

CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

12/18/03 11:04:41  
OGOMES -TQHS  
PAGE NO: 1

Sec : 06 Twp : 23S Rng : 31E Section Type : NORMAL

4 40.45  Federal owned U R A C A	3 39.90  Federal owned U R A C C	2 39.94  Federal owned U R A C C	1 39.98  Federal owned U R C C A
5 40.79  Federal owned U R A A	F 40.00  Federal owned U R A	G 40.00  Federal owned U R A	H 40.00  Federal owned U R

PF01 HELP  
PF07 BKWD

PF02  
PF08 FWD

PF03 EXIT  
PF09 PRINT

PF04 GoTo  
PF10 SDIV

PF05  
PF11

PF06  
PF12

CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

12/18/03 11:04:46  
OGOMES -TQHS  
PAGE NO: 2

Sec : 06 Twp : 23S Rng : 31E Section Type : NORMAL

6 40.96  Federal owned U R A C	K 40.00  Federal owned U R C C A	J 40.00  Federal owned U R A	I 40.00  Federal owned U R
7 41.13  Federal owned U R	N 40.00  Federal owned U R A C	O 40.00  Federal owned U R	P 40.00  Federal owned U R

PF01 HELP  
PF07 BKWD

PF02  
PF08 FWD

PF03 EXIT  
PF09 PRINT

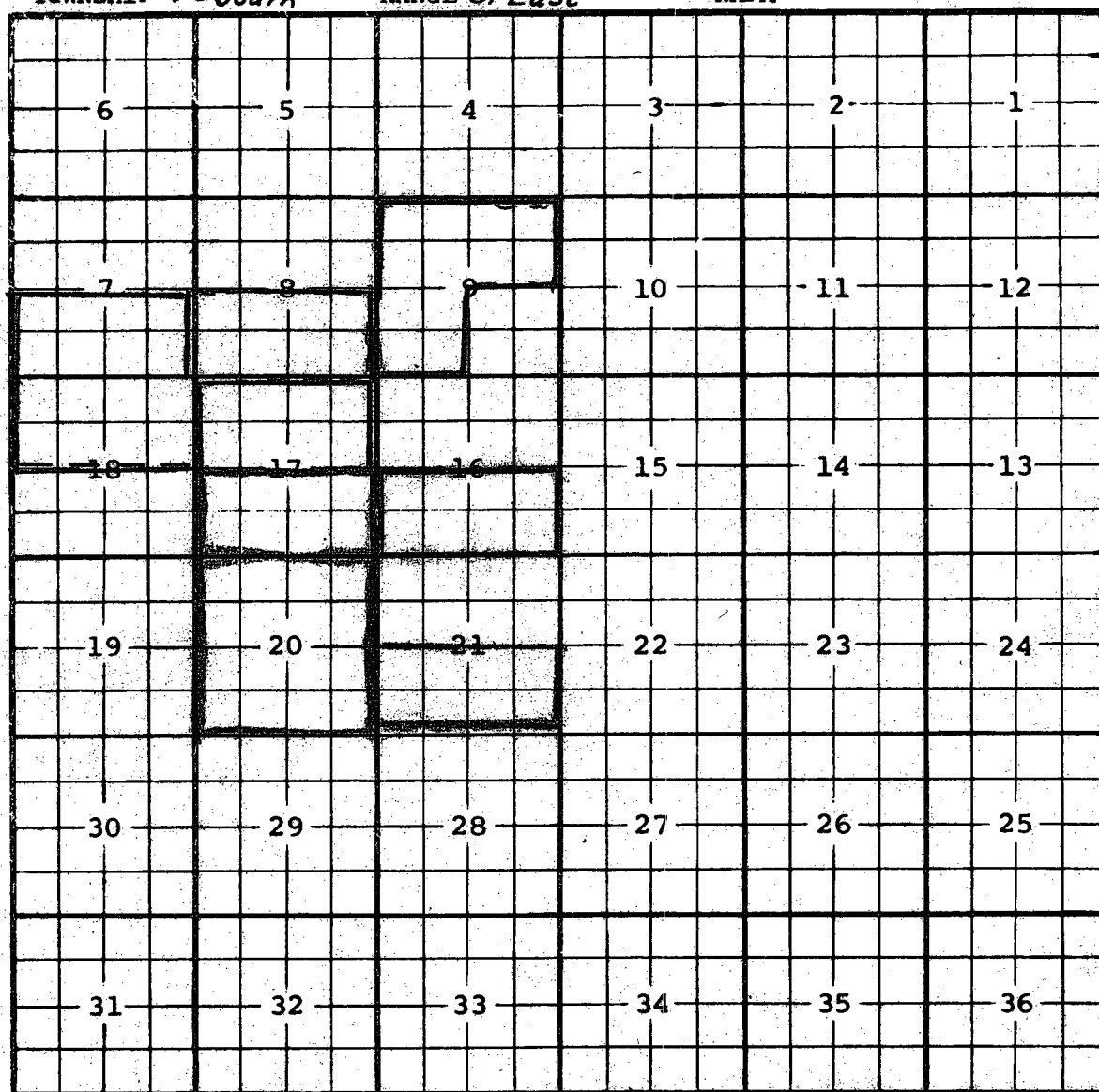
PF04 GoTo  
PF10 SDIV

PF05  
PF11

PF06  
PF12

COUNTY EddyPOOL West Sand Dunes - Atoka GasTOWNSHIP 23 SouthRANGE 31 East

NMPM

Description:  $\frac{1}{2}$  Sec. 16 (R-4232, 1-1-72)Ext: Sec. 17  $\frac{1}{2}$ , 20 All (R-7076-9-27-82) EXT:  $\frac{1}{2}$  Sec. 17 (R-9134, 4-1-90)Ext:  $\frac{1}{2}$  Sec. 7,  $\frac{1}{2}$  Sec. 18 (R-9545, 7-1-91) EXT:  $\frac{1}{2}$  Sec. 8 (R-9609, 11-7-91)Ext:  $\frac{1}{2}$  and  $\frac{3}{4}$  Sec. 9 (R-9771, 11-19-92) EXT:  $\frac{1}{2}$  Sec. 21 (R-11745, 3-19-92)

