

DATE IN <u>2/11/02</u>	SUSPENSE <u>3/3/02</u>	ENGINEER <u>MS</u>	LOGGED <u>NV</u>	TYPE: <u>NSL</u> <u>20732 8824</u>
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]
 [DD-Directional Drilling] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Directional Drilling
☒ NSL ☐ NSP ☐ DD ☐ SD

Check One Only for [B] and [C]

[B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners
 [B] ☒ Offset Operators, Leaseholders or Surface Owner
 [C] ☐ Application is One Which Requires Published Legal Notice
 [D] ☐ Notification and/or Concurrent Approval by BLM or SLO
 U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
 [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
 [F] ☐ Waivers are Attached

[3] **INFORMATION / DATA SUBMITTED IS COMPLETE** - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Richard P. Corcoran
 Print or Type Name

Richard Corcoran
 Signature

District Landman
 Title

2-7-02
 Date

Jicarilla 96#4R



February 7, 2002

Certified Mail
7001 1940 0003 1550 2743

New Mexico Oil Conservation Division
Attn: Michael E. Stogner
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: ADMINISTRATIVE APPROVAL OF UNORTHODOX LOCATION
JICARILLA 96 #4R
1,350' FNL & 2,450' FEL
SECTION 1-T26N-R3W
RIO ARriba COUNTY, NEW MEXICO

Dear Mr. Stogner:

Energen Resources Corporation (Energen) hereby requests Administrative Approval for an Unorthodox Location of its proposed Jicarilla 96 #4R Mesaverde well under the provisions of New Mexico Oil Conservation Division (NMOCD) Order R-10987-A.

The proposed well is to be located 1,350' FNL & 2,450' FEL of Section 1-T26N-R3W, Rio Arriba County, New Mexico and dedicated to a standard 320 acre gas spacing unit consisting of the E/2 of said Section 1, in the Blanco Mesaverde gas pool.

The proposed well is closer than 660 feet to the western boundary of the proration unit, causing a non-standard location. The well is proposed at this unorthodox location to move as far west from the Jicarilla 96 #004 well located 990' FNL & 990' FEL of Section 1-T26N-R3W, which was Plugged and Abandoned on October 23, 1995.

The Jicarilla 96 #4 (API #30-039-06749) was drilled to a total depth of 6,115', completed on August 21, 1957 as a Mesaverde well at a plugged back total depth of 6068', and produced 204,166 MCF before being plugged and abandoned.

As this is a replacement well we are attempting to move it to a point of greater potential thickness and better reservoir quality which was not at the standard location.

A copy of this Application is being submitted to all offset operator/owner by certified mail with a request that they furnish your office in Santa Fe a Waiver of Objection.

Attached is a well location plat showing dedicated acreage (C-102), a topographic plat of the area, and a map showing all offsetting owners.

Your favorable consideration of this request would be appreciated.

Sincerely,

A handwritten signature in cursive script that reads "Richard Corcoran".

