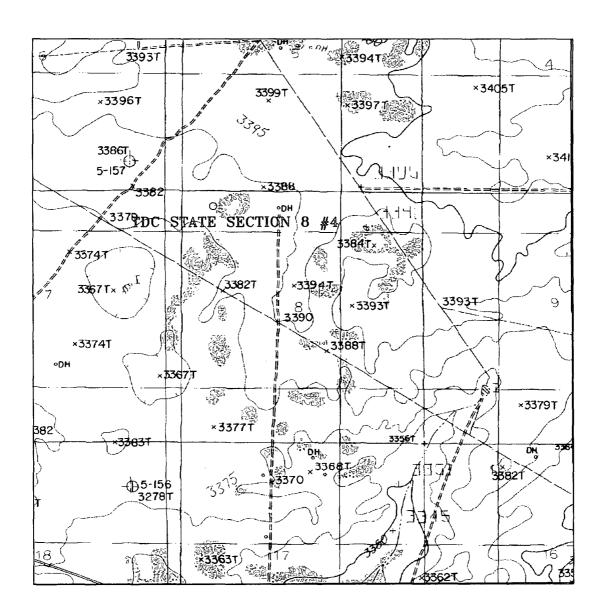
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

Pool Code

Property Code		Property Name							Well Number	
		TDC STATE SECTION 8							4	
OGRID N	D.	Operator Name							Elevation	
23032		THRESHOLD DEVELOPMENT CORPORATION							6'	
					Surface Loc	ation				
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
D	8	19 S	29 E	1	330	NORTH	990	WEST	EDDY	
<u> </u>			Bottom	Hole Loc	cation If Diffe	erent From Sur	face			
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
Dedicated Acre	s Joint o	r Infill Co	nsolidation	Code Or	der No.					
4c										
NO ALLO	WABLE V					UNTIL ALL INTE		EN CONSOLIDA	ATED	
		OR A N	NON-STAN	IDARD UN	IT HAS BEEN	APPROVED BY	THE DIVISION			
	1						OPERATO	R CERTIFICAT	ION	
990'—	<u>~</u> •				ji 		I hereby	y certify the the inj	formation	
	1				ľ		contained herein is true and complete to the best of my knowledge and belief.			
	330			1			Desi oj mig knou	feage and venes.		
	i				ĺ		Das			
LAT-N32*40'5	54.3" 56'08 3"				ĺ		Mon	u hal		
1	+			+	+-		Signature			
11					ļ		MORRIS K			
11	!			Į			OPERATUO	NS MANAGER		
	1				ļ		Title	5-04		
					!		Date /	} -2 7	 [
	[Date			
				1			SURVEYO	OR CERTIFICAT	ION	
	1				ì		I hereby certify	, that the well locat	ion shown	
	Ì							as plotted from field made by me or		
					Ì		supervison an	d that the same is	true and	
	I				ĺ		correct to th	e best of my belie	<i>r</i> .	
	إ				Į.		ОСТО	BER 11, 2004	.	
	ļ				Į		Date Surveye	KON L. JONES		
	+			†			Professional	Dear of		
	1				l 1		A The	00100		
	, 1				ı 1		I CLI	XX TIE	m	
	i				1		Mª V	0. No. 4/26	-	
	į						Certificate N	- 5/	7977	
	ĺ	,			i		Certificate M	ESSIONAL		
11	1			1	1		II R	ASIN SURVEYS		

