Form 3160-3 (August 1999)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0136 Expires: November 30, 2000

1a. Type of Work   X   DRILL   REENTER   10. 11   12.   13.   14.   15	,	APPLICATION	I FOR PERM	IT TO DRILL	OR REENTER	1 V 1	ے۔۔۔ ا	Lease Serial N NMSF 0780			
2. Name of Operator  **Energen Resources** Corporation** 3a. Address** 2198 Bloomfield Highway Farmington, New Mexico 8740! (505)325-6800  4. Location of Well (Report location clearly and in accordance with any State equirements)* 4. Location of Well (Report location clearly and in accordance with any State equirements)* 4. Location of Well (Report location clearly and in accordance with any State equirements)* 4. Location of Well (Report location clearly and in accordance with any State equirements)* 4. Location of Well (Report location clearly and in accordance with any State equirements)* 5. Distance from proposed protocome in mearest town or post office* 10. Field and Pool, or Exploratory Bas'in Fruit1and Coal. 11. See, T. R. M., or Bill. and Sur J. See. 04, 127N, ROSW 12. County or Parish II State 13. State 15. Distance from proposed* 16. No of Acres in lease 17. Spacing Unit dedicated to this well location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any)  18. Distance from proposed location* 19. Proposed Depth 20. BLM/BIA Bond No. on file 19. Proposed Depth 20. BLM/BIA Bond No. on file 21. Elevations (Show whether DF, KDB, RT, GL, etc. 22. Approximate date work will start* 23. Estimated duration 24. Attachments  24. Attachments  25. Elevations (Show whether DF, KDB, RT, GL, etc. 264')  26. Applied for, on this lease, ft. 720'  26. A United and pool, or Exploratory Bas'in Fund Coal. 18. Bond to cover the operations unless covered by an existing bond on leter 20 above).  26. Operator certification. 27. Operator certification. 28. Supple of the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).  28. Signulature  19. Proposed Depth 20. BLM/BIA Bond No. on file 29. Engling Plan 29. En	a. Type of Work	X DRIL	L	REENTE	r 201	JAN 27 AM	1 1: 162	If Indian, Allo	otee or T	ribe Name	
Turner Hughes   272S	b. Type of Well	Oil Well	Gas Well	Other [	Single Zofie	Multiple Zon	5. NV	Unit or CA A	greemen	nt Name and	No.
Turner Hughes   272S   3.0   4.0   3.0   4.0   5.0	. Name of Operator		·· -				<del></del>	Lease Name a	and Well	No	
2198 Bloomfield Highway Farmington, New Mexico 8740 (505) 325-6800 [3.0 API Well No. 3.0 July 10. Field and Pool, or Exploratory At surface 2105' FSL, 1650' FEL At proposed prod. zone 2015' FSL, 201	Energen Resour	rces Corporatio	on								
Location of Well (Report location clearly and in accordance with any State equirements)?  At proposed prod. zone  4. Distance in miles and direction from nearest town or post office*  4. Distance in miles and direction from nearest town or post office*  5. Distance from proposed* location to nearest property or lease line, ft.  (Also to nearest drg. unit line, if any)  8. Distance from proposed location*  to nearest well, drilling, completed, applied for, on this lease, ft.  720  11. Elevations (Show whether DF, KDB, RT, GL, etc.  6452  22. Approximate date work will start*  23. Estimated duration  5. Diagneted in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:  4. Bond to cover the operations unless covered by an existing bond on lem 20 above).  5. Signuture  Name (Printed/Typed)  Date  Drilling & Completion Foreman  Name (Printed/Typed)  Date  Office  Date  Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the application approval 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 holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which wou	a. Address				i i		(de) 9.	API Well No.			
At surface 2105 FSL 1650 FEL  At proposed prod. zone 4. Distance in miles and direction from nearest town or post office*  4. Distance from proposed* 10. miles SE of Blanco NW 5. Distance from proposed* 10. miles SE of Blanco NW 6. Distance from proposed* 10. miles SE of Blanco NW 7. Spacing Unit dedicated to this well location to nearest property or lease line, fl. (Also to nearest drg. unit line, if any) 8. Distance from proposed location* 19. Proposed Depth 20. BLM/BIA Bond No. on file 21. Attachments 22. Approximate date work will start* 23. Estimated duration 24. Attachments 24. Attachments 25. Signulative 26. Depth 19. Proposed Depth 26. Such other site specific information and/or plans as may be required 19. Name (Printed/Typed) 25. Signulative 25. Signulative 26. Depth 19. Proposed Depth 26. Depth 27. Deate 27. Depth 27. Deate 28. Distance from proposed* 29. Depth 29. Date 29. Deate Plan (if the location is on National Forest Service Office) 29. Operator certification. 29. Oper	2198 Bloomfie	<u>ld Highway Far</u>	<u>rmington, l</u>	<u>lew Mexico 8</u>		5)325-6800		3004	15 3	32145	5