COUNTY Eddy POOL Los Medanos-Atoka Gas

TOWNSHIP 22-South RANGE 30-East NMFM

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Description:  $\frac{5}{8}$  Sec. 36, (R-1424, 7-1-59)

Ext:  $\frac{1}{2}$  E, SW  $\frac{1}{4}$  sec 36 (R-6758, 8-26-81) Ext: All Sec. 25 (R-10124, 5-31-94)

Ext:  $\frac{5}{8}$  Sec. 24 (R-10343, 4-24-95)

County Eddy Pool Los Medanos-Atoka Gas

TOWNSHIP 22 South Range 31 East NMPM

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Ext:  $\frac{5}{2}$  Sec. 31 (R-7419, 12-21-83)

COUNTY *Eddy*

POOL *Los Medanos - Atoka Gas*

TOWNSHIP *23 South*

RANGE *30 East*

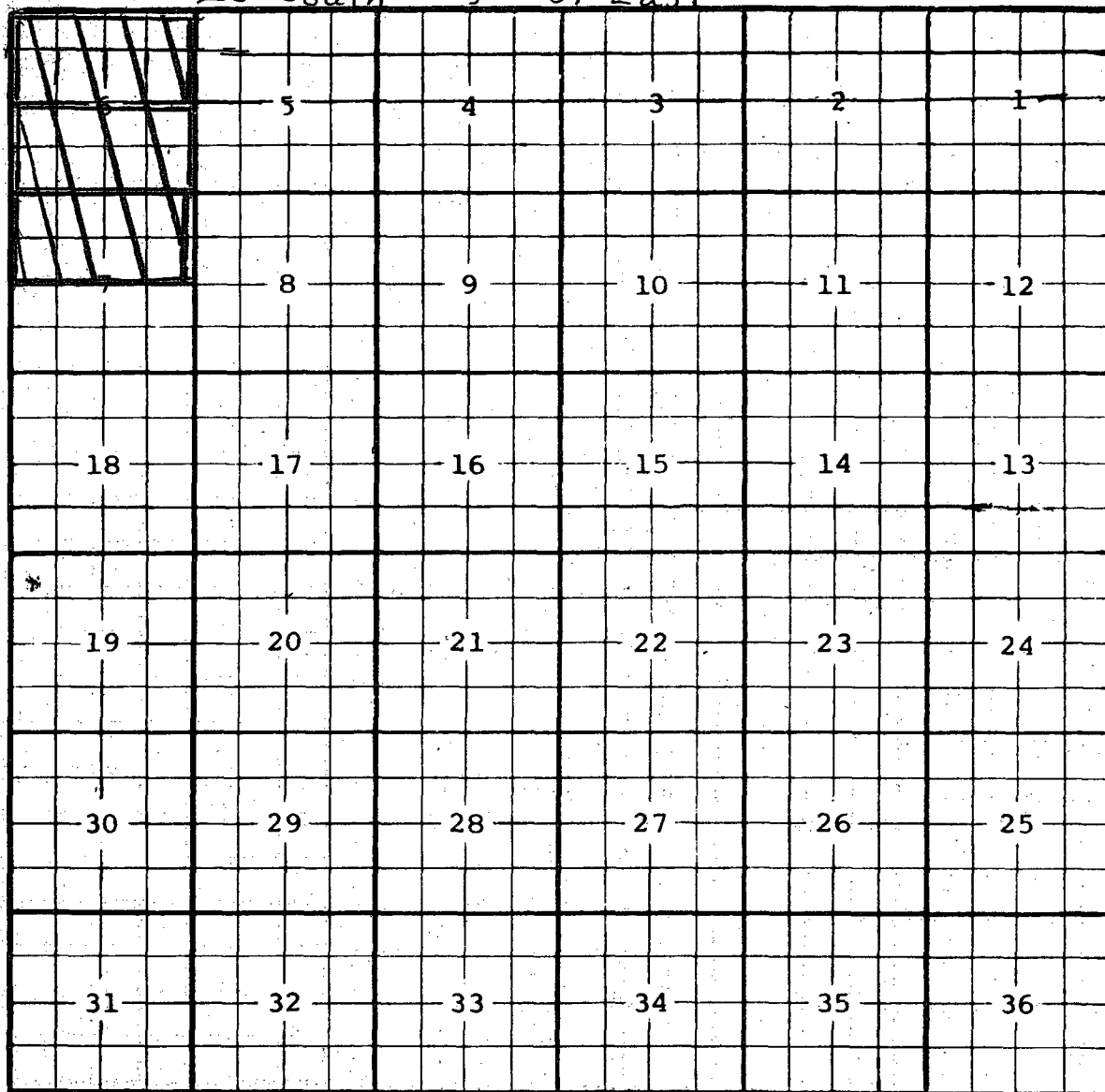
NMPM

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Ext:  $\frac{N}{2}$  Sec 1 (R-4861, 11-1-74) Ext:  $\frac{S}{2}$  Sec. 1 (R-6476, 10-1-80)

County Eddy Pool Los Medanos-Atoka Gas

TOWNSHIP 23 South Range 31 East NMPM



Ext:  $\frac{5}{2}$  Sec. 6 (R-7131, 11-30-82) Ext:  $\frac{N}{2}$  Sec. 6,  $\frac{N}{2}$  Sec. 7 (R-7419, 12-21-83)

Delete: All Sec. 6,  $\frac{N}{2}$  Sec. 7 (R-7477, 3-15-84)

```
Well No      : 004
GL Elevation: 99999
```

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
	---	---	---	---	-----	-----	-----
B.H. Locn	:	6	6	23S	31E	FTG 2180 F S FTG 330 F W	A
Lot Identifier:							
Dedicated Acre: 320.00							
Lease Type : F							
Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :							

```
PF01 HELP      PF02      PF03 EXIT      PF04 GoTo      PF05      PF06
PF07      PF08      PF09      PF10 NEXT-WC PF11 HISTORY PF12 NXTREC
```



