Form 3160-3 (September 2001)

UNITED STATES

FORM APPROVED OMB No. 1004-0136 Expires January 31, 2004

DEPARTMENT OF THE BUREAU OF LAND MAN		OIL CONS. D DIST. 3	IV. 77	5. Lease Serial No. SF077111		
APPLICATION FOR PERMIT TO	DRILL OR	BEENTER	MEDIZ	6. If Indian, Alloted	e or Tribe N	lame
la. Type of work: DRILL REENT	ER	Z.V.E.U		7 If Unit or CA Agr	reement, Nar	ne and No
lb. Type of Well: Oil Well Gas Well Other	 ✓ Sin	ngle Zone Multip	ole Zone	8. Lease Name and Storey Gas C		2.
2 Name of Operator		<u></u>		9. API Well No.		
West Largo Corp.				30-049		
3a. Address 8801 S. Yale, Suite 240, Tulsa, OK 74137-3535	1	(include area code) 92-3239		10. Field and Pool, or Basin Fruitla	-	,
4. Location of Well (Report location clearly and in accordance with a	ny State requirem	ents.*)		11. Sec., T. R. M. or l	Blk. and Sur	vey or Are
At surface 1130' FSL - 1875' FEL At proposed prod. zone same				Section 15, T	28N, R9W	, NMPM
14. Distance in miles and direction from nearest town or post office*				12. County or Parish		13. State
7 miles southeast of Blanco, NM	T			San Juan		N
15. Distance from proposed* location to nearest property or lease line, ft. (Also to pearest drig unit line if any) 765	16. No. of a	cres in lease		g Unit dedicated to this 0.0 acres	well	
(Miso to homest diff. diff line, if diff)	<u> </u>	I Danth		BIA Bond No. on file		
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1000	19. Proposed 2486'	Перш	NM22			
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5955'	22. Approxim	nate date work will star	rt*	23. Estimated duration 3 weeks	on	
	24. Attac	hments		<u> </u>		
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System SUPO shall be filed with the appropriate Forest Service Office). 		Item 20 above). 5. Operator certific	ation specific info	ns unless covered by an		
25. Signature Title	l l	Robert E. Fielder			i	8/2005
Agent						
Approved by (Senature)	Name	(Printed/Typed)			Date	15
	Office	. L1 . 441 . 4 . 41		- A	4'4-4	•
Application spectral does not warrant or certify that the applicant hold conduct operations thereon. Conditions of approval, if any, are attached.	is legal of equil	aote title to those figh	is in the stroj	ecticase willen would	entitie die a	ррисані к
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a c States any false, fictitious or fraudulent statements or representations as	rime for any pe to any matter w	rson knowingly and within its jurisdiction.	villfully to m	ake to any department	or agency o	of the Uni
*(Instructions on page 2)					JUN 10	
DRILLING OPERATIONS SUBJECT TO COMPLIA SUBJECT TO COMPLIA GENERAL REQUIREME		ARE TACHED		RECEIVED FARMINGTON	BM	
production 43 CVR 3165.4	-	MMOCD			10	

District II PO Drawer DD, Artesia, NM 88211-0719

District III 1000 Roo Brazos Rd., Aztec, NM 87410

District IV PO Box 2088, Santa Fe. NM 87504-2088

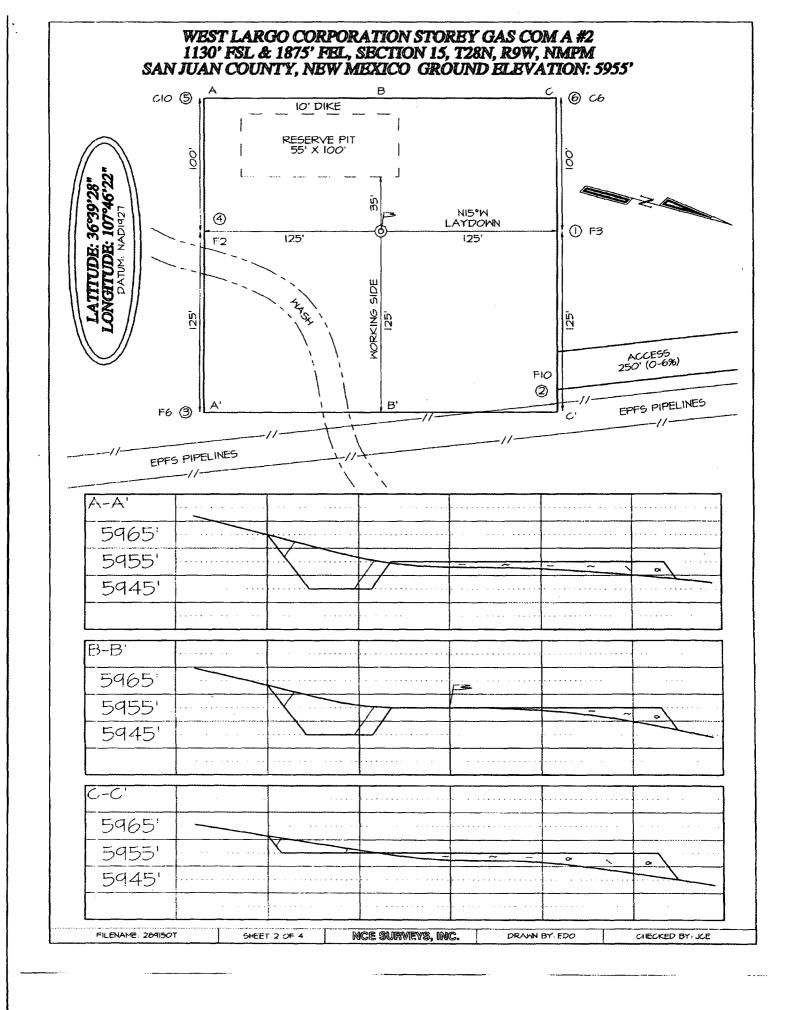
OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

