<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II

Energy Minerals and Natural Resources

Form C-101 March 4, 2004

1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

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

State of New Mexico

RECEIVED Submit to appropriate District Office State Lease - 6 Copies

Fee Lease - 5 Copies

NOV 1 8 2005 OCD-ARTESIA

☐ AMENDED REPORT

		NAF	APPLICATION FO Operator Name a OEL AND GUSSMAN	and Address	S	RILL, RE-ENTER,	DEEPEN	N, PLUGBA	155615	NE OGRID	Number	
601 N. MARIENFELD, SUITE 508 MIDLAND, TEXAS 79701				508					30 - 015 - 2819 API Number			
Property Code			S Property Name ROCA STATE					*Well No.				
	مان ازات	~ 				⁷ Surface Location				 		
UL or lot no. Section Townsh		Township	Range	Lot		Feet from the	North/S	South line	Feet from the	East/We	st line	County
0	32	21-S	22-E			992'	so	UTH	1,976'	EAST EDD		EDDY
				8 Propose	ed Bottom F	lole Location If Diff	ferent Fron	n Surface				
UL or lot no. Section Township		Range	Lot ldn		Feet from the	North/South line		Feet from the	East/West line		County	
Reck		rre u	Proposed Pool 1 MORROW	в	414	0			¹⁰ Prop	osed Pool 2		
	7			I	Orilling Pit I	ocation and Other	Information	n	1	_		
UL or lot no.	Section	Township	Range	Lot	Idn	Feet from the	North/South line		Feet from the	East/We	est line	County
0	32	21-S	22-E			992*	SOUTH		1,976'	EAS	EAST EDDY	
Depth to ground 150' TO 200'	water	-		1	from neare THAN 1000	est fresh water well O'			Distance from nearest surface water MORE THAN 1000'			
	11 Work Type Code N		¹² Well Type Cod G			13 Cable/Rotary ROTARY		1	⁴ Lease Type Code S		15 Ground Level Elevation 4,498'	
	ultiple NO		17 Proposed Dept 9,400'	th 18 Formation MORROW				19 Contractor PATTERSON		²⁰ Spud Date +/- 01/25/06		
					21 Proposed	d Casing and Cemer	t Program					
Hole S	ize	Ca	sing Size	Casing weight/foot Se		Setting D	etting Depth Sacks of Cemer		ment	nt Estimated TOC		
12-1//-	4"		8-5//8"		24#		192c		1450 SX	1450 SX		MT @ SURFACE
7-7/8	,,		5-1/2"		17#		9,400'		1900 SX	1900 SX		TOC +/- 1920'
												<u> </u>
	 	 										
22 Describe	tha	164	hia anniineine in ta f	SEEDEN	- BLUC DA	ACK mine the date				1	<u> </u>	Danita da Maria
preventio RE-ENTER FA NO H2S IS EX	n program, i NNING DR PECTED, B	f any. Use add AW STATE # UT AN H2S C	itional sheets if nece 1, DRILL / DEEPEN ONTINGENCY LET	ssary. AND COI	MPLETE W OPLAN IS	VELL IN THE MO ATTACHED.	\	-	OJECTED TD OF 9.4(•	ctive zone.	Describe the blowout
knowledge and to NMOCD gu	belief. I furt idelines ⊠,	ther certify th	n above is true and co at the drilling pit wi mit , or an (attac	ll be const	ructed acco	ording	, V 		OIL CONSERVAT			
approved plan Signature:	u. JL 7	Irman				Approv	red by:	Se.		La.	em Lev	i List
Printed name: JOSH FERNAU				Title:	Title:							
Title: STAFF ENGINEER				Approv	al Date:	VOV 2	2 2005 E	xpiration Da	NU.	z z 200 6		
E-mail Address	joshf	@naguss	.com		<u></u>			, , , , , , , , , , , , , , , , , , ,				
Date: 11/17/05			Phone: (432) 68	2-4429		Conditi	Conditions of Approval:					
						Attache	Attached					

DISTRICT I 1625 N. French Dr., Hobbs, NM 88240 DISTRICT II 811 South First, Artesia, NM 88210 State of New Mexico

