

NSL 12/14/98



KOCH EXPLORATION COMPANY

November 20, 1998

Ms. Lori Wrotenbery, Director
New Mexico Oil Conservation Division
2040 S. Pacheco Street
P.O. Box 6429
Santa Fe, NM 87505

NOV 23 1998

Application for Unorthodox Location
Carle 2 Well
777' FNL, 1835' FEL
Section 20-30N-R11W
N/2 Spacing Unit
Blanco Mesaverde Pool
San Juan County, New Mexico

Koch Exploration Company hereby requests administrative approval for an unorthodox well location for the Carle 2 well in the Blanco Mesaverde Pool. Koch intends to deepen this existing well at an unorthodox location from the Pictured Cliff formation to access reserves which would otherwise be bypassed with the current well density. The unorthodox location resulted from a township resurvey conducted by the BLM in 1974 after the well was drilled causing the northern section line to be redrawn south of original layout. As such, this proposed well will be located slightly less than the standard 790' setback from the outer boundary of the spacing unit.

A copy of this application will be submitted to the offset operators by certified mail with a request that they furnish your Santa Fe office with a Waiver of Objection, and return one copy to this office. Attached are plats showing the location of the well, offset operators, and all Mesaverde wells drilled in the area.

Sincerely,

Lance F. Harmon
Land Manager

Attachments

cc: Ernie Busch
NMOCD - Aztec District
1000 Rio Brazos Road
Aztec, NM 87410

Doug Van Brunt, Koch
Don Johnson, Koch
Stan Bennett, Koch

Waiver

_____ hereby waives objection to Koch's application for an unorthodox well location for the Carle 2 well described above.

By: _____

Date: _____

I:\sanjuan\apd_wavier.doc

APPLICATION FOR APPROVAL OF UNORTHODOX LOCATION UNDER RULE 104-F

Carle 2 Well
777' FNL, 1635' FSL, Section 20-T30N-R11W
Blanco Mesaverde Pool

ATTACHMENTS

- 9-SECTION PLAT SHOWING LOCATION OF ALL OFFSET WELLS
- FORM C-102 FOR MESAVERDE FORMATION
- LIST OF ALL OFFSET OPERATORS AND THEIR ADDRESSES

LIST OF ADDRESSES FOR OFFSET OPERATORS

CARLE 2

- 1) Burlington Resources Oil and Gas Co.
P.O. Box 4289
Farmington, NM 87499

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, N.M. 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Artesia, N.M. 87410

DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

P.O. 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		Pool Code		Pool Name	
Property Code		Property Name CARLE			Well Number 2
OGRID No.		Operator Name KOCH EXPLORATION			Elevation 5721'