Richard Corcoran
District Landman

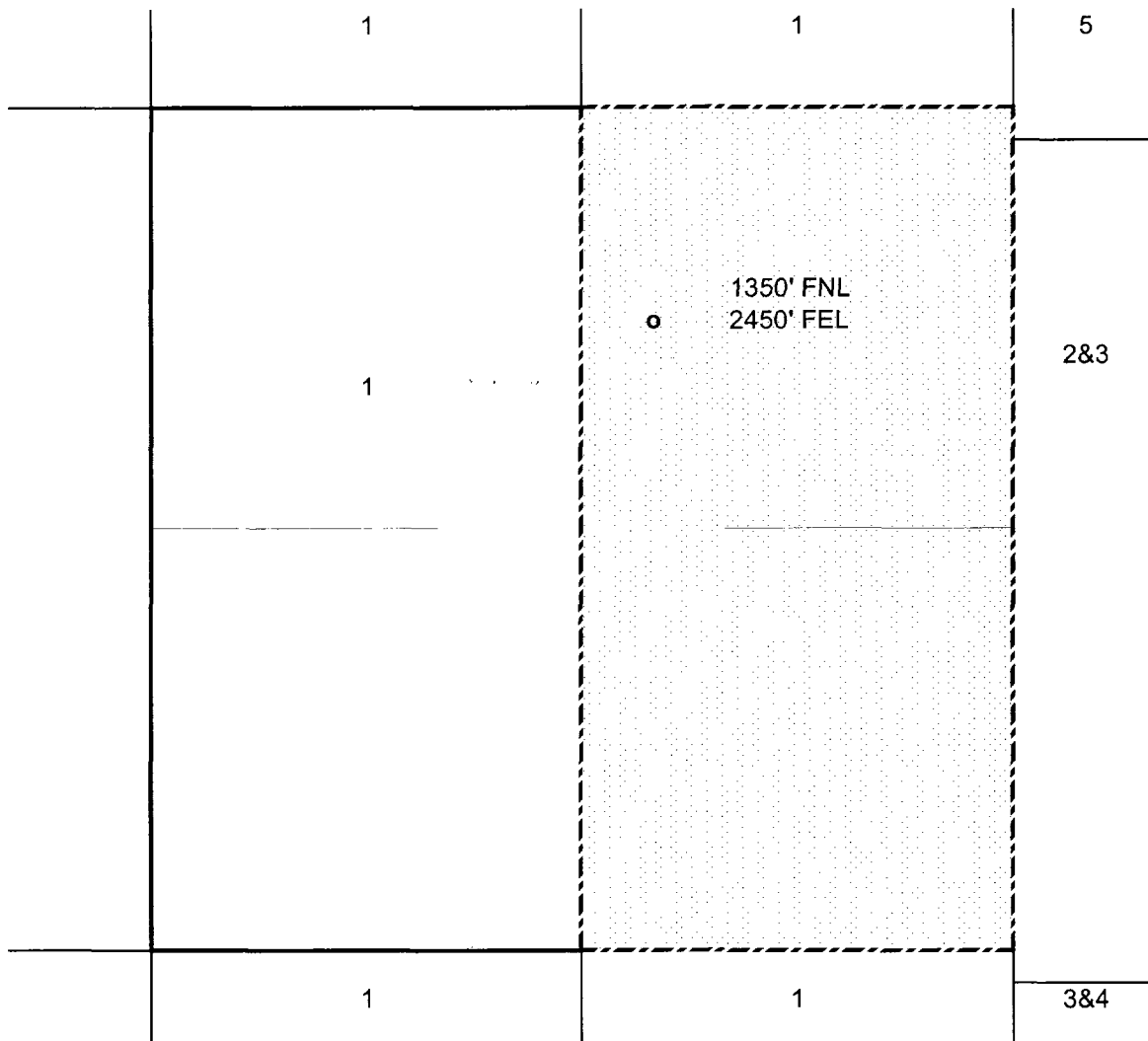
Energen Resources Corporation

Jicarilla 96 #4R

OFFSET OPERATOR \ OWNER PLAT

Mesa Verde Formation

E/2 Section 1, Township 26 North - Range 3 West



Tract 1 Energen Resources Corp.

Tract 2 Sec. 6: Lots 1, 2, & 3 T26N-R2W

Coleman Oil & Gas

Elm Ridge Exploration

Tract 3 Sec. 6: Lot 4 and Sec. 7: Lots 1, 2, & 3 T26N-R2W

Scythian, Ltd

Coleman Oil & Gas

Elm Ridge Exploration

Tract 4 Sec. 7: Lot 4 T26N-R2W

R. L. Bayless

Merrion Oil & Gas

Merrion Trust

Tract 5 Sec. 30: All T27N-R2W

Jicarilla Apache Tribe

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

*API Number 30-039-26855	*Pool Code 72319 -	*Pool Name Blanco Mesaverde -
*Property Code 21938	*Property Name JICARILLA 96	*Well Number 4R
*OGRID No. 162928	*Operator Name ENERGEN RESOURCES CORPORATION	*Elevation 7200'

¹⁰ Surface Location

U. or lot no. G	Section 1	Township 26N	Range 3W	Lot Idn	Feet from the 1350	North/South line NORTH	Feet from the 2450	East/West line EAST	County RIO ARriba
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¹¹ Bottom Hole Location If Different From Surface