Form C-102 Revised March 17, 1999

Energy, Minerals and Natural Resources Department

Submit to Appropriate District Office

O:-No.

e No. Gary L. Jones

BASIN SURVEYS

7977

State Lease ~ 4 Copies Fee Lease ~ 3 Copies

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

OIL CONSERVATION DIVISION

2040 South Pacheco

DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505			2040 South Pacheco Santa Fe, New Mexico 87504-2088					□ AMENDED	REPORT		
			WELL LO	CATION	AND A	ACREA	AGE DEDICATI	ON PLAT			
API]	Number			Pool Code		0	ocky Arm	Pool Name			
Property C	ode		1	1700		erty Nam	ne J	eye' Morn	Well Number		
OGRID No	<u> </u>	 				STAT			1 Eleva:	Elevation	
			NADEL AND GUSSMAN PERMIAN					449	8'		
	·				Surfac			,		<u>. </u>	
UL or lot No.	Section	Township	Range	1 1		m the	North/South line	Feet from the	East/West line	County	
0	32	21 S	22 E	<u> </u>	99		SOUTH	1976	EAST	EDDY	
UL or lot No.	Section	Termohin	Range	Hole Loc	retion I		erent From Sur	face Feet from the	East/West line	County	
UL OF ICT NO.	Section	Township	kange	Lot lun	Peet Iro	m use	North/South line	reet from the	Fust\ west lifte	County	
Dedicated Acres	Joint o	r Infill C	onsolidation	Code Or	der No.				<u> </u>		
NO ALLO	WABLE W						JNTIL ALL INTEI APPROVED BY		EN CONSOLIDA	ATED	
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	1					i		Josh Fe Printed Nam	rnau		
	- 1			1		1		Staff Title	Engineer		
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	i					[Date			
		<u> </u>				i		SURVEYO	R CERTIFICAT	ION	
	r 					 		• • • • • • • • • • • • • • • • • • • •	that the well locate		
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L				L		_ _		Date Surveye	100		
	i.	-1 - N7615	NE! 40 0"			ĺ		Professional	Surveyor		
		Lat.: N32°2 Long.: W10	25°48.6″ 04°43'23.8 <mark>"</mark>		0	 1	1976'	1		.	

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
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 March 12, 2004

For drilling and production facilities, submit to appropriate NMOCD District

Form C-144

Office.

For downstream facilities, submit to Santa
Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes \(\subseteq \) No \(\subseteq \)

Type of action: Registration of a pit or below-grade tank \(\subseteq \) Closure of a pit or below-grade tank \(\subseteq \) Operator: NADEL AND GUSSMAN PERMIAN, LLC ______________________________e-mail address: __joshf@naguss.com____ Address: 601 N. Marienfeld, Suite 508 Midland, TX 79701 Facility or well name: ROCA STATE # 1 API #: 30-015-28197 U/L or Qtr/Qtr: O Sec: 32 T: 21S R: 22E County: Eddy Latitude: N32° 25' 48.6" Longitude: W104°43'23.8" NAD: 1927 🗌 1983 🛛 Surface Owner Federal 🔲 State 🔄 Private 🔲 Indian 🔲 Pit Below-grade tank RECEIVED Type: Drilling | Production | Disposal | Volume: ____bbl Type of fluid: ____ NOV 1 8 2005 Workover ☐ Emergency ☐ Construction material: Double-walled, with leak detection? Yes If not, explain why Lined Unlined Liner type: Synthetic
☐ Thickness 20 mil Clay ☐ Volume 20,000 bbl Less than 50 feet (20 points) Depth to ground water (vertical distance from bottom of pit to seasonal high 50 feet or more, but less than 100 feet 0 (10 points) water elevation of ground water.) 100 feet or more (0 points) Yes (20 points) Wellhead protection area: (Less than 200 feet from a private domestic No (0 points) water source, or less than 1000 feet from all other water sources.) Less than 200 feet (20 points) Distance to surface water: (horizontal distance to all wetlands, playas, 200 feet or more, but less than 1000 feet (10 points) irrigation canals, ditches, and perennial and ephemeral watercourses.) 1000 feet or more (0 points) 0 Ranking Score (Total Points) If this is a pit closure: (1) attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: onsite 🗌 offsite 🔲 If offsite, name of facility_______. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No 🗌 Yes 🔲 If yes, show depth below ground surface ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations. I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines 🔯, a general permit 🗌 or an (attached) alternative OCD-approved plan 🗍. Date: 11/17/05 Printed Name/Title Josh Fernau, Staff Engineer Signature Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations. Approval: Date: 11/22/05 Printed Name/Title Mike Bratcher Dest Signature Mike Somewar