SECTION 8, TOWNSHIP 19 SOUTH, RANGE 29 EAST, N.M.P.M., NEW MEXICO. EDDY COUNTY, 150' NORTH □ OFF SET 3390.7 THRESHOLD DEVELOPMENT CORP. TDC STATE SECTION 8 #4 ELEV. - 3386' □ 150' EAST OFF SET 3386.4' 0 150' WEST LAT - N32°40'54.3" OFF SET ..89.1' LONG - W104'06'08.3" □ 150' SOUTH OFF SET 3387.5 Proposed Lease Road To #3 379' TDC "8" STATE #2 100 200 FEET 100 0 SCALE: 1" = 100 **DIRECTIONS:** THRESHOLD DEVELOPMENT CORP. FROM THE JUNCTION OF CO. RD. 210 AND 235, GO WEST ON 235 FOR 1.0 MILE TO LEASE ROAD; THENCE NORTH ON LEASE ROAD FOR 1.4 MILE; THENCE WEST TDC STATE SECTION 8 No. 4 / Well Pad Topo REF: FOR 0.2 MILE TO TDC "8" STATE #2 AND PROPOSED LEASE ROAD. THE TDC STATE SECTION 8 No. 4 LOCATED 330' FROM THE NORTH LINE AND 990' FROM THE WEST LINE OF SECTION 8, TOWNSHIP 19 SOUTH, RANGE 29 EAST, BASIN SURVEYS P.O. BOX 1786-HOBBS, NEW MEXICO N.M.P.M., EDDY COUNTY, NEW MEXICO. W.O. Number: 4426 K. GOAD Drawn By: Sheet of Sheets DATE: 10-15-2004 Disk: KJG CD#6 -4726A.DWG Survey Date: 10-11-2004



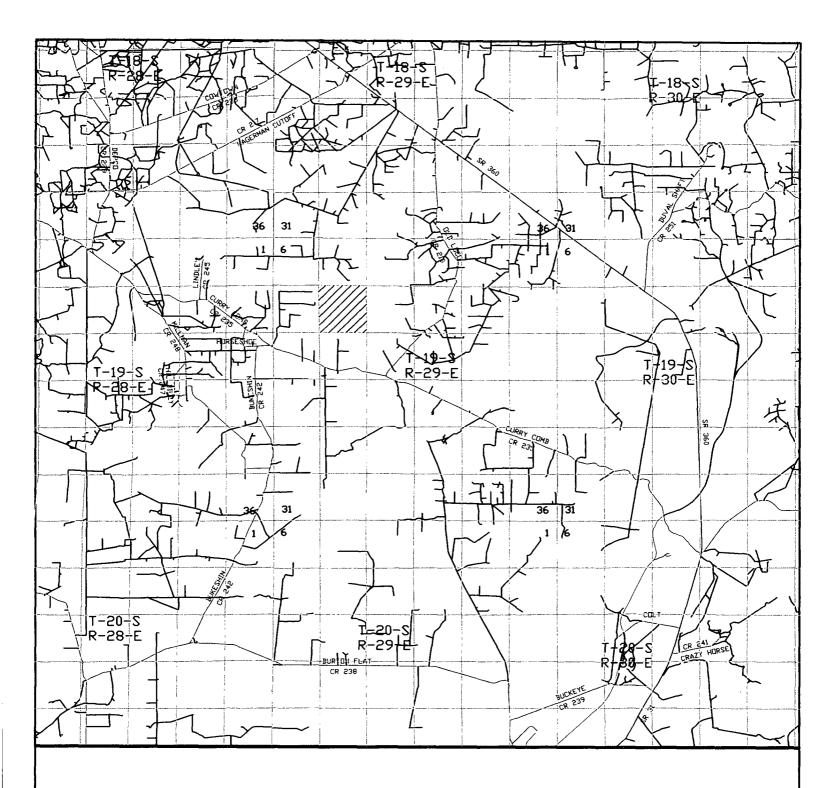
TDC STATE SECTION 8 #4
Located at 330' FNL and 990' FWL
Section 8, Township 19 South, Range 29 East,
N.M.P.M., Eddy County, New Mexico.



