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NEW MEXICO OIL CONSERVATION COMMISSION

OCT 13 1977

O. C. C.
ARTESIA, OFFICE

30-015-22320

Form C-121
Revised 1-1-65

5A. Indicate Type of Lease
STATE ☐ FEDERAL ☒

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work b. Type of Well DIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		2. Name of Operator Amoco Production Company		7. Unit Agreement Name	
3. Address of Operator P. O. Drawer A, Levelland, Texas 79336		8. Firm or Lease Name Donaldson		9. Well No. 1	
4. Location of Well UNIT LETTER G LOCATED 1980 FEET FROM THE North LINE AND 1650 FEET FROM THE East LINE OF SEC. 23 TWP. 23 RGE. 28 NMPM		10. Field and Pool, or Wellcat Wildcat-Morrow		11. County Eddy	
18. Proposed Depth 13,300		19A. Formation Morrow		20. Rotary or C.T. Rotary	
21. Elevations (Show whether D.P., R.T., etc.) 2995.5 GR.		21A. Kind & Status Plug, Bond Blanket-On File		21B. Drilling Contractor Brahamy Drlg. Co.	
				22. Approx. Date Work will start October 21, 1977	

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2"	13 3/8"	48#	400'	Circulate	Surface
12 1/4"	9 5/8"	36#	6400'	Circulate	Surface
8 1/2"	5 1/2"	14-15.5#	13,300'	Tieback to 9 5/8" casing	

Propose to drill and equip. Morrow well at 13,300'. Attempt completion by perforating and stimulating as necessary.

Mud Program -
 0 - 400' - Native mud and fresh water
 400' - 6400' - Native mud and brine water
 6400' - 11,600' - Brine water and low solid non-dispersed mud to maintain good hole conditions.
 11,600' - 13,300' - Cut brine water and add KCL water w/sufficient mud to maintain good hole conditions.

BOP Program attached
Gas is not committed.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,

EXPIRES 1-18-78

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Ray W. Cox Title Administrative Assistant Date 10-12-77

APPROVED BY W. A. Gussert TITLE SUPERVISOR, DISTRICT II DATE OCT 18 1977

CONDITIONS OF APPROVAL, IF ANY:
 0 & 4 - NMOCC - Art
 1 - D1V

N MEXICO OIL CONSERVATION COMMISS N
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

Lessor Amoco Production Company			Lease A. R. Donaldson		Well No. 1
Unit Letter G	Section 23	Township 23 South	Range 28 East	County Eddy	
Actual Wellbore Location of Well: 1980 feet from the North line and 1650 feet from the East line					
Ground Level Elev. 2995.5	Producing Formation MORROW	Pool WILDCAT	Dedicated Acreage: 320 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? **AMOCO OWNS 100% of all leases.**

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

WORKING INTEREST OWNERSHIP AMOCO - 100%	JOHNNY L. + JACKIE REED 1980'	1650'
	A. R. DONALDSON AMELIA STENNIS	
ROYALTY OWNERSHIP		
AMOCO .875 JOHNNY + JACKIE REID .015625 A. R. DONALDSON .015625 CLAIBORNE POWER .015625 DRAPER BRANTLEY .015625 ROXIE WILLIAMS .015625 S. F. WILLIAMS .015625 AMELIA STENNIS .03125	ROXIE WILLIAMS S. F. WILLIAMS	

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Name **Randy Atkins**
Position **STAFF ASSISTANT (S.G.)**
Company **AMOCO PRODUCTION CO.**
Date **10-17-77**

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 knowledge and belief.

Date Surveyed **September 26, 1977**
Registered Professional Engineer and/or Land Surveyor

Certification No. **676**

330 980 '00 1320 1680 1980 2310 2640 2000 1800 1000 800 0

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Supersedes Old
C-102 and C-103
Effective 1-1-65

(Formerly Donaldson #1)

3a. Indicate Type of Lease	State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>
3b. State Oil & Gas Lease No.		

SUNDRY NOTICES AND REPORTS ON WELLS

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		RECEIVED	
2. Name of Operator Amoco Production Company ✓		NOV 23 1977	
3. Address of Operator P. O. Drawer A, Levelland, Texas 79936		O. C. C.	
4. Location of Well UNIT LETTER <u>G</u> 1980 FEET FROM THE <u>North</u> LINE AND <u>1650</u> FEET FROM THE <u>East</u> LINE, SECTION <u>23</u> TOWNSHIP <u>23</u> RANGE <u>28</u> N.M.P.M.		7. Unit Agreement Name South Catfina Bluff Unit 8. Name of Lease Holder South Catfina Bluff Unit	
15. Elevation (Show whether DF, RT, GR, etc.) 2995.5 GR		9. Well No. 1	
		10. Field and Pool, or Wildcat Wildcat-Morrow	
		12. County Eddy	

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 type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPERARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPS. <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 checked="" type="checkbox"/>	OTHER <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 1503.

Operations commenced 11-1-77. Set 40' of 20" conductor 34' below ground level and cement w/5 cu. yd. ready mix. Brahaney Drilling Co. Rig #7 spudded 17½" hole at 8:30 am 11-6-77. Reached TD of 418' 4:30 am 11-7-77. Run 13-3/8" casing and set at 418' w/500 sx Class "C" plus 2% CACL. Plug down at 3:00 pm 11-7-77. Circulate 160 sx to surface. WOC 24 hrs. Test csg w/800 PSI for 30 minutes. Test ok. Reduce hole to 12½" and resume drilling at 1:30 am 11-8-77.

At TD of 4260' turned over operation of well to Delta Drilling Co. 12:00 noon 11-17-77. Delta's address is P. O. Box 866, Odessa, Texas 79760.

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

SIGNED <u>Ray W. Cox</u>	TITLE <u>Administrative Assistant</u>	DATE <u>11-21-77</u>
APPROVED BY <u>L. H. G. W. W. W.</u>	TITLE <u>SUPERVISOR, DISTRICT II</u>	DATE <u>DEC 6 1977</u>

CONDITIONS OF APPROVAL, IF ANY:

0 & 3-NMOCC-Art, 1-Div., 1-Susp., 1-RC, 1-Delta Drilling Co. P. O. Box 866. Odessa. TX 79760

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

DEC 6 1977

O. C. C.

SUNDY NOTICES AND REPORTS ON WELL

(DO NOT USE THIS FORM FOR NOTICES TO ABANDON OR PLUG A WELL OR TO A DIFFERENT RESERVOIR. USE APPLICATION FOR PERMIT TO ABANDON OR PLUG A WELL FOR SUCH PURPOSES.)

OIL WELL ☐

GAS WELL ☒

OTHER

Name of Operator

Delta Drilling Co.

Address of Operator

P.O. Box 866

Odessa, Texas 79760

Location of Well

UNIT LETTER E 1980' FEET FROM THE North LINE AND 1650 FEET FROM

THE East LINE, SECTION 23 TOWNSHIP 23-S RANGE 28 E NMPH.

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

GR 2996

5a. Indicate Type of Lease

State ☐

Fee ☒

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Form of Lease Name

South Gilobra Bluff Unit

9. Well No.

1

10. Field and Pool, or Wildcat

Wildcat

12. County

Fddy

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

ENFORCE REMEDIAL WORK ☐

PLUG AND ABANDON ☐

REMEDIAL WORK ☐

ALTERING CASING ☐

TEMPORARILY ABANDON ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☐

WELL OR ALTER CASING ☐

CHANGE PLANS ☐

CASING TEST AND CEMENT JOB ☐

OTHER Change of operator ☐

OTHER ☐

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.

Donaldson
South Gilobra Bluff unit #1 was spudded by Amoco as operator.
Delta Drilling Co. took over as operator on November 17, 1977,
at a depth of 4260'.

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

SIGNED John L. Luch R. Luchwar

TITLE Project Manager

DATE 12/1-77

PROVED BY W. A. Gussert

TITLE SUPERVISOR, DISTRICT II

DATE DEC 6 1977

ADDITIONS OF APPROVAL, IF ANY

NO. OF COPIES RECEIVED	
DATE RECEIVED	
NAME	
ADDRESS	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-101
Effective 1-1-65

SUMMARY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR ANY OTHER PURPOSES THAN TO REPORT ON A WELL IN A DIFFERENT RESERVOIR.
USE THIS FORM FOR REPORTS ON WELLS IN THE SAME RESERVOIR.

1. ☐ OIL WELL ☒ GAS WELL ☐ OTHER

2. Name of Operator Delta Drilling Co.

3. Address of Operator P.O. Box 866, Odessa, Texas 79760

4. Location of Well

UNIT ENTER G 1980 FEET FROM THE North LINE AND 1650 FEET FROM THE East LINE, SECTION 23 TOWNSHIP 23 RANGE 28 N.M.P.M.

RECEIVED

DEC 11 1977

O.C.C.
SITING OFFICE

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No.

7. Unit Agreement Date

8. Name of Lease Holder

9. Well No.

10. Field and Pool, or Well

12. County

13. Elevation (Show whether DF, RT, GR, etc.)
2995.5 GR

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REPAIR WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REPAIR WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPERATIONS <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
FULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input checked="" 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.

Reached depth of 6355' on 12/6/77. Ran 9-5/8" casing to T.D. Cemented in two stages. First stage 765 sx Halliburton Lite w/1/4# Flocel and 300 sx class C neat. Plug down @ 3 A.M. 12/9/77 with 1300 PSI. Open D.V. tool @ 2875 w/800# at 3:30 A.M. 12/9/77 and circulated approx. 25 sx cement out on first stage. Circulate 4 hours. 2nd stage, start at 7:45 A.M. 12/9/77. 1540 sx Halliburton Lite w/1/4# Flocel 3# Gilsonite and 8# salt per sack, tail in w/100 sx class C neat. Plug down @ 9:20 A.M. with 2000 PSI, closed tool w/no cement back to surface. Ran 1" down annulus and found cement top 40' from surface. Cemented down 1" with 30 sx class C neat. WOC 24 hours. Test csg. to 1800 PSI for 30 minutes. Test ok. Reduce hole to 8-3/4" and resume drilling 8:00 P.M. on 12/11/77.
Copy of casing WT. and Footage is attached.

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

SIGNED Donal F. Lechwar TITLE Project Manager DATE 12/12/77

APPROVED BY W. A. Grissett TITLE SUPERVISOR, DISTRICT 1 DATE DEC 12 1977

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JAN 23 1978

O. C. C.
ARTESIA, OFFICE

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR NOTICES TO BE FILED IN THE FIELD OR FOR DATA TO A DIFFERENT RESERVOIR.
SEE PARAGRAPH 17 FOR REPORT ON OTHER C-103 FOR SUCH PURPOSES.)

