District I.
1625 N. French Dr., Hobbs, NM 88240
District II.
1301 W. Grand Avenue, Artesia, NM 88210
District III.
1000 Rio Brazos Road, Aztec, NM 87410
District IV.
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.

For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office

Pit, Closed-Loop System, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

Type of action: Permit of a pit, closed-loop system, below-grade tank, or proposed a closure of a pit, closed-loop system, below-grade tank, or proposed Modification to an existing permit Closure plan only submitted for an existing permitted or non-permit below-grade tank, or proposed alternative method	alternative method
Instructions Please submit one application (Form C-144) per individual pit, closed-loop system, below-gi	rade tank or alternative request
Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of sure environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authorized to the operator of its responsibility to comply with any other applicable governmental authorized to the operator of its responsibility to comply with any other applicable governmental authorized to the operator of its responsibility to comply with any other applicable governmental authorized to the operator of its responsibility to comply with any other applicable governmental authorized to the operator of its responsibility to comply with any other applicable governmental authorized to the operator of its responsibility to comply with any other applicable governmental authorized to the operator of its responsibility to comply with any other applicable governmental authorized to the operator of its responsibility to comply with any other applicable governmental authorized to the operator of its responsibility to comply with any other applicable governmental authorized to the operator of its responsibility to comply with any other applicable governmental authorized to the operator of its responsibility to comply with a positive comply and the operator of its responsibility to comply with a positive comply and the operator of its responsibility.	
Operator: Energen Resources Corporation OGRID#: 16292	8
Address. 2010 Afton Place, Farmington, NM 87401	
Facility or well name:	
API Number: 30-039-31036 OCD Permit Number	
U/L or Qtr/Qtr I Section 06 Township 26N Range 05W Count	y: Rio Arriba
Center of Proposed Design: Latitude 36.51633 N Longitude 107.39392 W	NAD: □1927 🗵 1983
Surface Owner: Federal State Private Tribal Trust or Indian Allotment	
Closed-loop System: Subsection H of 19.15.17.11 NMAC Type of Operation: P&A Drilling a new well Workover or Drilling (Applies to activities which requirintent) Drying Pad Above Ground Steel Tanks Haul-off Bins Other Lined Unlined Liner type: Thickness mil LLDPE HDPE PVC Other Liner Seams: Welded Factory Other	_
Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume: bbl Type of fluid: Tank Construction material: Secondary containment with leak detection	
5 Alternative Method: Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Burea	au office for consideration of approval.

Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks) ☐ Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, schrinstitution or church) ☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet ☐ Alternate. Please specify	ool, hospital,
7 Netting Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)	
Screen Netting Other Monthly inspections (If netting or screening is not physically feasible)	
8	
Signs: Subsection C of 19.15.17.11 NMAC	
☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers ☐ Signed in compliance with 19.15.3.103 NMAC	
9	
Administrative Approvals and Exceptions: Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.	
Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bu consideration of approval.	reau office for
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	
Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of a material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the ap office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to deabove-grade tanks associated with a closed-loop system.	opropriate district of approval.
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	Yes No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to temporary, emergency, or cavitation pits and below-grade tanks) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	Yes No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to permanent pits) - Visual inspection (certification) of the proposed site; Aerial photo, Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	Yes No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	Yes No
Within an unstable area - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	Yes No
Within a 100-year floodplain FEMA map	Yes No

Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached. Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.
Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9 Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17 9 NMAC and 19.15.17.13 NMAC
☐ Previously Approved Design (attach copy of design) API Number:
Previously Approved Operating and Maintenance Plan API Number:
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached. Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Climatological Factors Assessment Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC Liner Specifications and Compatibility Assessment - based upon Quality Control/Quality Assurance Construction and Installation Plan the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Nuisance or Hazardous Odors, including H2S, Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control Plan Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15 17.13 NMAC
Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan. Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Closed-loop System Alternative Proposed Closure Method: Waste Excavation and Removal Waste Removal (Closed-loop systems only) On-site Closure Method (Only for temporary pits and closed-loop systems) In-place Burial On-site Trench Burial Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached. Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

Waste Removal Closure For Closed-loop Systems That Utilize Above Gro Instructions: Please indentify the facility or facilities for the disposal of liquid	nund Steel Tanks or Haul-off Bins Only: (19.15.17.13.I ds, drilling fluids and drill cuttings Use attachment if mod	O NMAC) re than two				
facilities are required Disposal Facility Name:	Disposal Facility Permit Number:					
Disposal Facility Name:	Disposal Facility Name: Disposal Facility Permit Number:					
Will any of the proposed closed-loop system operations and associated activity	ies occur on or in areas that will not be used for future ser	vice and				
operations? Yes (If yes, please provide the information below) No						
Required for impacted areas which will not be used for future service and ope Soil Backfill and Cover Design Specifications based upon the appropriate requirements of Subs Site Reclamation Plan - based upon the appropriate requirements of Subs	opriate requirements of Subsection H of 19.15.17.13 NMz ection I of 19.15.17.13 NMAC	AC				
Siting Criteria (regarding on-site closure methods only: 19.15.17.10 NMA Instructions: Each siting criteria requires a demonstration of compliance in provided below. Requests regarding changes to certain siting criteria may r. be considered an exception which must be submitted to the Santa Fe Enviro and/or demonstrations of equivalency are required. Please refer to 19.15.17	n the closure plan. Recommendations of acceptable sou equire administrative approval from the appropriate dist nmental Bureau office for consideration of approval. J	rict office or may				
Ground water is less than 50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS	S; Data obtained from nearby wells	☐ Yes 🛣 No ☐ NA				
Ground water is between 50 and 100 feet below the bottom of the buried wast - NM Office of the State Engineer - iWATERS database search; USGS		Yes No				
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS	S; Data obtained from nearby wells	Yes No				
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed s		Yes 🔀 No				
Within 300 feet from a permanent residence, school, hospital, institution, or cl - Visual inspection (certification) of the proposed site; Aerial photo; S		☐ Yes ☒ No				
Within 500 horizontal feet of a private, domestic fresh water well or spring the watering purposes, or within 1000 horizontal feet of any other fresh water well - NM Office of the State Engineer - iWATERS database; Visual inspe	l or spring, in existence at the time of initial application.	Yes X No				
Within incorporated municipal boundaries or within a defined municipal fresh adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written a		Yes X No				
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map;	Visual inspection (certification) of the proposed site	☐ Yes 🗷 No				
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-N	Mining and Mineral Division	☐ Yes 🗷 No				
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of G Society; Topographic map	eeology & Mineral Resources; USGS, NM Geological	Yes 🗷 No				
Within a 100-year floodplain. - FEMA map		☐ Yes 🗷 No				
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each by a check mark in the box, that the documents are attached	of the following items must be attached to the closure pla	n. Please indicate,				
Siting Criteria Compliance Demonstrations - based upon the appropriate repuirements Proof of Surface Owner Notice - based upon the appropriate requirements Construction/Design Plan of Burial Trench (if applicable) based upon the Construction/Design Plan of Temporary Pit (for in-place burial of a drying Protocols and Procedures - based upon the appropriate requirements of 19 Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements Disposal Facility Name and Permit Number (for liquids, drilling fluids and Soil Cover Design - based upon the appropriate requirements of Subsection Re-vegetation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate Pla	of Subsection F of 19.15.17.13 NMAC appropriate requirements of 19.15 17 11 NMAC g pad) - based upon the appropriate requirements of 19.15 1.15.17.13 NMAC requirements of Subsection F of 19.15.17.13 NMAC of Subsection F of 19.15.17.13 NMAC d drill cuttings or in case on-site closure standards cannot on H of 19.15.17.13 NMAC on I of 19.15.17.13 NMAC					

