

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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	GAS	
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OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-104
Revised 10-01-78
Format 06-01-83
Page 1

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I.

Operator Zia Energy, Inc.	
Address P.O. Box 2219, Hobbs, N.M. 88240	
Reason(s) for filing (Check proper box)	Other (Please explain)
<input type="checkbox"/> New Well <input checked="" type="checkbox"/> Recompletion <input type="checkbox"/> Change in Ownership	Change in Transporter of: <input type="checkbox"/> Oil <input type="checkbox"/> Casinghead Gas <input type="checkbox"/> Dry Gas <input type="checkbox"/> Condensate

If change of ownership give name
and address of previous owner _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name New Mexico 'M' State	Well No. 49	Pool Name, including Formation Blinebry	Kind of Lease XXXXXXX State	Lease No. B-934
Location Unit Letter J : 2160 Feet From The South Line and 2310 Feet From The East Line of Section 18 Township 22S Range 37E , NMPM, Lea County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS


Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Permian	Address (Give address to which approved copy of this form is to be sent) P.O. Box 1183, Houston, TX 77001
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/> Texaco Producing Inc.	Address (Give address to which approved copy of this form is to be sent) P.O. Box 1650, Tulsa, OK 74102
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. P 18 22S 37E
Is gas actually connected?	When Yes 9/1/78

If this production is commingled with that from any other lease or pool, give commingling order number: _____

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.


(Signature)
Engineer
(Title)
2/23/88
(Date)

OIL CONSERVATION DIVISION

APPROVED **FEB 26 1988**, 19_____
BY **Paul Kartz**
TITLE **Geologist**

This form is to be filed in compliance with RULE 1104.
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.
All sections of this form must be filled out completely for allowable on new and recompleted wells.
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.
Separate Form C-104 must be filed for each pool in multiply completed wells.

IV. COMPLETION DATA

Designate Type of Completion - (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		XX					XX		XX
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.			
7-30-78	2-12-88		6730'			6085'			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth			
3427 KB	Blinebry		5467'			5985'			
Perforations						Depth Casing Shoe			
5467' - 5986' (31 Holes)						6719'			
TUBING, CASING, AND CEMENTING RECORD									
HOLE SIZE		CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
12 1/4"		8 5/8"		1073 Ft.		620 SX CLRC			
7 7/8"		5 1/2"		6719 Ft.		1260 SX EST. Top 1200'			

V. TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
2-13-88	2-23-88	Pump	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
24 Hrs.	NA	25 Psi	NA
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF
31	13	18	30

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

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OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

5a. Indicate Type of Lease

State ☒ Fee ☐

5. State Oil & Gas Lease No.

B-934

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL ☒

GAS WELL ☐

OTHER ☐

1. Name of Operator

Zia Energy, Inc.

2. Address of Operator

P.O. Box 2219, Hobbs, NM 88240

3. Location of Well

UNIT LETTER J 2160 FEET FROM THE South LINE AND 2310 FEET FROM
THE East LINE, SECTION 18 TOWNSHIP 22S RANGE 37E NMPM.

7. Unit Agreement Name

8. Farm or Lease Name

New Mexico 'M' St

9. Well No.

~~2~~ 449

10. Field and Pool, or Wildcat

Blinebry

15. Elevation (Show whether DF, RT, GR, etc.)

3427 KB

12. County

Lea

6.

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

TEMPORARILY ABANDON ☐

PULL OR ALTER CASING ☐

PLUG AND ABANDON ☐

CHANGE PLANS ☐

OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒

COMMENCE DRILLING OPNS. ☐

CASING TEST AND CEMENT JOBS ☐

OTHER ☐

ALTERING CASING ☐

PLUG AND ABANDONMENT ☐

7. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1. Started work 2-10-88. RU PU. Install BOP.
2. RU Wireline. Tagged fill at 6011'. Perforate Blinebry from 5467-5986(31 Holes
3. RIH w/BP & PKR. Straddle perfs. 5984-86'. Treat w/1000 gal 15% Acid. Broke at 2000 psi. ISIP 1200, 5 Min SIP. 1100. Straddle perfs 5732-34'. Treat w/1000 gals acid. Broke at 2800 psi. ISIP 1400, 5 Min. 1250. Straddle perfs 5536-55'. Treat w/5000 gals Acid. Broke at 1650. Dropped 16 Balls. ISIP 1100, 5 Min 1050. Straddle perfs 5467-5516'. Treat w/5000 gals acid. Broke at 1550. Dropped 15 Balls. Pressure incr. of 75-200 psi. ISIP 1100, 5 min. 1100.
4. POH w/tools. RIH w/tbg., pump & rods. Start testing 2-12-88.
5. 24 Hr. test ending 2-23-88, 13 BOPD, 18 BWPD, 30 MCFPD.

8. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED

DE Bratton

TITLE

Engineer

DATE

2-23-88

PROVED BY

Orig. Signed by
Paul Kautz

TITLE

Geologist

DATE

CONDITIONS OF APPROVAL:

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease	
LEASE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		8. Farm or Lease Name New Mexico 'M' State	
c. Name of Operator Zia Energy, Inc.		9. Well No. 49	
3. Address of Operator P.O. Box 2219, Hobbs, NM 88240		10. Field and Pool, or Wildcat Blinebry	
1. Location of Well UNIT LETTER J LOCATED 2160 FEET FROM THE South LINE AND 2310 FEET FROM THE East LINE OF SEC. 18 TWP. 22S R. 37E N.M.P.M.		11. County Lea	
19. Proposed Depth		19A. Formation Blinebry	
21. Elevations (Show whether DE, RI, etc.) 3427' KB		20. Rotary or C.T. -	
21A. Kind & Status Plug Bond One Well Bond, 7/87 -		22. Approx. Date Work will start 2-10-88	

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4 "	8 5/8 "	24#	1073	620 SX	Circ.
7 7/8"	5 1/2 "	14, 15.5 #	6719	1260 SX	1200'

1. Well TA in San Andres.
2. RU Pulling Unit. Install BOP.
3. RU Wireline Company. Perforate from 5467-5986' (Blinebry - 33 holes).
4. RIH with bridgeplug and packer. Straddle perfs 5984-86'. Treat with 1000 gals of 15% NEFE acid. Straddle perfs 5732-34'. Treat with 1000 gals of acid. Straddle perfs 5555-5636'. Treat with 5000 gals of acid using 7/8" balls. Straddle perfs. 5467-5516'. Treat with 5000 gals of acid using 7/8" balls.
5. POH with Bridgeplug and packer.
6. RIH with tubing, pump, and rods.
Hang well on and place on test.

IF ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed DE Bratter Title Engineer Date 2-22-88

(This space for State Use)
Orig. Signed by
Paul Kautz
Geologist

APPROVED BY _____ TITLE _____ DATE FEB 26 1988

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OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-

5a. Indicate Type of Lease
State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.
B-934

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER-	7. Unit Agreement Name
2. Name of Operator Zia Energy, Inc.	8. Farm or Lease Name New Mexico 'M' St
3. Address of Operator P.O. Box 2219, Hobbs, N.M. 88240	9. Well No. 49
4. Location of Well UNIT LETTER J 2160 FEET FROM THE South LINE AND 2310 FEET FROM THE East LINE, SECTION 18 TOWNSHIP 22S RANGE 37E NMPM.	10. Field and Pool, or Wildcat Arrowhead Graybur
15. Elevation (Show whether DF, RT, GR, etc.) 3427' KB	12. County Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1. RU Well Service Unit. POH with rods, pump, tubing, and packer.
2. RU Wireline. RIH with 5 1/2" CIBP. Set above Drinkard perms. (6432-6578') at 6359'. Dump 35' of cmt on plug with dump bailer.
3. RIH with second CIBP. Set above Tubb perms (6140-6262') at 6120'. Dump 35' of cmt on plug with dump bailer.
4. Perf San Andres from 3828-3842'. Treat with 500 gals acid. Place well on pump. Pump test 500 BWPD, 2 BOPD & 40 MCF. Perf 3909'. Swabbed wtr.
5. RIH with cmt Retainer.. Set retainer at 3800'. Squeeze perms 3828-3909' with 300 sx cmt. Squeeze to 1500 psi. Reversed 75 sx to pit.
6. RU reverse unit. Drill out retainer & cmt. Tst squeeze to 500 psi, Held.
7. Shut-in pending evaluation.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED De Brath TITLE Engineer DATE 2-9-88

ORIGINAL SIGNED BY JERRY SEXTON

APPROVED BY DISTRICT I SUPERVISOR

TITLE DATE 2-10-88

CONDITIONS OF APPROVAL, IF ANY:

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1

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5a. Indicate Type of Lease
State ☒ Fee ☐

5. State Oil & Gas Lease No.
B-934

SUNDRY NOTICES AND REPORTS ON WELLS

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2. Name of Operator Zia Energy, Inc.	8. Farm or Lease Name New Mexico 'M' State
3. Address of Operator P.O. Box 2219 Hobbs, N.M. 88240	9. Well No. 49
4. Location of Well UNIT LETTER J 2160 FEET FROM THE South LINE AND 2310 FEET FROM THE East LINE, SECTION 18 TOWNSHIP 22 S RANGE 37 E N.M.P.M.	10. Field and Pool, or Wildcat Arrowhead Grayburg SA
15. Elevation (Show whether DF, RT, GR, etc.) 3427' KB	12. County Lea

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NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☒
TEMPORARILY ABANDON ☐
PULL OR ALTER CASING ☐
OTHER ☐

PLUG AND ABANDON ☐
CHANGE PLANS ☐
OTHER ☐

REMEDIAL WORK ☐
COMMENCE DRILLING OPNS. ☐
CASING TEST AND CEMENT JOBS ☐
OTHER ☐

ALTERING CASING ☐
PLUG AND ABANDONMENT ☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Zia Energy, Inc. plans to set plugs and permanently abandon the wellbore below the top of the Tubb formation, as described below, and to recompleate in the San Andres formation.

1. RU Well Service Unit. POH with rods, pump, tubing, and packer.
2. RU Wireline Company. RIH with 5 1/2" CIBP. Set plug above Drinkard perfs (6432-6578') at 6350'. Place 35' of cement on plug with dump bailer. Top of plug at 6315'. RIH with CIBP. Set second plug above Tubb perfs (6140-6262') at 6120'. Place 35' of cement on plug with dump bailer. Top of second plug at 6085'.
3. Perf 5 1/2" csg from 3820' to 3870' with 20 holes. RD wireline.
4. RIH with Packer on 2 7/8" tbg and set above perfs. Treat perfs with 1500 gals acid.
5. POH with tbg and packer.
6. RIH with production tbg, pump, and rods to 4000'.
7. Place well on test.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Eddie W. Seay TITLE Engineer DATE 10-05-87

APPROVED BY Oil & Gas Inspector TITLE DATE

CONDITIONS OF APPROVAL, IF ANY: