Form 3160-4 (April 2604)

OPERATOR'S CORX

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0137 Expires March 31, 2007

•	WELL COMPLETION OR RECOMPLETION REPORT AND LOG												5. Lease Serial No.				
1a. Type of Well Gas Well Dry Other Injection											6. If Indian, Allotee or Tribe Name						
h Type	طة of Completion:		New Well		k Over [Deepen	_	Plug Back		iff.Res	VT,.						
0. 13pc	or completion.	Ot	her						اب 						ent Name ar	NML04	
2. Name (of Operator										:	8. Leas	e Name	and W	ell No.	1011110	
	sources In	c,					120	Phone No.	Gratuda	araa a	ada)				rth Unit	302	
3. Addres	-						Ja.		•		oue)		Well No				
P.O. B	on of Well (Rep	a Lana ort locati	on clearly and	i in accord	lance with	Federal re	quireme	#34 ents) *	<u>686 36</u>	909			-025-3		Exploratory		
At surfa			1980' FEL				•								one Spri	ng	
	000-	eren er .	1300 FEE									11.Sec.,		М., ог	Block and		
At top p	orod. interval re	ported be	low									Sec	: 13,	T25S	, R33E		
At total	depth 213	2º FNL	& 429' F	WL								Lea	nty or Pa	arish	13.State		
14. Date 5			ate T.D. Reac				ate Con	pleted	<u>-</u>				vations ((DF, R	KB, RT, GL)*	
		1					D&A		Ready	y to Pro	o d .	1					
	2/10/03		/8/04				3/20	0/04	1				6 GEL			<u> </u>	
18. Total	Depth: MD TVD). Plug Ba	ck T.D.:	MD TVD	9 4	04E	20.	ucpth .	ninge.	Plug Set:	MD TVI		L 84 5		
21. Type	Electric & Other		2242 ical Logs Rur	(Submit c	opy of ea			845	22. Wa	s well o	ored?	X No			ubmit analysis)	
				•		,				s DST		X No			ubmit report	•	
				· _					Dù	rections	l Survey		\vo	X	es (Submit co	py)	
23. Casin	g and Liner Rec	ord (Rep	ort all strings	set in well))												
Hole Size	Size/Grade	Wt.(#ft.) Top (MI) Botto	m (MD)	Stage Cer Dept	tage Cementer No. of Sks. & Shirt Depth Type of Cement (B)		ny Vol. BBL)	C	Cement Top* Amount P		Pulled				
14 3/4	11 3/4	42		6	57			351 C					Surface				
11	8 5/8	32		_ 50	035			1287 P	ST C			S	urfac	е			
								200	C						;		
7 7/8	5 1/2	17		12	475			1990 POZ				38	300' 7	s			
	3 1/2	9.3	1164!	15	306			275	H								
24. Tubin	g Record																
Size	Depth Set (Packer Depth ()	(D)	Size	Depth Se	t (MD)	Packer D	epth (MD	<u>) </u>	Size	De	pth Set (1	MD)	Packer De	pth (MD)	
2 7/8	11574 cing Intervals	<u> </u>	11574		****	26 Pa-6-	tion T	1							<u> </u>		
23. F1000	Formation		Top		ottom	26. Perfo				67.	-,	No. Ho	<u></u>		Perf. Statu		
A)						Perforated Interval 12800-14800			Şize		55			Injection			
B)	Bone Spri	1114	12800	-			<u> 2800-</u>	T#900	-	0.32					mjecton		
c)			 						_		+	-					
D)					_	1	2240-	12264		0.39		96			Abanda	med	
27. Acid,	Fracture, Treat	ment, Cer	nent Squeeze,	Etc.						2,00		-					
	Depth Interval							Amount and	Type of	Materia	ı	000	E: 50 JPS 81		71		
												ろいしこ	PTEL	JFU	RREC	780 I	
													EED	2.4	2005		
													TLU	Z 4	2003		
28. Produc	tion - Interval A	<u> </u>												-		13/	
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravi	ity	Gas Gravity		Produc	tion Meth PST	G ARY ROLL	TGOU UM £	'RLEY NGN⊟EF	3	