Operator Application Certification: I hereby certify that the information submitted with this application is true, accurate and	d complete to the best of my knowledge and belief.
Name (Print):	Title:
Signature:	Date:
e-mail address:	Telephone:
20	
OCD Approval: Permit Application (including closure plan)	
OCD Representative Signature:	Approval Date: 12/19/2011
Title: Compliance Office OCDI	ermit Number:
Closure Report (required within 60 days of closure completion): Subsection K of I Instructions: Operators are required to obtain an approved closure plan prior to impreport. The closure report is required to be submitted to the division within 60 days of complete this section of the form until an approved closure plan has been obtained an	lementing any closure activities and submitting the closure I the completion of the closure activities. Please do not Ind the closure activities have been completed.
العا	Closure Completion Date: 11/19/11
Closure Method: Waste Excavation and Removal On-Site Closure Method Alternative Closure If different from approved plan, please explain.	ure Method Waste Removal (Closed-loop systems only)
Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Instructions: Please indentify the facility or facilities for where the liquids, drilling flethan two facilities were utilized. Disposal Facility Name:	uids and drill cuttings were disposed. Use attachment if more
Disposal Facility Name: Disposa	l Facility Permit Number:
Were the closed-loop system operations and associated activities performed on or in are Yes (If yes, please demonstrate compliance to the items below) No	as that will not be used for future service and operations?
Required for impacted areas which will not be used for future service and operations: Site Reclamation (Photo Documentation) Boil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique	
24	
Closure Report Attachment Checklist: Instructions: Each of the following items mulmark in the box, that the documents are attached. Proof of Closure Notice (surface owner and division) Proof of Deed Notice (required for on-site closure) Plot Plan (for on-site closures and temporary pits) Confirmation Sampling Analytical Results (if applicable) Waste Material Sampling Analytical Results (required for on-site closure) Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation) On-site Closure Location: Latitude 36.30970 Longitude	the attached to the closure report. Please indicate, by a check -107.23633 NAD: □ 1927 ■ 1983
25	
Operator Closure Certification: I hereby certify that the information and attachments submitted with this closure report belief. I also certify that the closure complies with all applicable closure requirements:	is true, accurate and complete to the best of my knowledge and and conditions specified in the approved closure plan.
Name (Print): Anna Stotts	Title: Regulatory Analyst
Signature:Stoff	Date: 12/5/11
a mail address. astotts//energen com	Telephone 505-324-4154

Well Name: Jicarilla West #8M

Reserve Pit - Final Closure Report

The pit will be closed with in place burial. If the pit is located on private surface, the surface owner will be notified prior to closure by certified mail and the return receipt will be included in the closure packet. The OCD will be verbally or by other means notified at least 72 hours and not more then one week prior to the pit closing. The following process will be used to close the pit:

Notification to the OCD is included in this closure report package. Surface owner notification not required.

1) At time of closure, all free standing fluids will be removed and reused or disposed with Agua Moss LLC in the Pretty Lady #1 (Disposal API Number # 30-048-30922) or an Energen operated permitted disposal well. The contents will be solidified to a bearing capacity sufficient to support the final cover. This will be accomplished by mixing the contents with soil at a mixing ratio no greater then 3:1 soil to contents.

Fluids were removed and properly disposed in the Aqua Miss Pretty Lady #1. The pit contents were solidified by mixing the contents with soil at a mixing ratio of approximately 3:1.

2) The liner will be cut off at the mud line of the stabilized contents.

The liner was cut off at the mud line of the stabilized contents.

3) Sampling will be done by collecting a minimum of a five-point composite sample of the contents after stabilization. The sample will be analyzed for the following components (if the groundwater is less than 100 feet below the pit but greater than 50 feet, testing for chlorides will be done to the lower limit);

Components	Tests Method	Limit (mg/Kg)	Results (mg/Kg)
Benzene	EPA SW-846 8021B or 8260B	0.2	.0016
BTEX	EPA SW-846 8021B or 8260B	50	.882
TPH	EPA SW-846 418.1	2500	335
GRO/DRO	EPA SW-846 8015M	500	21.2
Chlorides	EPA 300.1	500 /1000	230

Sampling results are listed in the above table.

4) After demonstrating that the stabilized contents are under the limits listed above, the contents will be covered with compacted non-waste containing earthen material to a minimum of three feet. If stabilized contents exceed a volume that can be covered with three feet of earth and a foot of topsoil the excess contents will be removed and sent to Envirotech (Permit NM-01-0011) or IEI Landfarm (Permit NM-01-0010B). If the stabilized contents do no meet the above stated limits the stabilized contents will all be hauled to Envirotech pursuant to excavation and removal guidelines (19.15.17.13 B1).

The contents were covered with three feet of compacted non-waste containing material.

5) After the stabilized contents have been covered, the stockpiled topsoil will be replaced to a minimum depth of one foot. Topsoil cover will be graded to prevent ponding of water and erosion of the cover material. This will be accomplished within six months of rig release.

The stockpiled topsoil was replaced to a depth of one foot and graded to prevent ponding and erosion.

6) The exact location of the on-site burial will be reported to the Aztec field office on the C-105 form. A deed notice identifying the exact location of the on-site burial will be filed with the county clerk if the pit is on private surface.

The C-105 form is attached. This pit is located on public surface. Proof of Deed notice not required unless pit is located on private surface (per NMOCD FAQ dated 10/30/09).

7) The final closure report (C-144) will be filed within 60 days of closure completion and include sampling results, plot plan, details on backfilling, covering and inspections during the life of the pit.

This closure report includes sampling results, plot plan, closure details, inspections, and photos.