NADEL AND GUSSMAN PERMIAN, L.L.C. 601 N. Marienfeld, Suite 508 Midland, TX 79701 (432) 682-4429 (Office) (432) 682-4325 (Fax)

11/17/05

Mr. Bryan Arrant
District 2 Geologist
New Mexico Oil and Gas Division
1301 West Grand Avenue
Artesia, NM 88210

Re: Roca State #1 992' FSL & 1,976' FEL UL O Sec. 32-T21S-R22E Eddy, NM Rule 118 H2S Exposure

Dear Mr. Arrant,

Nadel and Gussman Permian have 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 re-entry and will continue monitoring the remainder of the well.

Please contact me if you have any additional questions.

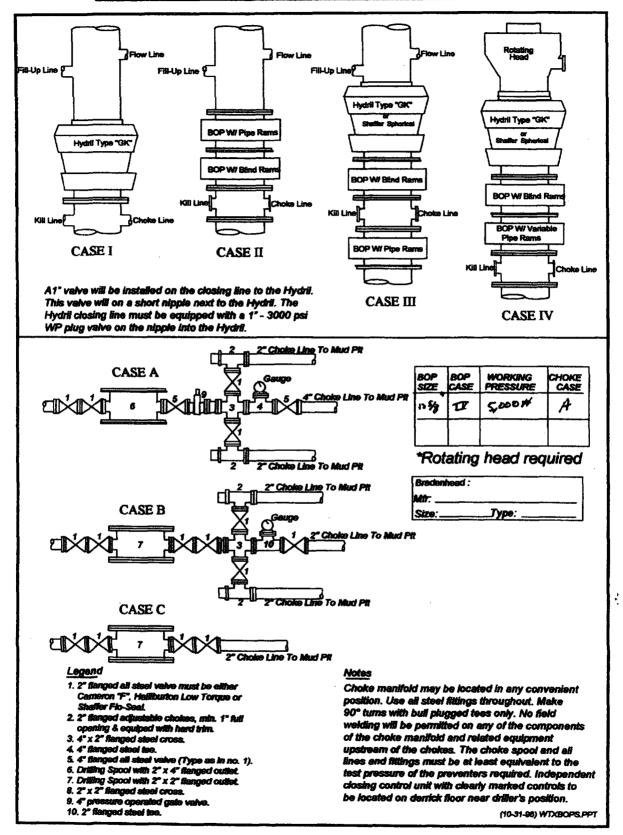
Sincerely,

Josh Fernau Staff Engineer

IL Fram

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.



Roca State #1 Mud Program

Casing Program

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Rem	ainir	ισ (ˈa	Sino
T/OIII	WILLIA.		O1115

0 - 1,920' 12 1/4" hole 8 5/8" casing

New Casing

0-9,400' TVD 7 7/8" hole 5 ½" casing

Estimated Formation Tops (TVD)

Tubb	3,187
Abo Shale	3,754'
Wolfcamp	4,872'
Penn.	7,024
Morrow	9,200'

TD 9,400'

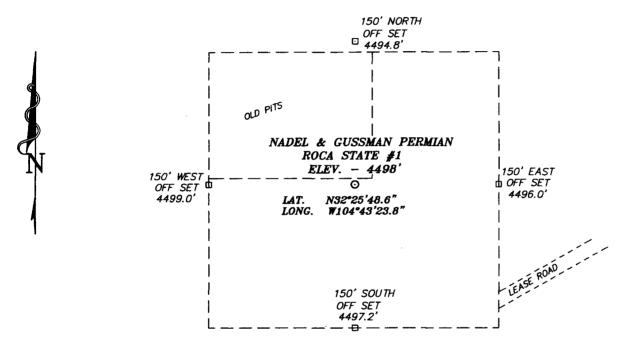
Suggested Mud Program

Surface Interval 0-1,920' Drilled Production Interval 0-9,400'

Drill out cement plugs with 9.6# - 10.1# cut brine. Mud up before deepening well from 7,400' to 9,400'.