¹⁰ Surface Location

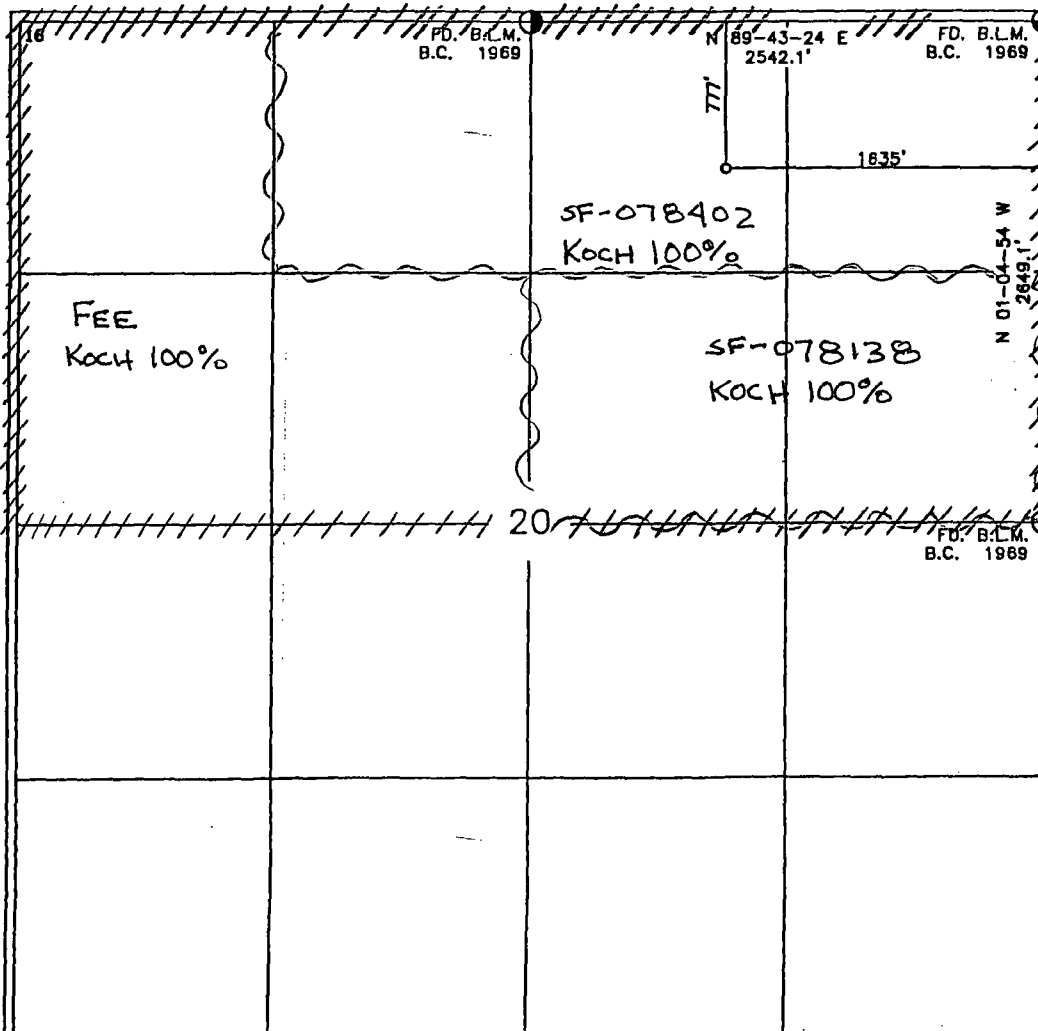
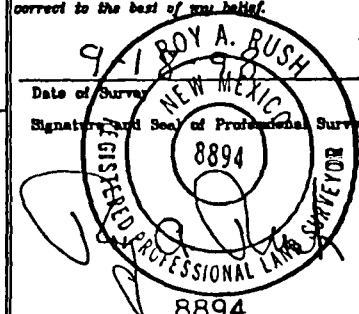
UL or lot no. B	Section 20	Township 30-N	Range 11-W	Lot Idn	Feet from the 777	North/South line NORTH	Feet from the 1635	East/West line EAST	County SAN JUAN
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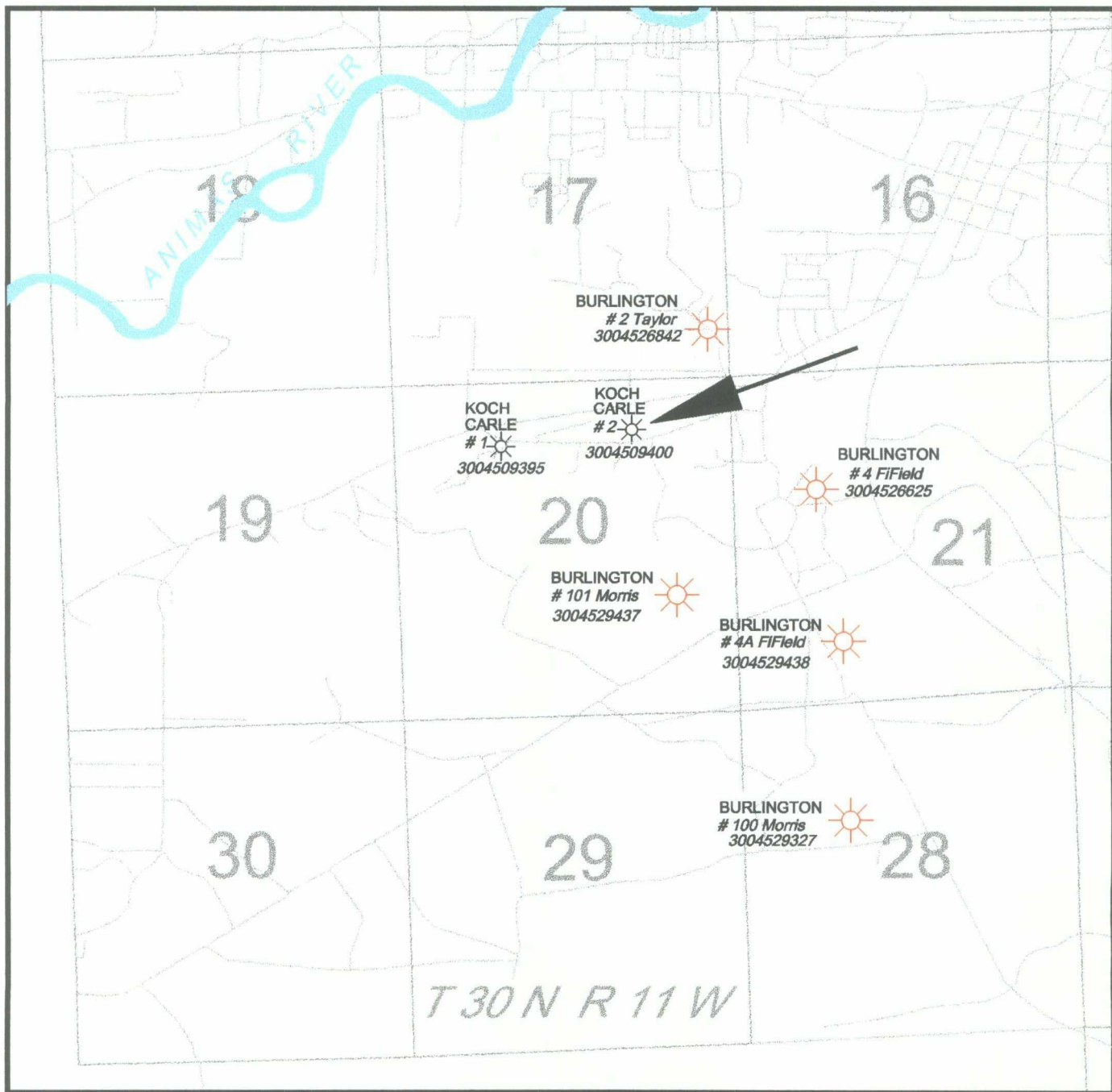
¹¹ Bottom Hole Location If Different From Surface

