

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL
WELL ☐

GAS
WELL ☒

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☒

2. NAME OF OPERATOR

Taurus Exploration, U.S.A., Inc.

3. ADDRESS AND TELEPHONE NO.

2198 Bloomfield Highway; Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. *)

At surface

1700' FNL, 800' FWL,

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

12 miles north of Lindrith, New Mexico

15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any) 800'

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

2100'

16. NO. OF ACRES IN LEASE

2560'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320/160

19. PROPOSED DEPTH

8573'

20. ROTARY OR CABLE TOOLS

rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

7475' GL

22. APPROX. DATE WORK WILL START*

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	9 5/8	36#	200	130 cu. ft. to circ.
8 3/4	7	20 & 23#	4335	1309 cu. ft. to circ.
6 1/4	4 1/2	11.6#	8573	658 cu. ft. to tie into Int.

Selectively perforate and sand water fracture the Mesa Verde and Dakota formations.

This gas is dedicated.

RECEIVED
SEP 14 1998
OIL CON. DIV.
DIST. 3

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE Production Superintendent

DATE 7/13/98

(This space for Federal or State office use)

PERMIT NO.

APPROVAL 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 applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

See attached on Requirements & Enviro Costs

APPROVED BY

TITLE

*See Instructions On Reverse Side

DATE

Title 18 U.S.C. Section 1001, 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.

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

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-039-25964		2 Pool Code 72319/48025		3 Pool Name Blanco MV/NE Ojito Gallup-Dakota EXT	
4 Property Code 21943		5 Property Name JICARILLA 117E			6 Well Number 3A
7 OGRID No. 162928		8 Operator Name TAURUS EXPLORATION U.S.A., Inc.			9 Elevation 7475

10 Surface Location

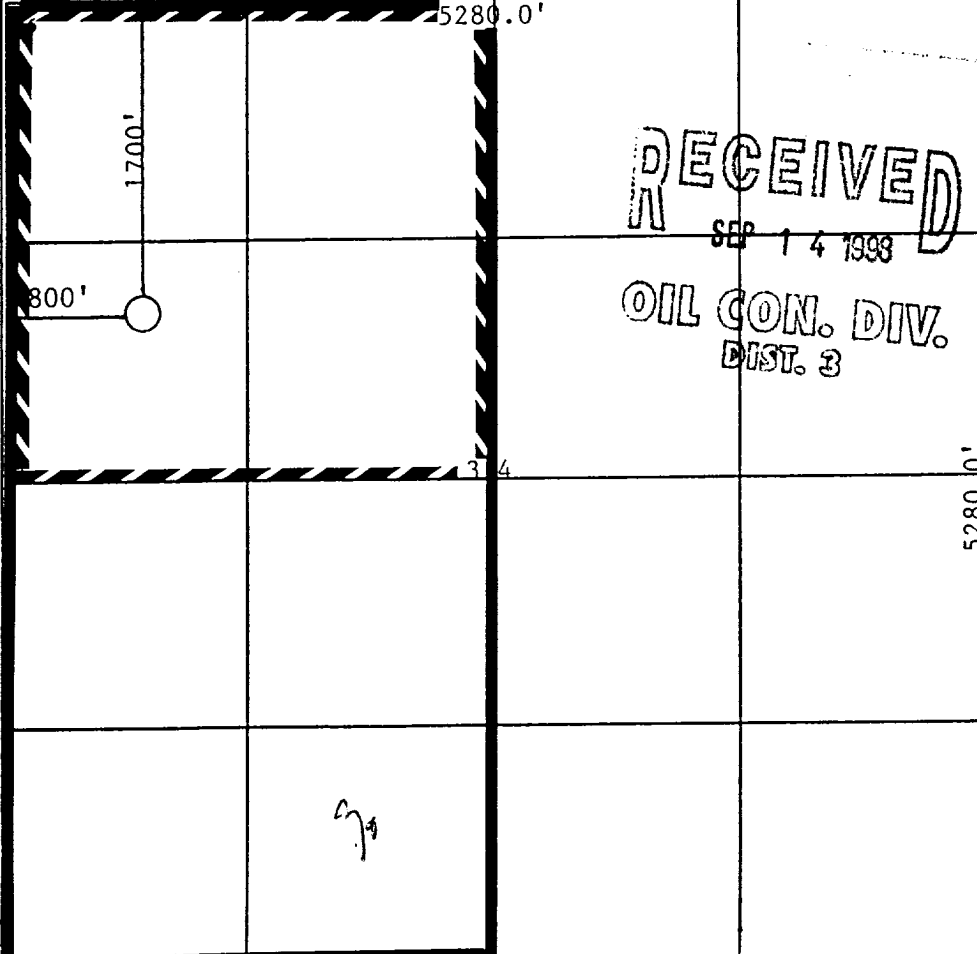
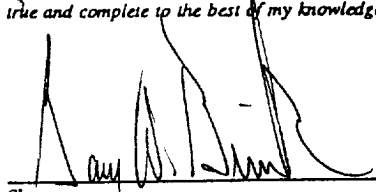
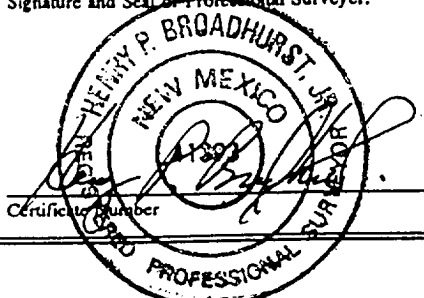
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	34	26N	3W		1700	NORTH	800	WEST	RIO ARriba