8) If the pit is located on federal or tribal surface, seeding will be deferred to BLM requirements per the BLM / OCD MOU. Otherwise, the disturbed area will be seeded or planted the first growing season after closing the pit. Seed will be drilled on the contour whenever practical or by other division-approved methods. The goal is to obtain vegetative cover that equals 70% of the native cover (un-impacted by overgrazing, fire or other intrusion damaging to native vegetation) consisting of at least three native plant species,

including at least one grass but not including noxious weeds. Cover will be maintained through two successive growing seasons. During the two growing seasons that prove viability there shall be no artificial irrigation of the vegetation. Seeding or planting will continue until the required cover is reached. If conditions are not favorable to establishment of vegetation due to periods of drought or similar problems then the Aztec office of the OCD will be notified. The Aztec office of the OCD will also be notified when the disturbed ground successfully achieves re-vegetation.

The pit is located on Federal or Tribal surface, seeding is deferred to BLM requirements per the BLM / OCD MOU.

9) Until the abandonment of the wells on the pad where the pit is located, a steel marker no less then four inches in diameter will be cemented in a hole three feet deep in the center of the onsite burial. The top of this marker will be flush with the ground. Once all wells on the pad are abandoned, a four foot tall riser will be welded on top of the marker with; operator name, lease number, well name and number, unit number, section, township and range, and a designation that it is an onsite burial location.

The marker was installed in the center of the closed pit. The marker is set flush to the ground until final abandonment. At the time of abandonment, a four foot riser will be installed and marked as follows: Energen Resources – Lease # Jicarilla Apache 152 – Jicarilla West #8M – Unit I – Sec. 06, T26N,R05W – Pit Burial Site.

Submit to Appropriate District Office Five Copies District 1 1625 N French Dr., Hobbs, NM 88240 State of New Mexico Energy, Minerals and Natural Resources					es	Form C-105 July 17, 2008 1. WELL API NO.								
District II. 1301 W. Grand Avenue, Artesia, NM 88210 District III. 1000 Rio Brazos Rd , Aztec, NM 87410 District IV. 1220 S St Francis Dr , Santa Fe, NM 87505				OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505				L	1. WELL API NO. 30-039-31036 2. Type Of Lease ☐ STATE ☐ FEE ☒ FED/INDIAN 3. State Oil & Gas Lease No.					
WELL CO	OMPLET	TION OR R	ECO	MPLETION	REPOR	TAND	LOG			and the second section is a second				
4. Reason for filing	g									5 Lease N	ame or l	Unit Agi	reement Na	ıme
☐ COMPLET	TION REP	ORT (Fill in b	oxes #1	through #31 fo	r State and F	ee wells	only)		_	Jicarilla West				
#33, attach this and	the plat to	TACHMENT the C-144 clo	(Fill ir sure rep	boxes #1 throu port in accordan	gh #9, #15 E ce with 19.1	Date Rig R 5 17 13 K	teleased a NMAC)	nd #32 :	and/or	6 Well Nu #8M				
9. Type of Comple		WORKOVER	П	DEEPENING [ACK [DIEFE	FNTR	ESERVO	ur X	THER	nit	closur	YC
8 Name of Operat		WORKOVER		DELI ENING E	_ TEOGD?	ick	DITTE	CLIVI IC	COLICY	9. OGRIC			. CIOBUI	
Energen Re	sources	Corporati	ion							162	928			
10. Address of Op										11. Pool				
2010 Afton		Farming	ton,	NM 87401	Dongs			le 6			MV/	_	E/W Line	County
12 Location L	Jnit Letter	Section		Township	Range	Lo		reet II	rom the	N/S Line	reet ii	om the	E/W Line	County
ВН.								 						
13 Date Spudded	14. D	Date T.D. Reach	ned	15 Date Rig 10/11/		!	16 D	ate Con	npleted (F	Ready to Pro	duce)		Elevations GR, etc)	(DF & RKB,
18. Total Measure	d Depth of	Well		19 Plug Bac		Depth	20 W	as Dire	ectional Si	urvey Made	21	Type l	Electric and	Other Logs Run
22 Producing Inte	erval(s), of	this completion												
23.	· -	WEIGHTID		CASING R			<u>rt all st</u> LE SIZE	rings		vell) EMENTING	PECC)BD	1 4 8 4 4	OUNT PULLED
CASING SIZ	LE	WEIGHT LB	/F I .	DEPTE	SEI	пО	LE SIZE			EMENTIN	J KECC	CLN	Aivi	JONT FOLLED
								-					-	
							-							
							,							rest size de la lacilitation
24.	h.,	7-2-2	LIN	NER RECOR	D				25.	T	UBIN	G REC	ORD	
SIZE	TOP		BOT	SOTTOM SACKS CEMENT		SCI	CREEN SIZE		E	DEPTH SET		PACKER SET		
			ļ			-								
26 2 6			<u> </u>				27 40	ID (II)	TOT ED	A COTT ID F	OE) (E	NIT CO	DEEGE D	то
26. Perforation re	ecord (inter	val, size, and n	umber)			DEPTH			ACTURE,			MATERI.	
28.		<u> </u>		.1 1 472		ODUC					1 -	V-11 C:	4 (D	Cl
Date First Producti	ion	Produc	tion M	ethod <i>(Flowing</i>	, gas tift, pui	mping - S	ize ana ty _l	ре ритр	יו		`	wen Sta	tus (Prod. o	or Shut-inj
Date of Test	Н	ours Tested		Choke Size	Prod'n Fo		Oil - Bbl.		Gas - M	CF V	Vater - E	Bbl.	Gas - 0	Oil Ratio
Flow Tubing Press Calculated 24- Hour Rate		Oil - Bbl.		Gas - N	ИСF	Wat	ater - Bbl.		Oil Gravity - API -(Corr)		Corr)			
29 Disposition of Gas (Sold, used for fuel, vented, etc.) 30 Test Witnessed By														
31. List Attachments														
32 If a temporary pit was used at the well, attach a plat with the location of the temporary pit.														
	33. If an on-site burial was used at the well, report the exact location of the on-site burial: Latitude 36.30970 Longitude -107.23633 NAD: 1927 X 1983													
I hereby certify Signature E-mail address	Name Alla Sucts Title Requiably Maryst Date 12/3/11													

DISTRICT | 1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised July 10, 2010

DISTRICT II 1301 W. Grand Avenue, Artesia, N.M. 88210 Submit one copy to appropriate District Office

DISTRICT III 1000 Rio Brazos Rd., Aztec, N.M. 87410 OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

☐ AMENDED REPORT

DISTRICT IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

W	للظ	LOCATION	ANU	ACREAGE	DEDIC	ATION	PLAT	
	30.	Pool Code	0	21000	Mag.	Pool Na	me/R	

