

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

NOV 17 2010

2. Name of Operator
ENERGEN RESOURCES CORPORATION

Farmington Field Office
Bureau of Land Management

3a. Address
2010 Afton Place, Farmington, NM 87401

3b. Phone No. (include area code)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
845' FSL, 987' FWL, T27N R13W Sec. 10

5. Lease Serial No.

SF-077972

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Richardson 5E

9. API Well No.

30-045-26152

10. Field and Pool, or Exploratory Area
Basin Dakota

11. County or Parish, State

San Juan NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|---|--|---|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input type="checkbox"/> Other |
| <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
| <input type="checkbox"/> Convert to Injection | <input checked="" type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Energen Resources plugged-back the Richardson #5E to complete the Basin Fruitland Coal as follows on the attached procedure:

Need Completion report for the Fruitland Coal

RCVD NOV 23 '10

OIL CONS. DIV.

DIST. 3

REPORT TUBING WEIGHT AND GRADE

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Andrew Soto

Title District Engineer

Signature

Date 11/17/10

ACCEPTED FOR RECORD

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

NOV 19 2010
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.

Office

FARMINGTON FIELD OFFICE
SM

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



Energen Resources Corp.

605 Richard Arrington Blvd.

Birmingham, AL 35205

(800) 292-4005

Wellwork Chronological Report

Well Name : RICHARDSON 5E DK							
Prospect:	BR			AFE #:	SJ10-175		
Sec/Twp/Rge:	10 / 27N / 13W			AFE Total:	\$35,860		
API #:	3004526152	Field:	DAKOTA	This AFE Cost:	\$21,355		
Work Type:	P&A	County, St.:	SAN JUAN, NM	Tot Assoc AFE's:	\$21,355		
Operator:	gen Resources Corpor	Supervisor:	J. THOMPSON	Phone:	505.320.1748		
Production Current/Expected:	Oil:	0 / 0	Gas:	0 / 0	Water:	0 / 0	
Job Purpose: PLUG BACK DAKOTA FORMATION. COVER GALLUP & MESAVERDE INTERVAL W/ CEMENT							
Wellwork Details							
Date:	10/5/2010	Days:	1	DC:	\$2,875	CCC:	\$2,875
Activity:	MOL & RU			Rig Name:	MESA #201		
Daily Report Summary :							
