District 1 1625 N. Fren District II 1301 W. Gran District III 1000 Rto Bra District IV 1220 S St. Fr APPL	nd Avenue, 4 zos Road, A rancis Dr., Sa JCATIC	Artesia, NM ztec, NM 87 anta Fe, NM DN FOR	88210 7410 187505 R PERMIT ¹ Operator Name	TO D	oergy Minera Oil Con 1220 Sc Santa RILL, RE-	of New Me als and Natur servation D outh St. Franc a Fe, NM 87: -ENTER, D	ivision cis Dr. 505	APR 2 9 20	INA K) (F ² Ogrid	AME	Form C-101 May 27, 2004 ate District Office ENDED REPORT A ZONE
		Fannin S	St. Suite 80	0, Hous	LLC ston, TX. 77	7002 30-D25-388				8880	
³ Prope	erty Code 3886			E	^{° Property} Boren Greer	Name Gas Com				Well N 5	No
	⁹ Proposed Pool I Jalmat (Tansil-Yates-7 Rivers) Gas			Lar	ngley M	¹⁰ Propo attix (Lower 7	sed Pool 2 7 Rivers	s-Quee	en-Grayburg)		
[Location					
UL or lot no F	Section 21	Township 22S	Range 36E	Lot			South line Orth	Feet from the 2130	East/West Wes		County LEA
	·		⁸ Propo	sed Bott	om Hole Loca	tion If Differe		Surface			
UL or lot no	Section	Township	Range	Lot	ldn Feet fr	rom the North/	South line	Feet from the	East/West	line	County
	I			Ac	ditional We	ell Informati				l	
	Type Code N		¹² Well Type Co G	de		le/Rotary R	14	Lease Type Code			Level Elevation 532'
¹⁶ M	lultiple		¹⁷ Proposed Dep	th	¹⁸ For	rmation		¹⁹ Contractor		²⁰ Spud Date	
Depth to Grou	NO mdwater 14	10.	3800'	Distanc		$\frac{7-7R}{1}$ sh water well >1	000'	NA Distance from	pearest sur	earest surface water >1000'	
	Synthetic [uls thick Clay		volume sed Casing a			Brine Dic	sel/Oil-base	ed 🗌 G	as/Air
Hole S			ng Size	Casin	g weight/foot	Setting D		Sacks of Cen	nent		stimated TOC
<u> </u>			5/8" 1/2"		<u>24#</u> 11.6#	1,250			Surface Surface		
7-770			1/2		11.0#		Oil Cor	servation D		7	
					to DEEPEN or P ogram, if any U	LUG BACI	JNL Y (s of approval : ANNOT produc proved in Sant	ce Down	al for d hole Co	rilling/workover ommingled until
 Drill Drill Drill Set 4 deter Place 	12-1/4" su 7-7/8" pro ½" to TD mined). well on to	urface ho oduction and cem est.	le to a minin hole 3,800' 7 ent to surfac	um dep [D and (e. Perf)	oth of 1250'. evaluate runn orate porosit	Set 8 5/8"cas ning mud logs	ing and (s as well ite as neo	as DLL/LDT/C cessary (specific	CAL/GR c proced 3 2 Yea	to TD. ure to rs Fr0	^{be} m Approval
best of my kno constructed a	²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief I further certify that the drilling pit will be constructed according to NMOCD guidelines, a general permit, or an (attached) alternative OCD-approved plan					Approved by	OIL CO		ION DI	VISIO	N
Printed name:	Printed name: Ronnie Young OM					Title. OC D	STRICT	SUPERVISOR/C	~ Jenera	L MAIN	AGER
Title Regu	latory	Superv	isor			Approval Date		1 2008	piration Da		,
E-mail Addres	s ryoun	g@ener	vest.net			CONDI	TIONS			· •	000
Date 4-25-08			Phone: 713-49	95-6530		unitl OC	roval for CD San	of APPROV drilling only, ta Fe approve creage and P	CANN e Simul	'OT pr Itaneo	oduce us

DISTRICT 1 1625 N. FRENCH DR., HOBBS, NM 68240

DISTRICT II

DISTRICT IV

State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION 1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Revised October 12, 2005 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