Choke	Tog. Press.	Csg.	24	Oil	Gas	Water	Gas:		Well Sta	itus					4. 17,50		
Size	Flwg. SI	Press.	Hr.	BBL	MCF	BBL	Ratio			WIW				,		24	
28a. Produ	ction-Interval B															\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravi	ity	Gas Production Method Gravity								
Choke	Tbg. Press.	Csg.	24	Oil	Gas	Water	Gas:	Oil	Well Sta	tus				•		-080/	
Size	Flwg. SI	Press.	Hr.	BBL	MCF	BBL	Ratio			_					:		
(See Instruction	s and spaces for add	itional data	on page 2)	1													

on - Interv	al C										
Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method	*		
Tbg. Press Flwg. SI	. Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status				
ion-Interve	I D	·	·				_1				
Test Date	Hours Tested	Test Production	Oîl BBL	Gas MCF	Water BBL Gravity Gas Gravity Production Method						
Tbg. Press Flwg. Sl	Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	Status			
on of Gas (S	old,used for j	fuel, vented, et	c.)	<u> </u>							
ill importan	it zones of pe	orosity and co	ntents th	ereof: Con	red interva	als and all drill-stem lowing and shut-in	.	ion (Log) Markers			
tion	Тор	Bottom		Descriptions, Contents, etc.				Name	Top Mean Dooth		
			Delaware						Meas.Depth 5182		
									9260		
							3rd Bone	e Spring Sand	11985		
	•		•						301017		
					ppropriate	hoxes:					
rical/Mecha	nical Logs (1	full set req'd)	. [Geolo	ogic Repor		rt Direct	ional Survey			
			l informat	tion is com	plete and o	•			nstructions)*		
:1	then 1	Jagur		· · · · · · · · · · · · · · · · · · ·	·	Dat	e 2/8/05				
					1 ::-	7.7			·		
	Test Date Tog. Press Flwg. SI ion-Interva Test Date Tog. Press Flwg. SI on of Gas (S) ry of Porou Il important cluding dest and reco tion which item ical/Mecha y Notice for certify that lease print)	Tog. Press. Tog. Press. Flwg. Sil Indicate Hours Date Hours Date Tested Tog. Press. Csg. Flwg. Flwg. Flwg. Flwg. Flores. Flo	Test Date Tested Production Tog. Press. Csg. 24 Flwg. St. Tested Press. Hr. St. Date Tested Production Test Date Tested Production Test Press. Csg. 24 Flwg. St. Press. Hr. St. Date Press. Hr. St. Date Tested Production Tog. Press. Csg. 24 Flwg. St. Press. Hr. St. Date Press. Hr. St	Test Date Tested Production BBL Tog. Press. Csg. 24 Hr. BBL ion-Interval D Test Hours Production BBL Test Hours Production BBL Tog. Press. Csg. 24 Hr. BBL Tog. Press. Csg. 24 Hr. BBL Tog. Press. Csg. 24 Hr. BBL on of Gas (Sold, used for fuel, vented, etc.) Try of Porous Zones (Include Aquifers): Ill important zones of porosity and contents the heluding depth interval tested, cushion used as and recoveries tion Top Bottom Top Bottom which items have bee attached by placing a cheical/Mechanical Logs (I full set req'd) y Notice for plugging and cement verification of certify that the foregoing and attached informaticate print) Stan Wacmer	Test Tested Production BBL Gas Flwg. Press. Csg. 24 Press. St. St. St. St. St. St. St. St. St. St	Test Boate Tested Production BBL Gas BBL Tog. Press. Csg. 24 