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER-	5a. Indicate Type of Lease State <input type="checkbox"/> Fee <input checked="" type="checkbox"/>
2. Name of Operator Delta Drilling Company ✓	7. Unit Agreement Name South Culebra Bluff
3. Address of Operator Box 866 Odessa, Texas 79760	8. Term of Lease Name South Culebra Bluff
4. Location of Well UNIT LETTER <u>G</u> <u>1980</u> FEET FROM THE <u>North</u> LINE AND <u>1650</u> FEET FROM THE <u>East</u> LINE, SECTION <u>23</u> TOWNSHIP <u>23</u> RANGE <u>28</u> N.M.P.M.	9. Well No. 1
15. Elevation (Show whether DF, RT, GR, etc.) 2996 G.L.	10. Field and Pool, or Wildcat Wildcat - Morrow
12. County Eddy	

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 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 checked="" type="checkbox"/> Name Change	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 1503.

Previous reports on this well filed under well name of Donaldson No. 1. Well name officially changed to South Culebra Bluff Unit. All subsequent reports to be filed under the latter name.

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

SIGNED: Ronald E. Lechman TITLE: Projects Mgr. DATE: 1-20-78
APPROVED BY: W. A. Gussert TITLE: SUPERVISOR, DISTRICT II DATE: JAN 24 1978
CONDITIONS OF APPROVAL, IF ANY:

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DELTA DRILLING COMPANY

Box 2012 TELEPHONE 214 585-1911

TYLER, TEXAS 75710

JAN 26 1978

O. C. C.
ARTESIA, OFFICE

January 24, 1978

New Mexico Oil Conservation Commission
Drawer DD
Artesia, New Mexico 88210

RE: Report of Blowout
South Culebra Bluff No. 1 Well
Eddy County, New Mexico

Gentlemen:

This letter will confirm the prior notification given to Mr. Bill Gressett (Artesia office) and Mr. Dan Nutter (Santa Fe office) on January 4, 1978, concerning the blowout and subsequent fire at the Delta Drilling Company South Culebra Bluff No. 1 Well located 1980' FNL and 1650' FEL of Section 23, T23S, R28E, NMPM, Eddy County, New Mexico.

The South Culebra Bluff No. 1 Well was spudded by Amoco Production Company on November 6, 1977, pursuant to a Drilling Contract between Amoco Production Company, as Operator, and Brahaney Drilling Company, Inc., whose address is P. O. Box 1694, Midland, Texas, 79701, as Drilling Contractor.


On November 17, 1977, at 12:00 noon, Delta Drilling Company assumed operation of the well at a depth of approximately 4400' below the surface. Rig No. 7 of Brahaney Drilling Company, Inc. continued the drilling of such well until January 3, 1978, on which date such well, at a depth of 11,769' below the surface, encountered a gas kick, blew out and subsequently caught fire.

Operations for the drilling of a relief well and efforts to gain control of the well at the surface were commenced immediately. Control equipment has been installed on the wellhead and at present gas is being flared through two lines. Arrangements have been made to sell such gas to El Paso Natural Gas Company pursuant to an emergency gas sales contract, and it is anticipated that deliveries of such gas will be commenced on or about January 25, 1978.

Additional information concerning such well is being furnished to the New Mexico Conservation Commission pursuant to your forms C-103 and C-104.

Very truly yours,

cc: New Mexico Oil Conservation
Commission
P. O. Box 2088
Land Office Building
Santa Fe, New Mexico 87501


Carl E. Haskett
Mgr. Corporate Engineering
and Research

ATTACHMENT

DRILLING AT 11,769 FEET, A HIGH PRESSURE GAS ZONE WAS ENCOUNTERED. BOP AND HYDRIL WERE CLOSED AND KICK WAS BEING CIRCULATED OUT WHEN THE AUTOMATIC CHOKE FAILED FOR REASONS UNKNOWN AT THIS TIME, ALLOWING THE FULL PRESSURE TO ENTER SEPARATOR.

THE SEPARATOR WAS UNABLE TO HANDLE THE FULL PRESSURE AND SUBSEQUENTLY FAILED, WHICH IN TURN DISABLED THE CHOKE AND KILL MANIFOLD. AT THIS TIME THE WELL WAS STILL UNLOADING WATER AND GAS. THE RIG CREW STATED THAT THEY WERE UNABLE TO REACH ANY OF THE FOUR VALVES GOING TO THE MANIFOLD FROM THE BOP TO SHUT THE WELL IN. THE CREW THEN LEFT THE LOCATION FOR A PLACE OF SAFETY. THE WELL CONTINUED TO BLOW GAS AND CONDENSATE UNTIL APPROXIMATELY 5:10 A.M. THE FOLLOWING MORNING, AT WHICH TIME IT IGNITED ITSELF.

EXHIBIT 3

RECEIVED

CHRONOLOGICAL REPORT OF OPERATIONS

JAN 26 1978

DELTA DRILLING COMPANY

O. C. C.
ARTEBIA, OFFICE

SOUTH CULEBRA BLUFF NO. 1

24 hours ending midnight

<u>DATE</u>	<u>DEPTH</u>	<u>ACTIVITY</u>
11/ 1/77		Set 40' of 20" conductor 34' below ground level and cemented with 5 cubic yards ready mix. Rigging up Brahaney Drilling Company Rig No. 7. Amoco is Operator.
11/ 2/77		Rigging up.
11/ 3/77		Rigging up.
11/ 4/77		Rigging up.
11/ 5/77		Rigging up.
11/ 6/77	300'	Red bed. Spudded 8:30 A.M. 11/6/77. Mud 8.6#.
11/ 7/77	418'	Waiting on cement. Drilled to 418'. Ran 13 3/8" casing to 418'. Cemented with 500 sacks Class C plus 2% CaCl. Plug down 3:00 P.M. 11/7/77. Circulated 160 sacks to surface. Mud 8.6#/gallon.
11/ 8/77	418'	Nippling up. Tested Blowout Preventer to 800 PSI.
11/ 9/77	1,111'	Drilling. Anhydrite Brine.
11/10/77	1,580'	Drilling. Anhydrite.
11/11/77	2,415'	Drilling. Anhydrite and Salt. Brine.
11/12/77	2,740'	Drilling. Anhydrite and gypsum. Brine.
11/13/77	2,949'	Fishing. Sand and Anhydrite. Twisted off while drilling at 2,949'. Ran overshot. Recovered 1 joint pipe, 17 drill collars and bit. Brine.
11/14/77	3,235'	Drilling. Shale and lime. Brine.
11/15/77	3,493'	Drilling. Shale and lime. Brine.
11/16/77	3,735'	Drilling. Lime and shale. Brine.

Exhibit 3

<u>DATE</u>	<u>DEPTH</u>	<u>ACTIVITY</u>
11/17/77	4,162'	Drilling. Lime and Shale. Brine. Delta Drilling Company assumed operations at noon on 11/17/77.
11/18/77	4,625'	Drilling. Lime and Shale. Brine.
11/19/77	4,883'	Drilling. Shale, Lime and Chert. Brine.
11/20/77	5,142'	Drilling. Shale, Chert and sand.
11/21/77	5,240'	Fishing. Drilled to 5,240'. While pulling out of the hole pipe parted leaving 37 joints drill pipe, 15 drill collars and shock sub in hole. Ran overshot. Unable to work fish. Ran free point to 3,752'. Brine.
11/22/77	5,240'	Backed off second drill collar. Pulled 55 joints pipe hung up. Worked pipe in key seat. Brine.
11/23/77	5,240'	Working pipe. Brine.
11/24/77	5,240'	Ran free point. Found overshot sticking in tight spot at 1,900'. Went back to bottom and backed off drill pipe 1 joint above overshot at 3,590'. Pulled out of hole. Picked up 9 drill collars. Going in hole with reamers and key seat wiper. Brine.
11/25/77	5,240'	Reamed hole from 815' to 1,900'. Brine.
11/26/77	5,240'	Reamed hole to top of fish. Ran overshot and jars. Engaged fish. Pulling out of hole. Brine.
11/27/77	5,240'	Laid down 5 1/2" drill pipe. Picked up 4 1/2" drill pipe. Jar on fish. Pulled out of hole. Recovered part of shock sub. Back in hole to top of fish. Brine.
11/28/77	5,240'	Fishing. Mixed 10#/gallon 36 second viscosity mud. Circulated. Pulled out of hole. Picked up wash pipe and jars. Trip in hole washed 36' over fish. Mud 10#/gallon
11/29/77	5,240'	Fishing. Jarred on fish. Trip out of hole. Recovered drill pipe and drill collar fish. Washed and reamed to bottom. Circulated. Pulled out of hole to pick up magnet. Mud 10#/gallon.
12/ 1/77	5,240'	Going in hole. Picked up magnetic tool, went in hole to recover bit cone. Trip out of hole. Recovered cone. Trip back in hole with bit to drill. Mud 10#/gallon.

Exhibit 3

<u>DATE</u>	<u>DEPTH</u>	<u>ACTIVITY</u>
12/ 2/77	5,400'	Drilling. Shale and Chert. Finished in hole. Resumed drilling. Brine.
12/ 3/77	5,685'	Drilling. Shale and Sandstone. Brine. 10.1#/gallon.
12/ 4/77	5,910'	Drilling. Sale and sand. Brine. 10#/gallon
12/ 5/77	6,185'	Drilling. Sale and sand. Brine.
12/ 6/77	6,355'	Preparing to log. Drilled to 6,355' circulated 4 hours. Pulled out of hole. Brine.
12/ 7/77	6,355'	Ran Gamma Ray Sonic with caliper, Gamma --DLL with MSFL from surface casing to Total Depth. Trip in hole with key seat wiper. Circulating preparing to run casing. Brine.
12/ 8/77	6,355'	Pulled out of hole. Laid down drill collars. Rigged up to run 9 5/8" casing. Brine.
12/ 9/77	6,355'	Ran 157 joints 9 5/8" casing. Cemented in two stages. First stage: 765 sacks Halliburton Light with 1 1/4# Flo-Cel, and 300 sacks Class C. Plug down 3:00 A.M. with 1300 PSI. Opened DV tool at 2,875'. Circulated approximately 25 sacks out on first stage. Cemented second stage with 1540 sacks Halliburton Light with 1/4# Flo-Cel, 3# Gilsonite, and 8# Salt per sack. Tail in with 100 sacks Class C. Plug down 9:20 A.M. with 2000 PSI. Closed tool. No cement back to surface. Rigged up and ran 1" down annulus. Found cement top 40' from surface. Cement down 1" with 30 sacks Class C neat.
12/10/77	6,355'	Nippling up BOP.
12/11/77	6,388'	Drilling. Shale and sand. Nippled up BOPs. Went in hole to DV tool. Tested Blowout Preventer with 1800 PSI. OK. Drilled plugs. Brine.
12/12/77	6,518'	Drilling. Shale and sand. Brine.
12/13/77	6,890'	Drilling. Shale and sand. Brine.
12/14/77	6,956'	Circulating for drill stem test. Brine, 9.7#/gallon.
12/15/77	6,956'	Made DST #1, 6,900'- 6,956'. Opened 8:05 A.M. No flow to surface. Tool opened 15 minutes. No gas to surface. Recovered 140' drilling mud. Initial hydrostatic 3505 PSI. Initial flow 30 PSI. Initial shut-in 3500 PSI. Final flow 42 PSI. Final shut-in 3501 PSI. Final hydrostatic 3508 PSI. Pulled DST tool. Back in hole with bit to drill Brine.