U. 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					¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.		

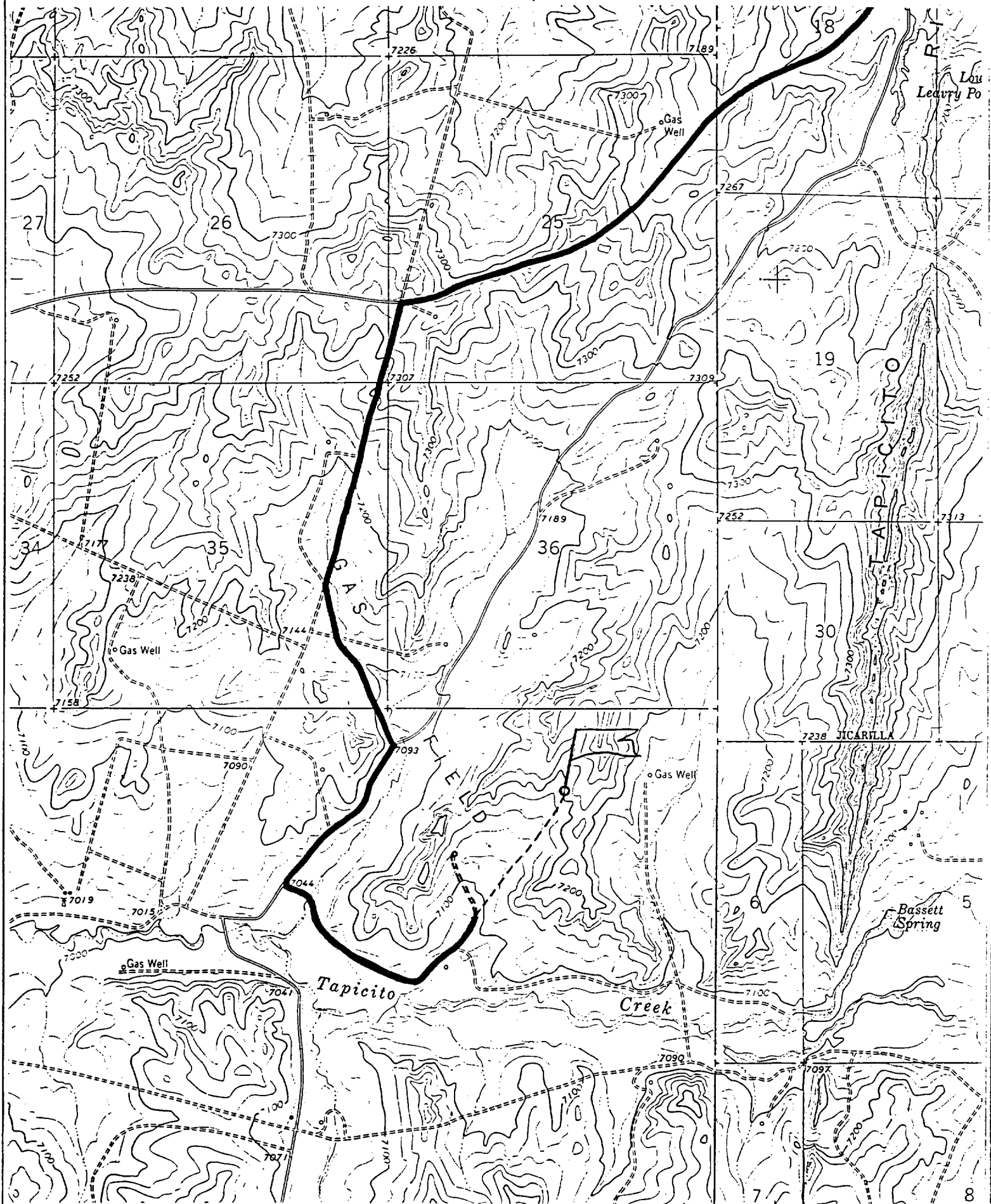
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