Daily Report Detail:		ROAD RIG FROM FEDERAL 29-9-13#1. MOL & RU RIG & RELATED EQUIPMENT. SPOT 400 BBL FRAC TANK & FLOWBACK TANK. SPOT TUBING TRAILER. FOUND WELL W/ 320 PSI ON CASING. CYCLE PISTON TO THE SURFACE AND BLEED OFF PRESSURE. ND WH & NU BOP. UNSEAT DONUT & TOH W/ 40 STDS OF 2-3/8" TBG. SWI, SECURE LOCATION & SDON.					
Date:	10/6/2010	Days:	2	DC:	\$4,920	CCC:	\$7,795
Activity:	Set CIBP			Rig Name:	MESA #201		
Daily Report Summary :							
Daily Report Detail:		FINISH TOH W/ 2-3/8" TUBING. STRING WAS AS FOLLOWS: 193 JTS OF 2-3/8" TUBING, SEATING NIPPLE & 1 JT OF 2-3/8" TBG. TALLY INDICATES THAT EOT WAS LANDED AT 6059' KB, SN AT 6026' KB. PU 4-1/2" CASING SCRAPER & ROUND TRIP TO 5992' KB. LAY DOWN CASING SCRAPER. INSTALL SEATING NIPPLE ON BOTTOM JT & PLACE STANDING VALVE IN SEATING NIPPLE. PU 4-1/2" CIBP & TIH ON 2-3/8" TBG. SET CIBP AT 5943' KB. PULL UP TO 5928' & LOAD TUBING W/ 23 BBLs OF 2% KCL WATER. PRESSURED UP TO 200 PSI THEN BROKE BACK TO 0 PSI. LOAD CASING W/ ADDITIONAL 65 BBLs OF 2% KCL WATER. OPEN TUBING TO FLOWBACK TANK AND CIRCULATE HOLE CLEAN. SHUT PIPE RAMS AND TBG VALVE. PRESSURE UP ON CASING/CIBP TO 500 PSI - HELD OK. BLEED OFF PRESSURE & TOH LOOKING FOR HOLE IN TUBING. TOH W/ 40 STDS. WILL CONTINUE TOH LOOKING FOR HOLE IN MORNING. SWI, SECURE LOCATION & SDON.					
Date:	10/7/2010	Days:	3	DC:	\$13,560	CCC:	\$21,355
Activity:	Plug-Back			Rig Name:	MESA #201		
Daily Report Summary :							
Daily Report Detail:		CONTINUE TOH, LOOKING FOR HOLE IN TUBING. FOUND HOLE IN JT #46. LAY DOWN BAD JT. PRESSURE UP ON REMAINING TUBING IN WELL TO 1000 PSI - HELD OK. TIH, PRESSURE TESTING EVERY 30 STDS. TIH TO 5943' (TOP OF CIBP) AND PRESSURE TEST REMAINING TUBING TO 1000 PSI - HELD OK. RU HALLIBURTON ENERGY SERVICES & HOLD SAFETY MEETING. PRESSURE TEST PUMPS AND LINES TO 1000 PSI. ESTABLISH CIRCULATION W/ WATER. PLUG #1- MIX & PUMP 20 SX (23 CF) OF CLASS "G" CEMENT IN A BALANCED PLUG FROM TOP OF CIBP (5943' TO 5686'). TOH W/ TUBING (LAYING DOWN WHILE TOH) TO 5183'. ESTABLISH CIRCULATION W/ WATER. PLUG #2 - MIX & PUMP 20 SX (23 CF) OF CLASS "G" CEMENT IN A BALANCED PLUG FROM 5183' - 4926'. TOH W/ TUBING (LAYING DOWN WHILE TOH) TO 2349'. PLUG #3 - MIX & PUMP 20 SX (23 CF) OF CLASS "G" IN A BALANCED PLUG FROM 2349' - 2092' KB. TOH W/ REMAINING TBG (IN STDS). HAD HALLIBURTON TOP OFF CASING W/ WATER. RD & RELEASE HALLIBURTON. SWI, SECURE LOCATION & SDON.					