P.O. Box 1786 1120 N. West County Rd. Hobbs, New Mexico 88241 (505) 393-7316 - Office (505) 392-3074 - Fax basinsurveys.com

	W.O. Number: 4726AA - KJG CD#5
	Survey Date: 10-11-2004
	Scale: 1" = 2000'
ı	Date: 10-15-2004

THRESHOLD DEVELOPEMENT COMPANY



TDC STATE SECTION 8 #4
Located at 330' FNL and 990' FWL
Section 8, Township 19 South, Range 29 East,
N.M.P.M., Eddy County, New Mexico.



P.O. Box 1786 1120 N. West County Rd. Hobbs, New Mexico 88241 (505) 393-7316 — Office (505) 392-3074 — Fax basinsurveys.com

W.O. Number:	4726AA - KJG CD#5
Survey Date:	10-11-2004
Scale: 1" = 2	MILES
D-1 40 45	0004

THRESHOLD DEVELOPEMENT COMPANY

Threshold Development Co.

777 Taylor Street
P II Suite D
Fort Worth TX 76102

Hydrogen Sulfide (H₂S) Contingency Plan

For

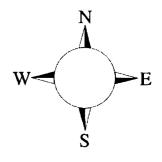
TDC STATE SECTION 8
Well # 3 990' FNL & 330' FWL
Well # 4 330' FNL & 990' FWL
Well # 5 990' FNL & 1650' FWL
Well # 6 2310' FNL & 330' FWL

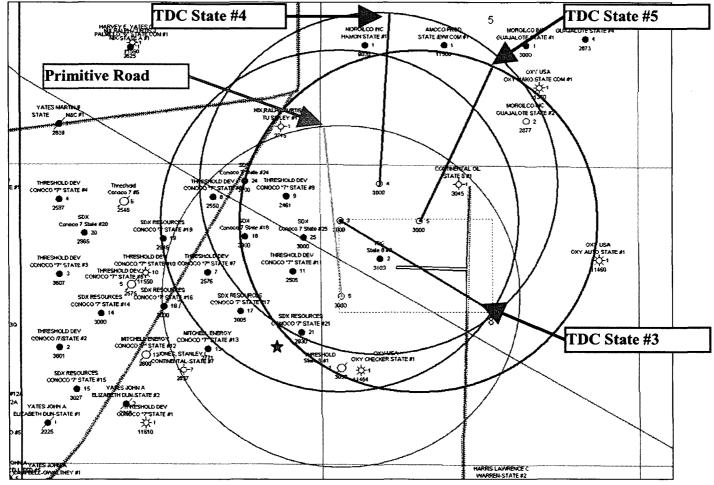
Sec-35, T-19S R-29E

Eddy County NM

TDC STATE SECTION 8 Wells #3-6

This is an open drilling site. H_2S monitoring equipment and emergency response equipment will be used within 500' of zones known to contain H_2S , including warning signs, wind indicators and H_2S monitor.

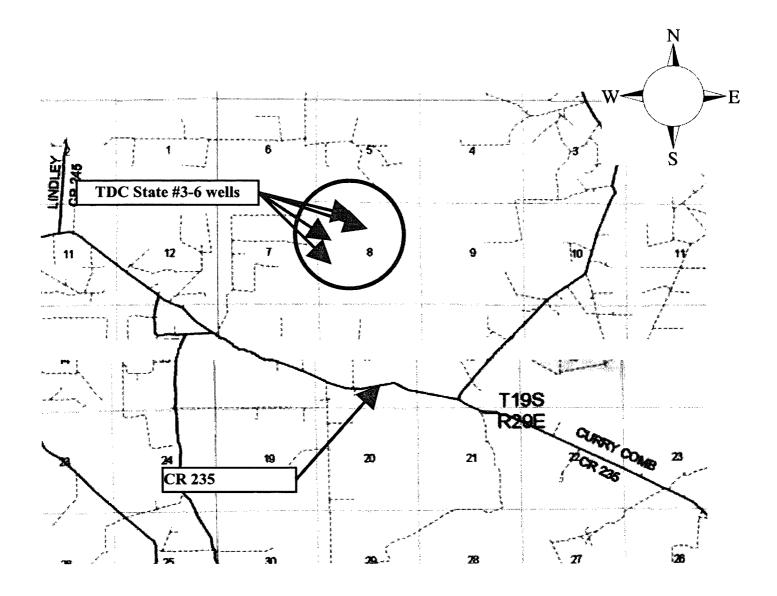




Assumed 100, ppin ROB = 3000f (Radius of Exposure)