'API Number	Pool Code	Pool Name	
30.039.31	1036 72319/71599	Blanco Mesaverse /6	basin Dakota
Property Code	*p	roperty Name	• Well Humber
121958	JIC	8M	
OGRID No.	•0	* Elevation	
162928	ENERGEN RESO	6578'	
	10 a		

Surface Location UL or lot no. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County 26N 5W 2619" SOUTH 721 6 **EAST** RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface UL or lot no. Township Range Lot Idn Feet from the North/South line Feet from the East/West line County Dedicated Acres 13 Joint or Infill ¹⁴ Consolidation Code "Order No. 319.66 319.60 acres F/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

	OR A	NON-STAND	ARD UNIT HAS I	BEEN APPROVED	BY T	HE DIVISION
^	T 27 N	BASIS OF N 89'51'42" W	BEARINGS 5440.73' (M)		1	OPERATOR CERTIFICATION
FND 3-1/4" BC BUM 1955	T 26 N	N 89'54' W	5446.98' (R)	FNO 3-1/4" 80 BUM 1957	i a	hereby certify that the information contained herein is true and complete to the best of my knowledge and brief, and that this organization eather owns a working interest or unleased mineral interest in the land including the
3 5 5 6 6 4	.	3	2	1	0	proposed belom hair location or has a right to drill this well at this location pursuant to a contract with an own of such a mineral or working interest, or to a voluntary voluntary pooling pureyound or a compulsory poeting orderer for every first entired by the division.
		- 	**************************************		\ \\{	Signature Sala
5				WELL FLAG LAT. 36.51633' N LONG. 107.39392' W DATUM (NAD 1983)	2.07' (R&M)	Printed Name asoto an ergen.co
		 6	5	721' =	P	18 SURVEYOR CERTIFICATION hereby certify that the well location shown on this hat was plotted from field notes of actual surveys ma by me or under my supervision, and that the same is
6	1		84			NOVEMBER 3010 Date of Surgray O N. 100556
	_	· }		7 790	- - -	Signature (us) Sign of the specified Survivor:
7						OF AROFESSIONAL IN
CALC		WEST	5440.73° (M)			DAVID RUSSELL
		WEST	5278.02' (R)		CALC	Certificate Number 10201

ENERGEN RESOURCES CORPORATION JICARILLA WEST #8M 2619' FSL & 721' FEL LOCATED IN THE NE/4 SE/4 OF SECTION 6. T26N, R5W, N.M.P.M., RIO ARRIBA COUNTY, NEW MEXICO **GROUND ELEVATION: 6578', NAVD 88** FINISHED PAD ELEVATION: 6580.0', NAVD 88 В 50" 50' VERT. SCALE: 1" = 30' HORZ. SCALE: 1" = 50' **Russell Surveying** 1409 W. Aztec Blvd. #2 JOB No.: ERG299_REV1 Aztec, New Mexico 87410 DATE: 11/14/10 (605) 334-8637

WELL FLAG

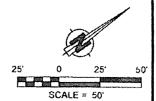
LATITUDE: 36.51633° N LONGITUDE: 107.39392° W DATUM NAD 83 CENTER OF PIT

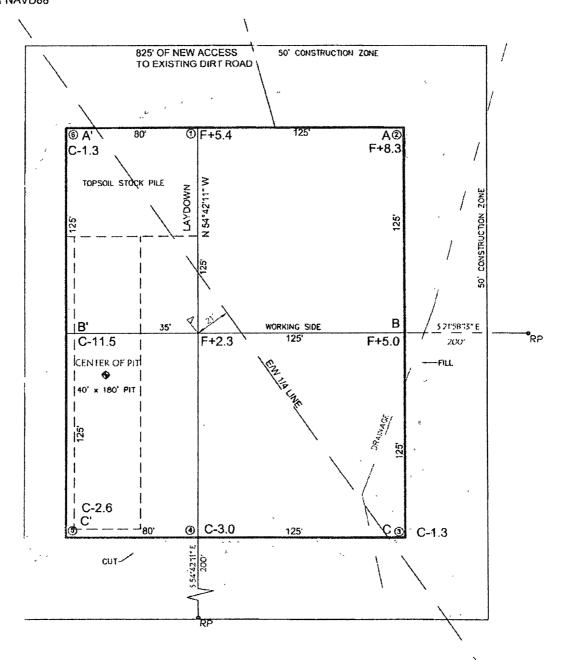
LATITUDE: 36.51614° N

LONGITUDE: 107.39378° W ELEVATION: 6568 0' NAD83 & NAVD88

ENERGEN RESOURCES CORPORATION

JICARILLA WEST #8M
2619' FSL & 721' FEL
LOCATED IN THE NE/4 SE/4 OF SECTION 6,
T26N, R5W, N.M.P.M.,
RIO ARRIBA COUNTY, NEW MEXICO
GROUND ELEVATION: 6578', NAVD 88
FINISHED PAD ELEVATION: 6580.0', NAVD 88





1 FOOT CONTOUR INTERVAL SHOWN

SCALE: 1" = 50' JOB No.: ERG299_REV1 DATE: 11/14/10 DRAWN BY: GRR



Russell Surveying 1409 W. Aztec Blvd. #2 Aztec, New Mexico 87410 (505) 334-8637

Anna Stotts

From:

bbvac [bbvac@windstream.net] Monday, November 07, 2011 2:54 PM Sent:

Eugene Burbank To:

Brandon.Powell@state.nm.us; mkelly@nm.blm.gov; rmckee@nm.blm.gov; dixonsandoval@jicarillaoga.com; Robert Schmidt; Anna Cc:

Stotts; Kellie Campbell; Doug Thomas; Ed Hasely

Pit Closure notice Subject:

Notice that on 11/11/2011 B&B Vac will begin closing the reserve pit on the Jicarilla West, #8M. Please let me know if there are any concerns.

Thank you, Robert Bridge **B&B Vac Services** 575-289-4048



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Energen	Project #:	03022-0168
Sample ID,	Jicarilla West #8M	Date Reported:	10-27-11
Laboratory Number:	60093	Date Sampled:	10-25-11
Chain of Custody:	12823	Date Received:	10-25-11
Sample Matrix:	Soil	Date Analyzed:	10-27-11
Preservative:	Cool	Date Extracted:	10-26-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

	Dilution:	10
Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	1.6	0.9
Toluene	20.9	1.0
Ethylbenzene	2.3	1.0
p,m-Xylene	53.0	1.2
o-Xylene	10.4	0,9
Total RTEY	88.2	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	107 %
	1,4-difluorobenzene	103 %
	Bromochlorobenzene	102 %

References.

Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA,

December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846,

USEPA, December 1996.