<u>DATE</u>	<u>DEPTH</u>	<u>ACTIVITY</u>
12/16/77	7,395'	Drilling. Lime. Brine 9.8#/gallon.
12/17/77	7,580'	Drilling. Lime. Brine.
12/18/77	7,830'	Drilling. Lime.
12/19/77	7,987'	Drilling. Lime. Brine.
12/20/77	8,222'	Drilling. Lime. On trip out of hole at 7,987' tested Blowout Preventers to 5000 PSI. Tested Hydril to 2000 PS Tested Kelly-cock to 5000 PSI. Resumed drilling. Brine.
12/21/77	8,566'	Drilling. Lime. Brine.
12/22/77	8,955'	Drilling. Lime and Shale. Brine.
12/23/77	9,335'	Drilling. Lime and Shale. Brine.
12/24/77	9,391'	Shut down for Christmas. Drilled to 9,391'. Pulled out of hole. Shut down for Christmas. Brine.
12/25/77		Shut down for Christmas.
12/26/77	9,455'	Drilling. Lime and Shale. Brine.
12/27/77	9,885'	Drilling. Lime and Shale. Brine.
12/28/77	10,241'	Drilling. Lime and Shale. Brine.
12/29/77	10,690'	Drilling. Lime and Shale. Brine 9.7#/gallon.
12/30/77	11,030'	Drilling. Lime and Shale. Brine.
12/31/77	11,327'	Drilling. Lime and Shale. Brine.
1/ 1/78	11,410'	Drilling. Lime and Shale. Brine 10#/gallon.
1/ 2/78	11,655'	Drilling. Lime and Shale. Brine 10#/gallon.
1/ 3/78		Report destroyed in blow-out
1/ 4/78	11,769'	Drilled to 11,769'. Well kicked. Picked up and closed Rams and Hydril. Started pumping at 500 PSI. Well blew out through choke line. Blowing gas at about 11:00 A.M. c 1/3/78. Now on fire.

<u>DATE</u>	<u>DEPTH</u>	<u>ACTIVITY</u>
1/ 5/78	11,769'	Burning out of control. Derrick fell at 8:12 A.M. Got 2 bulldozers and pulled butane tank, trailer house, and pipe rack off location. Continuing setting frac tanks at hauling mud. Adair crew arrived on location at 3:00 P.M. 1/4/78.
1/ 6/78	11,769'	Burning out of control. Building dirt tanks, field shield and gathering equipment.
1/ 7/78	11,769'	Burning out of control.
1/ 8/78	11,769'	Burning out of control. Moving debris.
1/ 9/78	11,769'	Moved derrick and substructure away from hole. Preparing to remove BOP. Still burning out of control.
1/10/78	11,769'	Finished removing debris around wellhead. Shot rotary table and kelly at top of Hydril. Pulled kelly out of fire. Now rig up to shoot off BOP at mud line cross.
1/11/78	11,769'	Rig up 400# Nitro, blew BOP and wellhead equipment off. Charge blew fire out. Moved in bulldozer to dig trench around well. Preparing to install slip on wellhead. Well still blowing.
1/12/78	11,769'	Digging trenches around wellhead. Making preparations to dress off 13 3/8" and 9 5/8" casing before installing new slip on wellhead equipment. (Still blowing).
1/13/78	11,769'	Installing bradenhead assembly to Adair's specifications. Leveling location and preparing to install BOP relief lines and choke manifolds.
1/14/78	11,769'	Installed BOPs and laid relief lines. Closed kelly rams, turned annulus to flare through 4 1/2" line. Pressure on BOP stack 225#. Re-ignited gas in flare line.
1/15/78	11,769'	Installed tubing spool and blind ram BOP. Laid 2 1/2" relief line, closed blind rams. Diverted flow from kelly to flare. Released Adair crew.
1/16/78	11,769'	Preparing to install choke manifold.
1/17/78	11,769'	Installed choke manifold and lines. Rig up mud tanks and mud mixing plant. Preparing to test well.

<u>DATE</u>	<u>DEPTH</u>	<u>ACTIVITY</u>
1/18/78	11,769'	Flowed well through dual choke manifold on 3/4", 5/8" 1/2" and 1/4" chokes to take pressure readings for production calculations. Took gas sample and fluid sample to be analyzed. Continuing to install mud tanks - mixing plant and automatic choke manifold.
1/19/78	11,769	Making preparations to tie well into El Paso Natural Gas pipeline.
1/20/78		Preparing to lay 3,800' of line to El Paso Natural gas connection.

DISTRIBUTION		
NTA FE	1	
-E	1	✓
S.G.S.		
LAND OFFICE		
OPERATOR	1	

NEW MEXICO OIL CONSERVATION COMMISSION

Supersedes Old
C-102 and C-103
Effective 1-1-65

JAN 26 1978

O. C. C.

ADMINISTRATIVE OFFICE

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 type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	5a. Indicate Type of Lease State <input type="checkbox"/> Fee <input checked="" type="checkbox"/>
2. Name of Operator DELTA DRILLING COMPANY ✓	5. State Oil & Gas Lease No.
3. Address of Operator P. O. Box 866, Odessa, TX 79760	7. Unit Agreement Name South Culebra Bluff
4. Location of Well UNIT LETTER <u>G</u> <u>1980</u> FEET FROM THE <u>North</u> LINE AND <u>1650</u> FEET FROM THE <u>East</u> LINE, SECTION <u>23</u> TOWNSHIP <u>23S</u> RANGE <u>28E</u> NMPM.	8. Farm or Lease Name South Culebra Bluff
	9. Well No. 1
	10. Field and Pool, or Wildcat Wildcat
15. Elevation (Show whether DF, RT, GR, etc.) 2995.5 GR	12. County Eddy

16. 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"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>
PLUG AND ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
CHANGE PLANS <input checked="" type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
OTHER <input type="checkbox"/>	OTHER <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 1703.

Temporary open hole completion 6355 Ft. to T. D. Circumstances compelled alteration of original casing plan. We anticipate this condition to last approximately six months.

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

SIGNED W. M. Greenwell, Jr. TITLE Manager of Production DATE January 26, 1978

APPROVED BY W. A. Gussert TITLE SUPERVISOR, DISTRICT VI DATE JAN 27 1978

CONDITIONS OF APPROVAL, IF ANY:

for a period not to exceed 6 months

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Copy to ST
File
LSGS

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

Operator Delta Drilling Company		Lease South Culebra Bluff Unit		Well No. 1
Well Letter G	Section 23	Township 23 South	Range 28 East	County Eddy
Actual Postage Location of Well:				
1980' feet from the North line and		1650' feet from the East line		
Ground Level Elev. 2995.5 GR	Producing Formation Atoka	Pool Wildcat	Dedicated Acreage 320	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation Unitization

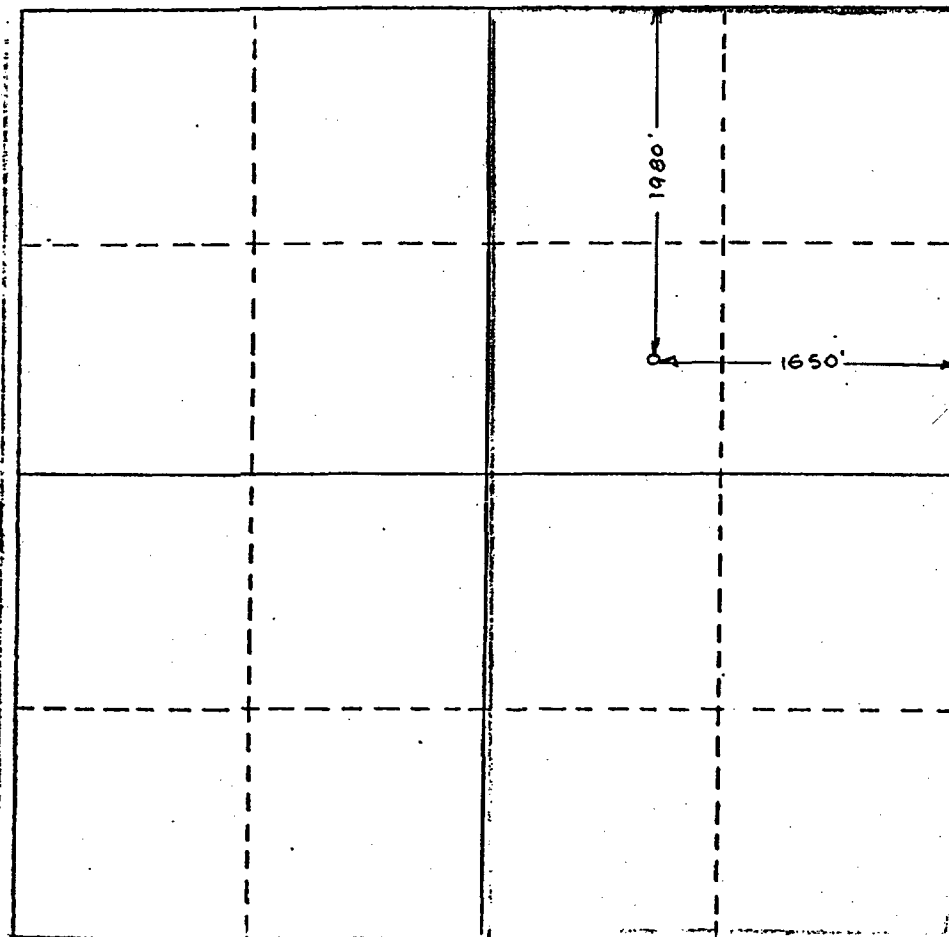
If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

RECEIVED

FEB 8 1978

O. C. C.
ARTERIA, OFFICE



CERTIFICATION

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

W. M. Greenwell, Jr.

Name
W. M. Greenwell, Jr.

Position
Manager of Production

Company
Delta Drilling Company

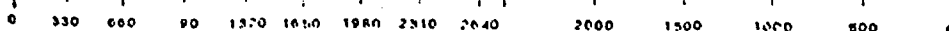
Date
February 3, 1978

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 knowledge and belief.

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Certificate No.