C AMENDED REPORT

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

1220 S. ST. FRANCIS DR., SANTA PE, NH 87505

1301 W. GRAND AVENUE, ARTESIA, NH 88210

API Number 30-025-		18	Pool Code		Jal	mat (T-	$Y = \frac{Pool Name}{R}$	Gas	
Property Code				-	erty Nam	e		Well Nun	nber
303886 OGRID No.		,	BORE		ator Nam	GAS COM		5 Elevati	on
143199			ENE			RATING		353	
				Surfa	ce Loca	ation			
UL or lot No. Section	· ·	Range	Lot Idn	Feet fro		North/South line	Feet from the	East/West line	County
F 21	22-S	36-E		198		NORTH	2130	WEST	LEA
		· · · · · · · · · · · · · · · · · · ·	······			rent From Sur			
UL or lot No. Sectio	n Township	Range	Lot Idn	Feet fro	m the	North/South line	Feet from the	East/West line	County
		nsolidation		der No.	TION II		VESTO HAVE DE		
						INTIL ALL INTER		EN CONSOLID	ATED
2130		.0961	 	DETIC CC NAD 27 Y=50322 X=82782 T.=32.37 G.=103.2	' NME ?1.3 N ?8.0 E ?8998* 1	N	I hereby i herein is true organisation eit or unleased mil- including the p or has a right location pursua owner of such or to a volunta compulsory pop- by the division. Signature Brinted Kame SURVEYO I hereby of shown on this p notes of actual notes of actual under my super true and correct Date Suffored Signature 2, 5	A-8-0 Da Da Afent R CERTIFICAT Continues Surveys made by n vision, and that the to the best of my D. J. Elimin D. J. Elimin M. 28, 208, M. 20, 200, M. 200	The set of this interest e land e location this the an interest interest of this the an interest of the set of

DISTRICT I 1625 N. FRENCH DR., F	IOBBS, NM 88	240		Energy, 1	Minerals and Natural H	Resources Department			orm C-102
DISTRICT II 1301 W. GRAND AVENUE	, ARTESIA, NM	88210	OIL	1220 S	OUTH ST. H	ON DIVIS FRANCIS DR.	ION Submi	it to Appropriate D State Lease	ber 12, 2005 istrict Office e – 4 Copies e – 3 Copies
DISTRICT III 1000 Rio Brazos Ro	1., Aztec, N	M 87410		Santa	Fe, New Me	exico 87505			
DISTRICT IV 1220 S. ST. FRANCIS DI	R., SANTA PE,				AND ACREA	GE DEDICATI		🗆 AMENDE	D REPORT
API Number 30-025-38880 31240 / Langlie Mattix (LIR-Q-C							Q-G)0,	1	
Property C 30382				BORE	Property Nam EN GREER G			Well Num 5	lber
OGRID No	•			ENE	Operator Nam			Elevation 7 - 7	
14319	4			EINE	Surface Loca	·····		353.	Ζ
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	21	22-S	36-E	:	1980	NORTH	2130	WEST	LEA
LI			Bottom	Hole Loo	cation If Diffe	rent From Sur	face	L	
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 o	r Infill Co	nsolidation	Code Or	der No.	I			I
40	X	,							
NO ALLO	WABLE W					NTIL ALL INTER APPROVED BY		EEN CONSOLIDA	ATED
			4	1			OPERATO	OR CERTIFICAT	
							herein is true my knowledge organization ei or unleased mi including the j or has a right location pursus owner of such or to a volunti	certify that the inf and complete to th and belief, and that ther owns a working ineral interest in th proposed bottom hol to drill this well at ant to a contract wi mineral or working ary pooling agreeme.	e best of t this r interest e land t location t this ith an interest, nt or a
				GEOI	DETIC COORDINA		by the division		
	l	l		9	NAD 27 NME		Signature	7-3-0 Da	
	—2130'—		-0		Y=503221.3 N X=827828.0 E		Printed Nam		
				R	T.=32.378998* G.=103.271440 		SURVEYO	DR CERTIFICAT	TION
							shown on this notes of actual under my supe	certify that the wel plat was plotted fro i surveys made by p rvision, and that th ct to the best of m	ne or e same is
				 			Date Surveye Signature: & Professional	Seal of	1011 1011 1011 1011 1011 1011
	I			 			Certificate N	 GARY EIDSON RONALD J. EIDSO 	12641 DN 3239

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State of New Mexico



VICINITY MAP

			ST. 176		ដ	ST. 176	RECREA	ION AREA			E36		
	22	23	24 m	92 A	20 E21	21	ST. 8 22 S Li EUNICE AP	23 7 7	24 24 24 24	ନ ଅ ଅ	TURNER 00	EEUN	22 ICE
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	34	35 E21	36	31	32	33	34	35	36	31	32	33	34 <u>E17</u>
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	22	23	24	19	20	E11 21	22	23	TEAGUE 24	WITCH	20	21	- 22

SCALE: 1" = 2 MILES

SEC. <u>21</u> TWP. <u>22–S</u> RGE. <u>36–E</u>

SURVEY_____N.M.P.M.

.