N. M. O. C. C. COPY

SUBMIT IN TRIPPLICATE\*  
(Other instr. is on  
reverse sl.)Form approved.  
Budget Bureau No. 42-R1425.UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL  
OIL WELL ☐ GAS WELL ☒ OTHER ☐

2. NAME OF OPERATOR  
Belco Petroleum Corporation

3. ADDRESS OF OPERATOR  
2000 Wilco Building, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface  
660' FWL & 1980' FSL of Section 6  
At proposed prod. zone  
Same as above

5. LEASE DESIGNATION AND SERIAL NO.  
NM 04473 & NM 02887-D

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
James Ranch Unit

8. FARM OR LEASE NAME  
James Ranch Unit

9. WELL NO.  
4

10. FIELD AND POOL, OR WILDCAT  
Undesignated  
Morrow Gas

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 6, T-23-S, R-31-E

12. COUNTY OR PARISH  
Eddy

13. STATE  
New Mexico

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
25 miles northwest of Jol., New Mexico

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. line, if any)  
660'

16. NO. OF ACRES IN LEASE  
320

17. NO. OF ACRES ASSIGNED TO THIS WELL  
320

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED OR APPLIED FOR, ON THIS LEASE, FT.  
N.A.

19. PROPOSED DEPTH  
14,500'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
3296' GR

22. APPROX. DATE WORK WILL START\*  
2-15-73

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
20"	16"	94#	600'	650 sx.
12-1/4"	10-3/4"	40.5 & 45.5#	3,825'	2100 sx.
9-1/2"	7-5/8"	29.7#	12,100'	1900 sx.
6-1/2"	5-1/2"	23#	14,500'	1350 sx.

Mud Program: Conditioned fresh water from 3825' to 12,100'. Brine or weighted fresh water base mud as required from 12,100' to 14,500'.

BOP Program: As in sketch "A" above 12,100' and as in sketch "B" below 12,100'.

Pit Volume Totalizer will be used below 12,100' with gas separator and degasser, if required.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Glenn Cope

TITLE

District Engineer

DATE

1-16-73

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15 and 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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

**JAN 29 1973**

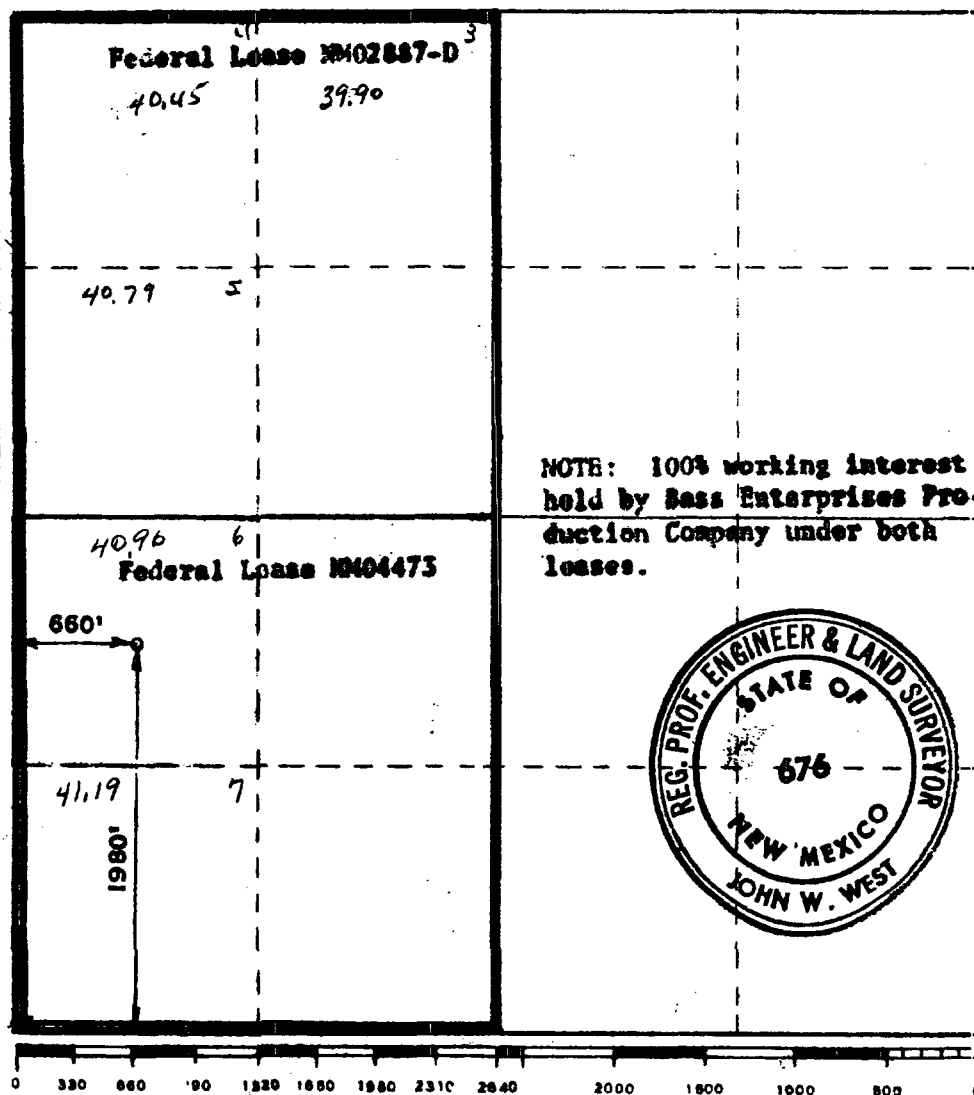
Operator <b>BELCO PETROLEUM CORP.</b>			Lease <b>JAMES RANCH UNIT</b>			Well No. <b>4</b>		
Unit Letter <b>L</b>	Section <b>6</b>	Township <b>23 SOUTH</b>	Range <b>31 EAST</b>	County <b>O.C.C. ARTERIA, OFFICE EDDY</b>				
Actual Footage Location of Well: <b>1980</b> feet from the <b>SOUTH</b> line and <b>660</b> feet from the <b>WEST</b> line								
Ground Level Elev. <b>3296.0'</b>	Producing Formation <b>Morrow</b>		Pool <b>Undesignated</b>			Dedicated Acreage: <b>323.29 320</b> 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?