- Hole Cleaning: Use high vis sweeps every 200' or as needed for fill or drag.
- Mud Up: Us XCD Polymer w/ fluid loss additives w/ mud weight between 9.6# 10.1# per gal.
- Mud system: Use caustic soda to maintain the pH above 10.
- Lost Returns / Seepage: Pull up 5 -10 stands if loss circulation occurs and pump 10 20 lbs per barrel. Seepage requires 3 4 sacks per hour.

SECTION 32, TOWNSHIP 21 SOUTH, RANGE 22 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO.



Directions to Location:

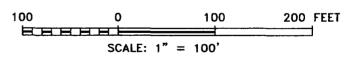
Date: 11-09-2005

FROM THE JUNCTION OF CO. RD. 401 AND CO. RD. 400, GO NORTHWEST FOR 2.3 MILES TO LEASE ROAD; THENCE SOUTH FOR 1.4 MILE TO 2-TRACK ROAD; THENCE WEST FOR 1.8 MILE TO DRY HOLE LOCATION.

BASIN SURVEYS P.O. BOX 1786 - HOBBS, NEW MEXICO

Disk: KJG #9 - 5943A.DWG

W.O. Number: 5943 Drawn By: K. GOAD

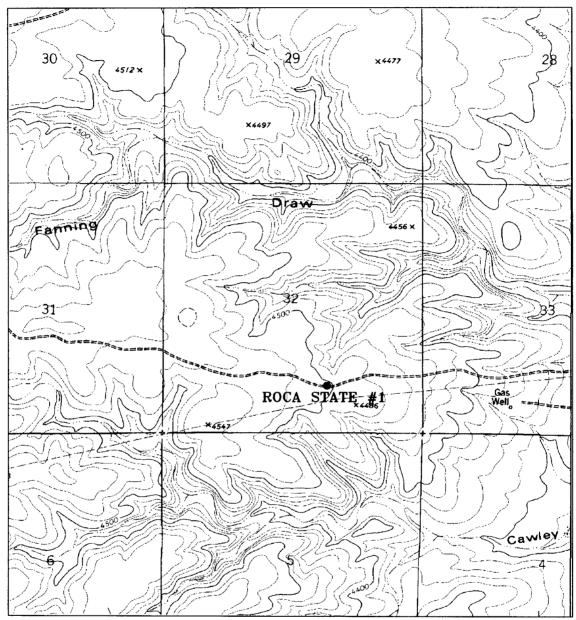


NADEL AND GUSSMAN PERMIAN

REF: ROCA STATE No. 1 / Well Pad Topo

ROCA STATE No. 1 LOCATED 992' FROM
THE SOUTH LINE AND 1976' FROM THE EAST LINE OF
SECTION 32, TOWNSHIP 21 SOUTH, RANGE 22 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO.