COUNTY LEA STATE NEW MEXICO

DESCRIPTION 1980' FNL & 2130' FWL

ELEVATION ______ 3532'

OPERATOR _____ENERVEST OPERATING

LEASE BOREN GREER GAS COM



PROVIDING SURVEYING SERVICES SINCE 1946 JOHN WEST SURVEYING COMPANY 412 N. DAL PASO HOBBS, N.M. 88240 (505) 393–3117

LOCATION VERIFICATION MAP



WELL B	oren (Greer G	as Com #5		E	ENE	RVE	ST			
TYPE VE	ERTICAL		RIG	TBD	DATE 4/25/2008						
IELD JA	LMAT		COUNTY	LEA COUNT	ΓΥ, NEV	V ME	XICO	ELEVATION		3,532'	
AS/OIL GA	4S		MUD	NOVA		-		CEMENT		RISING S	
OCATION 1,9	80' FNL &	2,130' FWL	. SEC 21 T22S R36E			_		SBHT		99° F	
OMMENTS OB	JECTIVE F		I. TANSILL, YATES, SEVEI	N RIVERS & QU	JEEN				~		
MUD- S LOGGER	SURVEYS	WOB/GPM BIT	FORMATION DEPTHS		TICAL PTH	_	MUD WEIGHT	OPEN HOLE LOGS	CEMENT	WELLHEAD	REMARKS
		51(1000	14" CONDUCTOR	4	0'					······································	
INCLINATIONS 5K/300 400' & 1,250' 10K/350 12-1/4" HOLE 15K/450 TYPE 2 INSERT NO MUD LOGGER 60' PEND RED BEDS 2 - 8" DCs						8.5 - 8.8 PPG NATIVE LEAD: 415 Sks 35 65 6 POZ.C.GEL (1 90 Yld, 12.8 PPG) TAIL: 195 Sks Class "C" 2% CaCl2 (1 35Yld, 14.8 PPG)					
NCLINATION	s		8-5/8" 24# J55 STC		250'	(100 % Excess) FLOAT COLLAR & TEXAS PATTERN SH TOP OUT: IF NEEDED				HOE	
EVERY 500' OR AS NEEDE	ED	10K/350 SEC FMH3 15K/350 PACKED	7-7/8" HOLE 655ZM				9.8 - 10.	1 PPG BRIN	E		
NO MUD LOG	GER										
		20K/350		2,0	000'						
		22K/350		2,4	100'	<	ADD ST/	ARCH FOR 1	15 - 20 CC	WL	
			PRIMARY OBJECTIVES								
POS LR - DEP	PLETION		TANSILL (DOLO / ANHYD)	> 2,9	25'	<	POS LO	ST RETURN	S 2,700'-	3,600'	
		25K/350	YATES (SS/DOLO)) > 3,0	90'		TD TO S	OLE LOGS: C: GR / LITH URFACE: (HO DENSI	TY / DUAL LA	TEROLOG
		SE	VEN RIVERS (SS / DOLO)	> 3,2	70'	<	POSSIBI	LE LOST RE	TURNS		
		QUE	EN (ANHYD/SS/DOLO)	> 3,6	55'		LEAD:			C (11.8 PPG 2	
		PENROSE (LOWER QUEEN) >			'EST.		TAIL:				
			4-1/2 11.60# J55 LTC	3,8	00'		<u> </u>	FLOAT SHO	E, 1 JT, FL(DAT COLLAR	
	0004 400							OFFICE		HOME	
		REGULATORY		RONNIE YO				(713) 495-6			
	· · ·		TH & ENVIRONMENTAL	ELROY ARD				(713) 495-6		(337)654-199	
PI# 30-0)25-	GEOLOGIST		ROGER TRE	-JO			(713) 495-8	5317	(281) 265-59	73



BOREN GREER GAS COM #5 - DRILLING PROGRAM

1 Geologic Name of Surface Formation & Directions to Well

Quaternary

Directions to well:

2 Estimated Tops of Important Geologic Markers

MD	SS	Formation	Objective	Rock Type
2,925	607	Tansill	Primary	(Dolomite & Anhydrite)
3,090	442	Yates	Primary	(Sandstone & Dolomite)
3,270	262	Seven Rivers	Primary	(Sandstone & Dolomite)
3,655	-123	Queen	Primary	(Anhydrite, SS & Dolomite)
3,720	-188	Penrose	Primary	(Lower Queen)
		Grayburg		(Dolomitic SS)

3 Estimated Depths of Anticipated Fresh Water, Oil and Gas

MD	SS	Formation	Objective	Fluid Type
2,925	607	Tansill	Primary	(Oil/Gas)
3,090	442	Yates	Primary	(Oil/Gas)
3,270	262	Seven Rivers	Primary	(Oil/Gas)
3,655	-123	Queen	Primary	(Oil/Gas)
3,720	-188	Penrose	Primary	(Oil/Gas)
		Grayburg		(Oil/Gas)

No other formations are expected to give up oil, gas or fresh water in measurable quantities. Setting 8-5/8" casing to 1,250' and circulating cement back to the surface will protect the surface fresh water sand. All zones containing commercial quantities of oil or gas will have cement circulated across them by cementing the 4-1/2" production casing back to at least the 8-5/8" casing shoe. Cement volumes will be pumped to provide cement back to surface.