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

Dedicated Acres	Joint or Infill	Consolidation Code	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

		17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature: <u>Doug Van Buren</u> Printed Name: <u>DOUG VAN BUREN</u> Title: <u>PROJECT MANAGER</u> Date: <u>11/19/98</u>	
		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: <u>9/1</u> Signature and Seal of Professional Surveyor: <u>ROY A. BUSH</u> Certificate Number: <u>8894</u>	



KOCH
EXPLORATION CO.

AZTEC AREA
San Juan County, New Mexico

ADMINISTRATIVE APPLICATION
CARLE #2 PROJECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

6. LEASE DESIGNATION AND SERIAL NO.

SE-078402-A

7. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

7. UNIT AGREEMENT NAME

NA

8. FARM OR LEASE NAME

CABLE

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

AZTEC PICTURED CLIFFS

11. SEC., T., R., M., OR S.W. AND SURVEY OR AREA

20-T-30N-R-11W

12. COUNTY OR PARISH 13. STATE

SAN JUAN

NM

OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

KOCH EXPLORATION COMPANY

3. ADDRESS OF OPERATOR

3605 N. DUSTIN, FARMINGTON, NEW MEXICO 87401

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

See also space 17 below.)

At surface

810'FNL & 1585'FEL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, ST, GR, etc.)

KB-5731

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANE

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) TURN WELL ON AFTER SI PERIOD

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

17. 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.)*

THIS WELL HAD BEEN SHUT IN FOR NEARLY A YEAR. ON MAY 1, 1990 elpaso NATURAL GAS COMPANY GAVE PERMISSION TO TURN THE WELL ON TO HELP SUPPLY THE MARKET DEMAND.

RECEIVED
JUN 25 1990
OIL CON. DIV.
DIST. 2

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

SIGNED

Robert H. Eickert

TITLE DIST. PROD. SUPT.

DATE MAY 9, 1990

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

NMCCD

ACCEPTED FOR RECORD

DATE

JUN 14 1990

*See Instructions on Reverse Side

FARMINGTON RESOURCE AREA

BY

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

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—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

SE-078138/SE-078402-A
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

AZTEC PICTURED CLIFFS
11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

20-T-30N-R-11W

12. COUNTY OR PARISH 13. STATE

SAN JUAN NM.

OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

KOCH EXPLORATION COMPANY

3. ADDRESS OF OPERATOR

3605 N.DUSTIN-FARMINGTON, NEW MEXICO 87401

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

See also space 17 below.)

At surface

790' FNL & 1650' FEL

14. PERMIT NO.

15. ELEVATIONS (Show whether OF, XT, CR, etc.)

KB-5731

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

RELL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) REASON FOR WELL BEING SHUT

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

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

17. 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.)

This letter is in response to your letter of April 9, 1990 concerning our Carle #2 well. Communitization Agreement NO. 14-08-001-1153, San Juan County, New Mexico.

The reason for the well being shut in for so long is the poor market demand and the gas purchasing company not seeing fit to take any gas from this well.

Due to these conditions we are requesting a six month shut in period, you will be notified as soon as the well is returned to production.

RECEIVED
MAY 04 1990

OIL CON. DIV.
DIST. 1

THIS APPROVAL EXPIRES NOV 01 1990

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

SIGNED

Delores St. Edward

TITLE DIST. PROD. SUPT.