OIL CONSERVATION COMMISSION

P. O. DRAWER DD

ARTESIA, NEW MEXICO 88210

NOTICE OF GAS CONNECTION

DATE 1/26/78

This is to notify the Oil Conservation Commission that connection for the purchase of gas from the Delta Drilling Company,

S. Culebra Bluff Unit, #1 G 23-23-28
LEASE WELL & UNIT S.T.R.

Wildcat - Atoka, El Paso Natural Gas Company
POOL NAME OF PURCHASER

was made on January 26, 1978, 24853
SITE CODE

RECEIVED

JAN 30 1978

O. C. C.
ARTESIA, OFFICE

El Paso Natural Gas Co.
PURCHASER

Francis R. Elliott
REPRESENTATIVE

Gas Production Status Analyst
TITLE

TRE:bl

cc: Operator
Oil Conservation Commission - Santa Fe
H. P. Logan
T. J. Crutchfield
Proration
File

SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
TRANSPORTER	OIL	/
	GAS	/
OPERATOR		/
PRODUCTION OFFICE		

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

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

JAN 26 1978

I. Operator
DELTA DRILLING COMPANY ☒ **O. C. C.**
ARIZONA, OFFICE
 Address
P. O. Box 866, Odessa, TX 79760
 Reason(s) for filing (Check proper box)
 New Well ☒ Change in Transporter of:
 Recompletion ☐ Oil ☐ Dry Gas ☐
 Change in Ownership ☐ Casinghead Gas ☐ Condensate ☐
 Other (Please explain)

If change of ownership give name
 and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name South Culebra Bluff	Well No. 1	Pool Name, including Formation Wildcat Atoka	Kind of Lease State, Federal or Fee Fee	Lease No.
Location Unit Letter G , 1980 Feet From The North Line and 1650 Feet From The East Line of Section 23 Township 23S Range 28E , NMPM, Eddy County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> The Permian Corporation	Address (Give address to which approved copy of this form is to be sent) P. O. Box 3119, Midland, TX 79701
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> El Paso Natural Gas Company	Address (Give address to which approved copy of this form is to be sent) P. O. Box 1492, El Paso, TX 79978
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When G 23 23S 28E yes 1-26-78

If this production is commingled with that from any other lease or pool, give commingling order number: **No**

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					
Date Spudded 11-6-77	Date Compl. Ready to Prod.	Total Depth 11,769	P.B.T.D. 11,769					
Elevations (DF, RKB, RT, GR, etc.) 2995.5 GR	Name of Producing Formation Atoka	Top Oil/Gas Pay 11,750	Tubing Depth 11,769					
Perforations Open Hole			Depth Casing Shoe					
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
Conductor	20"	34	5 cu. yd. Ready-Mix					
17 1/2"	13-3/8"	418	500 sk. Class "C"					
12 1/2"	9-5/8" 36" & 40"	6355	Stage #1 1065 sk.					
			Stage #2 1640 sk.					

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 45 MMCF/D	Length of Test 2 hours	Bbls. Condensate Trace	Gravity of Condensate 73.4 API
Testing Method (pilot, back pr.) Back Pressure	Tubing Pressure (Shut-In) Not Available	Casing Pressure (Shut-In) Not Available	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.

W. M. Greenwell, Jr.

Manager of Production

January 26, 1978

OIL CONSERVATION COMMISSION

JAN 31 1978

APPROVED BY **W. A. Gressett**

TITLE **SUPERVISOR, DISTRICT II**

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.

DISTRIBUTION	5
SANTA FE	1
FILE	1
U.S.G.S.	2
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Revised 1-1-65

5a. Indicate Type of Lease
 State ☐ Fee ☒
 5. State Oil & Gas Lease No.

RECEIVED

1a. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER <u>MAR - 6 1978</u>						7. Unit Agreement Name <u>S. CULEBRA BLUFF UNIT</u>	
b. TYPE OF COMPLETION NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIPP. RESVR. <input type="checkbox"/> OTHER <u>A.C.C.</u>						8. Farm or Lease Name	
2. Name of Operator <u>DELTA DRILLING COMPANY</u>						9. Well No. <u>ONE</u>	
3. Address of Operator <u>P. O. BOX 2012 TYLER, TEXAS 75710</u>						10. Field and Pool, or Wildcat <u>WILDCAT <i>atoka</i></u>	
4. Location of Well UNIT LETTER <u>G</u> LOCATED <u>1980</u> FEET FROM THE <u>NORTH</u> LINE AND <u>1650</u> FEET FROM THE <u>EAST</u> LINE OF SEC. <u>23</u> TWP. <u>23S</u> RGE. <u>28E</u> NMPM						12. County <u>EDDY</u>	
15. Date Spudded <u>11/6/77</u>		16. Date T.D. Reached <u>JAN. 3, 1978</u>		17. Date Compl. (Ready to Prod.) <u>JAN. 27, 1978</u>		18. Elevations (DF, RKB, RT, GR, etc.) <u>2995.5 GR</u>	
19. Elev. Casinghead <u>2985 (EST)</u>		20. Total Depth <u>11769'</u>		21. Plug Back T.D. <u>---</u>		22. If Multiple Compl., How Many <u>---</u>	
23. Intervals Drilled By <u>0-11769</u>		24. Producing Interval(s), of this completion - Top, Bottom, Name <u>11750-11769, ATOKA SAND</u>		25. Was Directional Survey Made <u>YES</u>		26. Type Electric and Other Logs Run <u>BOREHOLE COMPENSATED SONIC & DUAL LATERLOG MICRO-SFL-SURFACE TO 6288</u>	
27. Was Well Cored <u>NO</u>		28. CASING RECORD (Report all strings set in well)					
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE	
20"		CONDUCTOR		34'		---	
13 3/8"		48		418'		17 1/2"	
9 5/8"		36 & 40		6355'		12 1/4"	
CEMENTING RECORD		AMOUNT PULLED					
5 cubic yards		---					
500 sacks		---					
2705 sacks		---					
29. LINER RECORD				30. TUBING RECORD			
SIZE		TOP		BOTTOM		SACKS CEMENT	
---		---		---		---	
4 1/2"		11769		---		---	
31. Perforation Record (Interval, size and number) <u>OPEN HOLE</u>				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL <u>NONE</u>			
33. PRODUCTION				34. Disposition of Gas (Sold, used for fuel, vented, etc.) <u>SOLD</u>			
Date First Production <u>JAN. 27, 1978</u>		Production Method (Flowing, gas lift, pumping - Size and type pump) <u>FLOWING</u>				Well Status (Prod. or Shut-in) <u>PRODUCING</u>	
Date of Test <u>JAN. 28, 1978</u>		Hours Tested <u>24</u>		Choke Size <u>4"</u>		Prod'n. For Test Period <u>---</u>	
Oil - Bbl. <u>---</u>		Gas - MCF <u>40,113</u>		Water - Bbl. <u>2</u>		Gas - Oil Ratio <u>360,000/1</u>	
Flow Tubing Press. <u>S.I. 949</u>		Casing Pressure <u>(FLOW) 620</u>		Calculated 24-Hour Rate <u>---</u>		Oil Gravity - API (Corr.) <u>---</u>	
Oil - Bbl. <u>---</u>		Gas - MCF <u>40,113</u>		Water - Bbl. <u>2</u>		Test Witnessed By	
35. List of Attachments <u>DST #1, MINERAL DETERMINATIONS REPORT, MUD & CUTTING ANALYSIS REPORT</u>							
36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.							
SIGNED <u>Carl E. Haskett</u>				TITLE <u>Manager, Corporate Engineering & Research</u>		DATE <u>March 1, 1978</u>	

INSTRUCTIONS

This form is to be filled with the appropriate data after the completion of any newly-filled or deepened well. It shall be accompanied by any required lithological and stratigraphic reports on the well and a summary of all special tests conducted, including well stem tests. All data shall be reported in full and complete by date in the case of directionally drilled wells, true vertical depths shall also be reported. For multiple casing tests, from 26 through 34 shall be reported for each zone. The form is to be filled in quadruplicate except on state land, where six copies are required. See Rule 1145.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn 11,436 (sample)	T. Kirtland Frontland	T. Penn. "C"
T. Salt	T. Atoka 11,754 (sample)	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Salinas	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Qtzite
T. Glorieta	T. McKee	T. House Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	
T. Bone Springs 6340	T. Gr. Wash	T. Morrison	
T. Tubb	T. Granite	T. Todilto	
T. Brinkard	T. Delaware Sand	T. Entrada	
T. Abo	T. Bone Springs	T. Wingate	
T. Wolfcamp 9616 (sample)		T. Chinle	
T. Penn.		T. Permian	
T. Cisco (Bough C)		T. Penn. "A"	

No. 1, from 11,750 to total depth
 No. 2, from to
 No. 3, from to
 No. 4, from to
 No. 5, from to
 No. 6, from to

IMPORTANT MISC. SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

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

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
Surface	2705	2705	Castile Group				
2705	6340	3635	Delaware Mountain Group				
6340	9616	3276	Bone Springs				
9616	11436	1820	Wolfcamp				
11436	11750	314	Strawn				
11750	11769	total depth	Atoka				
			(See Mud & Cuttings Analysis for complete details)				

NO. OF COPIES RECEIVED	3
DISTRIBUTION	
CANTAFÉ	1
FILE	1
U.S.G.S.	
LAND OFFICE	
OPERATOR	1

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

RECEIVED

AUG 21 1978

<p>SUNDRY NOTICES AND REPORTS ON WELLS</p> <p>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.</p>		<p>3a. Indicate Type of Lease</p> <p>State <input type="checkbox"/> Fee <input checked="" type="checkbox"/></p>
<p>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/></p>		<p>5. State Oil & Gas Lease No.</p>
<p>Name of Operator</p> <p>Delta Drilling Company ✓</p>		<p>7. Unit Agreement Name</p> <p>South Culebra Bluff</p>
<p>Address of Operator</p> <p>P.O. Box 2113 Midland, Texas 79702</p>		<p>8. Farm or Lease Name</p> <p>South Culebra Bluff Unit</p>
<p>Location of Well</p> <p>UNIT LETTER <u>G</u> <u>1980</u> FEET FROM THE <u>north</u> LINE AND <u>1650</u> FEET FROM THE <u>east</u> LINE, SECTION <u>23</u> TOWNSHIP <u>23-S</u> RANGE <u>28-E</u> N.M.P.M.</p>		<p>9. Well No.</p> <p>1</p>
<p>15. Elevation (Show whether DF, RT, GR, etc.)</p> <p>2995.5 GR</p>		<p>10. Field and Pool, or Wildcat</p> <p>Wildcat</p>
		<p>12. County</p> <p>Eddy</p>

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

NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

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

- A. If circulation rate sufficient down drill pipe to kill:
1. Turn well to flare line maintaining 500 psi back pressure.
 2. Pump 20 bbls. 20#/gal. salt water followed by 11.2#/gal. mud. Displace at 200-400 GPM.
 3. After drill pipe is loaded check if rate is minimum of 150 GPM, if so raise annulus back pressure to 2000 psi.
 4. Continue pumping at minimum of 150 GPM and start reducing back pressure after 600 bbls. mud displaced. Divert gas through separator as soon as possible.
 5. Reduce surface pressure to zero and circulate until gas cut mud eliminated. Shut well in to observe behavior.
 6. If well is stable remove top BOP and cut off bent kelly stub and verify if tools will enter drill pipe. Replace BOP and maintain stable well conditions to move in workover rig.
- B. If circulation rate not sufficient for kill:
1. Maintain circulating rate and drop ball sealers to plug bit jets.
 2. If plug off successful and drill pipe is stable remove top BOP and cut off bent kelly stub and verify if tools will enter drill pipe.
 3. Replace BOP and rig up lubricator with perforating gun and perforate drill pipe as deep as possible but not above 6000'.