Instructions on bac Submit to Appropriate District Offic State Lease – 4 Copic Fee Lease – 3 Copic

AMENDED REPOR

			WELL	LOCAT	ION AN	A C	CREAGE DEDI	CAT	ION PL	.AT		
1	'API Number			*Pool Code 71629			RΔ	POO1 NAME BASIN FRUITLAND COAL				
'Property	Code]	nects	Name		1110116	AND CO		ll Number
1416							S COM A				,,,	2
'()GRID	Na.				*Ope	erator	Name				*E	levation
3719	7			WE	ST LAR	GO (CORPORATION					5955 '
					¹⁰ Surfa		Location					
Utine let no.	Section 15	Township 28N	Plange 9W	Lat Idn	Feet from		North/South line SOUTH	ļ	et from the 1875	East/We EA		SAN JUAN
	10	L		11070 1	1		L	<u> </u>		L	ا ب 	JAN JUAN
UL or lot no.	Section	Township	Ottom Range	Hole L	_OCatio		f Different North/South line		om Surf	ace East/We	st line	County
12 Dedicated Acres		O Aspec	· /c	/O)	19 Joint or I	nfill	¹⁴ Consolidation Code	¹⁵ Orde	r No.	L		<u> </u>
Ĺ	320	.0 Acres	5 - (E,	/2)	Y							
NO ALLOW	NABLE W						ON UNTIL ALL EN APPROVED				EN CON	ISOL IDATED
16			5	280.00'						_		FICATION nformation d complete
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		+ - !			71.		- Z		Printed Agent	Name		
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		<u> </u>			Ī		EA		July 6	, 2004		
				"	S	_	7		Date			
C		1		ı]	SE	0	Storey Gas	Gon	SURV	EYOR	CERTI	FICATION
00. ——				15 -	– FA –	_	A # 1	0.0	shown on notes of	this plat actual sur	was plott veys made	ll location ed from field by me or under
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				III III				ر بی				CH 10, 2004 Signal Surveyor
									Signature			•
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			5	28660 '			<u> </u>		Certi	ficate I		15269