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

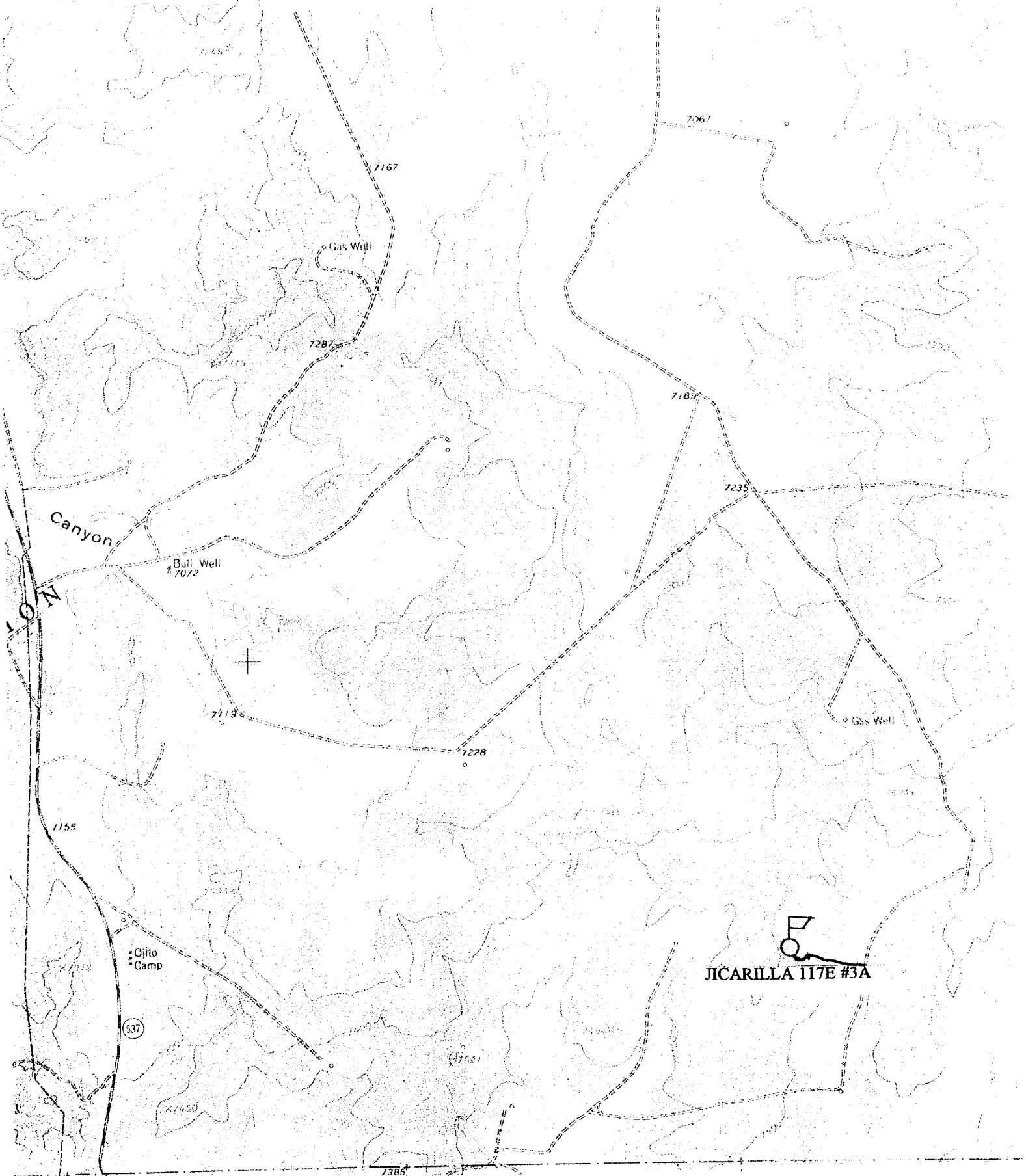
12 Dedicated Acres 320/160	13 Joint or Infill	14 Consolidation Code	15 Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p></p> <p>Signature Gary W. Brink Printed Name Production Superintendent Title 7/13/98 Date</p>
	<p>18 SURVEYOR CERTIFICATION</p> <p>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.</p> <p>6-10-98 Date of Survey</p> <p>Signature and Seal of Professional Surveyer: </p> <p>Certificate Number</p>