☒ Yes ☐ No If answer is "yes," type of consolidation **James Ranch Unit**

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.



**CERTIFICATION**

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

*Glenm Cope*

Name

**Glenm Cope**

Position

**District Engineer**

Company

**Belco Petroleum Corporation**

Date

**January 16, 1973**

I hereby certify that the location shown on this plat was plotted from field notes and that the same is true and correct to the best of my knowledge and belief.

**RECEIVED  
JAN 19 1973  
D. E. GOLDMAN, SURVEYOR  
ARTERIA, NEW MEXICO**

Date Surveyed

**JANUARY 10, 1973**

Registered Professional Engineer  
and/or Land Surveyor

*John W. West*

Certificate No.

**676**

## Belco Petroleum Corporation

---

# Belco

January 19, 1973

United States Geological Survey  
P. O. Drawer "U"  
Artesia, New Mexico 88210

Re: Belco Petroleum Corporation  
James Ranch Unit No. 4  
1980' FSL & 660' FWL  
Section 6, T-23-S, R-33-E  
Eddy County, New Mexico

Gentlemen:

1. Existing Roads - Highway 128 is the nearest existing road.
2. Planned Access Roads - It is planned to build a road into the location straight north from Highway 128.
3. Location of Wells - This is the second Belco Petroleum Corporation well in the area, being an east offset to the Belco Petroleum Corporation James Ranch Unit No. 3.
4. Lateral Roads to Well Locations - The roads to the wells are shown on the attached plat.
5. Location of Tank Batteries and Flowlines - In case of production, any tank battery or necessary producing facility would be placed upon the drilling pad.
6. Location and Types of Water Supply - There is no ground water available in the area and water will have to be purchased from a commercial source and trucked to the location.
7. Methods for Handling Waste Disposal - It is planned to build an 8' x 4' x 4' waste pit next to the reserve pit in which to dispose of all waste.
8. Proposed Disposition of Produced Brine Water - Subject well is a gas prospect and no water production is anticipated; however, any produced brine water would be disposed of by hauling to a commercial water disposal well.
9. Disposition of Casinghead Gas - There is a ready market in the area for casinghead gas and the low pressure casinghead gas will be sold.

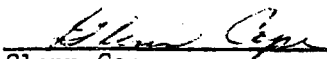
United States Geological Survey  
Belco Petroleum Corporation #4 James Ranch Unit  
January 19, 1973

Page -2-

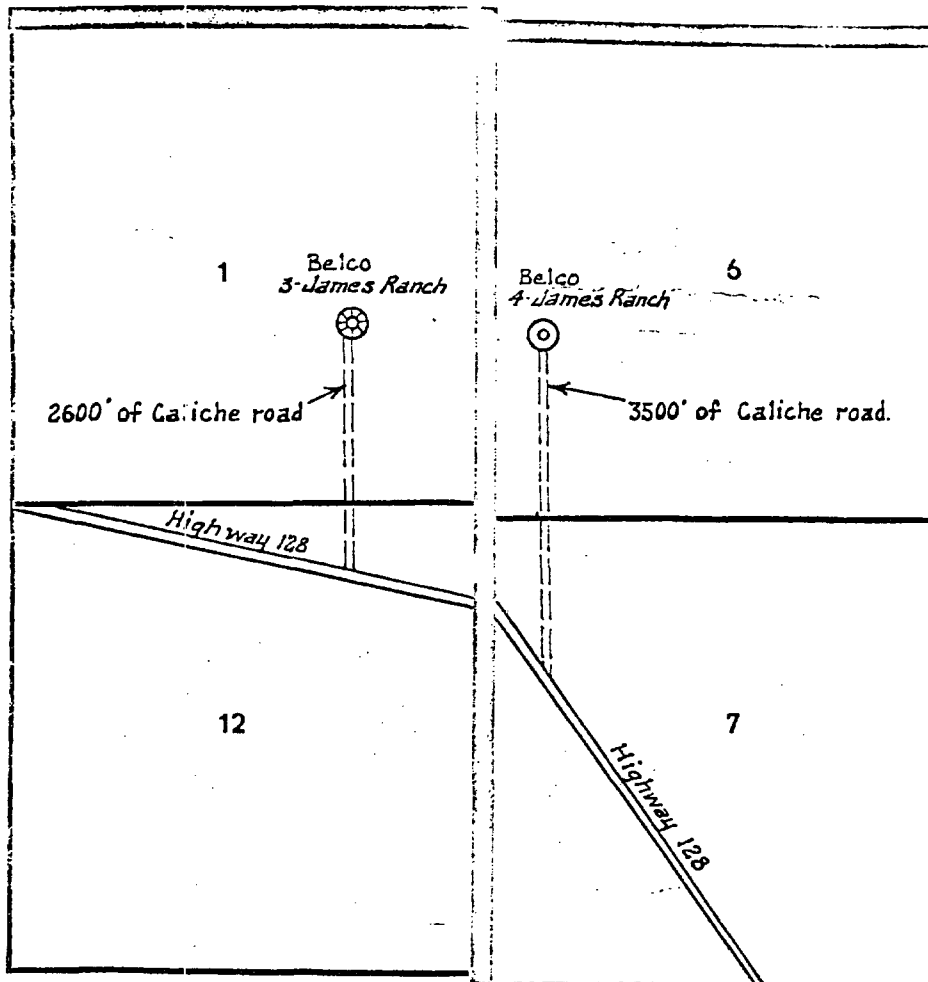
10. Location Layout - Attached is a diagram of the location showing the position of the various components of the system.
11. Plans for Restoration of the Surface - In case of a dry hole or upon abandonment of the well, all pits and cellars will be filled and leveled. The location will be leveled as nearly as possible to original top ground contour with all dead men removed, all junk and trash disposed.