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

NMOCD

APPROVED April 28 1990

APR 30 1990

Ken Townsend
AREA MANAGER

*See Instructions on Reverse Side

DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRORATION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-81

Operator Koch Exploration Company	
Address P. O. Box 2256 Wichita, Kansas 67201	
Reason(s) for filing (Check proper box)	
New Well <input type="checkbox"/>	Change In Transporter of:
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/>
Change In Ownership <input checked="" type="checkbox"/>	Casinghead Gas <input type="checkbox"/>
	Dry Gas <input checked="" type="checkbox"/>
	Condensate <input type="checkbox"/>
Other (Please explain) Correction of Operator	

If change of ownership give name and address of previous owner KOCH INDUSTRIES INC. P.O. BOX 2256, WICHITA, KANSAS 67201

II. DESCRIPTION OF WELL AND LEASE

Lease Name Carle	Well No. #2	Pool Name, including Formation Aztec, Pictured Cliffs	Kind of Lease State, Federal or Fee Federal	Lease No. SF-078138
Location				
Unit Letter B	: <u>810</u>	Feet From The <u>290</u>	North Line and <u>1585</u>	Feet From The <u>1580</u> East
Line of Section 20	Township 30N	Range 11W	, NMPM, San Juan County	

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
El Paso Natural Gas Co.	P. O. Box 1492, El Paso, Texas
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When

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

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded 7-14-53	Date Compl. Ready to Prod. 8-10-53	Total Depth 2600'	P.B.T.D.					
Elevations (DF, RKB, RT, GR, etc.) GR 5723', KB 5731'	Name of Producing Formation Pictured Cliffs	Top Oil/Gas Pay 2060'	Tubing Depth 2093'					
Perforations 2070-2600' (Open Hole)	Depth Casing Shoe							
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
14-3/4"	10-3/4"	155'	125 SX					
8-3/4"	7"	2070'	175 SX					

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(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.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

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

VI. CERTIFICATE OF COMPLIANCE

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

Vernon J. Lowe

(Signature)

Operations Manager

(Title)

May 25, 1983

(Date)

OIL CONSERVATION COMMISSION

APPROVED

BY

TITLE

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 Forms C-104 must be filed for each pool in multiply completed wells.

NO. OF COPIES RECEIVED		5
DISTRIBUTION		
SANTA FE		1
FILE		1
U.S.G.S.		
LAND OFFICE		
TRANSPORTER	OIL	
	GAS	1
OPERATOR		2
PRORATION OFFICE		

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

1968 JUL 18

Operator Koch Industries, Inc. f/k/a Rock Island Oil & Refining Co., Inc.	
Address P. O. Box 2256, Wichita, Kansas 67201	
Reason(s) for filing (Check proper box)	Other (Please explain)
New Well <input type="checkbox"/>	Change of Corporation Name
Recompletion <input type="checkbox"/>	
Change in Ownership <input type="checkbox"/>	
Change in Transporter of: Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/> Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>	

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Carle	Well No. 2	Pool Name, Including Formation Aztec Pictured Cliffs	Kind of Lease State, Federal or Fee Federal
Location Unit Letter B ; 790 Feet From The North Line and 1650 Feet From The East Line of Section 20 , Township 30N Range 11W , NMPM, San Juan County			

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)	
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)	
If well produces oil or liquids, give location of tanks.	Unit	Sec.
	Twp.	Rge.
	Is gas actually connected?	When

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

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Pool	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(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.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

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

VI. CERTIFICATE OF COMPLIANCE

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

E.R. Johnson
(Signature)

Landman

(Title)

July 16, 1968

(Date)

OIL CONSERVATION COMMISSION

JUL 18 1968

APPROVED

BY

TITLE **PETROLEUM ENGINEER DIST. NO. 7**

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 Sections I, II, III, and VI only for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Form C-110
Revised 7/1/55

(File the original and 4 copies with the appropriate district office)

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

Company or Operator ROCK ISLAND OIL & REFINING CO., INC. / Lease Carle

Well No. 2 Unit Letter B S 20 T 30 R 11 Pool Aztec Pictured Cliffs

County San Juan Kind of Lease (State, Fed. or Patented) Federal

If well produces oil or condensate, give location of tanks: Unit S T R

Authorized Transporter of Oil or Condensate _____

Address _____

(Give address to which approved copy of this form is to be sent)

Authorized Transporter of Gas El Paso Natural Gas Company

Address Box 1492, El Paso, Texas Date Connected 11-29-53

(Give address to which approved copy of this form is to be sent)

If Gas is not being sold, give reasons and also explain its present disposition:

Reasons for Filing: (Please check proper box) New Well ()

Change in Transporter of (Check One): Oil () Dry Gas () C'head () Condensate ()

Change in Ownership () Other (x)

Remarks: _____ (Give explanation below)

Rock Island Oil & Refining Co., Inc.
Formerly
Wood River Oil & Refining Co., Inc.

Name change only

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 15th day of September 19 59

By A. H. Ruppel

Approved OCT 5 1959 19 59

Title Production Department

OIL CONSERVATION COMMISSION

Company Rock Island Oil & Refining Co., Inc.