Comments:

Jicarilla West #8M

Analyst

Review



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Energen	Project #:	03022-0168
Sample ID:	Jicailla West #8M	Date Reported:	10/26/11
Laboratory Number:	60093	Date Sampled:	10/25/11
Chain of Custody No:	12823	Date Received:	10/25/11
Sample Matrix:	Soil	Date Extracted:	10/26/11
Preservative:	Cool	Date Analyzed:	10/26/11
Condition:	Intact	Analysis Needed:	TPH-418.1

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons

335

7.0

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste, USEPA Storet No. 4551, 1978.

Comments:

Jicarilla West #8M

Review

Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Energen	Project #:	03022-0168
Sample ID:	Jicarilla West #8M	Date Reported:	10-28-11
Laboratory Number:	60093	Date Sampled:	10-25-11
Chain of Custody No:	12823	Date Received:	10-25-11
Sample Matrix:	Soil	Date Extracted:	10-26-11
Preservative:	Cool	Date Analyzed:	10-27-11
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	21.2	0.1
Total Petroleum Hydrocarbons	21.2	

ND - Parameter not detected at the stated detection limit.

References:

Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, December 1996.

Comments:

Jicarilla West #8M

Review



Chloride

Client: Project #: 03022-0168 Energen Sample ID: Jicarilla West #8M Date Reported: 10/26/11 Lab ID#: 60093 Date Sampled: 10/25/11 Date Received: 10/25/11 Sample Matrix: Soil Date Analyzed: 10/26/11 Preservative: Cool Condition: Chain of Custody: 12823 Intact

Parameter Concentration (mg/Kg)

Total Chloride 230

U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983. Reference:

Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Jicarilla West #8M Comments:

Review



Pit Inspection Log Sheet

(daily while rig is on-site, then weekly as long as liquids remain in the pit)