Very truly yours,

BELCO PETROLEUM CORPORATION

  
\_\_\_\_\_  
Glenn Cope  
District Engineer

GC/sh  
Attachments



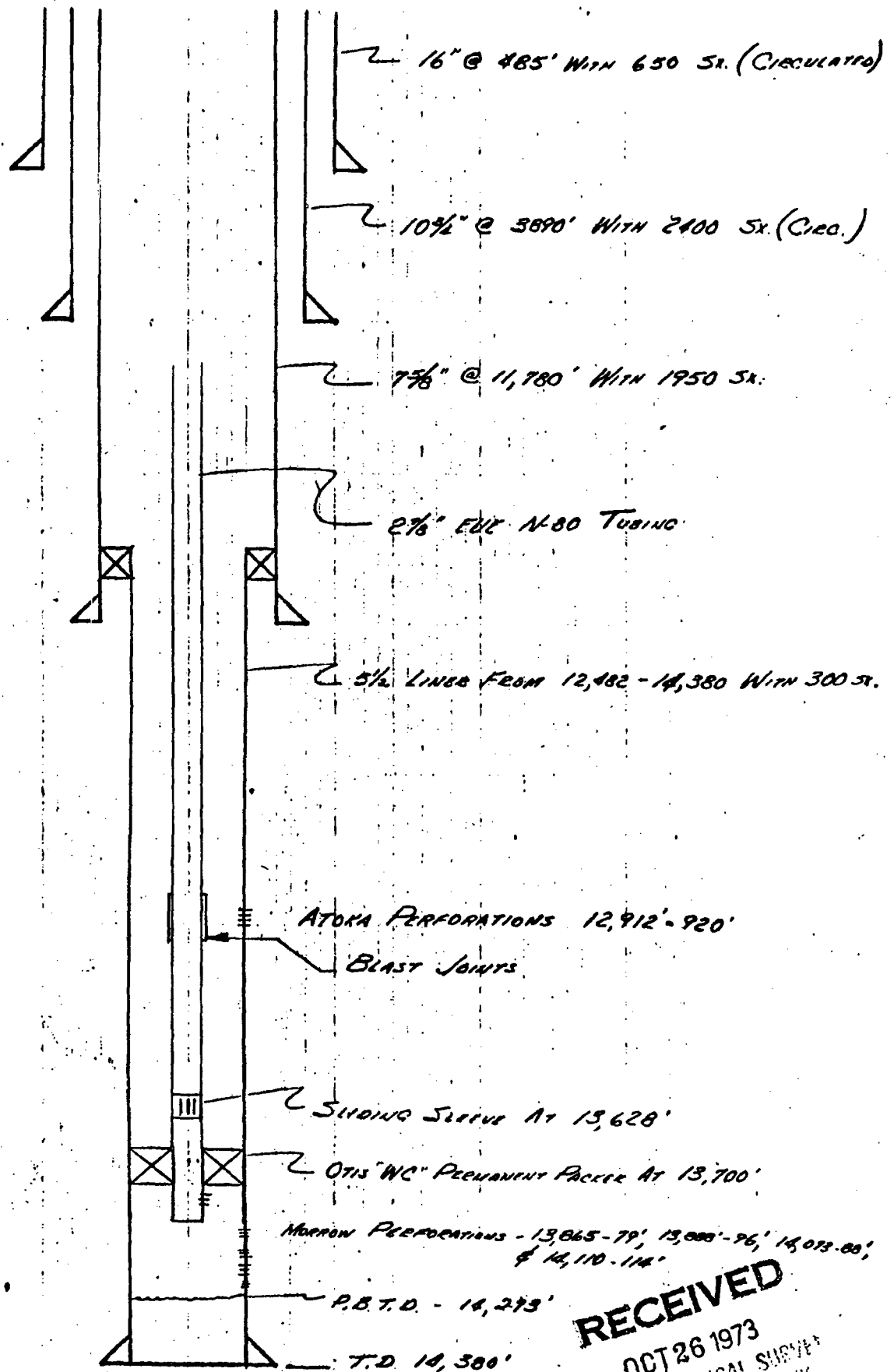
RECEIVED  
JAN 19 1973  
U.S. GEOLOGICAL SURVEY  
MIDLAND DISTRICT

**BELCO PETROLEUM CORP.**  
MIDLAND DISTRICT

JAMES RANCH UNIT WELL NO. 4

660' FWL & 1980' FSL of Section 6  
T-23-S, R-31-E  
Eddy County, New Mexico

BELCO PETR. CORP.  
JAMES RANCH UNIT NO. 4  
WELL DIAGRAM



**RECEIVED**  
OCT 26 1973  
U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO



United States Department of the Interior

GEOLOGICAL SURVEY

P. O. Drawer 1857  
Roswell, New Mexico 88201

*Copy to SF*  
**RECEIVED**

**JAN 29 1973**

**D. C. C.**  
**ARTESIA, OFFICE**

**January 26, 1973**

**Baleo Petroleum Corporation  
2000 Wilco Building  
Midland, Texas 79701**

**Gentlemen:**

**Your Notice of Intention to Drill well No. 4-James Ranch Unit in the NW 1/4 sec. 6, T. 23 S., R. 31 E., N.M.P.M., Eddy County, New Mexico, lease NM 04473, to a depth of 14,500 feet to test the Morrow formation in the Potash Area, is hereby approved.**

**One copy of the Notice is returned herewith. Please notify the District Engineer, Geological Survey, Post Office Drawer U, Artesia, New Mexico, 88210, in sufficient time for a representative to witness all cementing operations. The office phone number is Area Code 505-746-4841.**

**Sincerely yours,**

**CARL C. TEATWICK  
Acting Area Oil and Gas Supervisor**

**Attachment**

**cc:  
Washington  
Mining Branch (2)  
BMOCC-Artesia (2) (w/2 cys Notice)  
Artesia (w/cy Notice)  
Roswell (2) (w/cy Notice)**