By A. R. Goodrich

Address 321 W. Douglas, Wichita, Kansas

Title _____

NEW MEXICO
OIL CONSERVATION COMMISSION

Gas Well Plat WR 1111

MAIN OFFICE 000

Date May 6, 1954

WOOD RIVER OIL & REFINING CO., INC. CARLE No. 2
Operator Lease Well No.

Name of Producing Formation Pictured Cliffs Pool Aztec PC

No. Acres Dedicated to the Well 160

Indicate land status and show ownership Federal - Wood River Oil & Ref. Co., Inc. All

SECTION 20 TOWNSHIP 30 N RANGE 11 W

		8/10 0	15 1/2

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

Name Warren F. Siler

Position Representative

Representing Wood River Oil & Refining Co., Inc.

Address 321 W. Douglas, Wichita 2, Kansas

(over)

NEW MEXICO
OIL CONSERVATION COMMISSION

Gas Well Plat WR 1111

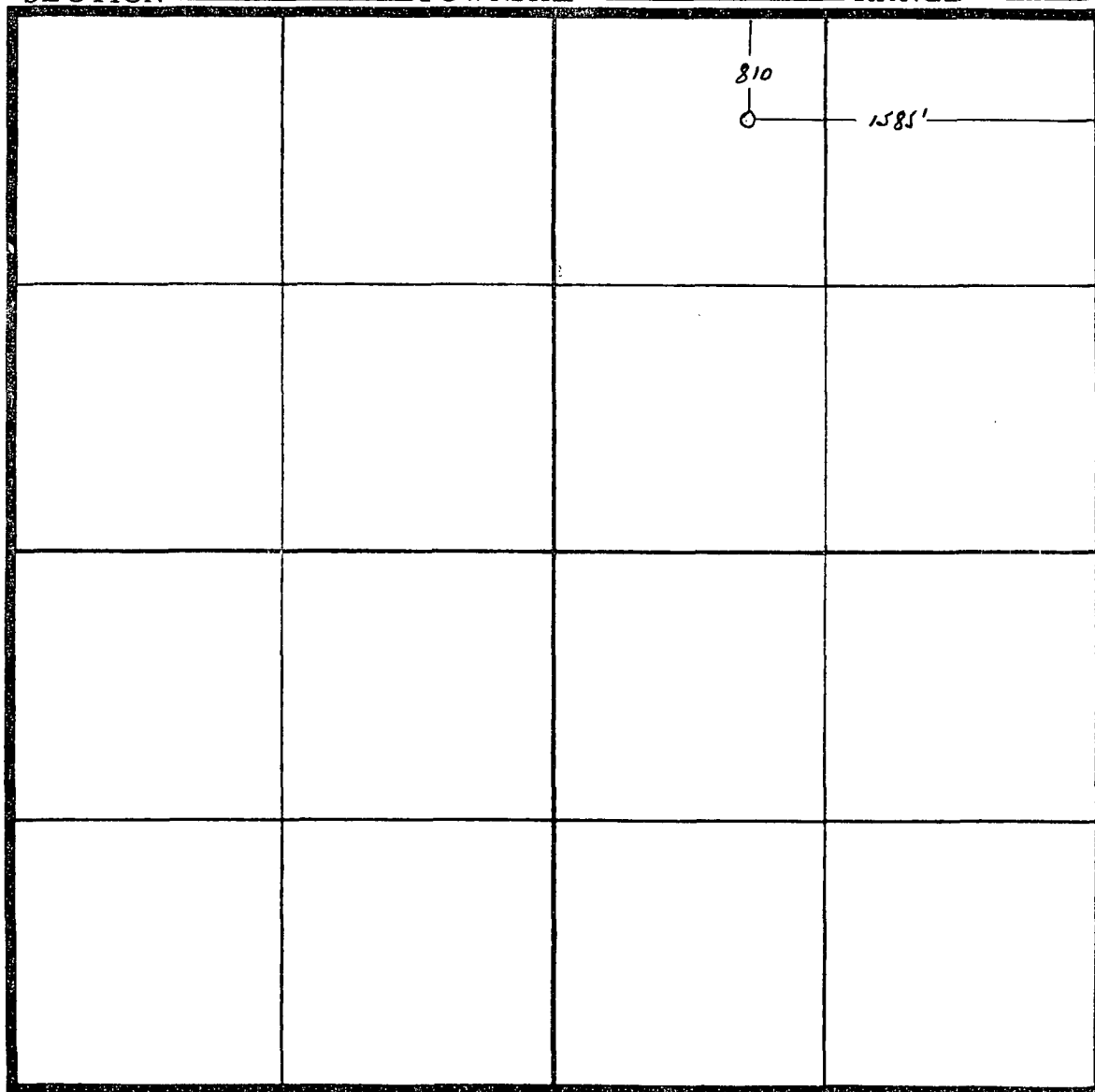
Date October 12, 1953

Wood River Oil & Refining Co., Inc. Carle No. 2
Operator Lease Well No.

