Form 3160-5 (August 2007)

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

RECFIVE

FORM APPROVED OMB NO. 1004-0137 Expires July 31, 2010

5. Lease Serial No.

## SUNDRY NOTICES AND REPORTS ON WELLS DEC 1 9 2008

Jicarilla Contract 94
6. If Indian, Allottee or Tribe Name Do not use this form for proposals to drill or to re-enter an

SUBMIT IN TRIPLICATE - Other instructions on page 2  1. Type of Well Other  2. Name of Operator ENERGEN RESOURCES CORPORATION  3a. Address 2010 Afton Place, Farmington, NM 87401  4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  1000' FNL, 1950' FEL, Sec. 23, T27N, R03W, N.M.P.M.  (B) NW/NE  12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION  TYPE OF ACTION  Acidize Deepen Production (Start/Resume) Well Integrity  Well Integrity	abandoned well. Use Fort	m 3160-3 (APD) to. 	r such proposals." Co Farmingto	n Field Office	n Jicarilla Ap	ache		
Oil Well   Gras Well   Other   State   Other						7. If Unit or CA/Agreement, Name and/or No		
PARTICIPATION   Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration there if the proposal is the thing that the first size stayl for final impaction.   100 state of the present that the final size is ready for final impaction.   100 state of the present that the final size is ready for final impaction.   100 state of the present that the final size is ready for final impaction.   100 state of the present that the final size is ready for final impaction.   100 state of the present that the final size is ready for final impaction.   100 state of the present that the final size is ready for final impaction.   100 state of the present that the final size is ready for final impaction.   100 state of the present that the final size is ready for final impaction.   100 state of the present that the final size is ready for final impaction.   100 state of the present that the final size is ready for final impaction.   100 state of the present that the final size is ready for final impaction.   100 state of the present that the final size is ready for final impaction.   100 state of the present that the final size is ready for final impaction.   100 state of the present that the final size is ready for final impaction.   100 state of the present that the final size is ready for final impaction.   100 state of the present that the final size is ready for final impaction.   100 state of the present that the final size is ready for final impaction.   100 state of the present that the final size is ready for final impaction.   100 state of the present that the final size is ready for final impaction.   100 state of the present that the final size is ready for final impaction.   100 state of the final size is ready for final impaction.   100 state of the final size is ready for final impaction.   100 state of the final size is ready for final impaction.   100 state of the final size is ready for final impaction.   100 state of t	Oıl Well X Gas Well Other							
33. Address  30. Phone No. (suchular area coulds)  20.10 Acton Place. Emminston, NM 87401  4. Location of Well (Footage, Sec. T. R. M. or Survey Description)  4. Location of Well (Footage, Sec. T. R. M. or Survey Description)  100)** FRL, 1950** FEL, Sec. 23, 7278, RO3M, N.M.P.M.  11. County or Parish, State Rio Arriba NM  12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  13. Notice of Intent    Notice of Intent   Acidice   Deepee   Production (Stat/Resume)   Water Shark-Off	•	•			O ADI Wall No			
2010 Aften Place. Farmington, NM 87401 (505) 325-6800 [10. Field and Pool, or Exploratory Area Blanco Messaverede Blanco Genet Granco Messaverede Blanco Genet Granco Messaverede Blanco Genet Gen	3a. Address	3b. Phone No. (include as	rea code)	-				