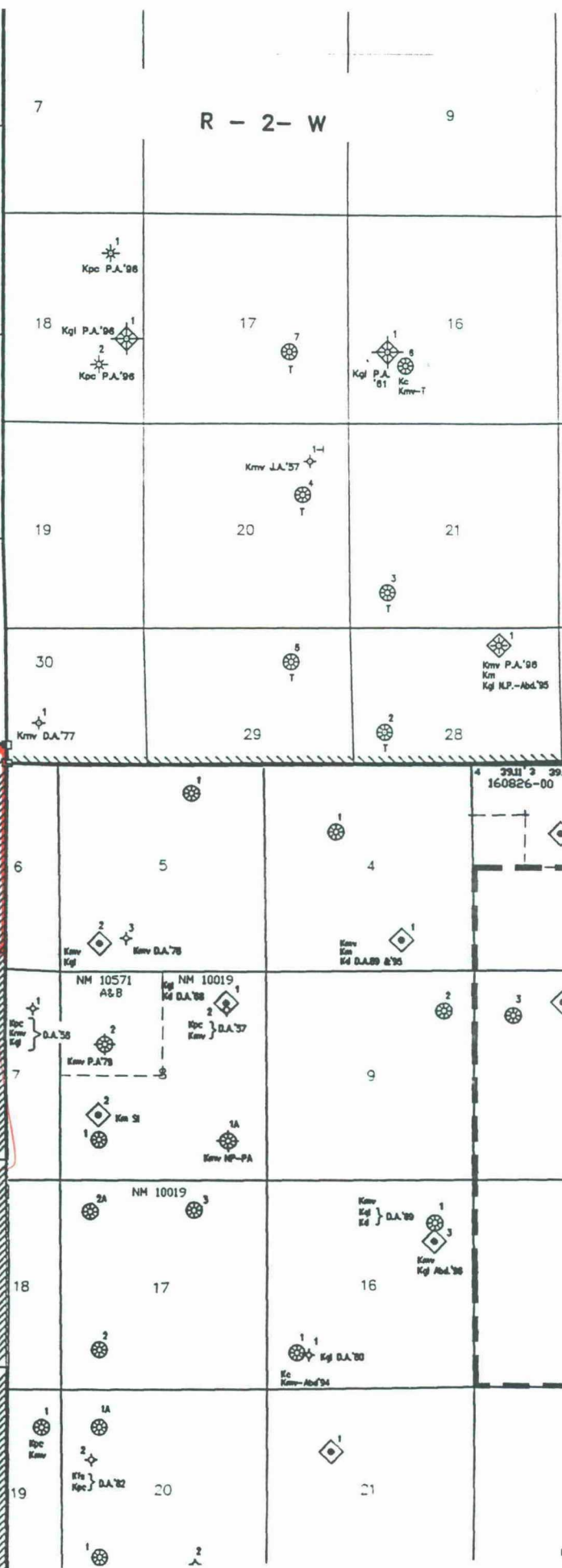
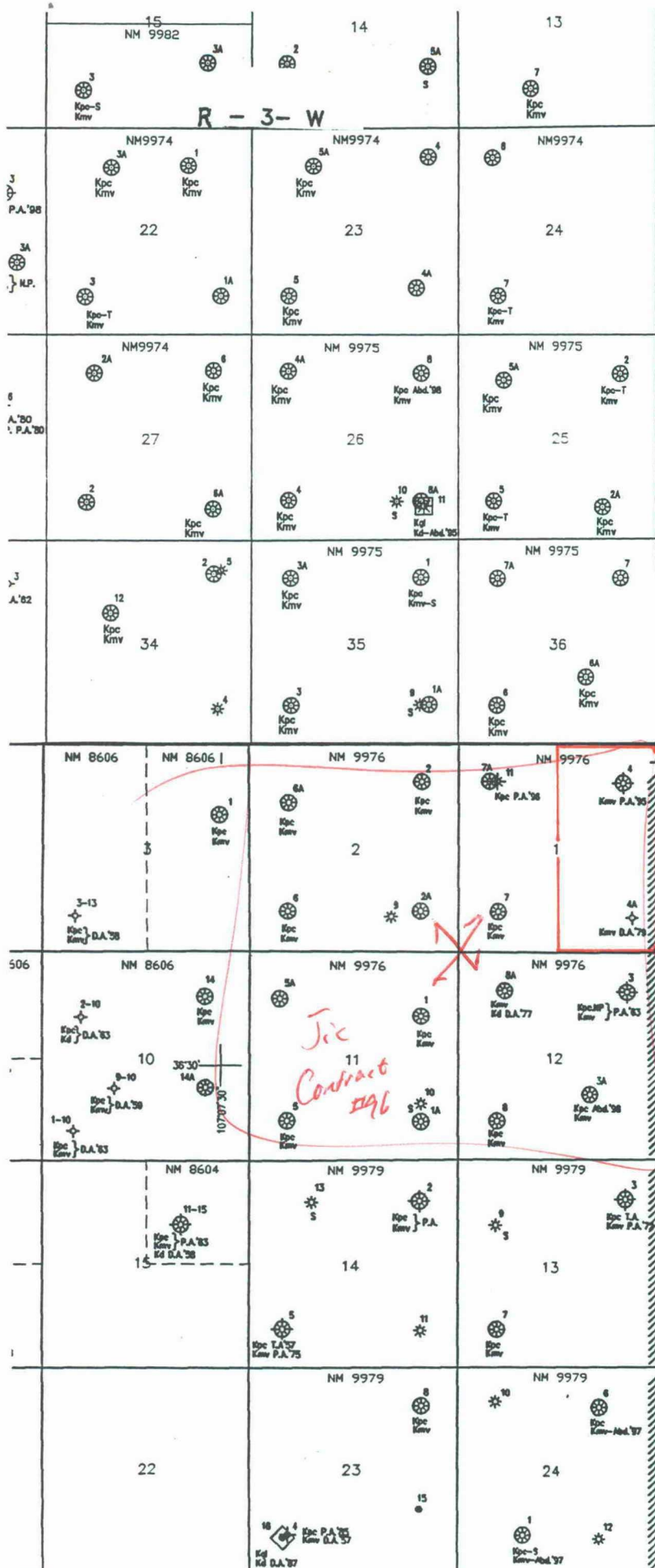
¹⁶		¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature Gary Brock Printed Name Production Superintendent Title 8/24/01 Date
		¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey: AUGUST 16, 2001 Signature and Seal of Professional Surveyor JASON C. EDWARDS Certificate Number 15269

