OCD-ARTESIA

Form 3160- (April 200											FORM APPROVED OMBNO. 1004-0137 Expires: March 31, 2007						
****	WELL COMPLETION OR RECOMPLETION REPORT AND LOG										5. Lease Serial No. LC-029338B						
	<u> </u>			<u> </u>	*** 11	<u> </u>							+	6 If Ind	ion Allotte	ee or Tribe Na	
ia. Type o			il Well √	∐G New ¹	as Well Well	Dry Dry Work Over	Othe		ug Back	C \square D	iff. Res	vr.	'	o. 11 1110	iaii, Aiioiii	ee of Tribe Nai	iic
J. 31			Oth	er	<u> </u>								7	! Unit o	or CA Agre	eement Name a	and No.
2. Name o	of Operato	or CO	G Ope	rating	LLC				4	•				Har	Name and		
						l, TX 79701		<u>ු</u>	32-685-	(1) rchude -43400	area co	(de)			15-35124		
4. Location of Well (Report location clearly and in accordance with Federal requirements) LIVED N									10		•	or Exploratory is Empire Ye	so				
At surf	ace prod. inter				FWL, Un	it E		O. S. S.		- 2017		ω/ }	11	I. Sec., Surve	T., R., M., y or Area	on Block and Sec 12, T17S,	R30E
At total	l depth							1.65	2111	01.60	31/		12	12 County or Parish 13. State Eddy NM			
14. Date Sp 09/25/			1		e T.D. Read 0/10/2006	ched		16. Date C	omproce	ed 11/0 Read	02/200	-	17	17. Elevations (DF, RKB, RT, GL)* 3744' GL			
18. Total D	•	ID 61	60'		19.	Plug Back T.D.		D 5725'		20. D	epth Br	idge Pl	ug Set			5760'	
<u> </u>		VD						VD		ļ			- 17	TV		 	
	lectric & INGS, M				ogs Run (S	ubmit copy of	each)		W	Vas well Vas DST Direction	run?	V	No L No □	Yes (Sul	bmit analysis) bmit report) (Submit copy)	
23. Casing	and Line	er Rec	ord (Re	port a	ll strings	set in well)				1 1	rifection	iai Sui v	cy:	[V]NO		(Subinit copy)	
Hole Size	Size/Gra	T_	Wt. (#/ft		op (MD)	Bottom (MD) Stage		tage Cementer Depth	No. of Sks. & Type of Ceme			Slurry Vol. (BBL) Ceme		Cemen	t Top*	Amount P	ulled
17-1/2	13-3/8		48	_		439			sx Cl C			Surface					
7-7/8	8-5/8 5-1/2	-	24 17			1571 6150	+			sx Cl C					Surface Surface	 	
1-7/8	3-1/2		1 /	+-		0150	+		1430	SX CI C	+				surrace	 	
				-			1										
24. Tubing Size		Set (M	(D) Pac	lear Do	pth (MD)	Size	<u> </u>	Depth Set (MD)	Dacker	Denth ()	4D)	Siz		Denth	Set (MD)	Packer Dep	th (MD)
None	None	Set (IV	ID) Tac	KCI DC	pur (IVID)	Size	++	ocpui set (MD)	1 acker	осри (п	(ID)	312		Бери	i set (MD)	1 deker Dep	ui (IVID)
25. Produci	ng Interva	ls			1			26. Perforation	Record	d							
	Formation	1			Тор	Bottom	_	Perforated			Size	_	No. I	loles		Perf. Status	
A) Yeso B) Yeso				-			5044.5' - 522 5321' - 566			2 SPF 42 2 SPF 72				Open			
B) Yeso Yeso	,			+				5321' - 5662' 5777.5' - 5912'			2 SPF	3			Open Open		
D)								377710 331							Орен		
	racture, Tre epth Interv		t, Cemer	t Sque	eze, etc.			Δ	mount a	and Type	of Mate	erial					
5044.5' -		aı		Sec	Attachm	ent		A	mount a	illu Type	OI WIALL	7141					
5321' -	5662'			Sec	Attachm	ent											
5777.5' - :	5912.5'			Sec	Attachm	ent											
	tion - Inter		1 70	•	Lou		***	Long		T C		- 					
Date First Produced	Test Date	Hours Tested	Tes Pro	l Juction	Oil BBL	Gas MCF	Wanter BBL	Oil Grav Corr. Al	PI	Gas Gra		Produ	uction	Method			
	1/08/2006	24		_	106	233	334	38.4				Flor	wing				
Size	Tbg. Press. Flwg. SI	Csg. Press.	Rate		Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio		Well	Well Status Producia		ducing	cing			
28a. Produc	ction - Inte	rval B		- <u></u>						•							
Date First Produced	Test Date	Hours Tested	Test Prod	uction	Oil BBL		Waster BBL	Oil Grav Cort. AI	ity I	Gas Gravit	Production A		AC	CEP	TED I	FOR RE	COR
Size	Tbg. Press. Flwg.	Csg. Press.	24 F Rate		Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio		Well 5	Status	'	-		.=.	1	
	SI auctions ar	id enan	as for a	Idition	al data on p	nage 21								+	IEC 2	2006_	
Dec mon	wessers ar	ы эрис	es joi ui	unii Ofli	n uuiu ON f	ouge 2/								WE	SLEY	, <i>YLOQUY</i> N. INGR/	· AM

