

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL 71551

RECEIVED
CIBOLA ENERGY CORP.
DEC 28 1981
O.C.D.
ARTESIA, OFFICE

Type Test <input checked="" type="checkbox"/> Initial FOUR POINT <input type="checkbox"/> Annual <input type="checkbox"/> Special		Test Date 11-8-81	
Company CIBOLA ENERGY Corp.		Location AIR NEW WELL	
Pool WILDCAT <i>San Juan</i>		Unit 2080 FEET	
Completion Date 11-8-81		Total Depth 13,270	
Casing Size 4.500		Perforations From 12,727 To 12,734	
Well No. 2		Farm or Lease Name CARTHEL FEDERAL	
Trq. Size 2.375		Perforations From OPEN To ENDED	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple SINGLE		Packer Set At 12,666	
Producing Thru TUBING		State NEW MEXICO	
Reservoir Temp. °F 205° 12,730		Mean Annual Temp. °F 60	
Baro. Press. - P _a 13.2		County EDDY	
L 12,730		H 12,730	
C _g 0.6089		% CO ₂ 1.389	
% N ₂ 8.271		% H ₂ S 0	
Prover 0		Meter Run 4"	
Taps FLANGE			

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI							2859	68	PACKER		24
1.	4	X	.500	405.	3.7	68	2574	68			1
2.	4	X	.500	405.	22.0	72	2337	66			1
3.	4	X	.500	405.	39.0	73	1985	60			1
4.	4	X	.500	405.	68.0	78	1565	58			1
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mscf/d
1	1.2120	39.34	418.2	.9924	1.2814	1.0271	62.
2	1.2120	95.92	418.2	.9887	1.2814	1.0260	151.
3	1.2120	127.71	418.2	.9877	1.2814	1.0260	201.
4	1.2120	168.63	418.2	.9831	1.2814	1.0254	264.
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydration Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1	.63	528.	1.58	.948			0.6089		664	333
2	.63	532.	1.60	.950						
3	.63	533.	1.60	.950						
4	.63	538.	1.61	.951						
5										

NO.	P _r	P _w	P _r ²	P _w ²	P _r ² - P _w ²
1	3769.8	14211.4	14168.3	20198.5	2595.0
2					
3					
4					
5					

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.4425$		(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.4425$	
ACF = C $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 380.8$			

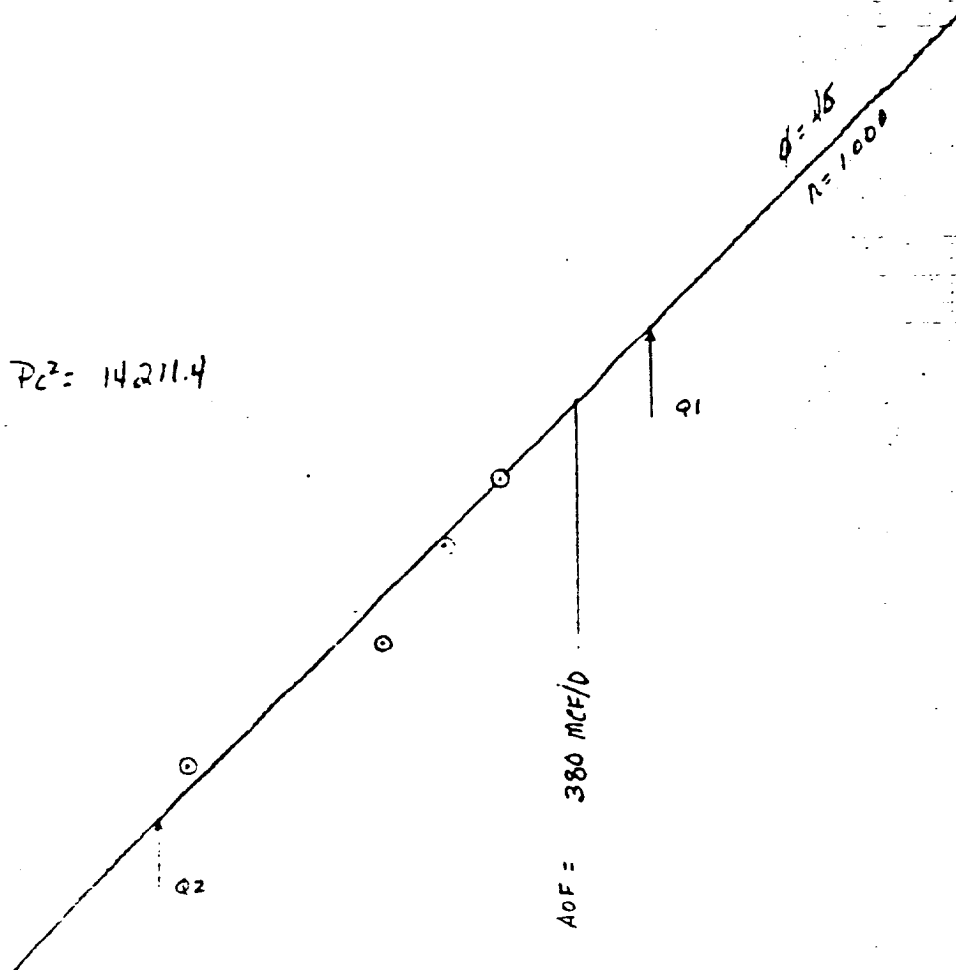
Absolute Open Flow	380.8	Mscf @ 15.025	Angle of Slope	45°	Slope, n	1.000
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Remarks:	
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Approved By Division	Conducted By: DON BENNETT	Calculated By: WOHLFORD & JENKINS	Checked By:
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CIRCLE ANCHOR
 CARTER FEDERAL Well No
 UNIT F, Sec 5, T2N25S, R2E
 Eddy County, New Mexico