Emergen Resources Corp.
Jicarilla Apache "96"
Well No. 4A
874' ESE - 732' EEL (6)

ENERGEN RESOURCES CORPORATION JICARILLA 96 #4R

1350' FNL & 2450' FEL, SECTION I, T26N, R3W, N.M.P.M.
RIO ARriba COUNTY, NEW MEXICO





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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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


APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. Jic Cont 96
1b. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name Jicarilla Apache
2. Name of Operator Energen Resources Corporation		7. Unit or CA Agreement Name and No.
3a. Address 2198 Bloomfield Highway, Farmington, NM 87401	3b. Phone No. (include area code) (505) 325-6800	8. Lease Name and Well No. Jicarilla 96 4R
4. Location of Well (Report location clearly and in accordance with any State requirements) At surface 1350' FNL, 2450' FWL At proposed prod. zone		9. API Well No. 30-039-26855
14. Distance in miles and direction from nearest town or post office* 17 miles northwest of Lindrith, New Mexico		10. Field and Pool, or Exploratory Blanco MV; WC 26N3W1G; Mancos
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any) 1350'	16. No. of Acres in lease 2530.72	11. Sec., T., R., M., or Blk. and Survey or Area 67 Sec. 1, T26N, R3W, N.M.P.M.
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1500'	19. Proposed Depth 7960'	12. County or Parish Rio Arriba
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 7200' GL		13. State NM
22. Approximate date work will start* Dec 2001		17. Spacing Unit dedicated to this well 160 NE 1/4 Mancos 320 E 1/2 NW
23. Estimated duration 14 Days		20. BLM/BIA Bond No. on file

24. Attachments

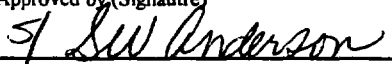
The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Don Graham	Date 8/24/01
------------------------------------------------------------------------------------------------------	-------------------------------------------	------------------------

Title

Production Superintendent

Approved by (Signature) 	Name (Printed/Typed)	Date 10/22/01
---------------------------------------------------------------------------------------------------------------	----------------------	-------------------------

Title

Asst. Field Mgr.

Office

Albuquerque FO

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, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

*(Instructions on Reverse)

Attached

WOLD C104 FOR NSL

District I
PO Box 1930, 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

*API Number 30-039-26855		*Pool Code 72319 - 96153	*Pool Name Blanco Mesaverde - WC#26N3W1G; Marcos (G)
*Property Code 21938	*Property Name JICARILLA 96		*Well Number 4R
*OGRID No. 162928	*Operator Name ENERGEN RESOURCES CORPORATION		*Elevation 7200'