RECEIVED *May 65*

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT JUN 8 1973

Form C-122  
Supersedes C-120  
Effective 1-1-65

All distances must be from the outer boundaries of the Section

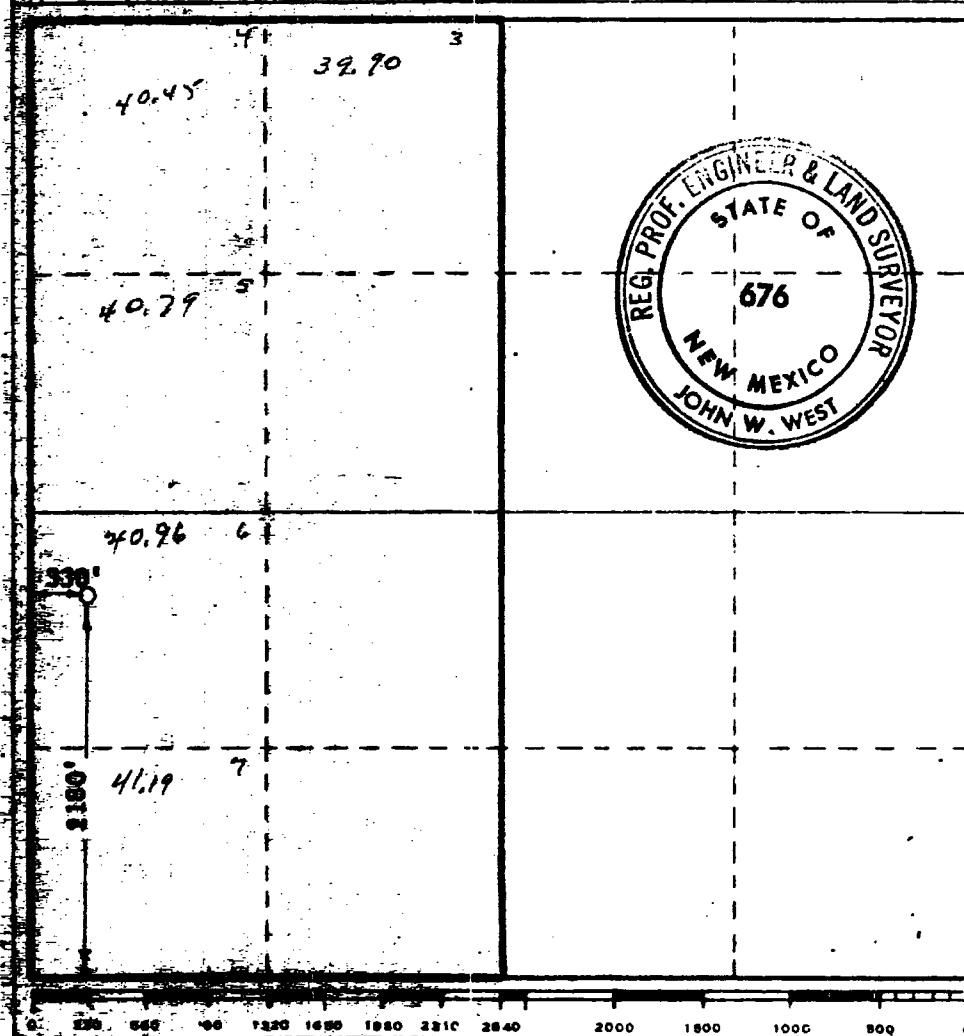
Operator <b>BELCO PETROLEUM CORPORATION</b>			Lease <b>JAMES RANCH</b>		O. C. C. Well No. <b>ARTESIA, OFFICE 4</b>	
Unit Letter <b>L</b>	Section <b>6</b>	Township <b>23 SOUTH</b>	Range <b>31 EAST</b>	County <b>EDDY</b>		
Actual Footage Location of Well: <b>2180</b> feet from the <b>SOUTH</b> line and <b>330</b> feet from the <b>WEST</b> line						
Original Level Elev. <b>3296'</b>	Producing Formation <b>Artisan</b>		Pool <b>Undesignated</b>		Dedicated Acreage: <b>320 323.29</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 James Ranch Unit

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.



CERTIFICATION

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

*John W. West*  
Name

**District Engineer**  
Position

**Belco Petroleum Corporation**  
Company

**June 7, 1973**  
Date

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  
**JUNE 6, 1973**

Registered Professional Engineer and/or Land Surveyor

*John W. West*  
Certificate No.

**676**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN REVERSE SIDE\*  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM 04473 &amp; NM 02887-D

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

James Ranch Unit

8. FARM OR LEASE NAME

James Ranch Unit

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Undesignated  
Morrow Gas11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREASection 6,  
T-23-S, R-31-E

12. COUNTY OR PARISH 13. STATE

Eddy

New Mexico

## SUNDRY NOTICES AND REPORTS ON WELLS

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

1.

OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Belco Petroleum Corporation

3. ADDRESS OF OPERATOR

2000 Wilco Building, Midland, Texas 79701

O. C. C.

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.  
See also space 17 below.)  
At surface2180' FSL & 330' FWL of Section 6, T-23-S, R-31-E,  
Eddy County, New Mexico

14. PERMIT NO.

Dated 5-4-73

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

3296' GR

16.

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

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

Spud well & set casing  
(Note: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Spudded 20" hole on May 21, 1973, and drilled to depth of 485'. Ran 11 joints (489.92') of 16", 65#, H-40, ST&C, Range 3 casing. Set casing at 461' and cemented with 450 sacks Dowell "lite weight" with 7.5" salt per sack and 1/4" celoflex per sack, followed by 200 sacks Class "C" with 2% CaCl. Circulated approximately 65 sacks to pits. Plug down at 6:25 p.m. May 22, 1973. WOC 18 hours. Pressure tested casing to 600# for 30 minutes - held O.K.