Q1 = 540 LOG = 2.732
 Q2 54 LOG = -1.732
 n = 1.000



PC² - PC² in 0.00's

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

NM OIL & GAS
CONS. DIVISION
Artesia, NM 88210

Form approved.
Budget Bureau No. 42-R1424.

C/SF

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.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. NM 0556291	
2. NAME OF OPERATOR Cibola Energy Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P.O. Box 1668, Albuquerque, New Mexico 87103		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2030 FNL & 2080 FEL		8. FARM OR LEASE NAME Carthel Fed	
14. PERMIT NO.		9. WELL NO. 2	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3003.4 Gr.		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 5-23S-29E	
		12. COUNTY OR PARISH Eddy	
		13. STATE NM	

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)	<input checked="" type="checkbox"/> Casing report		<input checked="" type="checkbox"/>

(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.)*

10-3-81 TD 13,275', Ran 38 joints 4 1/2" casing, circulate bottoms up.
Cemented with Halliburton with 160 sacks cement. P.D. at 5:00
AM 10-03-81

RECEIVED
OCT 22 1981

OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

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

SIGNED Roger A. Chapman TITLE Drilling Secretary DATE 10-15-81

(This space for Federal or State use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

*See Instructions on Reverse Side

COUNTY **EDDY** FIELD **Wildcat** STATE **NM**
OPR **CIBOLA ENERGY CORP.** API **30-015-23389**
NO **2** LEASE **Carthel Federal** MAP
Sec 5, T238, R29E CO-ORD
2030 ENL, 2080 FEL of Sec 1-3-33 NM
6 mi NE/Loving SPD 6-18-81 CMP 11-7-81

CSC	WELL CLASS: INITWF FIN WFD LSE CODE			
	FORMATION	DATUM	FORMATION	DATUM
7-30-set				
20-496-700 sx				
13 3/8-2863-4200 sx				
9 5/8-10,249-3900 sx				
7-lnr-9846-12,298-600 sx				
4 1/2-lnr-12,119-13,270-160 sx	13,270 (BRNT)	PBD	12,800	
2 3/8-12,687				

(Morrow) Perfs 12,726-734 SHUT IN GAS WELL

CONTR Ard #1-Y OPERLEV 3003 GL sub-s 11

8-10-81 F.R. 8-17-81
8-17-81 PD 13,400 RT (Morrow)
8-24-81 Drlg 7723 "Tight"
8-31-81 Drlg 10,211 "Tight"
9-28-81 Drlg 11,200 "Tight"
10-5-81 Drlg 11,238 "Tight"
1-11-82 Drlg 12,900 "Tight"
TD 13,270; "Tight"
TD 13,270; PBD 12,800; Complete
Perf (Morrow) 13,182-192, 13,200-208 w/4 SPF
Acid (13,182-208) 1000 gals
Frac (13,182-208) 30,000 gals (no sd)
Ret @ 12,800
Sqzd (13,182-208) w/105 sx
Perf (Morrow) 12,726-734 w/2 SPF
Acid (12,726-734) 1000 gals

1-3-33 NM

EDDY

CIBOLA ENERGY CORP.