4 Casing Program

Hole Size	Interval	OD Casing	Weight	Grade	Conn./New?	Bur/Col/Tens
12-1/4"	0-1,250'	8-5/8"	24#	J-55	STC/New	2.00 / 2.40 / 1.94
7-7/8"	0-3,800'	4-1/2"	11.60#	J-55	LTC/New	1.16 / 2.50 / 1.86

5 Cement Program

8-5/8" Surface Casing	LEAD 415 SX, 35/65/6, C/Poz/Gel, 1.90 cf/sk, 12.8 PPG
100% XS	TAIL 195 SX, Class "C", 1.35 cf/sk, 14.8 PPG
4-1/2" Production Csg	LEAD 350 SKS 50:50 POZ:C (11.8 PPG 2.56 CF/SK) TAIL 300 SKS CLASS "C" (14.8 PPG 1.33 CF/SK)

6 Minimum Specifications for Pressure Control & Wellhead Equipment

The blowout preventer equipment (BOPE) shown in Exhibit #9 will consist of a double ram-type (2,000 psi WP) preventer. This unit will be hydraulically operated and the ram type preventer will be equipped with blind rams on bottom and 4-1/2" drill pipe rams on top. The BOPE will be nippled up on the 8-5/8" surface casing and tested to 2,000 psi by a third party. Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment (Exhibit #10) will include a kelly cock and floor safety valve, choke lines and a choke manifold (Exhibit #11) and will have a 2,000 psi WP rating.

A 2,000 psi WP Larkin Type Wellhead will be used.

7 Types and Characteristics of the Proposed Mud System

The surface hole will be drilled with a fresh water mud. The production hole will be drilled with saturated brine water.

DEPTH	TYPE	WEIGHT	VISCOSITY	WATER LOSS
0-1,250'	FW Mud	8.7	28	N.C.
1,250'-TD	Brine	10	30	12 cc



Sufficient mud materials will be kept at the well site to maintain mud properties and meet minimum lost circulation and weight increase requirements at all times.

8 Auxillary Well Control and Monitoring Equipment

- A. Kelly cock will be kept in the drill string at all times.
- **B.** A full opening drill pipe-stabbing valve with proper drill pipe connections will be on the rig floor at all times.

9 Logging, Testing and Coring Program

- **A.** The electric logging program will consist of a GR-Dual Laterolog Litho Density log run from TD to the surface casing shoe.
- **B.** A GR-Neutron will be run to surface.
- **C.** No mud logger will be used.
- D. No conventional coring is anticipated. Further testing procedures will be determined after the 4-1/2" production casing has been cemented at TD, based on drill shows and log evaluation.

10 Abnormal conditions, Pressure, Temperatures and Potential Hazards

No abnormal pressures or temperatures are anticipated. The estimated bottom hole at TD is 97°F and the estimated maximum bottom hole pressure is 1,700 psi. Lost returns have been experienced in offset wells. Losses have occurred below 2,700'.

11 Anticipated Starting Date and Duration of Operations

Road and location work will not begin until approval has been received. Anticipated Start Date is **July 19, 2008**.

Once commenced, drilling operations should be finished in approximately 12 days. If the well is productive, an additional 30 days will be required for completion and testing before a decision is made to install permanent facilities.



12 Safety

Conduct Tour Safety Meetings with all crews and record topics of these meetings on the IADC and morning reports. Document all personnel in attendence and topics of these Safety Meetings. Keep these documents on file in company representative's office for inspection.

13 Notes

Stamp, Code and Sign all Invoices

H₂S Area? If yes, attach contingency plan.

Inclinations:	Drop Totco ev	vey every 500' or bit trip o Totco every trip out to check the angle. Max inclination = 3° Houston if survey is >= 3°						
Mud Disposal:	Closed Loop	system will be used. Haul off all cuttings and fluids.						
BHA #1	Surface	BIT-(2-8"DC)-STAB-DCs as needed (60' Pendulum)						
BHA #2	Production	BIT-NB-PC-ST-DC-ST-DC-STAB-DCs as needed (Packed)						

BIT PROGRAM

Surface	12-1/4"	Smith F29	RPM 90	WOB 35k
Production	7-7/8"	FMH3655ZM	100-110	15-25k