RECEIVED

JUN - 4 1973

U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

RECEIVED

MAY 31 1973

U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

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

SIGNED: Glenn CopeTITLE District EngineerDATE May 29, 1973

(This space for Federal or State official use)

APPROVED BY [Signature]  
CONDITIONS OF APPROVAL, IF ANY:TITLE DISTRICT ENGINEERDATE JUN 4 1973

N. M. O. C. C. COPY

Form 9-331  
(May 1963)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPL  
(Other instructions  
verse side)FE\*  
re-Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM 04473

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

James Ranch Unit

8. FARM OR LEASE NAME

James Ranch Unit

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Undesignated  
Artesia11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

Section 6,

T-23-S, R-31-E

12. COUNTY OR PARISH 13. STATE

Eddy

New Mexico

## SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED

JUN 11 1973

1. OIL WELL ☐ GAS WELL ☐ X OTHER

2. NAME OF OPERATOR

Belco Petroleum Corporation

3. ADDRESS OF OPERATOR

2000 Wilco Building, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface2180' FSL & 330' FWL of Section 6, T-23-S, R-31-E, Eddy  
County, New Mexico

14. PERMIT NO.

Dated 5-4-73

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

3296' GR

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

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) Set casing ☒REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any  
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-  
nent to this work.)\*

Drilled 12-1/4" hole to 3890' and ran 93 joints (3895.93') of 10-3/4", 40.50# and 45.50#, K-55 casing. Set casing at 3890' and cemented with 2200 sacks Lite Weight with 7.5# salt and 1/4# Cello Flake per sack, followed by 200 sacks Class "C". Cement circulated. Plug down at 4:12 a.m. May 30, 1973. WOC 24 hours. Pressure tested casing to 1000# for 30 minutes - held O.K.

RECEIVED

JUN-8 1973

U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

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

SIGNED

*Glen Cox*

TITLE

District Engineer

DATE

June 6, 1973

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DISTRICT ENGINEER

DATE

JUN 8 1973

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE  
(Other instructions on reverse side)Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM 04473

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

James Ranch Unit

8. FARM OR LEASE NAME

James Ranch Unit

9. WELL NO.

4

10. FIELD AND POOL OR WILDCAT

Undesignated  
Morrow Gas11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREASection 6,  
T-23-S, R-31-E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

## SUNDRY NOTICES AND REPORTS ON WELLS

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

1. RECEIVED

OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Belco Petroleum Corporation ✓

JUL 24 1973

3. ADDRESS OF OPERATOR

2000 Wilco Building, Midland, Texas 79701 O. C. C.

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.  
See also space 17 below.)  
At surface2180' FSL & 330' FWL of Section 6, T-23-S, R-31-E, Eddy  
County, New Mexico

14. PERMIT NO.

Dated 5-4-73

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

3296' GR

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

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐Set casing ☒(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any  
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Drilled 9-1/2" hole to 11,800' and ran 288 joints (11,810') of 7-5/8", 29.70# and 26.40#, CF-95, L&C casing. Set casing at 11,730'. D.V. tool set at 6507'. Ran centralizers on 1st, 3rd, 7th, 11th, 15th, 127th, and 129th joints. Circulated 2-3/4 hours and cemented first stage with 1150 sacks Dowell lite wate with 3# gil-sonite and 1/4# floseal per sack, followed with 400 sacks Class "H" with .3% retarder. Plug down at 8:15 p.m. 6-20-73. Opened D.V. tool. Cemented second stage with 300 sacks Dowell lite wate with 1/4# floseal and 5# salt per sack, followed with 100 sacks Class "H". Plug down at 2:30 a.m. 6-21-73. Maximum cementing pressure 1200#.

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

SIGNED Glenn Cope Glenn CopeTITLE District EngineerDATE 7-5-73

(This space for Federal or State office use)

DISTRICT ENGINEER

APPROVED BY [Signature]  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE JUL 20 1973

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR	7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface	8. FARM OR LEASE NAME
	9. WELL NO.
	10. FIELD AND POOL, OR WILDCAT
	11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.)
	12. COUNTY OR PARISH 13. STATE

RECEIVED  
OCT 26 1973  
U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

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

NOTICE OF INTENTION TO:

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

SUBSEQUENT REPORT OF:

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

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

4 shots per foot. Reacidized Atoka Zone with 7500 gallons of 15% MS Acid and 230 MCF of nitrogen. Flow tested Atoka Zone at 1 MMCFPD. Unseated packer and retrievable bridge plug. Ran packer and RBP down to check production packer at 13,750'. Found production packer had failed and moved down hole. POH with treating packer and RBP. Set Otis WC packer with plug in tailpipe at 13,700'. Ran tubing, latched into packer and nipped up well head. Displaced fluid in annulus with nitrogen. Atoka Zone would not flow. Swabbed Atoka Zone in. Closed sliding sleeve at 13,628'. Perforated tailpipe below packer at 13,700'. Brought Morrow Zone in through temporary flowline to sales line to test zone and allow zone to clear up without flaring gas. Atoka Zone would not flow against sales line pressure. Atoka Zone is shut in and temporarily abandoned.

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

SIGNED Glenn Cope Glenn Cope TITLE District Engineer DATE 10/23/73

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

N. M. O. C. G. COPY

Copy to SF

Form-2-32  
(May 1965)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRI  
(Other Instruction  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.  
NM 04473

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

OCT 26 1973

1. ☐ OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR  
Belco Petroleum Corporation

O. C. G.  
ARTESIA, OFFICE

3. ADDRESS OF OPERATOR  
2000 Wilco Building, Midland, Texas 79701

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

2180' FSL & 330' FWL of Section 6, T-23-S, R-31-E, Mora  
County, New Mexico

7. UNIT AGREEMENT NAME  
James Ranch Unit

8. FARM OR LEASE NAME  
James Ranch Unit

9. WELL NO.  
4

10. FIELD AND POOL OR WILDCAT  
Undesignated

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA  
Morrow Gas  
Section 6,  
T-23-S, R-31-E

14. PERMIT NO.  
Dated 5-4-73

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
3296' GR

12. COUNTY OR PARISH  
Eddy

13. STATE  
New Mexico

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
(Other) ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
ABANDON\* ☐  
CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐  
FRACTURE TREATMENT ☐  
SHOOTING OR ACIDIZING ☐  
(Other) Set Liner & Complete ☒  
REPAIRING WELL ☐  
ALTERING CASING ☐  
ABANDONMENT\* ☐  
XX

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any  
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-  
nent to this work.)\*