Survey Date: 11-08-2005 Sheet 1 of 1 Sheets



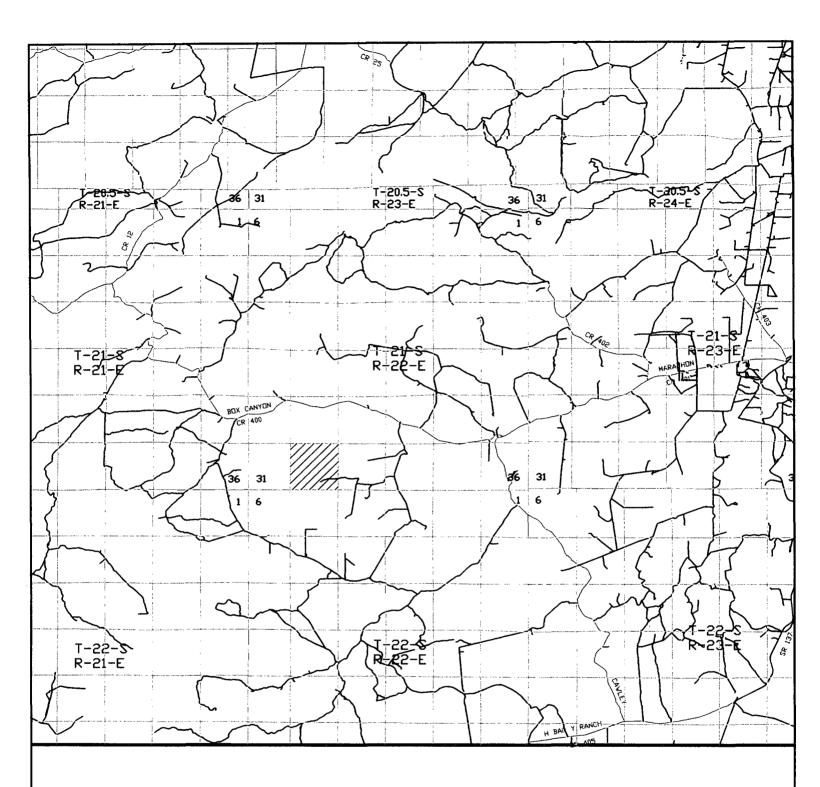
ROCA STATE #1 Located at 992' FSL and 1976' FEL Section 32, Township 21 South, Range 22 East, N.M.P.M., Eddy County, New Mexico.



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:	5943AA - KJG #1
Survey Date:	11-08-2005
Scale: 1" = 200	00'
Date: 11-09-2	2005

NADEL AND GUSSMAN PERMIAN, L.L.C.



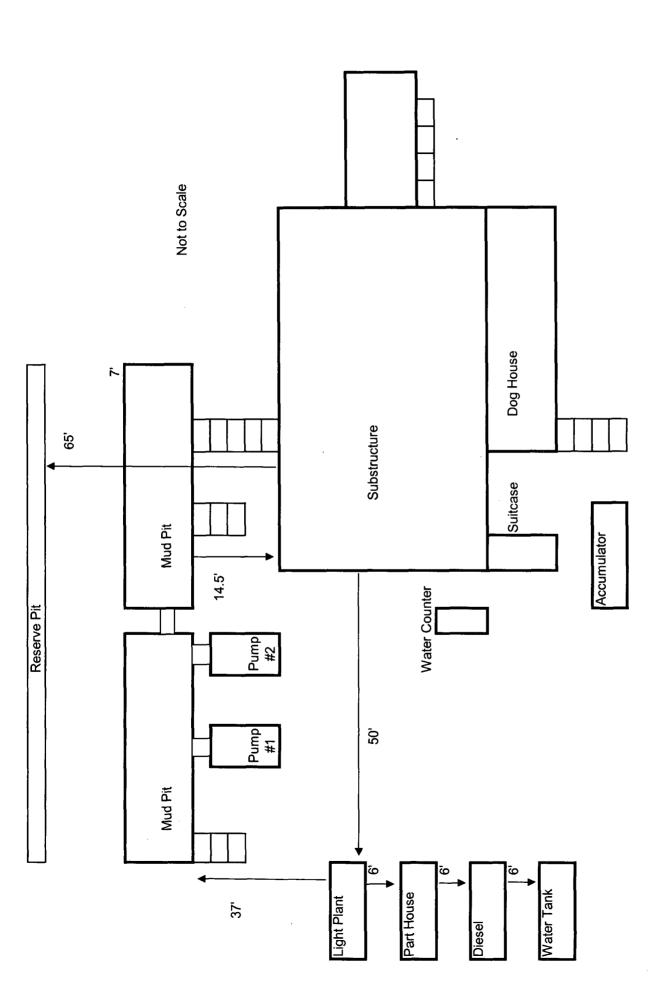
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P.O. Box 1786 1120 N. West County Rd. Hobbs, New Mexico 88241 (505) 393—7316 — Office (505) 392—3074 — Fax basinsurveys.com

W.O. Number:	5943AA - KJG #1
Survey Date:	11-08-2005
Scale: 1" = 2	000'
Date: 11-09-	-2005

NADEL AND GUSSMAN PERMIAN, L.L.C.



	150'	Reserve Pit
	65'	60' Flare Pit
	140'	Not to Scale