At proposed prod. zone  4. Distance in miles and direction from nearest town or post office*  10 miles SE of Blanco. NN  5. Distance from proposed* location to nearest property or lease line, ft. Also to nearest drg. until line, if any)  8. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.  720'  1. Elevations (Show whether DF, KDB, RT, GL, etc.  6452'  2. Approximate date work will start*  2. Approximate date work will start*  2. Buttanched to this form:  4. Bond to cover the operations unless covered by an existing bond on: ltem 20 above.  5. Signulature  Name (Printed/Typed)  Doug Thomas  Name (Printed/Typed)  Date  Chapication approval 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 holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which		•	=	lance with any Stat	e equirements)*	10		Basin Fri	uitlar	nd Coal	
4. Distance in miles and direction from nearest town or post office*  10 miles SE of Blanco, NM  11. Spacing Unit dedicated to this well location to nearest property or lease line, ft. (Also to nearest drg, until line, if any)  12. County or Parish NM  13. State San Juan NM  15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drg, until line, if any)  16. No of Acres in lease location to nearest property or lease line, ft. (Also to nearest drg, until line, if any)  18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 720  19. Proposed Depth 20. BLM/BIA Bond No. on file  20. BLM/BIA Bond No. on file  21. Elevations (Show whether DF, KDB, RT, GL, etc. 03/04 5 days)  22. Approximate date work will start*  23. Estimated duration 03/04 5 days  24. Attachments  Well plat certified by a registered surveyor.  24. Bond to cover the operations unless covered by an existing bond on: 18. A Surface Leve Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).  25. Signuature  Name (Printed/Typed)  Doug Thomas  Office  Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the application approval 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 holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds	At proposed prod.	zone				5000	``\ 11.		-		ey or A NMPM
10 miles SE of Blanco. NM  5. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest dry. unit line, if any)  8. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.  720'  11. Elevations (Show whether DF, KDB, RT, GL, etc.  6452'  22. Approximate date work will start*  23. Estimated duration  6452'  24. Attachments  15. No of Acres in lease  17. Spacing Unit dedicated to this well  20. BLM/BIA Bond No. on file  20. BLM/BIA Bond No. on file  20. BLM/BIA Bond No. on file  21. Elevations (Show whether DF, KDB, RT, GL, etc.  22. Approximate date work will start*  23. Estimated duration  33/04  5. days  24. Attachments  25. Well plat certified by a registered surveyor.  26. A Drilling Plan  36. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).  26. Signuature  Name (Printed/Typed)  Doug Thomas  Office  Date  4 — 22  Application approval 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 holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the applica	4. Distance in miles ar	nd direction from near	est town or post	office*	Tee?		12.				*****
16. No. of Acres in lease location to nearest regulation (Also to nearest drg. unit line, if any)  16. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.  720'  1. Elevations (Show whether DF, KDB, RT, GL, etc.  6452'  2. Approximate date work will start*  2. Approximate date work will start*  2. Approximate date work will start*  2. A Drilling Plan  A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).  Name (Printed/Typed)  Doug Thomas  16. No. of Acres in lease  17. Spacing Unit dedicated to this well  302.72  2. D. BLM/BIA Bond No. on file  2. D. BLM/BIA Bond No. on file  2. Approximate date work will start*  2. Bond to cover the operations unless covered by an existing bond on intermination and/or plans as may be required in authorized officer.  1. Bond to cover the operations unless covered by an existing bond on intermination and/or plans as may be required in authorized officer.  1. Bond to cover the operations unless covered by an existing bond on intermination and/or plans as may be required in authorized officer.  1. Signulature  Name (Printed/Typed)  Doug Thomas  Office  Approved by (Signautre)  Name (Printed/Typed)  Date  4. Date			-		o NM			-		NM	
location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any)  8. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 720'  1. Elevations (Show whether DF, KDB, RT, GL, etc. 6452'  22. Approximate date work will start*  23. Estimated duration  5 days  24. Attachments  The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:  Well plat certified by a registered surveyor.  A Drilling Plan  A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).  Was proved by (Signautre)  Name (Printed/Typed)  Date  Office  Office  Application approval 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 holds legal or equitable title to those rights in the subject lease which would entitle the applicant on approval 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 holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rig	5 Distance from pro	nosed*	10 1111103	SE OF BIGHE	¥ 0~ 1	ı lease			ated to th		
Solution					\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			.6 0			