1000° ENL, 1950° FEL, Sec. 23, T27N, R03W, N.M.P.M.  12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION  TYPE OF ACTION    Notice of Intent		(505) 325-680	(505) 325-6800					
(E) NW/NE  12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION  TYPE OF ACTION    Notice of latent		_			Blanco Mesav	erde		
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION  TYPE OF ACTION    Notice of Intent	•	M.P.M.	Р.М.		rish State			
TYPE OF SUBMISSION    Notice of Intent	(D) IM/INC				•			
Notice of Intent	12. CHECK APPROPRIATE	E BOX(ES) TO IN	DICATE NATURE OF	NOTICE, REPO		DATA		
After Casing   Fracture Treat   Reclamation   Well Integrity	TYPE OF SUBMISSION TYPE OF AG							
Subsequent Report	Notice of Intent	Acidize	Deepen	Production	(Start/Resume)	Water Shut-Off		
Casing Repair   New Construction   Recomplete   X  Other set casing to 1200 psi - ok.   Shot squeeze holes @ 1943'. Squeeze cement with 275 sks premium light, 28 CaCl2 tailed by 100 sks Class G (610 cu.ft.). Circulate 25 bbls cement to surface. Work page 14, 119 per 14 per 16 page 14, 119 per 16 page 14, 119 per 16 page 14, 119 per 17 per 16 page 15, 120 psi - ok.   This page 27 per 17 per 18 per 19 per 19 page 19 per 19 per 19 page 19 per 19 p		Alter Casing	Fracture Treat	Reclamation	on	Well Integrity		
Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration there if the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zo Atlach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filled of following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filled of testing has been completed. Final Abandoninent Notices shall be filled only after all requirements, including reclamation, have been completed, and the operator determined that the final site is ready for final inspection.)  12/16/08 Drill 8.75" hole to 4155". Ran 99 jts. 7.0" 23# LITSC cassing, set @ 4155". RU Halliburton.  Cement with 600 sks premirum light, 1/4#/sk flocale, 10#/sk gilsonite, 2% CaCl2 tailed by 100 sks premirum Class G, 1/4#/sk flocale (1264 cu.ft.). Plug down @ 7:15 am on 12/16/08. Did not circulate cement. Run Temperature Survey, could not determine TOC. Run CEL log, TOC @ 1975'. Test cassing to 1200 psi - ok.  Shot squeeze holes @ 1943'. Squeeze cement with 275 sks premirum light, 2% CaCl2 tailed by 100 sks Class G (610 cu.ft.). Circulate 25 bbls cement to surface. WOC. Test perfs to 1500 psi - ok. Drill out cement. NU BOP. Test cassing to 1200 psi - 30 minutes - ok. Test witnessed by Bryce Hammond - Jicarilla Oil & Gas. RD Halliburton. J  ACCEPTED FOR RECORD  DEC 2 9 2003  FARMON TON PELD OFFICE  Name (Primad Typed)  Vicki Donaghey  Title Regulatory Analyst  Date 12/19/08  DIST. 3  THIS SPACE FOR FEDERAL OR STATE OFFICE USE	X Subsequent Report	Casing Repair New Construction Recom		Recomplet	olete X Other set casing			
Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration there if the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zoo Attach the Bond under which the work will be performed or provide the Bond No. on file with BLMPMIA. Required subsequent reports shall be filled on following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filled only after all requirements, including reclamation, have been completed, and the operator determined that the final site is ready for final inspection.)  12/16/08 Drill 8.75" hole to 4155'. Ran 99 jts. 7.0" 23# LITSC casing, set @ 4155'. RU Halliburton.  Cement with 600 sks preminrum light, 1/4#/sk flocele, 10#/sk gilasonite, 2% CacI2 tailed by 100 sks preminrum Class G, 1/4#/sk flocele (1264 cu.ft.). Plug down @ 7:15 am on 12/16/08. Did not circulate cement. Run Temperature Survey, could not determine TOC. Run CEL log, TOC @ 1975'. Test casing to 1200 psi - ok.  Shot squeeze holes @ 1943'. Squeeze cement with 275 sks premium light, 2% CacI2 tailed by 100 sks Class G (610 cu.ft.). Circulate 25 bbls cement to surface. WOC. Test perfs to 1500 psi - ok. Drill out cement. NU BOP. Test casing to 1200 psi - 30 minutes - ok. Test witnessed by Bryce Hammond - Jicarilla Oil & Gas. RD Halliburton.  ACCEPTED FOR RECORD  DEC 2 9 2003  FARRAMORTON FELD OFFICE  BY T. S. WES  Title Regulatory Analyst OIL CONS. DTU  Signature  Date 12/19/08 DIST. 3  Title Regulatory Analyst OIL CONS. DTU	Final Abandonment Notice	Change Plans	Plug and Abandon	Temporari	ly Abandon			