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

SIGNED Ron Brown /Ron Brown TITLE Field Projects Manager DATE 8/21/78

APPROVED BY W. A. Grasset TITLE SUPERVISOR, DISTRICT II DATE AUG 25 1978

CONDITIONS OF APPROVAL, IF ANY:

4. Circulate 11.2#/gal. mud through perforations until well is dead.
- C. If drill pipe plugged squeeze relax 11.2#/gal. mud to load and proceed as in B Step 2.
- D. If loss of circulation occurs and circulation cannot be maintained displace polymer plug and 17#/gal. mud to Bone Springs). Hold back pressure on drill pipe and observe fluid loss on annulus. Make up loss with 9.3#/gal. mud until stable. Move in workover rig.

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OPERATOR	/

NEW MEXICO OIL CONSERVATION COMMISSION

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SEP 18 1978

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease	
State <input type="checkbox"/>	Free <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	
7. Unit Agreement Name	
South Culebra Bluff Unit	
8. Farm or Lease Name	
South Culebra Bluff Unit	
9. Well No.	
1	
10. Field and Pool, or Wildcat	
Wildcat Atoka	
12. County	
Eddy	

SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO RE-ENTER OR TO ABANDON A WELL. USE APPLICATION FOR PERMIT TO DRILL OR TO RE-ENTER OR TO ABANDON A WELL (Form C-101) FOR SUCH PROPOSALS.

1. Name of Operator	
Delta Drilling Company	
2. Address of Operator	
P.O. Box 2113 Midland, Texas 79702	
3. Location of Well	
UNIT LETTER	G
1980	FEET FROM THE
north	LINE AND
1650	FEET FROM
THE	east
LINE, SECTION	23
TOWNSHIP	23S
RANGE	28E
N.M.P.M.	

15. Elevation (Show whether DF, RT, GR, etc.)	
2996 GR	

16. 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"/>
TEMPORARILY ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPERATIONS <input type="checkbox"/>
OTHER spot plug sidetrack run cgs <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER <input type="checkbox"/>

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.

8-30-78 Circulated hole with 10.6#/gal. mud until well was dead. Moved in drilling rig 9-5-78. Circulated and worked stuck drill pipe for 3 days. Ran string shot and backed off at 11,680'. POOH Layed down old drill pipe and collars. Picked up another string of DP. Latched onto fish. Jarred on fish for 12 hours without success. Backed off leaving subs on the fish. Top of fish now 11,671'. Picked up wash pipe. Tried to wash around fish. Washed for two days and only made 5 feet. Logged hole.

Plan to spot a 300 sack cement plug from 11,671'-11,200' with Class 'H' cement. WOC 18 hours. Dress off cement to 11,250' and side track original hole. Drill to 11,750'. Log and set 7" casing. 3340' 26# S-95 LT & C, 4160' 23# S-95 LT & C, 3370' 26# K-55 LT & C 1130' 23# N-80 LT & C. Cement with 700 sx. TLW and 300 sx. Class H in two stages. This will bring TOC to 6000'. WOC 24 hrs., test casing to 1500 psi for 30 minutes. Drill on to 13,200' with 6" bit.

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

W. A. Gussett / Ron Brown TITLE Field Projects Manager DATE 9-14-78

W. A. Gussett TITLE SUPERVISOR, DISTRICT II DATE SEP 19 1978

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Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

O. C. C.
ARTESIA, OFFICE

5a. Indicate Type of Lease State <input type="checkbox"/> Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.
7. Unit Agreement Name
8. Farm or Lease Name South Culebra Bluff Unit
9. Well No. 1
10. Field and Pool, or Wildcat Wildcat - Atoka
12. County Eddy

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 type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>
Name of Operator Delta Drilling Company
Address of Operator P.O. Box 2113 Midland, Texas 79702
4. Location of Well UNIT LETTER <u>G</u> <u>1980</u> FEET FROM THE <u>north</u> LINE AND <u>1650</u> FEET FROM THE <u>east</u> LINE, SECTION <u>23</u> TOWNSHIP <u>23S</u> RANGE <u>28E</u> NMPM.

15. Elevation (Show whether DF, RT, GR, etc.)
2996 GR

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 JOB ☒

ALTERING CASING ☐
PLUG AND ABANDONMENT ☐

OTHER ☐

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.

Injection hole 11671' to 11679'
9-15-78 Depth 11,769'. Set 8-3/4" bridge plug @ 11,670'. Set cement plug from 11,670' to 11,270' with 165 sx class H cement w/1/4% CFR-2, 8% sand, and 5# salt. WOC 72 hours. 9-19-78 TOC 11,170'. Drilled 8-3/4" hole to 11,383'. Drilled out with Dyan drill sidetracking old hole 9-20-78.

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

SIGNED /Ron Brown TITLE Field Projects Manager DATE 10-23-78

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE OCT 25 1978

CONDITIONS OF APPROVAL, IF ANY:

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OCT 11 1978

O. C. C.
ARTESIA, OFFICE

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

3a. Indicate Type of Lease	
State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	
7. Unit Agreement Name	
8. Farm or Lease Name	
South Culebra Bluff Unit	
9. Well No.	
1	
10. Field and Pool, or Wildcat	
Wildcat Atoka	
12. County	
Eddy	

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 type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER	7. Unit Agreement Name
2. Name of Operator	8. Farm or Lease Name
Delta Drilling Company	South Culebra Bluff Unit
3. Address of Operator	9. Well No.
P.O. Box 2113 Midland, Texas 79702	1
4. Location of Well	10. Field and Pool, or Wildcat
UNIT LETTER G 1980 FEET FROM THE north LINE AND 1650 FEET FROM	Wildcat Atoka
THE east LINE, SECTION 23 TOWNSHIP 23S RANGE 28E N.M.P.M.	
15. Elevation (Show whether DF, RT, GR, etc.)	12. County
2996 GR	Eddy

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

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>

SUBSEQUENT REPORT OF:

REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
COMMENCE DRILLING OPS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/>	OTHER <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.

TD 11,750'. Ran 3324.93' of 7" 26# S-95 LT & C, 3897.36' of 7" 23# S-95 LT & C, 3320.04' of 7" 26# K-55 LT & C and 1150.20' of 7" 23# N-80 LT & C casing. Set at 11,745' and cemented with 900 sx TLW, 4% gel, 1/4# flocele and 5/10% CFR-2 and 200 sx Class H, 5# KCl and 5/10% CFR-2. Displaced with brine water, plug down 8:00 p.m. 10-3-78. Opened DV tool @ 6608.59' with no returns. Squeezed with 505 sx Class H. Plug down 11:00 a.m. 10-6-78. WOC 22 hrs. Drilled out retainer w/6-1/2" bit and 60 ft. cement and closed DV tool. Tested casing to 2000 psi from 12:30 to 1:00 p.m. 10-7-78. Held OK. Drilled out DV tool and RIH to 11,600'. Tested casing to 2000 psi from 4:30 p.m. 10-7-78, held OK. Ran bond log from 11,640' to 5500'. Bond satisfactory. Drilled float collar and 35' of cement and tested to 2000 psi from 9:00 to 9:30 p.m. 10-8-78. Held OK. Drilled out shoe at 4:00 a.m. 10-9-78 with 6-1/2 bit.

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

SIGNED Ron Brown /Ron Brown

TITLE Field Project Manager

DATE 10-9-78

APPROVED BY W. A. Gressett

TITLE SUPERVISOR, DISTRICT II

DATE OCT 25 1978

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OCT 11 1978

O. C. C.
ARTESIA, OFFICE

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease	
State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	
7. Unit Agreement Name	
8. Farm or Lease Name	
South Culebra Bluff Unit	
9. Well No.	
1	
10. Field and Pool, or Wildcat	
Wildcat - Atoka	
12. County	
Eddy	

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 type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER-	
Name of Operator	
Delta Drilling Company	
Address of Operator	
P.O. Box 2113 Midland, Texas 79702	
2. Location of Well	
UNIT LETTER <u>G</u> 1980 FEET FROM THE <u>north</u> LINE AND 1650 FEET FROM	
THE <u>east</u> LINE, SECTION <u>23</u> TOWNSHIP <u>23S</u> RANGE <u>28E</u> NMPM.	
15. Elevation (Show whether DF, RT, GR, etc.)	
2996 GR	

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>

SUBSEQUENT REPORT OF:

REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
CASING TEST AND CEMENT JOBS <input type="checkbox"/>	OTHER <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.

10-9-78 7" casing set @ 11,750'. Plan to drill out from 7" with 6-1/8" bit to 11,820' or 50 feet below the pay zone. After logging, a permanent packer will be set in the 7" at approximately 100' above the pay zone. Well will be produced through 2-7/8" C-75 DSS tubing.

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

SIGNED Ron Brown / Ron Brown TITLE Field Project Manager DATE 10-9-78

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE OCT 25 1978

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Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

<p>SUNDY NOTICES AND REPORTS ON WELLS O. C. C. <small>DO NOT USE THIS FORM FOR OPERATIONS TO BE REPORTED TO A DISTRICT OFFICE</small></p>		<p>5a. Indicate Type of Lease State <input type="checkbox"/> Fee <input checked="" type="checkbox"/></p>
<p>1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER</p>		<p>5. State Oil & Gas Lease No.</p>
<p>2. Name of Operator Delta Drilling Company</p>		<p>7. Unit Agreement Name</p>
<p>3. Address of Operator P.O. Box 2113 Midland, TX 79702</p>		<p>8. Farm or Lease Name South Culebra Bluff Unit</p>
<p>4. Location of Well UNIT LETTER G 1980 FEET FROM THE North LINE AND 1650 FEET FROM THE East LINE, SECTION 23 TOWNSHIP 23S RANGE 28E N.M.P.M.</p>		<p>9. Well No. 1</p>
<p>15. Elevation (Show whether DF, RT, GR, etc.) 2996 GR</p>		<p>10. Field and Pool, or Wildcat Wildcat - Atoka</p>
<p>12. County Eddy</p>		

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 ☐
 OTHER ☐

PLUG AND ABANDON ☐
 CHANGE PLANS ☐

REMEDIAL WORK ☐
 COMMENCE DRILLING OPS. ☐
 CASING TEST AND CEMENT JOG ☐
 OTHER ☐

ALTERING CASING ☐
 PLUG AND ABANDONMENT ☐

Completion Report ☒

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.