Submit 3 Copies To Appropriate District	State of New Me	exico	Form C-103
Office District I	Energy, Minerals and Natu	ıral Resources	May 27, 2004
1625 N. French Dr., Hobbs, NM 88240		WELL A	API NO.
<u>District II</u> 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION	DIVISION 5 Indicate	ate Type of Lease
District III	1220 South St. Fran		TATE FEE
1000 Rio Brazos Rd., Aztec, NM 87410 District IV	Santa Fe, NM 8		Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa Fe, NM			
87505	ES AND REPORTS ON WELLS	7 1 0000	Name or Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPOSA			as Com A
DIFFERENT RESERVOIR. USE "APPLICA	TION FOR PERMIT" (FORM C-101) F	OR SUCH	
PROPOSALS.) 1. Type of Well: Oil Well (as Well Other	8. Well	Number 2
2. Name of Operator	das wen p other	9 OGR	ID Number
West Largo Corp.		37197	. Validos
3. Address of Operator		10. Pool	name or Wildcat
8801 S. Yale, Suite 240, Tulsa, OK	74137-3535	Basin Fr	uitland Coal
4. Well Location			
Unit Letter O:	1130 _feet from the _ South	line and 1875 feet from the	e East line
Section 15			an Juan County
	11. Elevation (Show whether DR		
	5955 'GL		
Pit or Below-grade Tank Application vor	Closure 🔲		
Pit typeDrillingDepth to Groundwater_	>100 ft_Distance from nearest fresh w	ater well_>1000 ft_ Distance from r	earest surface water_>1000 ft_
Pit Liner Thickness: 12 mil Bel	ow-Grade Tank: Volume	bbls; Construction Materia	
12 Check Ar	propriate Box to Indicate N	lature of Notice Report of	r Other Data
12. CHOCK 11	propriate Box to maleute 1		
NOTICE OF INT	ENTION TO:	SUBSEQUE	NT REPORT OF:
	PLUG AND ABANDON	REMEDIAL WORK	☐ ALTERING CASING ☐
	CHANGE PLANS	COMMENCE DRILLING OP	NS. PANDA
PULL OR ALTER CASING	MULTIPLE COMPL	CASING/CEMENT JOB	
OTHER: Construct drilling reserve p	it 🕡	OTHER:	П
			inent dates, including estimated date
			ore diagram of proposed completion
or recompletion.	•		
Request permit to construct a lined res			
with the guidelines of the pit regulatio		nd fill diagram. A closure pern	nit will be obtained and the pit
closed within six months of cessation	of operations.		
I hereby certify that the information al grade tank has been/will be constructed or cl	pove is true and complete to the b	est of my knowledge and belie	f. I further certify that any pit or below-
grade tank has been win be diffar deject of the	1 / 1	, a general permit (or an (attact	ied) alternative OCD-approved plan .
SIGNATURE FEBRUTE.	TilleTITLE	_Agent	DATE_June 8, 2005_
Type or print name Robert E. Fielder	E-mail ad	dress: pmci@acs-online.net	Telephone No. (505)632-3869
For State Use Only	7. /		
	// // OB	puty oil & gas inspector, d	ST. 🖗 DATE SEP 1 9 2009
APPROVED BY:	TITLE_		DATE
Conditions of Approval (if any):	/ /'		



West Largo Corp. Storey Gas Com A No. 2 1130' FSL & 1875' FEL Section 15, T28N, R9W, NMPM San Juan County, New Mexico

TEN POINT DRILLING PROGRAM

- 1. Surface Formation: Nacimiento
- 2. Surface Elevation: 5955'GL.

3. Estimated Formation Tops:

Top - feet	Expected Production
surface	
1239	
1355	
1590	
1940	
2250	GAS
2276	GAS
2426	
2486	
	surface 1239 1355 1590 1940 2250 2276 2426

4. Surface Hole Program:

Bit: Drill an 124" hole to 200' using a retip mill tooth, IADC Class 115 or 116, bit. WOB: all. RPM: 70 - 100.

Mud: Use a fresh water base spud mud with the following properties:

<pre>Interval (ft)</pre>	Weight (ppg)	Ph Vis(sec/qt)	Water Loss
0 - 200	8.6 or less	9.0-9.5 40 - 50	No Control

Casing and Cementing: A string of 8%" 24 ppf J-55 or K-55 ST&C casing will be set and cemented to the surface in a single stage with 140 sacks (165.2 cf) of Class "B" cement (yield = 1.18 cf/sk) containing 3% CaCl₂ and 1/4 lb/sack celloflake. Slurry volume assumes 100% excess over calculated hole volume. If cement does not circulate to surface, cement will be topped off using 1" pipe down the 12%" by 8%" annulus. Minimum clearance between couplings and hole is 1.3125". Prior to drilling out the shoe, casing and BOPE will be tested to a minimum of 600 psig. Safety factors utilized in the design of this casing string were: burst = 1.1; collapse = 1.125; and tension = 1.8 or 100,000 lb overpull, whichever is greater.

WOC 12 HOURS. Nipple up 11" 2000# BOPE. Pressure test surface casing and BOPE to 600 psi for 15 minutes.

Centralizers: Run two (2) 8%" X 12%" regular bowspring centralizers. Install first one on stop ring in middle of shoe joint.

Float Equipment: Cement nose guide shoe thread locked. Also thread lock connection between first and second joint run.

Drilling Program
West Largo Corp.
Storey Gas Com A No. 2
Page Two

5. Production Hole Program:

Bit: Drill an 7%" hole to 2486' using a TCI, IADC Class 447 bit. WOB: 30-35K. RPM: 60-75. Reduce RPM to 55-65 through Ojo Alamo.

Mud: Use a fresh water base polymer and water system to drill this section. If hole conditions dictate, mud up with a fresh water base LSND mud with the following properties:

Interval (ft)	Weight (ppg)	<u>Ph</u>	Vis(sec/qt)	Water Loss
200 - 2486	8.6 - 8.8	9.0-9.5	28 - 35	10 - 12

Fresh water will be used for dilution and building volume. Sufficient materials will be on location at all times to maintain mud properties and to control any lost circulation problem or unforeseen abnormal pressures. The mud volume in the surface pit will be visually monitored and recorded on a routine basis.