(0) opin 528 concentration shall diagree activation of this plans
(ROB's are snown in purple neds green and pink respective to the wellsite)

ander de la companya Reconomia de la companya de la comp



Escape

Crews shall escape upwind of escaping gas in the event of an emergency release of gas. Escape can be facilitated from lease road South or southwest on primitive road to county road 235. Drivers onto primitive road from all entrances and CR235 must be flagged and stopped so as to prevent traversing into a hazardous area. There are no homes or other buildings in or near the ROE.

Emergency Procedures

In the case of a release of gas containing H₂S, the first responder(s) must isolate the area and prevent entry by other persons into the 100 ppm ROE. Additionally the first responder(s) must evacuate any public places encompassed by the 100 ppm ROE. First responder(s) must take care not to injure themselves during this operation. Company and/or local officials must be contacted to aid in this operation. Evacuation of the public should be beyond the 100 ppm ROE.

All responders must have training in the detection of H_2S , measures for protection against the gas, equipment used for protection and emergency response. Additionally, responders must be equipped with H_2S monitors and air packs in order to control the release. Use the "buddy system' to ensure no injuries during the response.

Ignition of Gas Source

Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO₂). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally the NM State Police may become involved. NM State Police shall be the Incident Command on scene of any major release. Take care to protect downwind whenever there is an ignition of the gas

Characteristics of H₂S and SO₂

Common Name	Chemical Formula	Specific Gravity	Threshold Limit	Hazardous Limit	Lethal Concentr- ation
Hydrogen Sulfide	H ₂ S	1.189 Air = 1	10 ppm	100 ppm/hr	600 ppm
Sulfur Dioxide	\$O ₂	2.21 Air = 1	2 ppm	N/A	1000 ppm

Contacting Authorities

Threshold Development Co. personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available. The following call list of essential and potential responders has been prepared for use during a release. Threshold Development Co. response must be in coordination with the State of New Mexico's 'Hazardous Materials Emergency Response Plan' (HMER)

Threshold Development Co. Company Call List

Morris Keith, Operations Manager Office - 817-980-3088 Cell - 817-980-3088 Home - 254-785-2892 Ray Selby, Field Superentendant Cell - 505-631-5984 Home - 505-396-7319

Agency Call List

Eddy County (505)

Artesia	
State Police	746-2703
City Police	746-2703
Sheriff's Office	
Ambulance	
Fire Department	746-2701
LEPC (Local Emergency Planning Committee)	746-2122
NMOCD	748-1283
Carlsbad	
State Police	885-3137
City Police	885-2111
Sheriff's Office	887-7551
Ambulance	911
Fire Department	885-2111
LEPC (Local Emergency Planning Committee)	887-3798
US Bureau of Land Management	887-6544
New Mexico Emergency Response Commission (Santa Fe)	` '
24 HR	
National Emergency Response Center (Washington, DC)	(800) 424-8802

Other

Boots & Coots IWC1-800-256-9688 or (281) 931-8884
Cudd Pressure Control(915) 699-0139 or (915) 563-3356
Halliburton(505) 746-2757
B. J. Services(505) 746-3569
Flight For Life -4000 24th St, Lubbock, TX(806) 743-9911
Aerocare -Rr 3 Box 49f, Lubbock, TX(806) 747-8923
Med Flight Air Amb 2301 Yale Blvd SE #D3, Albuq, NM(505) 842-4433
S B Air Med Syc 2505 Clark Carr Loop SE Albug NM (505) 842-4949

Prepared in conjunction with Wade Rohloff of;