to nearest well, drilling, completed, applied for, on this lease, ft.  720'  2624'  1. Elevations (Show whether DF, KDB, RT, GL, etc. 6452'  24. Attachments  25. Approximate date work will start*  264. Attachments  265. Signuature  265. Signuature  2664'  270'  2664'  270'  2864'  297. Approximate date work will start*  298. Estimated duration  3704  5 days  24. Attachments  4. Bond to cover the operations unless covered by an existing bond on lem 20 above).  5. Operator certification.  5. Such other site specific information and/or plans as may be required authorized officer.  25. Signuature  267. Date  2684'  298. Estimated duration  5 days  299. Estimated duration  5 days  209. The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:  4. Bond to cover the operations unless covered by an existing bond on lem 20 above).  5. Operator certification.  6. Such other site specific information and/or plans as may be required authorized officer.  25. Signuature  2684'  27. Approximate date work will start*  289. Estimated duration  299. Es			1650'		302		<i>پ</i>	302.72 E	1/2		
applied for, on this lease, ft.  720'  1. Elevations (Show whether DF, KDB, RT, GL, etc. 6452'  22. Approximate date work will start*  03/04  5 days  24. Attachments  The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:  4. Bond to cover the operations unless covered by an existing bond on litem 20 above).  5. Operator certification.  5. Signuature  Name (Printed/Typed)  Doug Thomas  Office  Approved by (Signautre)  Name (Printed/Typed)  Date  Office  Office  Application approval 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 holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights applicant holds legal or equitable title to those rights applicant holds legal or equitable title to those rights applicant holds legal or equitable title to those rig					19. Proposed Dep	th	20.BLM	BIA Bond N	lo. on file	e	
1. Elevations (Show whether DF, KDB, RT, GL, etc. 6452'  22. Approximate date work will start* 03/04  23. Estimated duration 5 days  24. Attachments  The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:  4. Bond to cover the operations unless covered by an existing bond on litem 20 above).  5. Operator certification.  6. Such other site specific information and/or plans as may be required a authorized officer.  7. Name (Printed/Typed)  Doug Thomas  Office  Approved by (Signautre)  Name (Printed/Typed)  Date  Gritle  Office  Office											
24. Attachments  The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:  Well plat certified by a registered surveyor.  A Drilling Plan  A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).  Supposed by Gignautre  Date  Doug Thomas  Office  Approved by (Signautre)  Name (Printed/Typed)  Date  Office  Office  Office	applied for, on the	s lease, it.	720'		2624	."					
24. Attachments  25. Attachments  26. Attachments  27. Attachments  28. Attachments  29. Attachments  29. Attachments  29. Auttachments  20. Attachments  20. A poilting Plan  20. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).  29. A surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).  20. A surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).  30. Operator certification.  31. Such other site specific information and/or plans as may be required authorized officer.  31. Name (Printed/Typed)  32. Date  33. Date  34. Bond to cover the operations unless covered by an existing bond on the plant of the point	1 Elevations (Show a	Whether DE KDR RT	GI etc		22 Approximate	date work will sta		23 Estimate	ed durati	on	
24. Attachments  The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:  1. Well plat certified by a registered surveyor.  2. A Drilling Plan  3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).  4. Bond to cover the operations unless covered by an existing bond on Item 20 above).  5. Operator certification.  6. Such other site specific information and/or plans as may be required authorized officer.  25. Signuature  Name (Printed/Typed)  Doug Thomas  Date  4. Double of the operations unless covered by an existing bond on Item 20 above).  6. Such other site specific information and/or plans as may be required authorized officer.  Doug Thomas  O1/26  Approved by (Signautre)  Name (Printed/Typed)  Date  4. Double of the operations unless covered by an existing bond on Item 20 above).  6. Such other site specific information and/or plans as may be required authorized officer.  Office  Office	•	whether DI, KDB, KI	, GL, Cic.					25. Estinati			
The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:  Well plat certified by a registered surveyor.  A Drilling Plan  A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).  Name (Printed/Typed)  Date  Doug Thomas  Office  Approved by (Signautre)  Name (Printed/Typed)  Date  Office  Office  Office	0452					03/04			_ 5 (	aays	
Doug Thomas  Doug Thomas  O1/26  Drilling & Completion Foreman  Approved by (Signautre)  Name (Printed/Typed)  Date  4-22  Application approval 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 holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the applicant holds legal or equitable title to those rights in the applicant holds legal or equitable title to those rights and the applicant holds legal or equitable title to those rights are applicant holds legal or equitable title to those rights are applicant holds legal or equitable the applicant holds legal or equitable the applicant holds legal or equitable the appli	Well plat certified A Drilling Plan A Surface Use Plan	I by a registered survey	yor. n National Fores	t System Lands, th	4. Bond to Item 20 abo e 5. Operato 6. Such ot	o cover the operative).  or certification.  ther site specific in	tions unless	covered by a		_	Ì