Wildcat

2 Carthel Federal

Sec 5, T23S, R29E

NM

Page #2

1-11-82

Continued

CAOF 381 MCFGPD (12,726-734)

Morrow Discovery; no suggested Field Name

LOG TOPS: Delaware 2920, Bone Spring 6568,

Wolfcamp 9860, Strawn 11,636, Atoka 11,720,

Morrow 12,286, Barnett 13,210

LOGS RUN: CNL, GRL, DILL, CANL

1-16-82

COMPLETION ISSUED

1-3-33 NM

IC 30-015-70371-81

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
NM OIL & GAS COMMISSION
Artesia, NM 88210

Form approved.
Budget Bureau No. 42-R1424.

C/SF

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.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM 0556291	
2. NAME OF OPERATOR Cibola Energy Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P.O. Box 1668, Albuquerque, New Mexico 87103		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2030 FNL & 2080 FEL		8. FARM OR LEASE NAME Carthel Fed	
14. PERMIT NO.		9. WELL NO. 2	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3003.4 Gr.		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 5-23S-29E	
		12. COUNTY OR PARISH Eddy	
		13. STATE NM	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	(Other) Casing report	<input checked="" type="checkbox"/>
(Other)	<input type="checkbox"/>	(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.)*

9-16-81 61 joints of 7" 8 RD 29E LT&C w/ MWL type LG-3 liner hanger
2 joints 7" 8RD 29#/ft., LT&C T-95-F casing MWL float collar and landing collar, ran liner MWL float shoe. Total of 2452' set at 12,298', top of liner hanger at 9846'. Cemented with Halliburton 600 sacks Class "H" with 6/10 of 1% Halad 22, 4/10 of 1% CFR-2 5# KCL, 15.8 slurry weight, plug down at 12:30 9-16-81. WOC 18 hours.

RECEIVED
OCT 22 1981

OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

18. I hereby certify that the foregoing is correct			
SIGNED	ROGER A. CHAPMAN	TITLE	Drilling Secretary
(This space for Federal or State office use)		DATE	10-2-81
APPROVED BY		DATE	
CONDITIONS OF APPROVAL, IF ANY:			
U.S. GEOLOGICAL SURVEY			
ROSWELL, NEW MEXICO			

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIP DATE
(Check this box if submitted on reverse side)
Drawer DD

Form approved.
Budget Bureau No. 42-R1424.
DESIGNATION AND SERIAL NO.

C/SF

Artesia, NM 88210

NM 0556291

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.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR Cibola Energy Corporation		8. FARM OR LEASE NAME Carthel Fed	
3. ADDRESS OF OPERATOR P.O. Box 1668, Albuquerque, New Mexico 87103		9. WELL NO. 2	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2030 FNL & 2080 FEL		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 5-23S-29E	
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3003.4 Gr.	12. COUNTY OR PARISH Eddy	13. STATE NM

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)	<input checked="" type="checkbox"/>	Casing report	<input checked="" type="checkbox"/>

(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.)*

8-15-81 Ran a total of 10,249.57' of 9 5/8" casing and float equipment. Pipe set at 10,187.57' GL and 10,217.57 KB. Cemented first stage with 10 bbls fresh water before job. 1075 sacks trinity lite, with 3/4 of 1% CFR-2, 1/4# Flocele/sack, 12.4#/gallon & yield 1.5 cu. ft./sk. Tail in with 300 sks Class "H" cement with 3/4 of 1% CFR-2, mixed at 15.6#/gallons, yield 1.18 cu. ft./sk. Bumped plug with 2000# at 3:20 pm. Cemented 2nd stage with 10 bbls fresh water before job, then with 1700 sacks trinity lite with 5/10 of 1% CFR-2, 1/4# Flocele/sk. 12.1#/gallon, yield 1.69 cu. ft. per sack. Tail in with 200 sacks Class "H" with 5/10 of 1% CFR-2, 15.6#/gallon, yield 1.18 cu. ft./sk. Bumped with 3000# at 12:45 am. 8-15-81. Circulated 80 sacks to reserve.

RECEIVED
OCT 22 1981

OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

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

SIGNED *Robert M. Chapman* TITLE Drilling Secretary DATE 9-15-81

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

OCT 29 1981
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

*See Instructions on Reverse Side

UNITED STATES M.O.C.D. **COPY**
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM 0556291

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Carthel Fed.