10/14/78 Well was TD @ 11,876' (logger depth). Well was logged from 11,876' to 11,745'; DLL/MSFL, CNL/FDC logs were run. A Baker Model "D" Packer was set @ 11,720'. 11,720' of 2-7/8" 6.5#/ft. N-80 tbg. was run and set @ 11,720'. Tbg. was tested to 7000# by hydrostatic. Well is ready to producer.

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

SIGNED J. E. Brusenhan J. E. Brusenhan

TITLE Operations Mgr.

DATE 10/15/78

APPROVED BY W. A. Gressett

TITLE SUPERVISOR, DISTRICT II

DATE OCT 25 1978

CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION COMMISSION

P. O. DRAWER DD

ARTESIA, NEW MEXICO 88210

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OCT 24 1978

O. C. C.
ARTESIA, OFFICE

NOTICE OF GAS CONNECTION

DATE October 20, 1978

This is to notify the Oil Conservation Commission that connection for the purchase
of gas from the Delta Drilling Co.

Culebra Bluff Unit, #1 G 23-23-28
LEASE WELL & UNIT S.T.R.

Wildcat Atoka, El Paso Natural Gas Co.
POOL NAME OF PURCHASER

was made on October 20, 1978 *, 24853
SITE CODE

* Reconnect after Workover & Completion

El Paso Natural Gas Co.

PURCHASER

Thomas R. Elliott
REPRESENTATIVE *uc*

Gas Production Status Analyst
TITLE

TRE:bl

cc: Operator
Oil Conservation Commission - Santa Fe
H. P. Logan
T. J. Crutchfield
Proration
File

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LAND OFFICE	
TRANSPORTER	OIL GAS
OPERATOR	1
PRODUCTION OFFICE	1

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

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

RECEIVED

OCT 19 1978

I. OPERATOR
Delta Drilling Company ✓
Address
P.O. Box 2113, Midland, TX 79702
Reason(s) for filing (check proper box)
New Well ☒ Change in Transporter of: Oil ☐ Dry Gas ☐
Recompletion ☐ Casinghead Gas ☐ Condensate ☐
Change in Ownership ☐ Other (Please explain)

If change of ownership give name and address of previous owner

5987

II. DESCRIPTION OF WELL AND LEASE

Lease Name: South Culebra Bluff Unit
Well No.: 1
Pool Name, Including Formation: Atoka Wildcat
Kind of Lease: Fee
Location:
Unit Letter: G; 1980 Feet From The N Line and 1650 Feet From The E
Line of Section: 23 Township: 23S Range: 28E, NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☒ The Permian Corp.
Address (Give address to which approved copy of this form is to be sent) P.O. Box 3119, Midland, TX 79701
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒ El Paso Natural Gas
Address (Give address to which approved copy of this form is to be sent) P.O. Box 1492, El Paso, TX 79978
If well produces oil or liquids, give location of tanks. Unit: G Sec: 23 Twp: 23S Rge: 28E
Is gas actually connected? Yes When 10-20-78
1-26-78

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 Sure Heave
Date Spudded 11/6/77 Date Compl. Ready to Prod. 10/16/78 Total Depth 11,876 P.D.T.D. 11,876
Elevations (D.P., RKB, RT, GR, etc.) 2995.5 Name of Producing Formation Atoka Top Oil/Gas Pay 11,265 Tubing Depth 11,720
Perforations OH 11745-876 Depth Casing Shoe 11745
TUBING, CASING, AND CEMENTING RECORD
HOLE SIZE CASING & TUBING SIZE DEPTH SET SACKS CEMENT
Conductor 20 34 5 cu. yd. ready mix
17-1/2 13-3/8 418 500 Class C
12-1/4 9-5/8 36# & 40# 6355 2705 SX
8-1/4 7" 26.4 # & 29.4# 11,745 1605 TLW & Class C

V. TEST DATA AND REQUEST FOR ALLOWABLE (See attached well drawing of total volume of load oil and must be equal to or exceed top oil available for this depth or 22 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 14.6 Length of Test 6 hours Uble. Condensate/MCF TSMW Gravity of Condensate
Testing Method (Flow, back pr.) Tubing Pressure (shut-in) 3200# Casing Pressure (shut-in) C Choke Size 1/2
Bk/Pr

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.

J. E. Brusenhan
(Signature)
Operations Manager
10/18/78
(Date)

OIL CONSERVATION COMMISSION

APPROVED OCT 25 1978
BY W. A. Gussert
TITLE SUPERVISOR, DISTRICT II

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 available tests taken on the well in accordance with RULE 111.
All portions of this form must be filled out completely for allowable to be used and to complete a well.
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of conditions.

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FILE	1
U.S.G.S.	2
LAND OFFICE	
OPERATOR	

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

Form C-105
Revised 11-1-78

RECEIVED

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/>		2. Name of Operator Delta Drilling Co.		3. Address of Operator P. O. Box 2113 Midland, Texas 79702		4. Location of Well UNIT LETTER G LOCATED 1980 FEET FROM THE North LINE AND 1650 FEET FROM THE East LINE OF SEC. 23 TWP. 23S RGE. 28E NMPM		5. Indicate Type of Lease State <input type="checkbox"/> Fed <input checked="" type="checkbox"/>		6. State Oil & Gas Lease No.	
7. Unit Agreement Date		8. Form of Lease Name South Culebra Bluff Unit		9. Well No. 1		10. Field and Pool, or Wildcat Wildcat Atoka		11. County Eddy		12. Elevations (DF, RKB, RT, GR, etc.) 2995.5 GR 2995.5	
13. Date Spudded 11-6-77		14. Date T.D. Reached 10-14-78		15. Date Compl. (Ready to Prod.) 10-19-78		16. Date Directional Survey Made yes		17. Date Well Cored no		18. Date Directional Survey Made yes	
19. Total Depth 11879		20. Plug Back T.D. 11879		21. If Multiple Compl., How Many ---		22. Intervals Drilled By Rotary Tools		23. Cable Tools 11879		24. Producing Interval(s), of this completion - Top, Bottom, Name 11750 - 11879 Atoka	
25. Type Electric and Other Logs Run CN-FDC, BHC, DLL-MSFL, Cyberlook		26. CASING RECORD (Report all strings set in well)		27. LINER RECORD		28. TUBING RECORD		29. PERFORATION RECORD (Interval, size and number)		30. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
Casing Size		Weight LB./FT.		Depth Set		Hole Size		Cementing Record		Amount Pulled	
13 3/8				418		17 1/2		500 sks		0	
9 5/8				6355		12 1/4		2705 sks		0	
7				11750		8 3/4		1405 sks		0	
Size		Top		Bottom		Sacks Cement		Screen		Packer Set	
										2 7/8 11721 11720	
Date First Production 10-19-78		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing		Well Status (Prod. or Shut-in) Prod.		Date of Test 10-21-78		Hours Tested 24		Choke Size 5/8	
Flow Tubing Press. 1275		Casing Pressure Packer		Calculated 24-Hour Rate TSTM		Oil - Bbl. TSTM		Gas - MCF 10.7		Water - Bbl. TSTM	
Disposition of Gas (Sold, used for fuel, vented, etc.) Sold		Test Witnessed By J. E. Brusenhan		Oil Gravity - API (Corr.) ---		Gas - MCF 10.7		Water - Bbl. TSTM		Oil Gravity - API (Corr.) ---	
31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.											
32. SIGNED R. BROWN TITLE Field Project Manager DATE 10-30-78											

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radioactivity log run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured by this. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 10 through 34 shall be reported for each zone. The form is to be filed in quadruplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy	T. Canyon	11004	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	11424	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka	11480	T. Fictured Cliffs	T. Penn. "D"
T. Yates	T. Miss		T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian		T. Menefee	T. Madison
T. Queen	T. Silurian		T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya		T. Mancos	T. McCracken
T. San Andres	T. Simpson		T. Gallup	T. Ignacio Qtzite
T. Glorieta	T. McKee		Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger		T. Dakota	
T. Blinberry	T. Gr. Wash		T. Morrison	
T. Tubb	T. Granite		T. Todillo	
T. Drinkard	T. Delaware Sand	2618	T. Entrada	
T. Abo	T. Bone Springs	6698	T. Wingate	
T. Wolfcamp	T.		T. Chinle	
T. Penn.	T.		T. Permian	
T. Cisco (Bough C)	T.		T. Penn. "A"	

OIL OR GAS SANDS OR ZONES

No. 1, from 11747' to 11780'	No. 4, from _____ to _____
No. 2, from _____ to _____	No. 5, from _____ to _____
No. 3, from _____ to _____	No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

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

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	672	672	Gyp Clay & Lime				
672	1620	948	Anhy				
1620	2618	1998	Anhy Salt Gyp				
2618	3033	415	Sand				
3033	6698	3665	Anhy Sand Shale				
6698	9658	2960	Lime & Shale				
9658	10304	646	Lime & Shale				
10304	10838	534	Lime & Shale				
10838	11004	166	Lime & Shale				
11004	11424	420	Lime & Shale				
11424	11700	276	Lime & Shale				
11700	11879	179	Lime Sand & Shale				

Copy to 27

(Form C-123)
(Revised 7/1/52)

REQUEST FOR THE EXTENSION OF AN EXISTING POOL

OR

THE CREATION OF A NEW POOL

TO: The Oil Conservation Commission
State of New Mexico

Date 12-11-78, 19

The Delta Drilling Co. South Culebra Bluff Unit
Name of Operator Name of Lease

1 Located 1980 feet from the North line and 1650 feet
Well No.

from the East line of 23 23S 28 E
Section Township Range

is outside the boundaries of any pool producing from the same formation. On the basis of the information submitted here
with on form C-105, we hereby request that the

pool be extended to include the following described area

or that a new pool be created to include the following described area pool at present time to cover
only this well.