Name (Print): Kewin Hacket Signature: X-Hoult Date: 9-6-11 Note Any Deficiencies: Name (Print): Kewin Hacket Signature: X-Hoult Date: 9-8-11 Note Any Deficiencies: Name (Print): William Begay Signature: Signature: Date: 9-8-11 Note Any Deficiencies: Name (Print): William Begay Signature: Signature: Date: 9-9-11 Note Any Deficiencies: Name (Print): William Begay Signature: Date: 9-11-11 Note Any Deficiencies: Name (Print): William Begay Signature: Date: 9-11-11 Note Any Deficiencies: Name (Print): William Begay Signature: Date: 9-11-11 Note Any Deficiencies: Name (Print): William Begay Signature: Man Date: 9-11-11 Note Any Deficiencies: Name (Print): William Begay Signature: Man Date: 9-12-11 Note Any Deficiencies: Name (Print): Walliam Begay Signature: Man Date: 9-13-11 Note Any Deficiencies: Name (Print): Kewin Hackett Signature: Man Date: 9-14-11 Note Any Deficiencies: Name (Print): Kewin Hackett Signature: Man Date: 9-16-11 Note Any Deficiencies: Name (Print): Kewin Hackett Signature: Man Date: 9-16-11 Note Any Deficiencies: Name (Print): Kewin Hackett Signature: Man Date: 9-16-11 Note Any Deficiencies: Name (Print): Kewin Hackett Signature: Man Date: 9-16-11 Note Any Deficiencies: Name (Print): Kewin Hackett Signature: Man Date: 9-16-11 Note Any Deficiencies: Name (Print): Kewin Hackett Signature: Man Date: 9-20-11 Note Any Deficiencies: Name (Print): Kewin Hackett Signature: Man Date: 9-20-11 Note Any Deficiencies: Name (Print): Kewin Hackett Signature: Man Date: 9-20-11 Note Any Deficiencies: Name (Print): Kewin Hackett Signature: Man Date: 9-21-11 Note Any Deficiencies: Name (Print): Kewin Hackett Signature: Man Date: 9-21-11 Note Any Deficiencies: Name (Print): Kewin Hackett Signature: Man Date: 9-21-11 Note Any Deficiencies:		#8M API: 30-039-	31036
Name (Print): Kevin Hacket Signature: Kn. Havkett Date: 9-7-11 Note Any Deficiencies: Name (Print): William Begay Signature: Lilla By Date: 9-9-11 Note Any Deficiencies: Name (Print): William Begay Signature: Lilla By Date: 9-9-11 Note Any Deficiencies: Name (Print): William Begay Signature: Date: 9-10-11 Note Any Deficiencies: Name (Print): William Begay Signature: Lilla By Date: 9-11-11 Note Any Deficiencies: Name (Print): William Begay Signature: Lilla By Date: 9-11-11 Note Any Deficiencies: Name (Print): William Begay Signature: Lilla By Date: 9-12-11 Note Any Deficiencies: Name (Print): William Begay Signature: Lilla By Date: 9-12-11 Note Any Deficiencies: Name (Print): William Begay Signature: Lilla By Date: 9-13-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: K-Hackett Date: 9-16-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: K-Hackett Date: 9-16-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: K-Hackett Date: 9-16-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: K-Hackett Date: 9-16-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: K-Hackett Date: 9-16-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: K-Hackett Date: 9-20-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: K-Hackett Date: 9-20-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: K-Hackett Date: 9-20-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: K-Hackett Date: 9-21-11	Name (Print): Kewin Har Katt	Signature: 12-74-14	Date: 4-6-11
Note Any Deficiencies: Name (Print): William Begay Signature: Will By Date: 9-8-1/ Note Any Deficiencies: Name (Print): William Begay Signature: Will By Date: 9-9-1/ Note Any Deficiencies: Name (Print): William Begay Signature: Will By Date: 9-10-1/ Note Any Deficiencies: Name (Print): William Begay Signature: Will By Date: 9-1/-// Note Any Deficiencies: Name (Print): William Begay Signature: Will By Date: 9-1/-// Note Any Deficiencies: Name (Print): William Begay Signature: Will By Date: 9-1/-// Note Any Deficiencies: Name (Print): William Begay Signature: Will By Date: 9-1/-// Note Any Deficiencies: Name (Print): William Begay Signature: Will By Date: 9-1/-// Note Any Deficiencies: Name (Print): William Begay Signature: Will By Date: 9-1/-// Note Any Deficiencies: Name (Print): We win Hackett Signature: Will Date: 9-1/-// Note Any Deficiencies: Name (Print): We win Hackett Signature: Will Date: 9-1/-// Note Any Deficiencies: Name (Print): We win Hackett Signature: Will Date: 9-1/-// Note Any Deficiencies: Name (Print): We win Hackett Signature: Will Date: 9-1/-// Note Any Deficiencies: Name (Print): We win Hackett Signature: Will Date: 9-1/-// Note Any Deficiencies: Name (Print): Ke win Hackett Signature: Will Date: 9-1/-// Note Any Deficiencies: Name (Print): Ke win Hackett Signature: Will Date: 9-2/-// Note Any Deficiencies: Name (Print): Ke win Hackett Signature: Will Date: 9-2/-// Note Any Deficiencies:	Note Any Deficiencies:	4	
Name (Print): William Begay Signature: William Bay Date: 9-8-11 Note Any Deficiencies: Name (Print): William Begay Signature: William Bay Date: 9-9-11 Note Any Deficiencies: Name (Print): William Begay Signature: William Bay Date: 9-11-11 Note Any Deficiencies: Name (Print): William Begay Signature: William Date: 9-11-11 Note Any Deficiencies: Name (Print): William Begay Signature: William Bay Date: 9-11-11 Note Any Deficiencies: Name (Print): William Begay Signature: William Bay Date: 9-12-11 Note Any Deficiencies: Name (Print): William Begay Signature: William Bay Date: 9-14-11 Note Any Deficiencies: Name (Print): William Begay Signature: William Bay Date: 9-14-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: William Date: 9-16-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: William Date: 9-16-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: William Date: 9-16-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: William Date: 9-16-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: William Date: 9-20-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: William Date: 9-20-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: William Date: 9-20-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: William Date: 9-20-11 Note Any Deficiencies:	Name (Print): Kevin Hackett	Signature: Ki Herchell	Date: 9-7-11
Note Any Deficiencies: Name (Print): \(\lambda \) \\ \/ \\ \) and \(\text{Began} \) \(\text{Signature:} \) \(\text{Base} \) \(\text{Date:} \) \(\text{9-9-11} \) \(\text{Note Any Deficiencies:} \) \(\text{Name (Print):} \) \(\text{Millian Began Signature:} \) \(\text{Date:} \) \(\text{9-10-11} \) \(\text{Note Any Deficiencies:} \) \(\text{Name (Print):} \) \(\text{Millian Began Signature:} \) \(\text{Date:} \) \(\text{9-11-11} \) \(\text{Note Any Deficiencies:} \) \(\text{Name (Print):} \) \(\text{Millian Began Signature:} \) \(\text{Signature:} \) \(\text{Date:} \) \(\text{9-12-11} \) \(\text{Note Any Deficiencies:} \) \(\text{Name (Print):} \) \(\text{Millian Began Signature:} \) \(\text{Signature:} \) \(\text{Date:} \) \(\text{9-14-11} \) \(\text{Note Any Deficiencies:} \) \(\text{Note Any Deficiencies:} \) \(\text{Name (Print):} \) \(\text{Kevin Hacket} \) \(\text{Signature:} \) \(\text{Note Any Deficiencies:} \) \(\text{Name (Print):} \) \(\text{Kevin Hacket} \) \(\text{Signature:} \) \(\text{Note Any Deficiencies:} \) \(\text{Name (Print):} \) \(\text{Kevin Hacket} \) \(\text{Signature:} \) \(\text{Note Any Deficiencies:} \) \(\text{Name (Print):} \) \(\text{Kevin Hacket} \) \(\text{Signature:} \) \(\text{Note Any Deficiencies:} \) \(\text{Name (Print):} \) \(\text{Kevin Hacket} \) \(\text{Signature:} \) \(\text{Note Any Deficiencies:} \) \(\text{Name (Print):} \) \(\text{Kevin Hacket} \) \(\text{Signature:} \) \(\text{Note Any Deficiencies:} \) \(\text{Name (Print):} \) \(\text{Kevin Hacket} \) \(\text{Signature:} \) \(\text{Note Any Deficiencies:} \) \(\text{Name (Print):} \) \(\text{Kevin Hacket} \) \(\text{Signature:} \) \(\text{Note Any Deficiencies:} \) \(\text{Name (Print):} \) \(\text{Kevin Hacket} \) \(\text{Signature:} \) \(\text{Name (Print):} \) \(\text{Note Any Deficiencies:} \) \(\text{Name (Print):} \) \(\text{Note Any Deficiencies:} \) \(\text{Name (Print):} \) \(\text{Note Any Deficiencies:} \) \(\text{Name (Print):}	Note Any Deficiencies:	·	<u> </u>
Name (Print): William Begay Signature: Base 9-9-11 Note Any Deficiencies: Name (Print): William Begay Signature: Base 9-10-11 Note Any Deficiencies: Name (Print): William Begay Signature: Base 9-11-11 Note Any Deficiencies: Name (Print): William Begay Signature: Base Date: 9-11-11 Note Any Deficiencies: Name (Print): William Begay Signature: Base Date: 9-12-11 Note Any Deficiencies: Name (Print): William Begay Signature: Base Date: 9-12-11 Note Any Deficiencies: Name (Print): William Begay Signature: Base Date: 9-14-11 Note Any Deficiencies: Name (Print): Wee'n Hackett Signature: Base Date: 9-16-11 Note Any Deficiencies: Name (Print): Wee'n Hackett Signature: Base Date: 9-16-11 Note Any Deficiencies: Name (Print): Wee'n Hackett Signature: Base Date: 9-16-11 Note Any Deficiencies: Name (Print): Wee'n Hackett Signature: Base Date: 9-16-11 Note Any Deficiencies: Name (Print): Kee'n Hackett Signature: Base Date: 9-16-11 Note Any Deficiencies: Name (Print): Kee'n Hackett Signature: Base Date: 9-16-11 Note Any Deficiencies: Name (Print): Kee'n Hackett Signature: Base Date: 9-20-11 Note Any Deficiencies: Name (Print): Kee'n Hackett Signature: Base Date: 9-20-11 Note Any Deficiencies: Name (Print): Kee'n Hackett Signature: Base Date: 9-20-11 Note Any Deficiencies: Name (Print): Kee'n Hackett Signature: Base Date: 9-20-11 Note Any Deficiencies: Name (Print): Kee'n Hackett Signature: Base Date: 9-20-11 Note Any Deficiencies: Name (Print): Kee'n Hackett Signature: Base Date: 9-20-11	Name (Print): William Begay	Signature: William By	Date: 9-8-//