Energen Resources Corp.

605 Richard Arrington Blvd.
Birmingham, AL 35205
(800) 292-4005

Wellwork Chronological Report

Well Name : RICHARDSON 5E FC								
Prospect:	BR				AFE #:	SJ10-177		
Sec/Twp/Rge:	10 / 27N / 13W				AFE Total:	\$258,977		
API #:	3004526152	Field:	FRUITLAND COAL		This AFE Cost:	\$116,868		
Work Type:	Pay-Add	County, St.:	SAN JUAN, NM		Tot Assoc AFE's:	\$116,868		
Operator:	gen Resources Corpor		Supervisor:	JOHN THOMPSON		Phone:	505.320.1748	
Production Current/Expected	Oil:	0 / 0		Gas:	0 / 0		Water:	0 / 0
Job Purpose:	PERFORATE & FRAC THE FRUITLAND COAL FORMATION.							

Wellwork Details									
Date :	10/8/2010	Days:	1	DC :	\$16,678	CCC:	\$16,678	CWC:	\$16,678
Activity:	RUN LOGS & PUMP ACID CLEANUP			Rig Name:	MESA #201				
Daily Report Summary :									
Daily Report Detail:		RU BASIN WIRELINE SERVICES & HOLD SAFETY MEETING. RIH W/ CBL/DSN/GR LOG. RUN LOGS FROM 2000' TO SURFACE. FOUND BASE OF FRUITLAND COAL AT 1390', GOOD CEMENT BOND ACROSS INTERVAL TO BE PERFORATED & STIMULATED. RIH W/ CIBP & SET PLUG AT 1550' KB. RD WIRELINE TRUCK. RIH W/ 3-7/8" BIT, BIT SUB, 4-1/2" CASING SCRAPER ON 2-3/8" TBG. RU P.A.C.E. SERVICES. HOLD SAFETY MEETING. LOAD HOLE W/ 2% KCL WATER. SI PIPE RAMS AND PT CIBP & CASING TO 1000 PSI - HELD OK. PU POWER SWIVEL. PUMP 400 GAL OF 15% HCL ACID DOWN TUBING AT 4 BPM WHILE R&R TUBING. CIRCULATE ACID OUT W/ 40 BBLS OF 2% KCL. LAY DOWN POWER SWIVEL. TOH, LAYING DOWN TUBING. SWI, SECURE LOCATION & SD FOR WEEKEND.							
Date :	10/11/2010	Days:	4	DC :	\$5,213	CCC:	\$21,891	CWC:	\$21,891
Activity:	PRESSURE TEST CIBP			Rig Name:	MESA #201				
Daily Report Summary :									
Daily Report Detail:		ND BOP. NU 5K FRAC VALVE W/ FRAC "Y" ON TOP. PRESSURE TEST TO 3500 PSI - HELD OK FOR 15 MIN. RD RIG & EQUIPMENT AND MOVE TO RICHARDSON #7. OFF REPORT - WAITING TO SCHEDULE FRAC DATE.							
Date :	11/2/2010	Days:	26	DC :	\$7,106	CCC:	\$28,997	CWC:	\$28,997
Activity:	Perforate			Rig Name:	MESA #201				
Daily Report Summary :									
Daily Report Detail:		RU BASIN WIRELINE SERVICE & HOLD SAFETY MEETING. RIH W/ 3-1/8" HSC & PERFORATE FRUITLAND COAL FORMATION AT THE FOLLOWING DEPTHS: 1324'-26', 1339'-41' & 1372'-86'. NET PAY OF 21' AT 4 SPF FOR A TOTAL OF 84 HOLES (0.42" EHD). CORRELATE TO CBL/CNL/GR LOG RAN 10/08/2010. RD & RELEASE BASIN WIRELINE. TANKS LOADED W/ 720 BBLS OF 2% KCL WATER HEATED TO 90 DEGREES. SAND MASTER ON LOCATION, FRAC SCHEDULED FOR 10:00 AM 11/3/2010.							