28h, Prod	uction - Int	erval C	· · · · · · · · · · · · · · · · · · ·									
Date First	Test	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method			
Produced	Date	Tested	Production	BBL	MCF	BBL	Corr. API	Gravity				
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status				
	luction - In	terval D	· l · · · · · · · · ·									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method			
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status				
29. Disp SOI		Gas (Sold,	used for fuel,	vented, et	c.)							
30. Sum Show tests,	mary of Po	tant zones	of porosity a	and conter	its thereof:	Cored interva	als and all drill-sten and shut-in pressure	n	tion (Log) Markers			
Form	nation	Тор	Bottom	Bottom Descriptions, Contents, etc.					Name	Top Meas. Depth		
Queen Graybur San Andi Glorieta Yeso	res	2327 2732 3042 4535 4587	plugging pro	xedure):						25		
☐ Elec	ctrical/Mec dry Notice	hanical Log for pluggir	gs (1 full set and and cemen	req'd.) t verificati	Geo on Cor	ne appropriate clogic Report re Analysis mplete and co	DST Report Other:		al Survey sle records (see attached instructio	ns)*		

HARVARD FEDERAL #6 API#: 30-015-35124 EDDY, NM

C-105 (#27) ADDITIONAL INFORMATION

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED				
5044.5' - 5227.5'	Acidize w/ 2500 gals acid.				
	Frac w/ 96,041 gals gel, 8011# LiteProp,				
	& 93,020# 16/30 sand.				

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED				
5321' – 5662'	Acidize w/ 3000 gals acid.				
	Frac w/ 32,500 gals 30# gel, 58,112 gals 40#				
	gel, 8367# LiteProp, & 75,028# 16/30 white sand.				

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED				
5777.5' – 5912.5' Acidize w/ 2500 gals acid.					

Silver Oak Drilling, LLC

PO Box 1370 Artesia, NM 88211-1370 505/748-1288

October 25, 2006

COG, LLC Fasken Center, Tower II 550 West Texas Ave, Suite 1300 Midland, TX 79701

RE:

Harvard Federal #6 2310' FNL & 330' FWL Sec. 12, T47S, R30E Eddy County, New Mexico

Dear Sir,

The following is the Deviation Survey for the above captioned well.

DEPTH	DEVIATION	<u>DEPTH</u>	<u>DEVIATION</u>
245'	1/4°	3848'	1°
747′	1/2°	4345'	1/2°
1079′	3/4°	4841'	1°
1962'	1°	5341'	1°
2454'	1/4°	5874'	1°
2952'	1°	6122'	1°
3445'	10		

Very truly yours,

Eddie C. LaRue **Operations Manager**

State of New Mexico }

County of Eddy

The foregoing was acknowledged before me this 25th day of October, 2006.

Notary Public