¹⁰ Surface Location

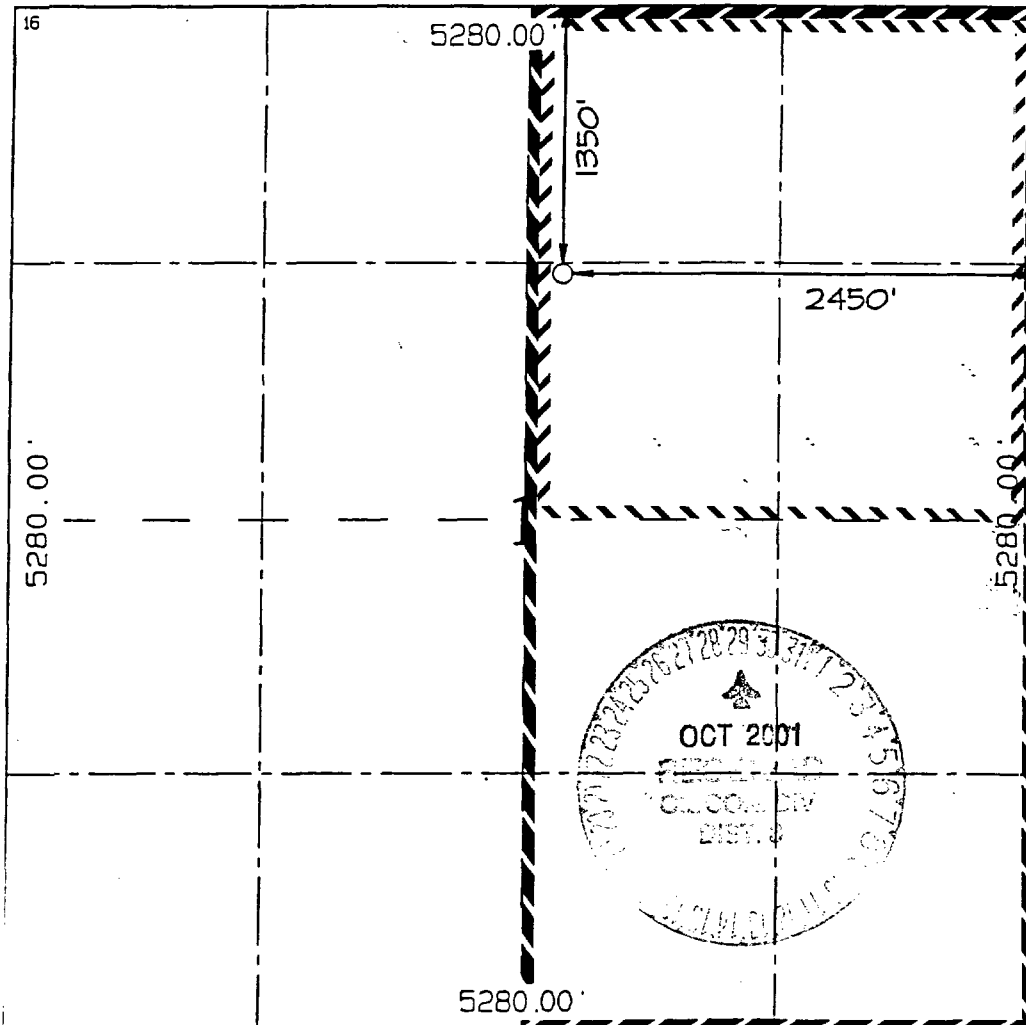
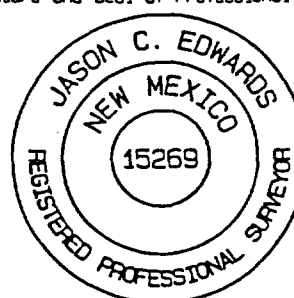
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	1	26N	3W		1350	NORTH	2450	EAST	RIO ARriba

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

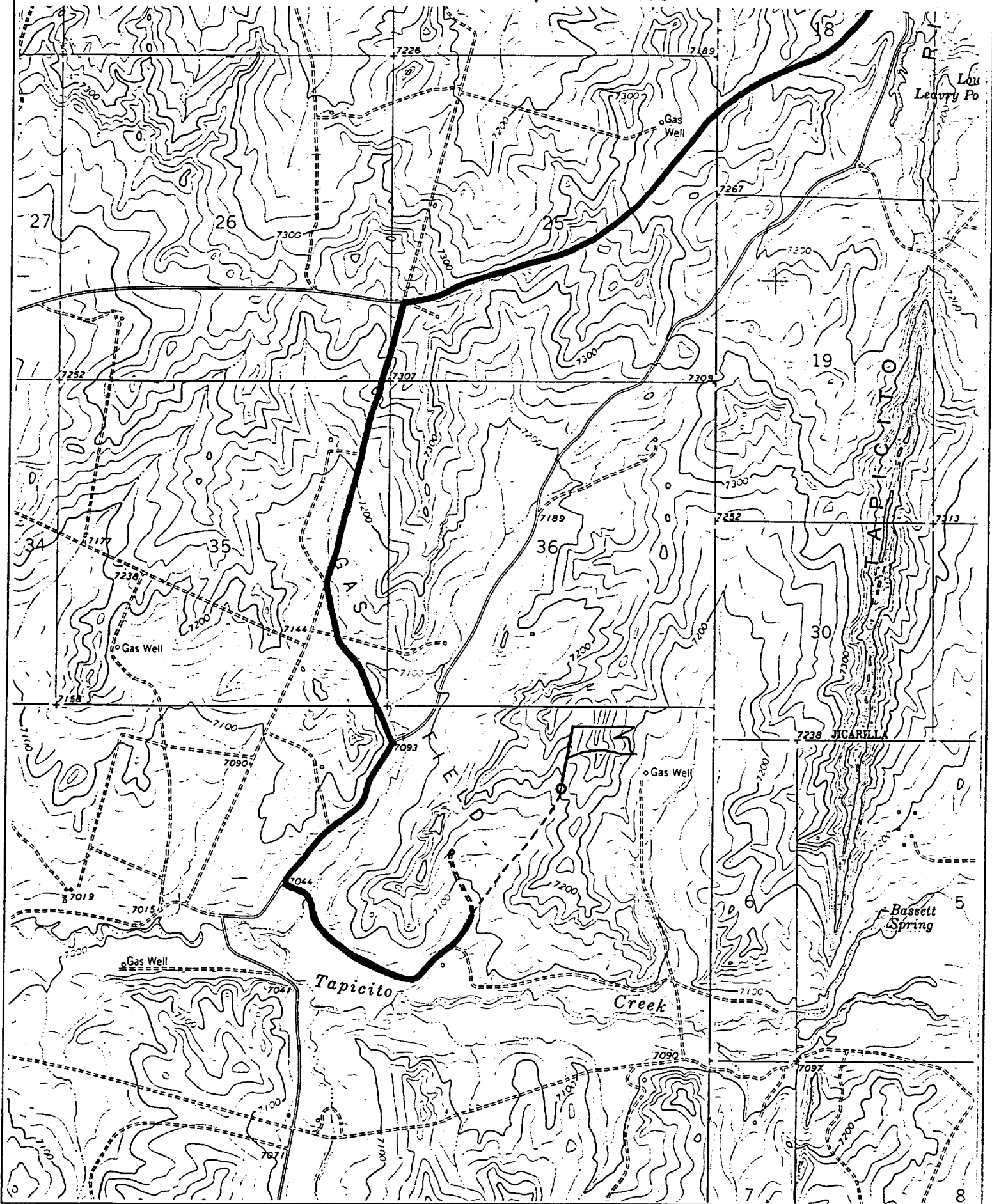
¹² Dedicated Acres 320/160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.