Well Name : RICHARDSON 5E FC										
Prospect:	BR				AFE #:	SJ10-177				
Sec/Twp/Rge:	10 / 27N / 13W				AFE Total:	\$258,977				
API #:	3004526152	Field:	FRUITLAND COAL		This AFE Cost:	\$116,868				
Work Type:	Pay-Add	County, St.:	SAN JUAN, NM		Tot. Assoc. AFE's:	\$116,868				
Operator:	Gen Resources Corpor		Supervisor:	JOHN THOMPSON		Phone:	505.320.1748			
Production Current/Expected	Oil:	0 / 0		Gas:	0 / 0		Water:	0 / 0		
Job Purpose: PERFORATE & FRAC THE FRUITLAND COAL FORMATION.										
Date :	11/3/2010	Days:	27		DC :	\$63,609	CCC:	\$92,606	CWC:	\$92,606
Activity:	Frac & Flow-Back			Rig Name:	MESA #201					
Daily Report Summary :										
Daily Report Detail:										
<p>RU BJ SERVICES & HOLD SAFETY MEETING. PRESSURE TEST PUMPS AND LINES TO 4500 PSI. LOAD & BREAK FORMATION DOWN W/ WATER, SAW BREAK AT 1186 PSI. SPEARHEAD 1000 GAL OF 15% HCL ACID AT 5 BPM. FOLLOW ACID W/ 5000 GAL PAD OF 20# X-LINK 70Q FOAM AT 30 BPM (DH RATE). FRAC WELL W/ 94,5000 LBS OF 20/40 AZ SAND PUMPED IN 1, 2, 3 & 4 PPG STAGES (DH CONCENTRATIONS). PUMPED SAND IN 20# X-LINK 70Q FOAM. ATP: 1154 PSI, MTP: 1639 PSI. AIR: 33.3 BPM (DH RATE), MIR: 37.7 BPM (DH RATE). JOB COMPLETE AT 11:20 HRS 11/3/2010. ISDP: 1029 PSI. TOTAL FLUID TO RECOVER: 356 BBLS. SWI. RD BJ SERVICES. RU FLOWBACK LINES. START FLOWBACK THRU 1/4" CHOKE AT 13:00 HRS. INITIAL PRESSURE WAS 810 PSI. WELL UNLOADING BROKEN GEL & N2 TO FLOWBACK TANK. TURN OVER TO FLOWBACK/NIGHT WATCH.</p> <p>FLOWBACK:</p> <p>13:00 - 22:00 HRS: PRESSURE DOWN TO 400 PSI, UNLOADING BROKEN GEL AT A RATE OF 8 BOWPH.</p> <p>22:00 - 02:00 (11/4/2010): PRESSURE SLOWLY DOWN TO 0 PSI (JUST A VENT). RECOVERED A TOTAL OF 84 BBLS OF FLUID SINCE STARTING FLOW BACK.</p> <p>02:00 - 06:00: WELL VENTING BUT NOT UNLOADING ANY FLUID. SWI AT 06:00 HRS 11/4/2020. STILL HAVE 272 BBLS OF LOAD TO RECOVER.</p> <p>OFF REPORT UNTIL CLEAN OUT OPERATIONS START (WAITING ON RIG)</p>										
Date :	11/9/2010	Days:	33		DC :	\$3,207	CCC:	\$95,813	CWC:	\$95,813
Activity:	MOL & RU, START PU TUBING			Rig Name:	MESA #201					
Daily Report Summary :										
Daily Report Detail:										
ROAD RIG TO LOCATION FROM CORNELL #2R. MOL & RU. SPOT TUBING TRAILER. MOVE IN AND RIG UP AIR PACKAGE. FOUND WELL W/ 40 PSI. OPEN TO FLOWBACK TANK & BLEED OFF PRESSURE. ND FRAC VALVE & NU BOP. PU 3-7/8" BIT, BIT SUB & TIH ON 2-3/8" TUBING (TALLY & DRIFT TUBING WHILE PU OFF TRAILER). RUNNING OUT OF DAYLIGHT. SWI, SECURE LOCATION & SDON. WILL CONTINUE TIH & START CLEANING OUT IN MORNING.										
Date :	11/10/2010	Days:	34		DC :	\$4,340	CCC:	\$100,153	CWC:	\$100,153
Activity:	Clean Out W/ AIR-MIST			Rig Name:	MESA #201					
Daily Report Summary :										
Daily Report Detail:										
<p>FOUND WELL W/ 25 PSI. BLEED OFF PRESSURE & CONTINUE PU 2-3/8" TUBING OFF TRAILER & TIH. TAG UP ON SAND/FILL AT 1283' KB. BREAK CIRCULATION W/ ~ 1200 SCFM OF AIR W/ 10 BWPH MIST (W/ 1 GAL OF SOAP & 1 GAL OF CORROSION INHIBITOR ADDED AT 1 GPH). PRESSURE INCREASED TO 500 PSI BEFORE WELL UNLOADED, THEN DROPPED DOWN TO 400 PSI. CLEANED OUT DOWN TO PBTD AT 1550' KB. WELL MADE LIGHT TO MODERATE SAND WHILE CLEANING OUT. MOST SAND CAME IN AFTER PERFORATED INTERVAL WAS COMPLETELY OPEN. ONCE AT 1550' KB, PUMPED 3 BBL SOAP SWEEPS EVERY 45 MIN FOR 3.5 HRS. WELL MAKING LIGHT SAND (1 CUP). AT 16:30 HRS CUT MIST & DRY UP HOLE. PULL UP TO STRING FLOAT AT 1227' KB. SWI, SECURE LOCATION & SDON.</p>										