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLEK. AND
SURVEY OR AREA

5-23S-29E

12. COUNTY OR PARISH 13. STATE

Eddy

NM

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR
Cibola Energy Corporation

3. ADDRESS OF OPERATOR
P.O. Box 1668, Albuquerque, NM 87103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

2030 FNL & 2080 FEL

14. PERMIT NO.

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

3003.4 Gr.

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 PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

casing report

(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.)*

7-20-81

Ran 70 joints of 13 3/8" 61# and 54.5# K-55 casing to 2863' KB. Cemented with 8#/sack salt. Followed by 200 SX Class "C" neat. Circulated 430 SX to surface. Bumped plug at 6:00 a.m. Float held ok. Nippled down 20" Hydrill. Installed slips.

JUL 27 1981

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

SIGNED

Gail Gunnels

TITLE Production Secretary

DATE 7-23-81

(This space for Federal or State office use)

ACCEPTED FOR RECORD

APPROVED BY ROGER A. CHAPMAN
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

JUL 28 1981

U.S. GEOLOGICAL SURVEY

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

N.M.C.C.D. COPY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM 0556291

RECEIVED

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

JUL 13 1981

7. UNIT AGREEMENT NAME

O. C. D.

8. FARM OR LEASE NAME

ARTESIA OFFICE

Carthel Federal

9. WELL NO.

2

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Wildcat

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

Sec. 5-23S-29E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR
Cibola Energy Corporation

3. ADDRESS OF OPERATOR
1005 Marquette NW Albuquerque, NM 87102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
2030 FNL & 2080 FEL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
3003.4 Gr.

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

NOTICE OF INTENTION TO:

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FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

X

(NOTE: Report results of multiple completion on Well
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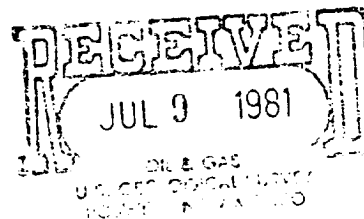
07-07-81

Set 496' of 20" 94# H-40 Buttress STC csg. Cemented with 625 sx Halco Lite with 2% CaCl. Tailed in with 300 sx Class "C" cement with 2% CaCl. Plugged down at 3:30 pm. Cement did not circulate. WOC 6 hrs. Ran temperature survey. Top of cement at 180'. Ran 1" pipe between 30" and 20" casing. Tagged cement at 189'. Pumped 450 sx Class "C" cement through 1" pipe. Brought back to surface. Plugged down at 11:30 pm, 07-07-81.

925
450
1375ACCEPTED FOR RECORD
ROGER A. CHAPMAN

JUL 9 1981

U.S. GEOLOGICAL SURVEY



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

SIGNED

Gail Gussels

TITLE

Production Secretary

DATE 07-08-81

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES N.M.O.C.D. COPY
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM 0556291

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Carthel Federal

9. WELL NO.
2

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA
Sec. 5-23S-29E

12. COUNTY OR PARISH
Eddy

13. STATE
NM

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different depth. Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

JUL 13 1981

2. NAME OF OPERATOR
Cibola Energy Corporation

3. ADDRESS OF OPERATOR
1005 Marquette NW Albuquerque, New Mexico 87102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

2030 FNL & 2080 FEL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
3003.4 Gr.

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NOTICE OF INTENTION TO:

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FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
(Other) ☐

PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
ABANDON* ☐
CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

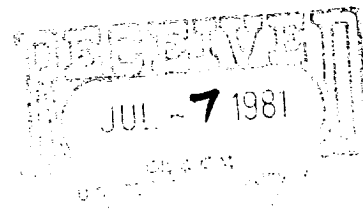
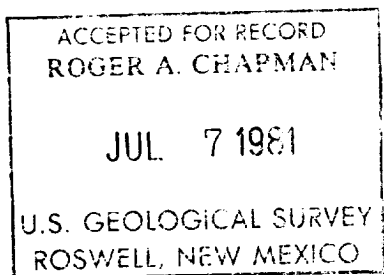
WATER SHUT-OFF ☐
FRACTURE TREATMENT ☐
SHOOTING OR ACIDIZING ☐
(Other) ☐

REPAIRING WELL ☐
ALTERING CASING ☐
ABANDONMENT* ☒

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

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Julian Ard Drilling began reaming the hole with a 26" bit to resume drilling operations with a rotary tool at 6:30 am July 6, 1981.



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

SIGNED Gail Gussel

TITLE Production Secretary

DATE 7-6-81

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved.
Budget Bureau No. 42-R1424

LEASE DESIGNATION AND SERIAL NO.

NM 0556291

IF INDIAN, ALLOTTEE OR TRIBE NAME

UNIT AGREEMENT NAME

FARM OR LEASE NAME

Carthel Federal *Corn*

WELL NO.