Suggested name: South Culebra Bluff (Lower Atoka)

Delta Drilling Co.
Operator

Name of Producing Formation:

Atoka

Ron Brown R. Brown
Representative

*R-5987
S. Culebra Bluff Atoka*

RECEIVED

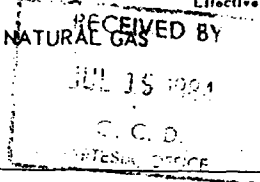
DEC 15 1978

O. C. C.
ARTESIA, OFFICE

DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL <input checked="" type="checkbox"/>
	GAS <input checked="" type="checkbox"/>
OPERATOR	
PRODUCTION OFFICE	

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

Form C-104
Supersedes Old C-104 as
Effective 1-1-65



Operator
DeltaUS Corporation

Address
3100 C North A Street, Midland, Texas 79705

Reason(s) for filing (check proper box)

New Well <input type="checkbox"/>	Change in Transporter of: <input type="checkbox"/>	Other (Please explain)
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/>	Name change from Delta Drilling Company only.
Change in Ownership <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/>	
	Dry Gas <input type="checkbox"/>	
	Condensate <input type="checkbox"/>	

If change of ownership give name and address of previous owner **Delta Drilling Company, 3100 C North A Street, Midland, Texas 79705**

II. DESCRIPTION OF WELL AND LEASE

Lease Name South Culebra Bluff Unit	Well No. 1	Pool Name, including Formation South Culebra Bluff Atoka	Kind of Lease State, Federal or Fee Fee	Lease
Location				
Unit Letter G	: 1980 Feet From The North Line and 1650 Feet From The East			
Line of Section 23	Township 235	Range 28E	NMPM,	Eddy Cole

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)
The Permian Corp.	Box 3115 Midland, TX 79705
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)
El Paso Natural Gas Co.	Box 492 El Paso, TX 79901
If well produces oil or liquids, give location of tanks.	Is gas actually connected? When
Unit 6 Sec. 23 Twp. 23 Rge. 28	Yes 10-20-78 1-26-78

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	Some Rest.	Diff. P.
Date Spudded	Date Compl. Ready to Prod.	Total Depth			P.B.T.D.				
Elevations (DF, RKB, RT, GR, etc.)	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				
					Post F.O-3				
					3-38-85				
					Chg. Op.				

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 10% of total volume of load oil 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/MCF	Gravity of Condensate
Testing Method (pilot, 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.

Senior Engineer
(Title)
7/6/84
(Date)

OIL CONSERVATION COMMISSION
MAR 22 1985
APPROVED _____, 19____
BY ORIGINAL SIGNED
BY LARRY BROOKS
TITLE GEOLOGIST - NMOC

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

RECEIVED BY

APR -8 1985

O. C. D.
ARTESIA, OFFICE

OIL CONSERVATION DIVISION
P. O. DRAWER DD
ARTESIA, NEW MEXICO 88210

DATE: April 4, 1985

NOTICE OF GAS CONNECTION

This is to notify the Oil Conservation Division that connection for the purchase of


gas from the Delta Drilling Company
OPERATOR

South Culeba Bluff #1, #26#4, CPD, Eddy 23-23-28
LEASE & WELL COUNTY UNIT S-T-R

Atoka S. Culeba Bluff #1, #26#4 El Paso Natural Gas
POOL NAME OF PURCHASER

was made on March 29, 1985 32547 301
DATE SITE CODE & SITE WELL NUMBER

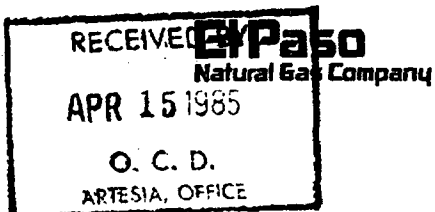
EL PASO NATURAL GAS COMPANY
PURCHASER


ROBERT PATTERSON - Representative

Systems Dispatching Production
Coordinator, Title

c: Oil Conservation Division
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Production Control - M/O
Gas Purchases - M/O
Operator
Earl Smith, Production - Jal
Charlie Annett - Midland
Joe Robinson - Jal
Eunice Field Lines
Jal Field Lines
Bill Cranford - Jal
Carl Frymire - Jal
File



P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-541-2600

April 10, 1985

Oil Conservation Division
State of New Mexico
P. O. Drawer DD
Artesia, New Mexico 88210

Gentlemen:

This is to advise that on March 29, 1985 the Delta Drilling Company, So. Culebra Bluff #1 gas well located in Unit G of Section 23, Township 23, Range 28 Eddy County, New Mexico was disconnected from El Paso Gas Company's gathering system. This meter is blind plated and will remain on location temporarily, but inoperative until permanent status of the measuring arrangement is determined. The disconnection was due to make a tie in to the suction of So. Colebra Bluff #3 and #4.

Yours truly,



Robert Patterson
Production Coordinator

RP/a

c: Oil Conservation Division
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Production Control - M/O
Gas Purchases - M/O
Operator
Earl Smith - Production Jal
Charlie Annett - Midland
Joe Robinson - Jal
Eunice Field Lines
Jal Field Lines
Bill Cranford - Jal
File

RECEIVED BY

AUG 20 1985

O. C. D.
ARTESIA, OFFICESTATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-104
Revised 10-01-76
Format 06-01-83
Page 1

NO. OF COPIES DESIRED		
DISTRIBUTION		
SANTA FE		<input checked="" type="checkbox"/>
FILE		<input checked="" type="checkbox"/>
U.S.G.S.		
LAND OFFICE		
TRANSPORTER	OIL <input checked="" type="checkbox"/>	
	NAT <input checked="" type="checkbox"/>	
OPERATOR		<input checked="" type="checkbox"/>
PRODUCTION OFFICE		

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator
Reading & Bates Petroleum Co. ✓

Address
2412 N. Grandview, Suite 201, Odessa, Texas 79761

Reason(s) for filing (Check proper box)

<input type="checkbox"/> New Well	Change in Transporter of:	Other (Please explain) Effective July 1, 1985
<input type="checkbox"/> Recompletion	<input type="checkbox"/> Oil <input type="checkbox"/> Dry Gas	
<input checked="" type="checkbox"/> Change in Ownership	<input type="checkbox"/> casinghead Gas <input type="checkbox"/> Condensate	

If change of ownership give name and address of previous owner DeltaUS Corporation, 3100 C. North "A" Street, Midland, Texas 79705

II. DESCRIPTION OF WELL AND LEASE

Lease Name South Culebra Bluff Unit	Well No. 1	Pool Name, including Formation South Culebra Bluff Atoka	Kind of Lease State, Federal or Fee Fee	Lease #
Location Unit Letter <u>G</u> : <u>1980</u> Feet From The <u>North</u> Line and <u>1650</u> Feet From The <u>East</u> Line of Section <u>23</u> Township <u>23S</u> Range <u>28E</u> , NMPM, <u>Eddy</u> Coun.				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

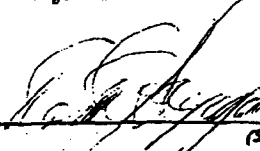
Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
The Permian Corporation	P. O. Box 1183, Houston, Texas 77001
Name of Authorized Transporter of Casinghead Gas <input 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 Company	P. O. Box 1492, El Paso, Texas 79978
If well produces oil or liquids, give location of tanks.	Is gas actually connected? When
Unit <u>G</u> Sec. <u>23</u> Twp. <u>23</u> Rge. <u>28</u>	Yes October 20, 1978

If this production is commingled with that from any other lease or pool, give commingling order number: last ID# 8-30-85

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)
Area Superintendent
(Title)
August 14, 1985
(Date)

OIL CONSERVATION DIVISION

APPROVED AUG 28 1985, 19
BY Original Signed By
Les A. Clements
TITLE Supervisor District II

This form is to be filed in compliance with RULE 1104.
If this is a request for allowable for a newly drilled or deepen well, this form must be accompanied by a tabulation of the deviate 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 multiphase completed wells.

RECEIVED

State of New Mexico
Energy, Minerals and Natural Resources DepartmentForm C-104
Revised 1-1-89
See Instructions
at Bottom of PageSubmit 5 Copies
Appropriate District Office
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240DISTRICT II
P.O. Drawer DD, Artesia, NM 88210DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

JUN 26 '89

OIL CONSERVATION DIVISION

O. C. D.

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

ARTESIA OFFICE

REQUEST FOR ALLOWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

Santa Fe		
Fire		
Transporter	Oil	
Operator	Gas	

Operator RB Operating Company		Well APT No.
Address 2412 N. Grandview, Suite 201, Odessa, Texas 79761		
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)		
New Well <input type="checkbox"/>	Change in Transporter of:	
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/>	Dry Gas <input type="checkbox"/>
Change in Operator <input checked="" type="checkbox"/>	Casinghead Gas <input type="checkbox"/>	Condensate <input type="checkbox"/>
Effective June 1, 1989		
If change of operator give name and address of previous operator Reading & Bates Petroleum Co., 2412 N. Grandview, Suite 201, Odessa, Tx 79761		

II. DESCRIPTION OF WELL AND LEASE

Lease Name South Culebra Bluff Unit	Well No. 1	Pool Name, including Formation South Culebra Bluff Atoka	Kind of Lease State, Federal or Fee	Lease No.
Location				
Unit Letter G : 1980 Feet From The North Line and 1650 Feet From The East Line				
Section 23 Township 23S Range 28E NMPM Eddy County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)	
The Permian Corporation	P.O. Box 1183, Houston, Texas 77001	
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 79978	
If well produces oil or liquids, give location of tanks.	Unit	Sec.
	G	23
	Twp.	23
	Rgn.	28
Is gas actually connected?	When?	
Yes	10/20/78	

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.		
Elevations (DF, RKB, RT, GR, etc.)	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 Tank	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 (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR 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 above is true and complete to the best of my knowledge and belief.

Signature Larry Ramsey Vice President
 Printed Name Larry Ramsey Title
 Date June 21, 1989 (918) 492-0447
 Telephone No.

OIL CONSERVATION DIVISION

Date Approved OCT 20 1989By ORIGINAL SIGNED BY

MIKE WILUAMS

Title SUPERVISOR, DISTRICT II

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

RECEIVED

JUL 01 1991

FILE

DISTRICT II
P.O. Drawer DD, Aztec, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

O. C. D.
ARTESIA, CERRILLO

Operator RB Operating Company		Well APN No.
Address 2412 N. Grandview, Suite 201, Odessa, Texas 79761		
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)		
New Well <input type="checkbox"/>	Change in Transporter of: <input type="checkbox"/> Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>	
Recompletion <input type="checkbox"/>	Effective July 1, 1991	
Change in Operator <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input checked="" type="checkbox"/>	
If change of operator give name and address of previous operator		

II. DESCRIPTION OF WELL AND LEASE

Lease Name South Culebra Bluff Unit	Well No. 1	Pool Name, Including Formation South Culebra Bluff Atoka	Kind of Lease State, Federal or Fee	Lease No.
Location				
Unit Letter G	1980	Feet From The North	Line and 1650	Feet From The East
Section 23	Township 23S	Range 28E	NMPM, Eddy	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"/>	Address (Give address to which approved copy of this form is to be sent)					
Amoco Production Company	P.O. Box 591, Tulsa, OK 74102					
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
El Paso Natural Gas Company	P.O. Box 1492, El Paso, Texas 79978					
If well produces oil or liquids, give location of tanks.	Unit G	Sec. 23	Twp. 23S	Rge. 28E	Is gas actually connected? Yes	When? 10/20/78

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.					
Elevations (DF, RKB, RT, GR, etc.)	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 Tank	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 (pucl, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR 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 above is true and complete to the best of my knowledge and belief.

Signature
F. D. Schoch
Area Manager
Printed Name
6/27/91
Date
(915) 362-6302
Telephone No.