5280.0'

TAURUS EXPLORATION
JICARILLA 117E UNIT #3A
SW/4 NW/4 SEC.34, T.26 N., R.3 W., N.M.P.M.,
RIO ARRIBA COUNTY, NEW MEXICO.



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT - " for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. Jicarilla Contract 117
2. Name of Operator Taurus Exploration U.S.A., Inc.	6. If Indian, Allottee or Tribe Name Jicarilla Apache
3. Address and Telephone No. 2198 Bloomfield Highway, Farmington, NM 87401	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1700' FNL, 800' FWL, Sec. 34, T26N, R3W, N.M.P.M.	8. Well Name and No. Jicarilla 117E 3A
	9. API Well No. 30-039-25964
	10. Field and Pool, or exploratory Area NE Ojito Gallup-Dakota
	11. County or Parish, State Rio Arriba NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input checked="" type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other	<input type="checkbox"/> Dispose Water
		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

SPUD 8:10pm 12/4/98. Drilled to 335'. Ran 7 joints, 9 5/8", 36#, K-55 ST&C casing 315'. Set at 329'. Cemented with 160 sks class "B". 2% CaCl2 and 1/4#/sk flocele (189 cu. ft.). Circulated 35 sks to surface. Plug down 10:00am 12/5/98. WOC. Tested casing to 600 psi - OK.

14. I hereby certify that the foregoing is true and correct.		
Signed <u>Monica Taylor</u>	Title <u>Production Assistant</u>	Date <u>12/7/98</u>
(This space for Federal or State office use)		
Approved by <u>Patricia M. Hester</u>	Title <u>Lands and Mineral Resources</u>	Date <u>12-11-98</u>
Conditions of approval, if any:		

Title 18 U.S.C. Section 1001, 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.

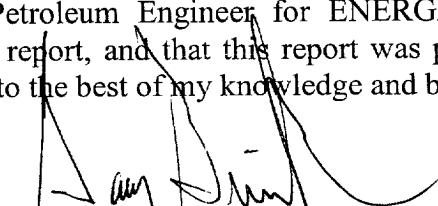
DEVIATION REPORT

Name of Company ENERGEN RESOURCES CORPORATION		Address 2198 Bloomfield Highway, Farmington, NM 87401					
Lease Name & Number Jicarilla 117E #3A	Unit Letter E	Sec. 34		Twn 26N		Rge 3W	
Pool and Formation NE Ojito Gallup-Dakota		API Number 30-039-25964		County Rio Arriba			

<u>Depth (Ft.)</u>	<u>Deviation (Degrees)</u>	<u>Depth (Ft.)</u>	<u>Deviation (Degrees)</u>
148	1.00	7765	10.50
335	1.00	7891	10.00
585	1.00	8108	9.00
1162	1.00	8232	9.50
1650	1.00	8452	9.00
2183	1.00	8492	9.00
2600	1.50		
3244	1.50		
3743	0.50		
4290	0.50		
4774	2.00		
5283	1.50		
5803	1.25		
6124	1.75		
6394	1.75		
6894	6.00		
7082	6.00		
7271	7.00		
7302	10.00		
7363	10.00		
7426	10.00		
7582	10.00		
7703	10.00		

RECEIVED
JAN 6 1999
OIL CON. DIV.
DIST. 3

I, the undersigned, certify that I, acting in my capacity as Petroleum Engineer for ENERGEN RESOURCES CORPORATION, am authorized by said Company to make this report, and that this report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.



Subscribed and sworn to before me this 4th day of January, 1999.



Notary Public in and for San Juan County, New Mexico
My commission expires: November 6, 2001





UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

ENERGEN RESOURCES CORPORATION

3. Address and Telephone No.

2198 Bloomfield Highway, Farmington, NM 87401

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1700' FNL, 800' FWL, Sec. 34, T26N, R3W, N.M.P.M.