If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zoon Attach the Bond under which the work will be performed or provide the Bond Mo. on file with BLMBIA. Required subsequent reports shall be filed on following completion or the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed on testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator determined that the final site is ready for final inspection.)  12/16/08 Drill 8.75" hole to 4155'. Ran 99 jts. 7.0" 23# LTGC casing, set @ 4155'. RU Halliburton.  Cement with 600 sks premirum light, 1/4#/sk flocale, 10#/sk gilsonite, 2% CaCl2 tailed by 100 sks premirum class G, 1/4#/sk flocale (1264 cu.ft.). Plug down @ 7:15 am on 12/16/08. Did not circulate cement. Run Temperature Survey, could not determine TCC. Run CEL log, TCC @ 1975'. Test casing to 1200 psi - ok.  Shot squeeze holes @ 1943'. Squeeze cement with 275 sks premium light, 2% CaCl2 tailed by 100 sks Class G (610 cu.ft.). Circulate 25 bbls cement to surface. WCC. Test perfs to 1500 psi - ok. Drill out cement. NJ BOP. Test casing to 1200 psi - 30 minutes - ok. Test witnessed by Bryce Hammond - Jicarilla Oil & Gas. RD Halliburton.  ACCEPTED FOR RECORD  DEC 23 2009  FARMINGTON FEELD OFFICE  N'IL SANCE FOR FEDERAL OR STATE OFFICE USE  Title Regulatory Analyst OIL CONS. DIV  Signature  Date 12/19/08 DIST. 3		Convert to Injects	on Plug Back	Water Disp	oosal			
Casing grade?  No approval on record for remedial work  14. I hereby certify that the foregoing is true and correct Name (Printed Typed)  Vicki Donaghey  Signature  Date 12/19/08  DIST. 3  DIST. 3	Cement with 600 sks preminum light preminum Class G, 1/4#/sk flocele circulate cement. Run Temperatur casing to 1200 psi - ok.  Shot squeeze holes @ 1943'. Sque G (610 cu.ft.). Circulate 25 bbl cement. NU BOP. Test casing to	nt, 1/4#/sk flood (1264 cu.ft.). The Survey, could be eace comment with ts comment to sur	ele, 10#/sk gilson Plug down @ 7:15 Inot determine TOC 275 sks premium l face. WOC. Test	uite, 2% CaCl am on 12/16 . Run CBL l ight, 2% CaC perfs to 150	2 tailed by 5/08. Did no log, TOC @ 19 C12 tailed by 00 psi - ok.	100 sks t 75'. Test 100 sks Class Drill out		
14. I hereby certify that the foregoing is true and correct Name (PrintedTyped)  Vicki Donaghey  Signature  Date 12/19/08  Title Regulatory Analyst  DIST. 3  THIS SPACE FOR FEDERAL OR STATE OFFICE USE		rdial wack			OE:	C 2 9 2009 GTCN FIELD OFFICE		
Vicki Donaghey  Title Regulatory Analyst OIL CONS. DIU  Signature Vicki Date 12/19/08  Date 12/19/08  THIS SPACE FOR FEDERAL OR STATE OFFICE USE	14 I hereby certify that the foregoing is true and correct	····			RCUDE	FC 31 '0A		
THIS SPACE FOR FEDERAL OR STATE OFFICE USE			Title Regula	atory Analys	was we			
	Signature Victor Amaku	V	Date 12/19/	08		<b>S</b> 7.3		
Approved by Title Date	Тні	SPACE FOR FEI	DERAL OR STATE OF	FICE USE				
I I	Approved by	Title	Title Date					
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon  Tela 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly, and willfully to make to any department or agency of the United States any false.	the applicant holds legal or equitable title to those rights in the su entitle the applicant to conduct operations thereon	ibject lease which would	NMOCD					

fictitious or fraudulent statements or representations as to any matter within its jurisdiction