Note Any Deficiencies: Name (Print): William Begay Signature: Name (Print): William Begay Signature: Note Any Deficiencies: Name (Print): Kouin Hackett Signature: Note Any Deficiencies:	Note Any Deficiencies:		
Name (Print): William Begay Signature: Boate: 9-10-11 Note Any Deficiencies: Name (Print): William Begay Signature: Boate: 9-11-11 Note Any Deficiencies: Name (Print): William Begay Signature: Boate: 9-12-11 Note Any Deficiencies: Name (Print): William Begay Signature: Boate: 9-13-11 Note Any Deficiencies: Name (Print): William Begay Signature: Boate: 9-14-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: Boate: 9-14-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: Boate: 9-16-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: Boate: 9-16-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: Boate: 9-16-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: Boate: 9-16-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: Boate: 9-16-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: Boate: 9-16-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: Boate: 9-26-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: Boate: 9-26-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: Boate: 9-26-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: Boate: 9-26-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: Boate: 9-26-11	Name (Print): /s/i/lam Begay	Signature: // Cla By	Date: 9-9-//
Note Any Deficiencies: Name (Print): William Begay Signature: William	Note Any Deficiencies:		
Name (Print): William Began Signature: Signature: Date: 9-11-11 Note Any Deficiencies: Name (Print): William Began Signature: Signature: Date: 9-12-11 Note Any Deficiencies: Name (Print): William Began Signature: Signature: Date: 9-13-11 Note Any Deficiencies: Name (Print): William Began Signature: Signature: Date: 9-14-11 Note Any Deficiencies: Name (Print): Keuin Hackett Signature: Result Date: 9-16-11 Note Any Deficiencies: Name (Print): Keuin Hackett Signature: Result Date: 9-16-11 Note Any Deficiencies: Name (Print): Keuin Hackett Signature: Result Date: 9-16-11 Note Any Deficiencies: Name (Print): Keuin Hackett Signature: Result Date: 9-16-11 Note Any Deficiencies: Name (Print): Keuin Hackett Signature: Result Date: 9-16-11 Note Any Deficiencies: Name (Print): Keuin Hackett Signature: Result Date: 9-26-11 Note Any Deficiencies: Name (Print): Keuin Hackett Signature: Result Date: 9-26-11 Note Any Deficiencies: Name (Print): Keuin Hackett Signature: Result Date: 9-26-11 Note Any Deficiencies:	Name (Print): William Begay	Signature:	Date: 9-10-11
Note Any Deficiencies: Name (Print): William Began Signature: William Body Si	المنظمة التناسب والمراج والمراج والمناسب والمناسب والمناسب والمناسب والمناسب والمناسب والمناسب والمناسب		
Note Any Deficiencies: Name (Print): William Began Signature: William Body Si	Name (Print): William Begay	Signature:	Date: 9-1/-//
Note Any Deficiencies: Name (Print): Note Any Deficiencies:			
Note Any Deficiencies: Name (Print): Note Any Deficiencies:	Name (Print): William Begay	Signature: William Box	Date: 9-12-11
Note Any Deficiencies: Name (Print): Milliam Begay Signature: Black Barrow Date: 9-14-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: Redult Date: 9-16-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: Redult Date: 9-16-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: Redult Date: 9-18-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: Redult Date: 9-18-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: Redult Date: 9-20-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: Redult Date: 9-20-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: Redult Date: 9-20-11 Note Any Deficiencies:			
Name (Print): William Begay Signature: Begay Date: 9-14-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: Resolution Date: 9-16-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: Resolution Date: 9-16-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: Resolution Date: 9-19-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: Resolution Date: 9-16-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: Resolution Date: 9-16-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: Resolution Date: 9-20-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: Resolution Date: 9-20-11 Note Any Deficiencies: Name (Print): Kevin Hackett Signature: Resolution Date: 9-20-11	Name (Print): William Begay	Signature: B	Date: 9-/3-//
Note Any Deficiencies: Name (Print): Kourn Hackett Signature: 7 Realett Date: 9-15-11 Note Any Deficiencies: Name (Print): Kourn Hackett Signature: 7 Packett Date: 9-19-11 Note Any Deficiencies: Name (Print): Kourn Hackett Signature: 7 Packett Date: 9-19-11 Note Any Deficiencies: Name (Print): Kourn Hackett Signature: 7 Hackett Date: 9-19-11 Note Any Deficiencies: Name (Print): Kourn Hackett Signature: 7 Hackett Date: 9-20-11 Note Any Deficiencies: Name (Print): Kourn Hackett Signature: 7 Hackett Date: 9-20-11 Note Any Deficiencies: Name (Print): Kourn Hackett Signature: 7 Hackett Date: 9-20-11 Note Any Deficiencies:	Note Any Deficiencies:	, 0	
Note Any Deficiencies: Name (Print): Kourn Hackett Signature: 7 Realett Date: 9-16-11 Note Any Deficiencies: Name (Print): Kourn Hackett Signature: 7 Hackett Date: 9-19-11 Note Any Deficiencies: Name (Print): Kourn Hackett Signature: 7 Hackett Date: 9-19-11 Note Any Deficiencies: Name (Print): Kourn Hackett Signature: 7 Hackett Date: 9-19-11 Note Any Deficiencies: Name (Print): Kourn Hackett Signature: 7 Hackett Date: 9-20-11 Note Any Deficiencies: Name (Print): Kourn Hackett Signature: 7 Hackett Date: 9-20-11 Note Any Deficiencies: Name (Print): Kourn Hackett Signature: 7 Hackett Date: 9-20-11 Note Any Deficiencies:	Name (Print): William Begay	Signature: / Lilling Barry	Date: 9-14-11
Note Any Deficiencies: Name (Print): Koun Hackett Signature: K-Kallt Date: 9-16-11 Note Any Deficiencies: Name (Print): Koun Hackett Signature: K-Hackett Date: 9-18-11 Note Any Deficiencies: Name (Print): Koun Hackett Signature: K-Hackett Date: 9-18-11 Note Any Deficiencies: Name (Print): Koun Hackett Signature: K-Hackett Date: 9-20-11 Note Any Deficiencies: Name (Print): Koun Hackett Signature: K-Hackett Date: 9-20-11 Note Any Deficiencies: Name (Print): Koun Hackett Signature: K-Hackett Date: 9-20-11	Note Any Deficiencies:		
Name (Print): Keurn Hackett Signature: R-Sachett Date: 9-16-11 Note Any Deficiencies: Name (Print): Keurn Hackett Signature: R-Hackett Date: 9-19-11 Note Any Deficiencies: Name (Print): Keurn Hackett Signature: R-Hackett Date: 9-18-1/ Note Any Deficiencies: Name (Print): Keurn Hackett Signature: R-Hackett Date: 9-21-1/ Note Any Deficiencies: Name (Print): Keurn Hackett Signature: R-Hackett Date: 9-21-1/ Note Any Deficiencies: Name (Print): Keurn Hackett Signature: R-Hackett Date: 9-21-1/	Name (Print): Kerin Hackett	Signature: 74: Blackett	Date: 9./5.//
Note Any Deficiencies: Name (Print): Note Any Deficiencies: Name (Print): Keuin Hackett Signature: Name (Print): Note Any Deficiencies:	Note Any Deficiencies:		
Note Any Deficiencies: Name (Print): Note Any Deficiencies:	Name (Print): Keurn Hackett	Signature: R-Nach I	Date: 9-/6-11
Note Any Deficiencies: Name (Print): Keun Itackett Signature: K- Nacht Date: 9-18-1/ Note Any Deficiencies: Name (Print): Keun Itackett Signature: K- Hacket Date: 9-20-1/ Note Any Deficiencies: Name (Print): Keun Hackett Signature: K- Hacket Date: 9-20-1/ Note Any Deficiencies: Name (Print): Keun Hackett Signature: K- Hacket Date: 9-21-1/		-	
Note Any Deficiencies: Name (Print): Keuin (fackett Signature: X - Hackett Date: 9-18// Note Any Deficiencies: Name (Print): Keuin Hackett Signature: X - Hackett Date: 9-20-// Note Any Deficiencies: Name (Print): Keuin Hackett Signature: X - Hackett Date: 9-20-// Note Any Deficiencies: Name (Print): Keuin Hackett Signature: X - Hackett Date: 9-21-//	Name (Print): K cuin Hackett	Signature: The Hackelt	Date: 9 - /9 - //
Name (Print): Keuin Itackett Signature: K= Hackett Date: 9-18// Note Any Deficiencies: Name (Print): Keuin Itackett Signature: K= Hackett Date: 9-18-// Note Any Deficiencies: Name (Print): Keuin Hackett Signature: K= Hackett Date: 9-21-// Note Any Deficiencies: Name (Print): Keuin Hackett Signature: K= Hackett Date: 9-21-//	Note Any Deficiencies:		
Name (Print): Kcuin Hackett Signature: X- Hackett Date: 9-20-11 Note Any Deficiencies: Name (Print): Kcuin Hackett Signature: X- Hackett Date: 9-21-11 Note Any Deficiencies: Name (Print): Kcuin Hackett Signature: X- Hackett Date: 9-21-11		Signature: K = Nacht	Date: 9 -18 //
Note Any Deficiencies: Name (Print): Keun Hackett Signature: K-Hackett Date: 9-20-11 Note Any Deficiencies: Name (Print): Keun Hackett Signature: K-Hackett Date: 9-21-11	Note Any Deficiencies:	·	
Name (Print): Keuin Hackett Signature: 2- Hackett Date: 9-20-11 Note Any Deficiencies: Name (Print): Keuin Hackett Signature: 7- Hackett Date: 9-21-11	Name (Print): Kwin Hackett	Signature: X - Hachell	Date: 9-19- //
Note Any Deficiencies: Name (Print): KCUIN Hackett Signature: K-Hackett Date: 9-21-11	Note Any Deficiencies:		
Name (Print): Keurn Hackett Signature: R-Hackett Date: 9-21-11	Name (Print): Keuin Hackett	Signature: K- Hackett	Date: 9-20-1/
/ / (1400-04)	Note Any Deficiencies:		
Note Any Detroiencies:	Name (Print): KOUIN Hackett	700000	Date: 9 -21-11
	Note Any Deticiencies:	, n., i	