OIL CONSERVATION DIVISION

Date Approved JUL 01 1991

By ORIGINAL SIGNED BY
MIKE WILLIAMS
Title SUPERVISOR, DISTRICT II

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

RECEIVED

AUG 05 1991

REQUEST FOR ALLOWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

O. C. D.
ARTESIA, OFFICE

Operator RB Operating Company		Well API No.
Address 2412 N. Grandview, Suite 201, Odessa, Texas 79761		
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)		
New Well <input type="checkbox"/>	Change in Transporter of:	
Recompletion <input type="checkbox"/>	Oil <input checked="" type="checkbox"/> Dry Gas <input type="checkbox"/>	
Change in Operator <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>	
If change of operator give name and address of previous operator		

II. DESCRIPTION OF WELL AND LEASE

Lease Name South Culebra Bluff Unit	Well No. 1	Pool Name, Including Formation South Culebra Bluff Atoka	Kind of Lease State, Federal or Fee	Lease No.
Location				
Unit Letter G	1980	Feet From The North	Line and 1650	Feet From The East
Section 23	Township 23S	Range 28E	NMPM, Eddy	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"/> Amoco Pipeline Intercompany Trucking	Address (Give address to which approved copy of this form is to be sent) P.O. Box 702068, Tulsa, OK 74170-2068					
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/> El Paso Natural Gas Company	Address (Give address to which approved copy of this form is to be sent) P.O. Box 1492, El Paso, Texas 79978					
If well produces oil or liquids, give location of tanks.	Unit G	Sec. 23	Twp. 23S	Rge. 28E	Is gas actually connected? Yes	When? 10/20/78

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.			
Elevations (DF, RKB, RT, GR, etc.)	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 Tank	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 (puar, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR 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 above is true and complete to the best of my knowledge and belief.

Signature
F. D. Schoch Area Manager
Printed Name Title
8/1/91 (915) 362-6302
Date Telephone No.

OIL CONSERVATION DIVISION

Date Approved AUG 05 1991

By ORIGINAL SIGNED BY
MIKE WILLIAMS
Title SUPERVISOR, DISTRICT II

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

OIL CONSERVATION DIVISION

RECEIVED

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

FEB 27 1992

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

REQUEST FOR ALLOWABLE AND AUTHORIZATION O. C. D.
TO TRANSPORT OIL AND NATURAL GAS

I. Operator
RB Operating Company
Address
2412 N. Grandview, Suite 201, Odessa, Texas 79761
Reason(s) for Filing (Check proper box)
New Well ☐ Change in Transporter of:
Recompletion ☐ Oil ☒ Dry Gas ☐ Effective March 1, 1992
Change in Operator ☐ Casinghead Gas ☐ Condensate ☐
If change of operator give name and address of previous operator

II. DESCRIPTION OF WELL AND LEASE

Lease Name South Culebra Bluff Unit Well No. 1 Pool Name, including Formation South Culebra Bluff Atoka Kind of Lease State, Federal or Fee Lease No.
Location
Unit Letter G : 1980 Feet From The North Line and 1650 Feet From The East Line
Section 23 Township 23S Range 28E NMPM Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☒ or Condensate ☐ Address (Give address to which approved copy of this form is to be sent)
Pride Pipeline Company P.O. Box 2436, Abilene, Tx. 79604
Name of Authorized Transporter of Casinghead Gas ☒ or Dry Gas ☐ Address (Give address to which approved copy of this form is to be sent)
El Paso Natural Gas Company P.O. Box 1492, El Paso, Tx. 79978
If well produces oil or liquids, give location of tanks. Unit G Sec. 23 Twp. 23S Rge. 28E Is gas actually connected? Yes When? 10/20/78

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.
Elevations (DF, RKB, RT, GR, etc.) Name of Producing Formation Top Oil/Gas Psy 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 Tank 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 (pilot, back pr.) Tubing Pressure (Shut-in) Casing Pressure (Shut-in) Choke Size

VI. OPERATOR 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 above is true and complete to the best of my knowledge and belief.

Signature F. D. Schoch Regional Manager
Printed Name Title
2/25/92 (915) 362-6302
Date Telephone No.

OIL CONSERVATION DIVISION

Date Approved FEB 27 1992

By ORIGINAL SIGNED BY
MIKE WILLIAMS
Title SUPERVISOR, DISTRICT I

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Operator name and Address Oklahoma RB Operating Co. 601 N. Marienfeld, Ste 102 Midland, Texas 79701		OGRID Number 018890
		Reason for Filing Code CO 4-1-96
API Number 30-015-22320	Pool Name Culebra Bluff Atoka, South (Gas)	Pool Code 75740
Property Code 009453	Property Name CULEBRA BLUFF UNIT (SOUTH)	Well Number 1

II. 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	23	23S	28E		1980	North	1650	East	Eddy

Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Lee Code	Producing Method Code	Gas Connection Date	C-129 Permit Number	C-129 Effective Date	C-129 Expiration Date				

III. Oil and Gas Transporters

Transporter OGRID	Transporter Name and Address	POD	OAG	POD ULSTR Location and Description
020445	Scurlock Permian Corporation	2192510	0	
007057	El Paso Natural Gas Company	2192510	G	gas pod should be 2189530 as per Shirley Alcorn 4/24/96

RECEIVED

APR 10 1996

IV. Produced Water

POD	No water	POD ULSTR Location and Description
-----	----------	------------------------------------

**OIL CON. DIV.
DIST. 2**

V. Well Completion Data

Spud Date	Ready Date	TD	PBTD	Perforations	DHC, DC, MC
Hole Size	Casing & Tubing Size	Depth Set	Sacks Cement		

VI. Well Test Data

Date New Oil	Gas Delivery Date	Test Date	Test Length	Test Pressure	Choke Pressure
Choke Size	Oil	Water	Gas	AOF	Test Method

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

Signature:

Printed name:

Tim Gourdeau

Title:

Region Manager

Date:

4-9-96

Phone:

015 682-0095

OIL CONSERVATION DIVISION

Approved by:

SUPERVISOR, DISTRICT II

Title:

Approval Date:

APR 19 1996

If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature

Printed Name

Title

Date

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

Revised February 21, 1994

Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Operator name and Address RAM ENERGY, INC. 601 N. MARIENFELD, SUITE 102 MIDLAND, TX 79701		OGRID Number 018890
		Reason for Filing Code CO 3-1-98
API Number 30-0 15-22320	Pool Name CULEBRA BLUFF ATOKA, SOUTH (GAS)	Pool Code 75740
Property Code 009453	Property Name CULEBRA BLUFF UNIT (SOUTH)	Well Number 1

II. 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	23	23S	28E		1980	NORTH	1650	EAST	EDDY

Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Lea Code	Producing Method Code	Gas Connection Date	C-129 Permit Number	C-129 Effective Date	C-129 Expiration Date				

III. Oil and Gas Transporters

Transporter OGRID	Transporter Name and Address	POD	O/G	POD ULSTR Location and Description
167356	SCURLOCK PERMIAN LLC	2192510	O	
007057	EL PASO NATURAL GAS CO.	2189530	G	

IV. Produced Water

POD	POD ULSTR Location and Description NO WATER
-----	--

V. Well Completion Data

Spud Date	Ready Date	TD	PSTD	Perforations	DHC, DC, MC
Hole Size	Casing & Tubing Size	Depth Set	Sacks Cement		
				Posted TD 3 4-3-98 Casing OK	

VI. Well Test Data

Date New Oil	Gas Delivery Date	Test Date	Test Length	Tbg. Pressure	Cog. Pressure
Choke Size	Oil	Water	Gas	AOF	Test Method

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

Signature: *Tim Goudeau*
Printed name: Tim Goudeau

Title: Region Manager

Date: 2-20-98

Phone 915-682-0095

OIL CONSERVATION DIVISION

Approved by:

SUPERVISOR, DISTRICT II

Title:

Approval Date:

MAR 18 1998

If this is a change of operator fill in the OGRID number and name of the previous operator

RB OPERATING, CO OGRID # 018890

Tim Goudeau Region Manager

3-16-98

Previous Operator Signature

Printed Name

Title

Date

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-104A
Revised June 10, 2003

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit 1 copy of the final affected wells
list along with 1 copy of this form per
number of wells on that list to appropriate
District Office

RECEIVED

MAR 28 2004

Change of Operator

OCD-ARTESIA

Previous Operator Information:

OGRID: 18890
Name: RAM Energy, Inc.
Address: 5100 E. Skelly Dr. - Suite 650
Address:
City, State, Zip: Tulsa, OK 74135

New Operator Information:

Effective Date: 03-15-04
New Ogrid: 226634
New Name: RB Operating Co.
Address: 5100 E. Skelly Dr. - Suite 650
Address:
City, State, Zip: Tulsa, OK 74135

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information on this form and the attached list of wells is true and complete to the best of my knowledge and belief.

New Operator
Signature:

Printed name:

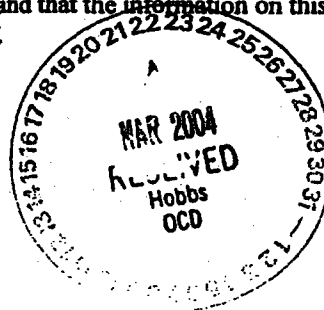
Title:

E-mail

Address:

Date:

Phone: 918/663-2800



Previous operator complete below:

Previous

Operator: RAM Energy, Inc.

Previous

OGRID: 18890

Signature:

Printed Name:

E-mail

Address:

NMOCD Approval

Signature:

Printed

Name:

District:

Date:

APR 1 2004

30-015-22320

JUN-15-2004 14:48

RPM ENERGY INC.

918 663 9540 P.01/01

Page 1 of 1

District II

1301 W. Grand Ave., Artesia, NM
88210State of New Mexico
Energy, Minerals and Natural ResourcesForm C-104A
Permit 996

Oil Conservation Division

1220 S. St Francis Dr.

Santa Fe, NM 87505

Change of Operator

Previous Operator Information

OGRID: 226634
Name: RB OPERATING COMPANY
Address: 5100 E Skelly Drive
Address: Suite 650
City, State, Zip: Tulsa, OK 74133

New Operator Information

Effective Date: 03/16/2004
OGRID: 227588
Name: RB OPERATING COMPANY
Address: 777 Main Street
Address: Suite 800
City, State, Zip: Fort Worth, TX 76102

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information on this form and the certified list of wells is true to the best of my knowledge and belief.

Previous Operator

Signature: Larry G. Rampey
Printed Name: Larry G. Rampey
Title: SR VP Operations
Date: 06/15/04 Phone: 918/663-2800

New Operator

Signature: Linda C. Spruce
Printed Name: Linda C. Spruce
Title: ENGINEERING Technician
Date: 6-15-04 Phone: 817-810-1900

NMOCD Approval

Electronic Signature: Tim Gum, District IIDate: June 17, 2004