Well Name : RICHARDSON 5E FC									
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API #:	3004526152	Field:	FRUITLAND COAL		This AFE Cost:	\$116,868			
Work Type:	Pay-Add	County, St.:	SAN JUAN, NM		Tot Assoc AFE's:	\$116,868			
Operator:	gen Resources Corpor	Supervisor:	JOHN THOMPSON		Phone:	505.320.1748			
Production Current/Expected	Oil:	0 / 0	Gas:	0 / 0	Water:	0 / 0			
Job Purpose : PERFORATE & FRAC THE FRUITLAND COAL FORMATION.									
Date :	11/11/2010	Days:	35	DC :	\$6,445	CCC:	\$106,598	CWC:	\$106,598
Activity:	Clean Out W/ AIR-MIST			Rig Name:	MESA #201				
Daily Report Summary :									
Daily Report Detail:									
<p>SICP = 40PSI UPON ARRIVAL.</p> <p>BLOW DOWN CASING TO FLOW BACK TANK. TIH w/ TUBING TO TAG FOR FILL. TAGGED FILL 40' HIGHER THAN YESTERDAY. PICK UP HOLE 1 STAND. STARTED AIR/ FOAM UNIT TO BREAK CIRCULATION. RECOVERED HEAVY FLUID w/ FOAM & TRACES OF SAND (EST. 12.0BBLs). CONTINUED TO CIRCULATE & WORKED TUBING TO CLEAN OUT THE 40'. CIRCULATED 45 MINUTES AT PBTD. TOO H w/ TUBING TO 1227'KB. LEFT CASING VENTING TO FLOW BACK TANK & HESITATE FOR 1.5HOURS. TIH w/ TUBING TO CHECK FOR FILL. TAGGED FILL 15' HIGHER. STARTED AIR/ FOAM UNIT & CLEAN OUT THE 15'. CIRCULATE FOR 45 MINUTES. SHUT DOWN AIR UNIT. TOO H TO 1227'KB. VENT AS BEFORE & HESITATE FOR 1.5HOURS. TIH TO CHECK FOR FILL. TAGGED FILL 17' HIGHER. TOO H TO 1227'KB. VENT AS BEFORE & HESITATE FOR AN ADDITIONAL 1 HOUR. TIH TO TAG FOR FILL. TAGGED AN ADDITIONAL 6', TOTAL FILL OF 23' AT THIS TIME. STARTED AIR/ FOAM UNIT & CLEAN OUT THE 23'. CIRCULATED FOR 1 HOUR. SHUT DOWN FOR AIR UNIT. CIRCULATED & CLEANED OUT A TOTAL OF 78' OF FILL. TOO H TO 1227'KB. INSTALLED A 1/4" CHOKE IN FLOW BACK LINE & LET THE WELL VENT TO FLOW BACK TANK OVER NIGHT. SECURED WELL HEAD & LOCATION. SDON. WILL TIH TO TAG FOR FILL & CLEAN OUT IF NECESSARY.</p>									
Date :	11/12/2010	Days:	36	DC :	\$10,270	CCC:	\$116,868	CWC:	\$116,868
Activity:	TIH w/ Tubing, Rods & Pump			Rig Name:	MESA #201				
Daily Report Summary :									
Daily Report Detail:									
<p>FCP = 0PSI. SITP = 0PSI.</p> <p>TUBING & CASING DEAD UPON ARRIVAL. PICK UP & TIH w/ TUBING TO TAG FOR FILL. TAGGED FILL 24' HIGHER THAN YESTERDAY. NOTIFIED OFFICE. CLEAN OUT THE 24' & PREPARE TO RELAND. TOO H & LAY DOWN ANY EXTRA TUBING. TIH w/ 1EA - MUD ANCHOR, 1EA - 8' PERFORATED TUBING SUB, 1EA - SEATING NIPPLE, & 42EA - 2-3/8" TUBING, 1EA - 12' TUBING SUB, & 2EA - 2-3/8" TUBING. PICK UP & INSTALL THE TUBING DONUT. TUBING LANDED @ 1432.97'KB. SEATING NIPPLE LANDED @ 1402.87'KB. TOP OF FILL @ 1550.00'KB. PBTD @ 1550.00'KB. NIPPLE DOWN THE BOP. NIPPLE UP THE WELL HEAD. TIH w/ 1EA - 2" X 1-1/4" X 6' X 8' X 11' RHAC PUMP w/ 3' 25 SLOT SAND SCREEN, 4EA - 1-1/4" SINKER BARS, 50EA - 3/4" PLAIN RODS, 1EA - 8'; 1EA - 2' PONY ROD SUBS, & 1EA - POLISH ROD w/ LINER. RIG UP H&M PUMP TRUCK TO LOAD TUBING. LONG STROKED THE PUMP TO TEST THE TUBING & THE PUMP TO 650PSI. HELD FOR 10 MINUTES. TESTED GOOD. PICK UP & INSTALL THE HORSES HEAD. TRIED TO HANG RODS OFF BUT BRIDAL FOR HORSES HEAD WAS TO LONG. NOTIFIED OFFICE. CALLED WEATHERFORD TO COME GET BRIDAL AND REPAIR FOR CORRECT LENGTH. BRIDAL ALL REPAIRED LATE EVENING. SDON. WILL CHECK FOR TAG AND PUMP ACTION IN THE MORNING & RIG DOWN MESA WELL SERVICE - RIG #201 & MOVE TO THE ANGEL PEAK B #25 FOR REPAIR. FINAL REPORT.</p>									