Pit Inspection Log Sheet

(daily while rig is on-site, then weekly as long as liquids remain in the pit) Well Name: API: Date: Name (Print): Signature: Note Any Deficiencies: Date: 9-23-11 Name (Print): Signature: Note Any Deficiencies Name (Print): Signature: Note Any Deficiencies: Date: Name (Print): Signature: Note Any Deficiencies: Name (Print): Signature: Note Any Deficiencies: Date: 9-27-11 Name (Print): Signature: Note Any Deficiencies: 9-28-11 Name (Print): Date: Signature: Note Any Deficiencies: 9-29-11 Name (Print): Kとしい Signature: **Note Any Deficiencies:** 423 9-30-11 Name (Print): K Date: Signature: Note Any Deficiencies: Date: //)- / ~ / / Name (Print): Kシンプ Signature: Note Any Deficiencies: Date: 10 · 2 - 11 Name (Print): K Signature: Note Any Deficiencies: Date: 10 -.3 -Name (Print): Keuin Signature: Note Any Deficiencies: Date: / D - H - / Name (Print): Kaulia Signature: Note Any Deficiencies: Name (Print): Kzuin Ha Signature: Note Any Deficiencies: Name (Print): Signature: Note Any Deficiencies:

Signature:

Name (Print):

Note Any Denciencies:

Date: 19-7



Pit Inspection Log Sheet

(daily while rig is on-site, then weekly as long as liquids remain in the pit)

Well Name: Jicarilla West #	8M API:	
Name (Print): Eugene Burbank	Signature: Eugene Burbank	Date: 8-18-11
Note Any Deficiencies: None		
Name (Print): Eugene Burbank	Signature: Eugene Burbank	Date: 8-24-11
Note Any Deficiencies: None	0	
Name (Print): Eugene Burbank	Signature: Eugene Burbank	Date: 8-30-11
Note Any Deficiencies: None	ð	
Name (Print): Eugene Burbank	Signature: Eugene Burbonk	Date: 9-6-11
Note Any Deficiencies: None		
Name (Print): Eugene Burbank	Signature: Eugene Burbank	Date: 9-20-11
Note Any Deficiencies: None		
Name (Print): Eugene Burbank	Signature: Eugene Burbank	Date: /D-/3-1/
Note Any Deficiencies: None		
Name (Print): Eugene Burbank	Signature: Eugene Runtrank	Date: 10-25-11
Note Any Deficiencies: None		
Name (Print): Eugene Rubank	Signature: Eugene Burbank	Date: //~ 4 - //
Note Any Deficiencies: None		
Name (Print): Eugene Burbank	Signature: Eugene Burbank	Date: //~// -//
Note Any Deficiencies: None	0	
Name (Print):	Signature:	Date:
Note Any Deficiencies:		
Name (Print):	Signature:	Date:
Note Any Deficiencies:		
Name (Print):	Signature:	Date:
Note Any Deficiencies:		
Name (Print):	Signature:	Date:
Note Any Deficiencies:		
Name (Print):	Signature:	Date:
Note Any Deficiencies:		
Name (Print):	Signature:	Date:
Note Any Deficiencies:		
Name (Print):	Signature:	Date:
Note Any Deficiencies:		

R E S O U R C E S C O R P O B A T I O N

JICARILLA WEST #8M
2619' FSL 721' FEL
SHL UNIT I SEC 6 T26N R05W
LATITUDE 36.51633°
LONGITUDE -107.39392°
API # 30-039-31036 ELEV. 6578'
LEASE # JICARILLA CONTRACT 152
RIO ARRIBA COUNTY, NEW MEXICO
BLANCO MESAVERDE/BASIN DK