5. Lease Designation and Serial No.

Jicarilla Contract 117

6. If Indian, Allottee or Tribe Name

Jicarilla Apache

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Jicarilla 117E 3A

9. API Well No.

30-039-25964

10. Field and Pool, or exploratory Area

NE Ojito Gallup-Dakota

11. County or Parish, State

Rio Arriba NM

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

TYPE OF SUBMISSION

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

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Casing
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

12/20/98 TD 8500'. Ran 199 joints 4 1/2" 11.6#, N-80 and K-55. LT&C casing 8486' set @ 8500'. Cemented with 600 sks. 50/50 class H'poz with 2% gel, 5#/sk gilsonite, 1/4#/sk flocele and 0.4% halad-9. (762 cu. ft.) Plug down 9:45pm 12/21/98. A CBL log will be run at completion.

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

Signed Monica Taylor Title Production Assistant Date 12/23/98

(This space for Federal or State office use)

Approved by [Signature] Title Lands and Mineral Resources Date JAN 27 1999

Conditions of approval, if any:

Provide top of cement

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

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3. Address and Telephone No.

2198 Bloomfield Highway, Farmington, NM 87401

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1700' FNL, 800' FWL, Sec. 34, T26N, R3W, N.M.P.M.

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6. If Indian, Allottee or Tribe Name

Jicarilla Apache

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Jicarilla 117E 3A

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30-039-25964

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Rio Arriba NM

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☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

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☐ Recompletion
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☐ Casing Repair
☐ Altering Casing
☒ Other Casing
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

12/12/98 TD 4295'. Ran 103 joints 7" 23# & 20#. J-55, LT&C-STC casing 4281' set at 4295'. DV tool set at 3792'. Cemented 1st Stage with 100 sks 50/50 poz, 2% gel, 1% CaCL2, 10#/sk gilsonite and 1/2#/sk flocele. (135 cu. ft.). Plug down 11:30pm 12/12/98. Opened stage collar and circulated with mud. Cemented 2nd Stage with 200 sks class "B" 3% econolite, 10#/sk gilsonite and 1/2#/sk flocele. (717 cu. ft.). Total slurry (852 cu. ft.). Circ. trace of cement to surface. Plug down 7:45am 12/13/98 WOC. Tested casing to 1200 psi - OK.

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

Signed Marysa Taylor

Title Production Assistant

Date 12/21/98

(This space for Federal or State office use)

Lands and Mineral Resources

Approved by [Signature]

Title

Date

JAN 27 1999

Conditions of approval, if any:

Provide top of cement for 1st and 2nd stages

Title 18 U.S.C. Section 1001, 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.

Form 3160-5
(June 1990)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

ENERGEN RESOURCES CORPORATION

3. Address and Telephone No.

2198 Bloomfield Highway, Farmington, NM 87401

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1700' FNL, 800' FWL, Sec. 34, T26N, R3W, N.M.P.M.

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

Jicarilla Contract 117

6. If Indian, Allottee or Tribe Name

Jicarilla Apache

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Jicarilla 117E

3A

9. API Well No.

30-039-25964

10. Field and Pool, or exploratory Area

NE Ojito Gallup-Dakota

11. County or Parish, State

Rio Arriba NM

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

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

TYPE OF ACTION

- ☐ Abandonment
- ☐ Recompletion
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- ☐ Casing Repair
- ☐ Altering Casing
- ☒ Other Change of Operator Name
- ☐ Change of Plans
- ☐ New Construction
- ☐ Non-Routine Fracturing
- ☐ Water Shut-Off
- ☐ Conversion to Injection
- ☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Per request of Pat Hester, this Sundry is to notify you of a change of operator from Taurus Exploration U.S.A., Inc., to Energen Resources Corporation. This became effective on October 1, 1998. The Permit to Drill Application was the only application approved under Taurus Exploration U.S.A., Inc.

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

Signed [Signature]Title Production AssistantDate 3/4/99

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, 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.

* See Instruction on Reverse Side

no BLM stamp

Surrogate Summary: QCClient: **APACHE CORPORATION**Project: **9808184 JICARILLA PIT CLOSURES**

QC Type	MS	QC Matrix	SOLID		
QC Group	Run ID	Surrogate	% Recovery	Sequence	Run Date
Test: SW846 8010B/8020A Purgeable VOCs by GC/PID-ELCD					
X98390	X98390-010	4-Bromofluorobenzene	98	XG.1998.702-9	08/21/98
	X98390-010	aaa-Trifluorotoluene	95	XG.1998.702-9	
	X98390-010	Bromochloromethane	81	XG.1998.702-9	
	X98390-010	Bromochloropropane	94	XG.1998.702-9	
	X98390-010	Dichlorobutane	94	XG.1998.702-9	
Test: SW846 8015A Diesel Range Organics by GC/FID					
X98389	X98389-024	O-terphenyl	101	XG.1998.699-19	08/21/98