Note: If mud up is required, raise **viscosity** to 55 - 60 for logging. Thin to 40 - 45 viscosity to run casing.

pH is to be maintained with lime or caustic soda at the recommended levels to assure drill pipe corrosion protection.

Drispac will be used for control of fluid loss.

<u>Lost Circulation</u> can occur in the Fruitland Coal and Pictured Cliffs formation. Mud weights should be controlled as low as possible with solids control equipment then as low as practical with water dilution.

Pressure Control: A 2M psi BOP well control system will be utilized. BOP's and choke manifold will be installed and pressure tested to a minimum of 600 psig before drilling out from under surface casing. Mechanical operation of pipe rams will be checked daily and blind rams will be checked on each trip out of hole. 4½" rams will be installed before running production casing. A full opening internal blowout preventor or drill pipe safety valve will be on the drill floor at all times and will be capable of fitting all connections.

Logging Program: Dual Induction and Compensated Neutron/Formation Density logs will be run from TD to the surface casing shoe.

Casing and Cementing Program: Run 4½" 10.5 ppf J-55 production casing from surface to TD and cement in a single stage with 290 sacks (739.5 cf) of Class B containing 3% sodium metasilicate extender, 5 pps Gilsonite and 1/4 pps celloflake. Lead slurry mixed at 11.8 PPG to yield 2.55 cf/sk. Tail in with 100 sacks (119.0 cf) of Class B with 0.25 pps celloflake, 0.3% FLA and 5 pps gilsonite mixed at 15.6 PPG to yield 1.19 cf/sk.

Drilling Program
West Largo Corp.
Storey Gas Com A No. 2
Page Three

5. Production Hole Program: -continued

Slurry volumes assume a 50% excess over gauge hole volume to circulate to surface. Minimum clearance between couplings and hole is 1.4375". Safety factors utilized in the design of this casing string were: burst = 1.1; collapse = 1.125; and tension = 1.8 or 100,000 lb over pull, whichever is greater.

Centralizers: $5 - 4\frac{1}{2}$ " X $7\frac{1}{6}$ " bowspring centralizers will be run across all prospective pays and $2 - 4\frac{1}{2}$ " X $7\frac{1}{6}$ " turbolizers will be spaced such that one (1) is just below the base of the Ojo Alamo and one (1) in the Ojo Alamo.

Float Equipment: Cement nose guide shoe, 1 joint 4½" casing, and float collar.

6. Auxiliary Equipment:

An upper kelly cock will be utilized. The handle will be available on rig floor at all times

7. Logging Program:

Dual Induction and Compensated Neutron / Formation Density will be run from TD to surface casing shoe. Bulk density will be presented on a 5 "scale through the coals. Deep induction curve will be merged onto the porosity log.

Coring and Testing Program:

No cores or drill stem tests are planned.

8. Abnormal Pressure:

Although not expected, abnormal pressures are possible in the Fruitland formation.

Estimated Bottom Hole Pressure:

250 - 300 psiq.

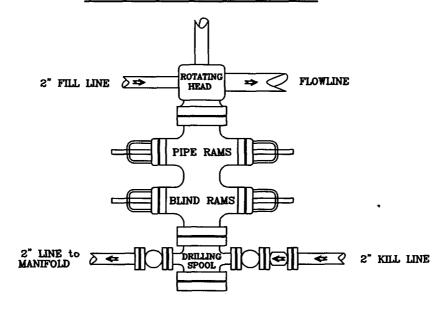
9. Anticipated Starting Date:

November 1, 2004

Duration of Operations: It is estimated a total of 6 days will be required for drilling operations and 5 days for the completion operation.

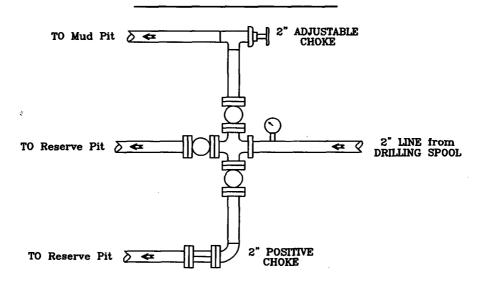
PRESSURE CONTROL

Wellhead Assembly



Preventer and Spools are to have a 6" Bore or larger and a 2000 PSI or higher Pressure Rating

Choke Manifold



West Largo Corp

Storey Gas Com A No. 2 1130' FSL - 1875' FEL Section 15, T28N, R9W, NMPM San Juan County, New Mexico