Name of Producing Formation Pictured Cliffs Pool Aztec PC

No. Acres Dedicated to the Well 160

SECTION 20 TOWNSHIP 30 N RANGE 11 W



Name *B. L. Long*

Position Representative

Representing Wood River Oil & Refining Co., Inc.

Address 321 West Douglas, Wichita 2, Kansas

(over)

It is necessary that Form C-104 be approved before this form can be approved and an initial allowable be assigned to a completed oil or gas well.

NEW MEXICO OIL CONSERVATION COMMISSION

WR 1111
SF 0784

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL and Natural Gas

Company or Operator Wood River Oil & Refining Co., Inc. Lease Carle No. 2

Address 321 West Douglas Wichita, Kansas
(Local or Field Office) (Principal Place of Business)

Unit 160A Wells No. 2 Sec. 20 T. 30N R. 11W Pool Aztec Pc. County Sal

Kind of Lease Gas Location of Tanks

Transporter El Paso Natural Gas Co. Address of Transporter Farmington, New Mexico
(Local or Field Office)

El Paso, Texas Gas
(Principal Place of Business) Percent of 100% to be transported. 100% Other transporter

to transport oil from this unit are

REMARKS:

Reason for Filing: New Well

The undersigned certifies that the rules and regulations of the Oil Conservation Commission have been complied with except as noted above and that gathering agent is authorized to transport the percentage of oil produced from the above described property and that this authorization will be valid until further notice to the transporter herein or until cancelled by the Oil Conservation Commission of New Mexico.

Executed this the 4th day of September

Wood River Oil & Refining Co., Inc.
(Company or Operator)

By A. H. Love

Title Representative

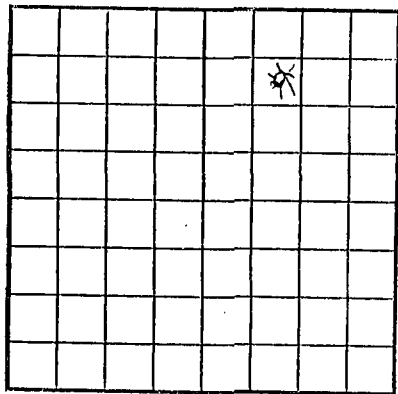
Approved: 9-7, 1953

OIL CONSERVATION COMMISSION

By George C. Arnold

Oil and Gas Inspector

(See Instructions on Reverse Side)



U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **078402**
LEASE OR PERMIT TO PROSPECT **Lse**
Carle No. 2

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Wood River Oil & Refining Co. Inc.** Address **321 West Douglas Wichita 2, Kansas**
Lessor or Tract **Carle SF 078402** Field **Aztec PC** State **New Mexico**
Well No. **2** Sec. **20** T. **30N** R. **11W** Meridian **NMPM** County **San Juan**
Location **790 ft. {N} of N Line and 1650 ft. {E} of E Line of Sec. 20** Elevation **5713.0**
(Datum: floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed *[Signature]*
Date **August 12, 1953** Title **Representative**

The summary on this page is for the condition of the well at above date.

Commenced drilling **7-14**, 19**53** Finished drilling **7-30**, 19**53**

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from **20 75.0** to **2600 7.61** No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
10-3/4 7	36# 20#			155 2070					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7" 10 3/4"	20# 36#	175 125	Halliburton "		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		SNG	310		2080 -	2161

TOOLS USED

Rotary tools were used from **0** feet to **2070** feet, and from _____ feet to _____ feet
Cable tools were used from **2070** feet to **2600** feet, and from _____ feet to _____ feet

DATES

August 11, 19**53** Put to producing _____, 19____

The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours **3,020,000** Gallons gasoline per 1,000 cu. ft. of gas _____

FOLD | MARK

No. 1, from _____ to _____ No. 2, from _____ to _____ No. 3, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per foot	Make	Amount	Kind of steel	Cost and weight of cement	Perforated
10-3/4 7	36# 20#			165 2070			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7" 10 3/4"	20# 36#	175 125	Halliburton "		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		SNG	310		2080 -	2161

TOOLS USED

Rotary tools were used from -0- feet to 2070 feet, and from _____ feet to _____ feet
Cable tools were used from 2070 feet to 2600 feet, and from _____ feet to _____ feet

DATES

August 11, 1953 Put to producing _____, 19____

The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours 3,020,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 451 (SICP)

EMPLOYEES

R. C. Winham _____, Driller J. L. Copeland _____, Driller
B. B. McClain _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	125	125	
125	163	38	Shale & Sand Stone
163	320	157	Sand & Shale
320	446	126	Hard Sand
446	747	301	Alario Sand & Shale
747	828	81	Sand & shale
828	1068	240	"
1068	1355	287	"
1355	1616	261	"
1616	1834	217	"
1834	2020	186	Shale, Sand & Coal
2020	2075	55	"
2075	2600-	525-	Pictured Cliffs Sand
	2161	86	
	2161 TR		