2

FIELD AND POOL, OR WILDCAT

Wildcat *Morrow*

SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 5-23S-29E

COUNTY OR PARISH

Eddy

STATE

NM

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR
CIBOLA ENERGY CORPORATION

3. ADDRESS OF OPERATOR
1005 Marquette NW Albuquerque, NM 87102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
2030 FNL & 2080 FEL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
3003.4 Gr.

JUN 26 1981

G. C. D.

ARTESIA, OFFICE

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

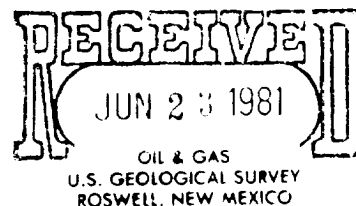
(Other) Commence drilling operations

(Other)

(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.)*

Abbott Brothers spudded the Carthel Federal #2 at 10:30 am on June 17, 1981.
Set 30' of conductor pipe. Continuing to drill a 20" hole.



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

SIGNED

Gail Quinners

TITLE

Production Secretary

DATE 6-22-81

(This space for Federal or State Record)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

ROGER A. CHAPMAN

TITLE

DATE

JUN 24 1981

U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

*See Instructions on Reverse Side

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRI
(Other instructions
reverse side)

GATE
OF RE

Form approved.
Budget Bureau No. 42-R1424.

LEASE DESIGNATION AND SERIAL NO.

NM 0556291

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Carthel Federal

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 5-23S-29E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

JUN 29 1981

2. NAME OF OPERATOR
CIBOLA ENERGY CORPORATION

O. C. D.
ARTESIA, OFFICE

3. ADDRESS OF OPERATOR
1005 Marquette NW Albuquerque, NM 87102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

2030 FNL & 2080 FEL

14. PERMIT NO.

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

3003.4 Gr.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) operator name change

REPAIRING WELL

ALTERING CASING

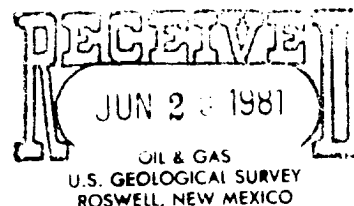
ABANDONMENT*

☐
☐
☒

(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.)*

Coronado Exploration Corp. has changed its name to CIBOLA ENERGY CORPORATION effective immediately.



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

SIGNED

Gail Gunnels

TITLE

Production Secretary

DATE

June 22, 1981

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF

ACCEPTED FOR RECORD
ROGER A. CHAPMAN
APPROVAL, IF ANY:

TITLE

DATE

JUN 25 1981

U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

*See Instructions on Reverse Side

N.M.C.D. COPY

SUBMIT IN T JGATE*
(Other Instru. 38 on
reverse sl.)

Form approved.
Budget Bureau No. 42-11425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-015-23389

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐

GAR
WELL ☒

OTHER

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Coronado Exploration Corporation

3. ADDRESS OF OPERATOR

1007 Marquette, N. W. Albuquerque, New Mexico 87102

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

At surface

2030' FNL and 2080' FEL

At proposed prod. zone

2030' FNL and 2080' FEL

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

13 miles ESE of Carlsbad, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

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

660'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

*

16. NO. OF ACRES ASSIGNED

320.8

17. NO. OF ACRES ASSIGNED

TO THIS WELL

320.8

19. PROPOSED DEPTH

13,400'

20. ROTARY OR CABLE TOOLS

Rotary

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

3003.4' GL

22. APPROX. DATE WORK WILL START*

July 20, 1980

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
40± "	30"	---	30'	as required
26 "	20"	94.0	500±'	1100 sacks To Circ.
17 1/2 "	13 3/8"	54.5 - 61.0	2850±'	3700 sacks To Circ.
12 1/4"	9 5/8"	43.5 - 47.0	10,800±'	2900 sacks To Circ.
8 1/2"	7"	29.0 - 32.0	12,300 '	300 sacks (Liner) CIRC.
6 1/2"	4 1/2"	13.5	13,400 '	125 sacks (Liner) CIRC.

Mud Program: Exhibit "A" attached.

BOP Equipment: Exhibit "B" attached.

Casing Testing: Exhibit "C" attached.

Gas is not dedicated.

No Dwelling withing one mile of proposed location.

* Coronado Carthel Fed. No. 1 permitted to 3,500' KB; located
1980' FSL and 1980' FEL, Sec. 5.

NSL 1203

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, 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 Consultant

DATE 4-4-80

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side