Drilling & Completion Foreman  Approved by (Signautre)  Name (Printed/Typed)  Date  4-2-2  Application approval 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 holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the applicant holds legal or equitable title to those rights in the applicant holds legal or equitable title to those rights in the applicant holds legal or equitable title to those rights in the applicant holds legal or equitable title to those rights and the applicant holds legal or equitable title to those rights and the applicant holds legal or equitable title to those rights and the applicant holds legal or equitable title to those rights and the applicant holds legal or equitable title to those rights and the applicant holds legal or equitable title to those rights and the applicant holds legal or eq	25.Signuature		V	1	Name (Printed/Typed	<i>l</i> )		1	Date		
Drilling & Completion Foreman  Approved by (Signautre)  Name (Printed/Typed)  Date  4-2-2  Application approval 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 holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the applicant holds legal or equitable title to those rights in the applicant holds legal or equitable title to those rights in the applicant holds legal or equitable title to those rights in the applicant holds legal or equitable title to those rights in the applicant holds legal or equitable title to those rights in the applicant holds legal or equitable title to those rights in the applicant holds legal or equitable title to those rights in the applicant holds legal or equitable title to those rights are the applicant holds legal or equitable title to those rights are the applicant holds legal or equitable title to those rights are the applicant holds legal or equitable title to those rights are the applicant holds legal or equitable title to those rights are the applicant holds legal or equitable title	Parint	c now To	1		Doug Thomas			ļ		01/26/	/ <b>NA</b>
Approved by (Signautre)  Name (Printed/Typed)  Date  4-27  Title (c) David J. Markiserics  Office  Application approval 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 holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the applicant holds legal or equitable title to those rights in the applicant holds legal or equitable title to those rights are applicant holds legal or equitable title to those rights are applicant holds legal or equitable title to those rights are applicant holds legal or equitable title to those rights are applicant holds legal or equitable title to those rights are applicant holds legal or equitable title to those rights are applicant holds legal or equitable title to those rights are applicant holds legal or equitable title to those rights are applicant holds legal or equitable title to those rights are applicant holds legal or equitable title to those rights are applicant holds legal or equitable title to those rights are applicant holds.	9	and the same	Agon	alian.	godg monds					01/20/	<del></del>
Title <b>[a] David J. Markiswick</b> Office  Application approval 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 holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant holds legal or equitable title to those rights in the applicant holds legal or equitable title to those rights in the applicant holds legal or equitable title to those rights in the applicant holds legal or equitable title to those rights in the applicant holds legal or equitable title to those rights in the applicant holds legal or equitable title to those rights are the applicant holds legal or equitable title to those rights are the applicant holds legal or equitable title to those rights are the applicant holds legal or equitable title to those rights are the applicant holds legal or equitable title to those rights are the applicant holds legal or equitable title to those rights are the applicant holds legal or equitable title to those rights are the applicant holds legal or equitable title to those rights are the applicant holds legal or equitable title to those rights are the applicant holds legal or equitable title to those rights are the applicant holds legal or equitable title to those rights ar			-eman								
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the a		,		ľ	Name ( <i>Printed/Typed</i>	<i>i</i> )			Date 4	-22	-0
	Title /s/ David	J. Marking		(	Office						
Conditions of approval, if any, are attached.	conduct operations th	nereon.		pplicant holds leg	al or equitable title	to those rights in	the subjec	t lease which	would e	entitle the ap	plicant
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowlingly and willfully to make to any department or agency o States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.							fully to mak	te to any depa	artment o	or agency of	the Uni
*(Instructions on Reverse) COA: Compliance W/Rule 60	*(Instructions on Rev	verse)	COA:	compli	ance w	Robe 60	3				