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
5012	5012	25	
5050	5012	38	
1914	5050	100	
1912	1937	811	
1932	1912	391	
1026	1937	391	
850	1000	510	
141	989	91	
140	141	201	
250	140	150	
103	250	121	
130	103	38	
0	130	130	

FROM—	TO—	TOTAL FEET	FORMATION
-------	-----	------------	-----------

FORMATION RECORD			
1914	1914	100	
1912	1912	391	

ENVELOPES			
1914 1914 100 391			
1912 1912 391 391			

LOGS USED			
1914	1914	100	
1912	1912	391	

SHOOTING RECORD			
1914	1914	100	
1912	1912	391	

SHOOTING AND CEMENTING RECORD			
1914	1914	100	
1912	1912	391	

HISTORY OF OIL			
It is of the greatest importance to have a complete history of the well with the reasons for the work and its results. If there is a "sidetracked" or left in the well, give its size and location of shots. If plugs or bridges were put in to test the well, give the location and depth of each plug or bridge.			
7-14-53	Banner	set	set
7-16-53			

REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well
Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Wichita, Kansas August 24, 1953
(Place) (Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

Wood River Oil & Refining Co., Inc. Carle Well No. 2, in NW 1/4 NE 1/4,
(Company or Operator) (Lease)

160 Acre, Sec. 20, T. 30 N., R. 11 W., NMPM, Aztec PC Pool
(Unit)

San Juan County. Date Spudded. 7-11-53, Date Completed 7-30-53

Please indicate location:

		*	

20-30N-11W

Casing and Cementing Record

Size Feet Sax

10-3/4	155'	125
7	2070'	175

Elevation. 5713 Total Depth. 2600, P.B.

Top oil/gas pay. 2060' Prod. Form Pictured Cliffs

Casing Perforations: None or

Depth to Casing shoe of Prod. String. 2070'

Natural Prod. Test. 1,000,000 cu. ft. per day BOPD

based on. bbls. Oil in. Hrs. Mins.

Test after acid or shot. 3,020,000 cu. ft. per day BOPD

Based on. bbls. Oil in. Hrs. Mins.

Gas Well Potential. 3,020,000 cu. ft. per day

Size choke in inches.

Date first oil run to tanks or gas to Transmission system:

Transporter taking Oil or Gas: El Paso Natural Gas Co., El Paso, Texas

Remarks:

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

Approved. August 27, 1953.

WOOD RIVER OIL & REFINING CO., INC.

(Company or Operator)

By: P. H. Love
(Signature)

By: John J. Chendachan

Title. Representative

Send Communications regarding well to:

Title Oil and Gas Inspector Dist. #3.

Name WOOD RIVER OIL & REFINING CO., INC.

Address. 321 West Douglas, Wichita 2, Kansas

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. 078402-A
Unit Carle No. 2
Big Unit NE 1/4

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	<input type="checkbox"/>
NOTICE OF INTENTION TO CHANGE PLANS	<input type="checkbox"/>	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	<input type="checkbox"/>
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	<input type="checkbox"/>	SUBSEQUENT REPORT OF ALTERING CASING	<input type="checkbox"/>
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	<input type="checkbox"/>	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	<input type="checkbox"/>
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	<input type="checkbox"/>	SUBSEQUENT REPORT OF ABANDONMENT	<input type="checkbox"/>
NOTICE OF INTENTION TO PULL OR ALTER CASING	<input type="checkbox"/>	SUPPLEMENTARY WELL HISTORY	<input type="checkbox"/>
NOTICE OF INTENTION TO ABANDON WELL	<input type="checkbox"/>		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Wichita, Kansas June 18, 1953

Well No. 2 is located 790 ft. from N line and 1650 ft. from E line of sec. 20

NE 1/4
(1/4 Sec. and Sec. No.)

30 N
(Twp.)

11 W
(Range)

R4PM
(Meridian)

(Field)

San Juan
(County or Subdivision)

OIL COMPANY NEW MEXICO
SAN JUAN COUNTY, N.M.

The elevation of the derrick floor above sea level is 5707 ft. ^{Gr.}

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudlogging jobs, cementing points, and all other important proposed work)

We plan to set approximately 125' of 10" casing and approximately 2150' of 7" 20# seamless casing on top of Pictured Cliffs formation; drill in with cable tools and shoot with approximately 100 qts. of SAG and complete for production after receiving 2" tubing.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company WOOD RIVER OIL & REFINING CO., INC.

Address 321 West Douglas

Wichita 2, Kansas

By AP Lone

Title Representative

Company.....Wood River Oil & Refining Co., Inc.....

Lease.....Carle.....Well No.....2.....

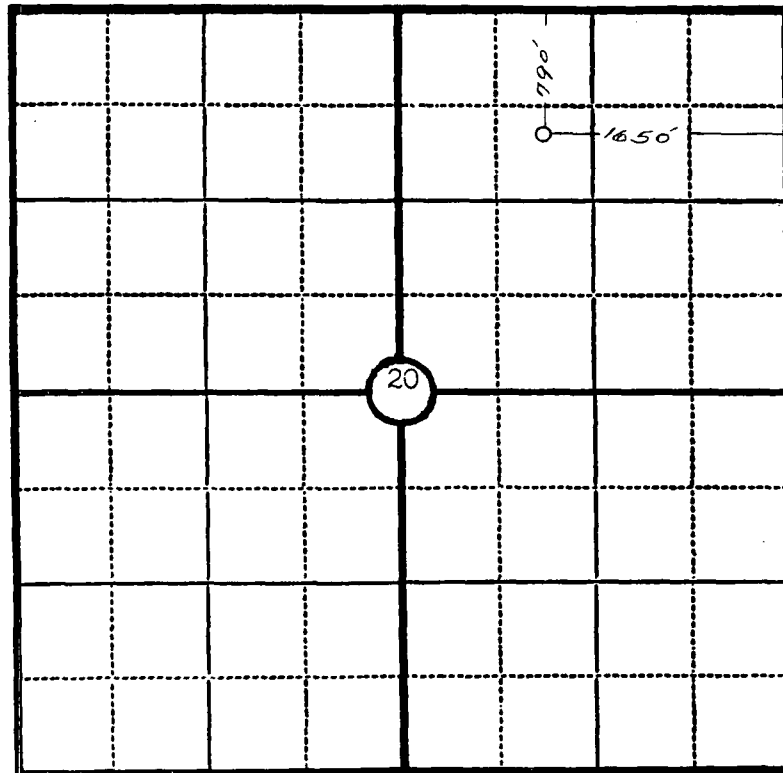
Sec.....20....., T.....30 N....., R.....11 W..... N.M.P.M.....

Location.....790' from the North line and 1650' from
the East line.

Elevation.....5713 Ungraded ground.....

San Juan County

New Mexico



Scale—4 inches equal 1 mile.

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Ernest V. Echohawk

Seal:

Registered Professional
Engineer and Land Surveyor.

Ernest V. Echohawk
N. Mex. Reg. No. 1545

SurveyedJune 24....., 19 53.....

CMD :.
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

11/24/98 13:26:56
OGOIV -EMF3
PAGE NO: 1

Sec : 20 Twp : 30N Rng : 11W Section Type : NORMAL

D 40.00	3 39.59	2 38.53	1 38.73
Fee owned	Federal owned A	Federal owned A	Federal owned
E 40.00	F 40.00	4 39.00	5 39.20
Fee owned	Fee owned	Federal owned	Federal owned

PF01 HELP
PF07 BKWD

PF02
PF08 FWD

PF03 EXIT
PF09 PRINT

PF04 GoTo
PF10 SDIV

PF05
PF11

PF06
PF12

80.00
79.59
159.59
155.46
315.05

77.83

77.93
77.53
155.46

CMD :.
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

11/24/98 13:27:05
OGOIV -EMF3
PAGE NO: 2

' Sec : 20 Twp : 30N Rng : 11W Section Type : NORMAL

L 40.00 Fee owned	K 40.00 Fee owned	J 40.00 Fee owned	6 39.76 Federal owned A A
7 39.61 Federal owned	8 39.76 Federal owned	O 40.00 Fee owned	9 40.24 Federal owned A

PF01 HELP
PF07 BKWD

PF02
PF08 FWD

PF03 EXIT
PF09 PRINT

PF04 GoTo
PF10 SDIV

PF05
PF11

PF06
PF12

CMD :-
OG6C101

ONGARD
C101-APPLICATION FOR PERMIT TO DRILL

11/24/98 13:27:35
OGOIV -EMF3

ÓGRID Idn : 12807 API Well No: 30 45 9400 APD Status(A/C/P): A
Opr Name, Addr: KOCH EXPLORATION CO Aprvl/Cncl Date : 01-01-1900
PO BOX 2256
WICHITA, KS 67201

Prop Idn: 5656 CARLE

Well No: 2

	U/L	Sec	Township	Range	Lot	Idn	North/South	East/West
	---	---	-----	-----	-----	-----	-----	-----
Surface Locn :	2	20	30N	11W			FTG 999 F S	FTG 999 F E
OCD U/L :	B		API County :	45				

Work typ(N/E/D/P/A) : N Well typ(O/G/M/I/S/W/C): G Cable/Rotary (C/R) : R
Lease typ(F/S/P/N/J/U/I): F Ground Level Elevation : 99999

State Lease No: Multiple Comp (Y/N) : S
Prpsd Depth : Prpsd Frmtn :

E7024: Only view is allowed

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 PRINT	PF10 C102	PF11 HISTORY	PF12