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

<div><p>16</p></div>	<div><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>Signature Gary Brink</p><p>Printed Name Production Superintendent</p><p>Title</p><p>Date</p></div>
	<div><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>Date of Survey: AUGUST 16, 2001</p><p>Signature and Seal of Professional Surveyor</p><div><p>JASON C. EDWARDS Certificate Number 15269</p></div></div>

ENERGEN RESOURCES CORPORATION JICARILLA 96 #4R

1350' FNL & 2450' FEL, SECTION I, T26N, R3W, N.M.P.M.
RIO ARriba COUNTY, NEW MEXICO



OPERATIONS PLAN

WELL NAME: Jicarilla 96 #4R

LOCATION: 1350' FNL, 2450' FWL, Section 1, T26N, R3W, Rio Arriba, New Mexico

FIELD: Blanco MV/WC:26N3W1G; Mancos

ELEVATION: 7200'

FORMATION TOPS:

Surface	San Jose	Huerfanito Benonite	4299
Nacimiento	2278	Cliff House	5393
Ojo Alamo	3187	Menefee	5649
Kirtland	3537	Point Lookout	5916
Fruitland	3638	Gallup	5993
Pictured Cliffs	3766		
Lewis	3967		
		Total Depth	7960

LOGGING PROGRAM:

Open Hole Logs:

Surface to intermediate: NONE

Inter TD to total depth: Temp/HRI/CNT, LDT/GR

Mud Logs: 3600' to total depth

Coring: None

Natural Gauges: Every 500' from intermediate TD to total depth

MUD PROGRAM: Fresh water low solids mud from surface to intermediate TD (9.0 – 9.2 PPG).

Air/mist from intermediate casing point to total depth.

CASING PROGRAM:

<u>HOLE SIZE</u>	<u>DEPTH</u>	<u>CSG SIZE</u>	<u>WT.</u>	<u>GRADE</u>
12-1/4"	200'	9-5/8"	36#	J-55
8-3/4"	4167'	7"	20/23#	J-55
6-1/4"	4017'-7960'	4-1/2"	11.6#	J-55

TUBING PROGRAM:

7700'	2 3/8	4.7#	J-55
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WELLHEAD: 11" 3000 x 9 5/8" casing head. 11" 3000 x 7 1/16" 3000 xmas tree.

BOP SPECIFICATIONS:

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

CEMENTING:

9 5/8 surface casing - Cement with 110 sxs Class B Cement with 1/4" Flocele/sx and 2% calcium chloride (130 cu. ft. of slurry, 100% excess to circulate to surface). WOC 12 hrs. Test casing to 600# for 30 minutes.

Texas Pattern Guide Shoe on bottom with centralizers on the first three joints.

7" intermediate casing - cement with 425 sxs 65/35 Class B Poz with 6% gel, 2% calcium chloride, 10% gilsonite, and 1/4# flocele/sk. Tail with 100 sxs Class B w/2% calcium chloride, 10% gilsonite and 1/4# flocele/sk. (940 cu. Ft. of slurry, 50% excess to circulate to surface). WOC 12 hrs. If cement does not circulate, run temperature survey in 8 hrs. to determine TOC. Test casing to 1200 psi for 30 minutes.

Cement nose guide shoe on bottom with a self-fill insert float valve on top of shoe joint. 8 bow spring centralizers spaced every 2nd joint off bottom. Two turbolating centralizers at the base of the Ojo Alamo.

4 1/2 Production Liner

Cement with 480 sxs 50/50 poz with 2% gel, 5 PPS gilsonite, .4% halad - 9 and 1/4# flocele/sk (607 cu. Ft., 50% excess to intermediate casing). WOC 18 hrs prior to completion.

Cement nose guide shoe on bottom with float collar on top of shoe joint. Liner hanger will have a neopreme packoff on top.

OTHER INFORMATION:

- 1) The Blanco Mesaverde and Gallup Dakota will be completed and downhole commingled.
- 2) No abnormal temperatures or pressures are anticipated.
- 3) Anticipated pore pressure for the Gallup is 900, Mesa Verde is 800, Pictured Cliffs is 500 and the Fruitland 400 psi.
- 4) If lost circulation is encountered, sufficient LCM will be added to the mud system to maintain well control.
- 5) This gas is dedicated.

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

02/12/02 12:48:
OGOMES -TP
PAGE NO:

Sec : 01 Twp : 26N Rng : 03W Section Type : NORMAL

Z00 40.00	Z00 40.00	Z00 40.00	Z00 40.00
Indian owned	Indian owned	Indian owned	Indian owned
Z00 40.00	Z00 40.00	Z00 40.00	Z00 40.00
Indian owned	Indian owned	Indian owned	Indian owned

PF01 HELP
PF07 BKWD

PF02
PF08 FWD

PF03 EXIT
PF09 PRINT

PF04 GoTo
PF10 SDIV

PF05
PF11

PF06
PF12

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

02/12/02 12:48:
OGOMES -TP
PAGE NO:

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Z00 40.00	Z00 40.00	Z00 40.00	Z00 40.00
Indian owned	Indian owned	Indian owned	Indian owned

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06

PF07 BKWD PF08 FWD PF09 PRINT PF10 SDIV PF11 PF12

For Steve Hargrave review



State of New Mexico
OIL CONSERVATION COMMISSION

From

MICHAEL E. STOGNER
PETROLEUM ENGINEER

TYPE	NSL
20732 8824	

SION

ERSHEET

VISION RULES AND REGULATIONS

Location]
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oil/Lease Commingling]
ase Measurement]
Expansion]
crease]
Production Response]

FEB 11 2002	
[] OLS	[] OLM

Recovery
[] EOR [] PPR

or Does Not Apply
Owners

al Notice

or SLO
id Office

cation is Attached, and/or,

ent of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Jicarilla 96#4R

Richard P. Corcoran
Print or Type Name

Richard Corcoran
Signature

District Landman
Title

2-7-02
Date



February 6, 2002

OIL CONSERVATION DIV.

Certified Mail

02 FEB 22 PM 4:20 7001 1940 0003 1550 2675

Coleman Oil & Gas
Attn: Chris Coleman
6540 East Main Street
Farmington, NM 87402

RE: ADMINISTRATIVE APPROVAL OF UNORTHODOX LOCATION
JICARILLA 96 #4R WELL
1,350' FNL & 2,450' FEL
SECTION 1-T26N-R3W
RIO ARRIBA COUNTY, NEW MEXICO

Dear Chris:

Energen Resources Corporation has filed with the New Mexico Oil Conservation Division (NMOCD), an application for the Administrative Approval of an Unorthodox Location for its Jicarilla 96 #4R well. A copy of the application has been attached for your review.

If you have no objection to this unorthodox location, please sign the three copies of the attached waiver, return one executed copy to the NMOCD at 1220 South Saint Frances Drive in Santa Fe, New Mexico 87505, one copy to our office and retain one copy for your files.

Your cooperation in this matter is appreciated.

Sincerely,

Richard P. Corcoran
District Landman

RC/ga

WAIVER

COLEMAN OIL & GAS hereby waives objection to the above referenced Application for Unorthodox Location for Energen Resources Corporation's Jicarilla 96 #4R well.

Date: 2/18/02

By: Paul C. Thompson (AGENT)

cc: OCD-Aztec office, BLM-Farmington office, Offset Operators