QC Type	MSD	QC Matrix	SOLID		
QC Group	Run ID	Surrogate	% Recovery	Sequence	Run Date
Test: SW846 8010B/8020A Purgeable VOCs by GC/PID-ELCD					
X98390	X98390-011	4-Bromofluorobenzene	98	XG.1998.702-10	08/21/98
	X98390-011	aaa-Trifluorotoluene	92	XG.1998.702-10	
	X98390-011	Bromochloromethane	77	XG.1998.702-10	
	X98390-011	Bromochloropropane	92	XG.1998.702-10	
	X98390-011	Dichlorobutane	93	XG.1998.702-10	
Test: SW846 8015A Diesel Range Organics by GC/FID					
X98389	X98389-025	O-terphenyl	101	XG.1998.699-20	08/21/98

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	DRY <input type="checkbox"/>	Other _____		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR <input type="checkbox"/>	Other _____
2. NAME OF OPERATOR ENERGEN RESOURCES CORPORATION						5. LEASE DESIGNATION AND SERIAL NO. Jicarilla Contract 117	
3. ADDRESS AND TELEPHONE NO. 2198 Bloomfield Highway, Farmington, NM 87401						6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1700' FNL, 800' FWL At top prod. interval reported below At total depth						7. UNIT AGREEMENT NAME	
14. PERMIT NO.						8. FARM OR LEASE NAME, WELL NO. Jicarilla 117E 3A	
DATE ISSUED						9. API WELL NO. 30-039-25964	
10. FIELD AND POOL, OR WILDCAT NE Ojito Gallup-Dakota						11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 34, T26N, R3W, N.M.P.M.	
12. COUNTY OR PARISH Rio Arriba						13. STATE NM	
15. DATE SPURRED 12/4/98		16. DATE T.D. REACHED 12/21/98		17. DATE COMPL. (Ready to prod.) 1/19/99		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 7475 GR	
19. ELEV. CASINGHEAD 7475		20. TOTAL DEPTH, MD & TVD 8500'		21. PLUG, BACK T.D., MD & TVD 8492'		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY		ROTARY TOOLS Yes		CABLE TOOLS		25. WAS DIRECTIONAL SURVEY MADE No	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* 7345' - 8109' Gallup-Dakota						27. WAS WELL CORED No	
26. TYPE ELECTRIC AND OTHER LOGS RUN Micro Log, Temp. Log, HRI Log, Den.-Neu. Log, GR-CBL-CCL							
28. CASING RECORD (Report all strings set in well)							
CASING SIZE/GRADE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
9 5/8		36		329'		12 1/4	
7		23 & 20		4295'		8 3/4	
4 1/2		11.6		8500'		6 1/4	
29. LINER RECORD		30. TUBING RECORD					
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
						SCREEN (MD)	
						SIZE	
						DEPTH SET (MD)	
						PACKER SET (MD)	
31. PERFORATION RECORD (Interval, size and number) 0.34: 7345, 53, 7403, 09, 28, 36, 39, 62, 67, 70, 80, 89, 7503, 18, 33, 73, 81, 85, 7604, 08, 15, 20, 39, 51, 61, 68, 87, 7707, 80, 7810, 95, 99, 7905, 16, 21, 70, 76, 85, 90, 8026, 80, 91, 8103, 09 ->				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) 7345' - 8109' AMOUNT AND KIND OF MATERIAL USED 100,600 gal., Slickwater, 150,000# 20/40 sand. 1JSPF (44 HOLES)			
33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Shut-In	
DATE OF TEST 1/19/99		HOURS TESTED 7 Day SI		CHOKE SIZE		PROD'N. FOR TEST PERIOD	
FLOW. TUBING PRESS. SI-170#		CASING PRESSURE SI-933#		CALCULATED 24-HOUR RATE		OIL - BBL.	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To Be Sold		TEST WITNESSED BY Burl Applegate					
35. LIST OF ATTACHMENTS None							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED		TITLE Production Superintendent				DATE 1/25/99	

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Nacimient	2583	
Ojo Alamo	3615	
Kirtland	3810	
Fruitland	3878	
Pictured Cliffs	4072	
Lewis	4185	
Huerfanito Bent.	4493	
Cliff House	5617	
Menefee	5818	
Point Lookout	6220	
Mancos	6672	
Gallup	7176	
Greenhorn	8210	
Graneros	8272	
Dakota	8343	