This action is subject to feehnical and procedural review pursuant to 43 CFR 3165 @ and append pursuant to 43 CFR 3165 #

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

District I PO Box 1980, Hobbs, NM 88241-1980

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

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

District IV PO Box 2088, Santa Fe, NM 87504~2088

State of New Mexico Energy, Minerals & Natural Resources Department

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

Form C-102 Revised February 21, 1994 Instructions on back Submit to Appropriate District Office

015

State Lease - 4 Copies Fee Lease - 3 Copies

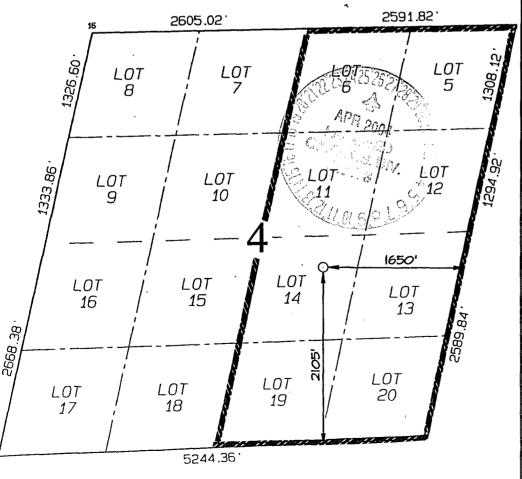
AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number	Pool Code	Pool Name	
30-045-32145	71629	BASIN FRUITLAN	D COAL
Property Code	*Pr	operty Name	*Well Number
31424	2725		
'OGRID No.	* Op	erator Name	Elevation
162928	ENERGEN RESC	OURCES CORPORATION	6452
	<sup>10</sup> Sunfa	ace Location	

UL or lot no. Section Township Lot Idn Range Feet from the North/South line Feet from the East/West line County 4 27N 9W 2105 SOUTH 1650 **EAST** SAN JUAN <sup>11</sup>Bottom Hole Location Different From Surface UL or lot no. Section Lot Idn Feet from the North/South line Feet from the East/West line County Dedicated Acres <sup>13</sup> Joint or Infill <sup>14</sup> Consolidation Code <sup>15</sup> Order No. 302.72 Acres - (E/2)

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



HE DIVISION
17 OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
In Jahan
Signature
Printed Name
Title
1-4-84
Date
*SURVEYOR CERTIFICATION
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
Survey Date: NOVEMBER 12, 2003
Signature and Seal of Professional Surveyor
C. EDW
STEW MEXICO
3/86/00/
景 (15269) 度
TEST CONTRACTOR OF THE PARTY OF
ANOFESSION AND ESSION
JASON C. EDWARDS
Cectificate Number 15269

#### **OPERATIONS PLAN**

WELL NAME: Turner Hughes # 272S

<u>LOCATION:</u> 2105' FSL, 1650' FEL, Section 4, T27N, R9W, San Juan County, NM FIELD: BASIN FRUITLAND COAL <u>ELEVATION:</u> 6452' GL

#### **FORMATION TOPS:**

San Jose	Surface
Nacimiento	434
Ojo Alamo	1559
Kirtland	1669
Fruitland	2259

Total Depth 2624

## LOGGING PROGRAM:

Open Hole Logs:

Surface to intermediate: None Top of Fruitland to total depth:

Mud Logs:

None

Coring:

None

Natural Gauges:

Every 500' from intermediate TD to total depth

<u>MUD PROGRAM</u>: Fresh water low solids mud from surface to intermediate TD (9.0 PPG). Air/mist from Intermediate casing point to total depth.

#### CASING PROGRAM:

HOLE SIZE	<u>DEPTH</u>	<b>CSG SIZE</b>	$\underline{\mathrm{WT.}}$	<u>GRADE</u>
12 ¼"	200'	9 5/8"	32.3#	H-40 ST&C
7 7/8"	2624'	5 1/2"	15.5#	J-55 ST&C

#### **TUBING PROGRAM:**

2600' 2-3/8" 4.7# J-55

WELLHEAD: 9 5/8"x 2000# x 5 ½" Larkin Fig. 92casing head. 5 ½" 2000 x 2" tubing head.

#### **BOP SPECIFICATIONS:**

An 11" 2000 psi minimum double gate BOP stack (Figure 1) will be used following nipple up of casing head. During air drilling operations, a Shaffer Type 50 or equivalent rotating head will be installed on top of the stack. A 2" nominal, 2000 psi minimum choke manifold will be used. An upper Kelly Cock valve with handle available and drill string valve to fit each drill string will be available on the rig floor during drilling operations.