Oil BBL MCF BBL Tog. Press. Csg. Press. Ht. BBL MCF BBL Tog. Press. Csg. Production BBL MCF BBL Tog. Press. Csg. 24 Dil Gas MCF BBL Tog. Press. Csg. Production BBL MCF BBL Tog. Press. Csg. 24 Dil Gas MCF BBL Tog. Press. Csg. Press. Ht. BBL MCF BBL Tog. Press. Csg. Water BBL Tog. Press. McF BBL Tog. Water BBL MCF BBL Tog. Water BBL MCF BBL M	Test Test Production BBL Gas BBL Gravity Tog. Press. Cag. 24 Dil Gas MCF BBL Gravity Tog. Press. Lit. BBL Gravity Tog. Press. Cag. 24 Dil Gas MCF BBL Ratio Tog. Press. Lit. BBL Gravity Tog. Press. Lit. BBL Gravity Tog. Press. Lit. BBL Gas Coli Ratio Test Date Tested Production BBL MCF BBL Gravity Tog. Press. Lit. Gravity Tog. Press. Lit. BBL Gravity Tog. Press. Lit. Gravity Tog. Press. Lit. BBL Gravity Tog. Press. Lit. Gravity Tog. Grav. Water Gas: Oil Ratio Tog. BBL Gravity Tog. Press. Lit. Gravity Tog. Grav. Water Gas: Oil Ratio Tog. Press. Lit. Gravity Tog. Grav. Water Gas: Oil Ratio Tog. Press. Lit. Gravity Tog. Grav. Water Gas: Oil Ratio Tog. Press. Lit. Gravity Tog. Grav. Water Gas: Oil Ratio Tog. Press. Lit. Gravity Tog. Grav. Water Gas: Oil Ratio Tog. Press. Lit. Gravity Tog. Grav. Water Gas: Oil Ratio Tog. Grav. Water	Test Date Production DBL MCF BBL Gravity Gas Gravity The Press Case Ist. DBL MCF BBL Gravity Gas: Oil Well Status The Press Case Ist. DBL MCF BBL Gravity Gas: Oil Well Status The Press Case Ist. DBL MCF BBL Gravity Gravity The Press Case Ist. DBL MCF BBL Gravity Gravity The Press Case Ist. DBL MCF BBL Gravity Gravity The Press Case Ist. DBL MCF BBL Gravity Gravity The Press Case Ist. DBL MCF BBL Gravity Gravity The Press Case Ist. DBL MCF BBL Gravity Gravity The Press Case Ist. DBL MCF BBL Gravity Gravity The Press Case Ist. DBL MCF BBL Gravity Gravity The Press Case Ist. DBL MCF BBL Gravity Gravity The Press Case Ist. DBL MCF BBL Gravity Gravity The Press Case Ist. DBL MCF BBL Gravity Gravity The Press Case Ist. DBL MCF BBL Gravity Gravity The Press Case Ist. DBL MCF BBL Gravity Gravity The Press Case Ist. DBL MCF BBL Gravity Gravity The Press Case Ist. DBL MCF BBL Gravity Gravity The Press Case Ist. DBL MCF BBL Gravity Gravity The Press Case Ist. DBL MCF BBL Gravity Gravity The Press Case Ist. DBL MCF BBL Gravity Gravity The Press Case Ist. DBL MCF BBL MCF BBL Gravity The Press Case Ist. DBL MCF BBL MCF BBL Gravity The Press Case Ist. DBL MCF BBL MCF BBL Gravity The Press Case Ist. DBL MCF BBL MCF BBL Gravity The Press Case Ist. DBL MCF BBL MCF BBL Gravity The Press Case Ist. DBL MCF BBL MCF BBL Gravity The Press Case Ist. DBL MCF BBL MCF BBL Gravity The Press Case Ist. DBL MCF BBL MCF BBL Gravity The Press Case Ist. DBL MCF BBL MCF BBL Gravity The Press Case Ist. DBL MCF BBL MCF BBL Gravity The Press Case Ist. DBL MCF BBL MCF BBL Gravity The Press Case Ist. DBL MCF BBL MCF BBL Gravity The Press Case Ist. DBL MCF BBL MCF BBL MCF BBL Gravity The Press Case Ist. DBL MCF BBL	Test Hours Test Test Production BBL Gas Work Gas Gas Gravity Production Method		