#### **CEMENTING:**

9 5/8" surface casing - Cement with 110 sks Class B Cement with ½# flocele/sk and 2% calcium chloride (130 cu. ft. of slurry, 100% excess to circulate to surface). WOC 12 hrs. Test casing to 600# for 30 minutes.

Texas Pattern Guide Shoe on bottom, with 3 centralizers on first 3 joints.

## 5 1/2" production casing:

Cement with 385 sks 65/35 Class B Poz with 6% gel, 2% calcium chloride, 10% gilsonite, and ½# flocele/sk. Tail with 100 sks Class B w/2% calcium chloride, 10% gilsonite and ½# flocele/sk. (864 cu. ft. of slurry, 90% excess to circulate to surface). WOC 12 hrs prior to completion. If cement does not circulate, run temperature survey in 8 hrs. to determine TOC.

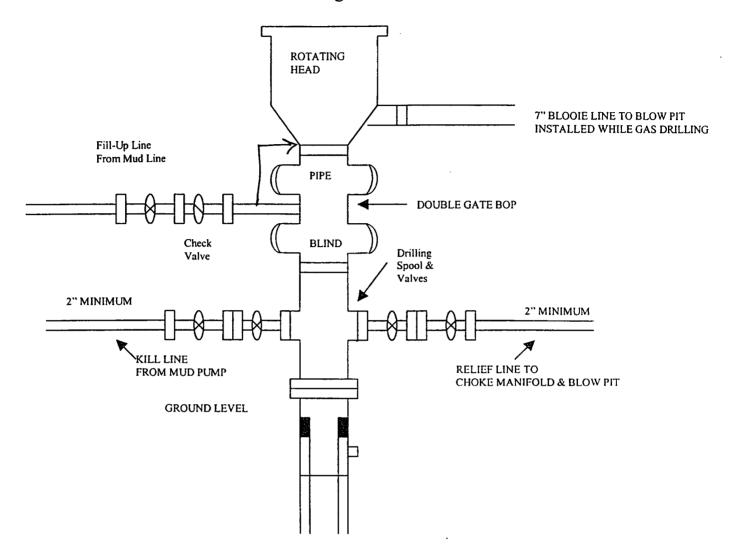
Cement nose guide shoe on bottom with a self-fill insert float valve on top of shoe joint. 10 bow spring centralizers spaced every 2nd joint off bottom. Two turbolating centralizers at the base of the Ojo Alamo.

### **OTHER INFORMATION:**

- 1) No abnormal temperatures or pressures are anticipated.
- 2) If lost circulation is encountered, sufficient LCM will be added to mud system to maintain well control.
- 3) This gas is dedicated.
- 4) Anticipated pore pressure for the Furitland is 700 psi.

# **ENERGEN RESOURCES CORPORATION**

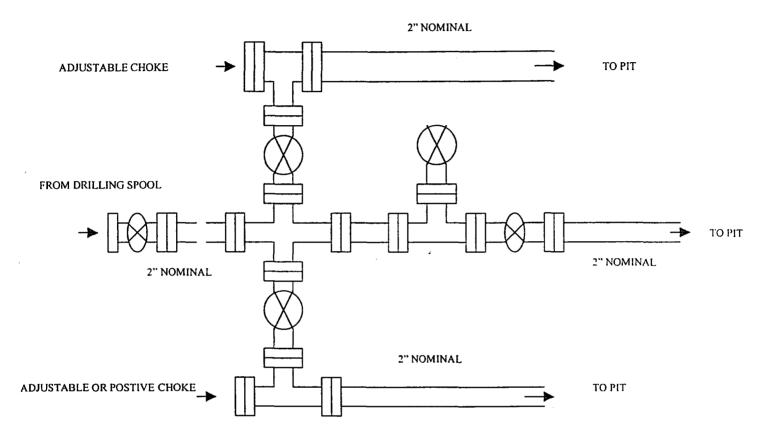
Mesa Verde / Dakota Well BOP Configuration



Minimum BOP installation for a Mesaverde well from Surface to Total Depth. 11' Bore, 2000 psi minimum working pressure double Gate BOP to be equipped with blind and pipe rams. A Schaffer Type 50 or equivalent rotating head to be installed on the top of The BOP. All equipment is 2000 psi working pressure or greater.

# **ENERGEN RESOURCES CORPORATION**

Choke Manifold Configuration 2M psi System



Minimum choke manifold installation from surface to Total Depth. 2" minimum, 2000 psi working pressure equipment with two chokes.