Drilled 6 1/2" hole to 14,380' and ran 73 joints (2898') of 5 1/2", 20#, N-80, ABC Flush-  
line set as a liner at 14,380'. Circulated 5 hours and cemented with 300 sacks of Class  
"H" cement with 5# KCL plus 1.5% CFR-2 per sack added. Plug down at 5:45 p.m., 8-10-73.  
W.O.C. 18 hours. Ran 6 1/2" bit and drilled 500' of cement out of 7 5/8" casing to top  
of liner hanger. Ran 4 1/2" bit and drilled cement out of top of liner and circulated  
to bottom. POH and ran cement bond log. Installed tubing head and B.O.P.'s. Perforated  
Atoka Zone from 12,912'-20' with 2 jet shots per foot. Set Otis RH packer at 13,750'.  
Brought in Atoka Zone through annulus. Perforated Morrow Zone from 13,865-79'; 13,888-96';  
14,072-88'; and 14,110-114'. Flowed Morrow Zone to clean up same. Set tubing plug in pro-  
file in on-off tool immediately above packer at 13,750'. Opened sliding sleeve immediately  
above packer and circulated hole. Spotted 1500 gallons of 7 1/2% MS Acid across Atoka  
perforations from 12,912-920'. Attempted to pump acid into Atoka perforations without  
success. Circulated out acid. Installed B.O.P. and pulled tubing. Ran treating packer  
and retrievable bridge plug. Set retrievable bridge plug at 13,000' and packer at 12,800'.  
Rigged up to treat Atoka Zone with 7500 gallons gelled water with 6500# sand, 1000# glass  
beads and 20 tons of CO<sub>2</sub>. During first part of fracture treatment, there was a sudden  
pressure drop. Unseated packer and retrieved bridge plug from a depth of 14,120'. Re-  
trievable bridge plug had failed as had Otis RH packer at 13,750'. Fracture treatment  
had entered Morrow Zone. POH with RBP and packer. Ran new RBP and packer. Set RBP at  
13,774' and treating packer at 12,787'. Acidized Atoka perforations with 1500 gallons of  
7 1/2% MS Acid. Atoka Zone did not respond. Reperforated Atoka Zone from 12,912-20' with

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

SIGNED Glenn Cope TITLE District Engineer DATE 10/23/73

(This space for Federal or State office use)

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

TITLE DATE

\*See Instructions on Reverse Side

WELL NAME AND NUMBER James Ranch Unit No. 4

LOCATION 2180' FSL & 660' FWL of Section 6, T-23-S, R-31-E, Eddy County, New  
(New Mexico give U.S.T & R; Texas give S, Blk., Sur. & Twp. when required) Mexico

OPERATOR Belco Petroleum Corporation

DRILLING CONTRACTOR McVay Drilling Company

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

Degrees @ Depth	Degrees @ Depth	Degrees @ Depth	Degrees @ Depth
<u>3/4 390'</u>	<u>1 3/4 4308</u>	<u>1 3/4 10878</u>	<u>                    </u>
<u>3/4 469</u>	<u>3/4 4825</u>	<u>2 11800</u>	<u>                    </u>
<u>3/4 1012</u>	<u>1/2 5323</u>	<u>1 1/2 11869</u>	<u>                    </u>
<u>1 1512</u>	<u>1/2 5825</u>	<u>1 3/4 12696</u>	<u>                    </u>
<u>3/4 1763</u>	<u>1/2 6106</u>	<u>1 1/4 12834</u>	<u>                    </u>
<u>1 1/4 2290</u>	<u>1/2 6793</u>	<u>1 13048</u>	<u>                    </u>
<u>3/4 2515</u>	<u>2 7076</u>	<u>3/4 13243</u>	<u>                    </u>
<u>3/4 2713</u>	<u>1 7202</u>	<u>1 13604</u>	<u>                    </u>
<u>1/2 2989</u>	<u>3/4 7470</u>	<u>1 13905</u>	<u>                    </u>
<u>3 1/4 3681</u>	<u>3/4 8052</u>	<u>1 1/4 14335</u>	<u>                    </u>
<u>3 1/4 3143</u>	<u>3/4 8648</u>	<u>                    </u>	<u>                    </u>
<u>3 3774</u>	<u>1 9140</u>	<u>                    </u>	<u>                    </u>
<u>3 3837</u>	<u>3/4 9360</u>	<u>                    </u>	<u>                    </u>
<u>2 4059</u>	<u>1 10021</u>	<u>                    </u>	<u>                    </u>

RECEIVED  
OCT 26 1973  
U. S. GEOLOGICAL SURVEY  
ATLANTA, GEORGIA

Drilling Contractor McVAY DRILLING COMPANY

By C. R. McVay  
C. R. McVay

Subscribed and sworn to before me this 22nd day of October, 1973

My Commission Expires:  
June 24, 1974

Margaret J. Durham  
Notary Public  
Tulsa County, Oklahoma



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

SUBMIT IN DUPLICATE

(See other in-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.6.

Copy 45F

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	DRY <input type="checkbox"/>	OTHER <input type="checkbox"/>				
1b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other <input type="checkbox"/>		
2. NAME OF OPERATOR		Belco Petroleum Corporation							
3. ADDRESS OF OPERATOR		2000 Wilco Building, Midland, Texas 79701							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*		At surface 2180' FSL & 330' FWL of Section 6, T-23-S, R-31-E, Eddy County, New Mexico At top prod. interval reported below At total depth SAME							
14. PERMIT NO.		DATE ISSUED		5-4-73					
15. DATE SPUDDED		16. DATE T.D. REACHED		17. DATE COMPL. (Ready to prod.)		18. ELEVATIONS (OF, REB, RT, GR, ETC.)*		19. ELEV. CASINGHEAD	
5-21-73		8-8-73		9-9-73		3296 GR		3296 GR	
20. TOTAL DEPTH, MD & TVD		21. PLUG BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY		24. ROTARY TOOLS	
14,380		14,273				XX		XX	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*		25. WAS DIRECTIONAL SURVEY MADE							
Atoka Sand 12,912'-20' (Temporarily Abandoned) Morrow - 13,865-79', 13,888-96', 14,072-88', 14,110-114'		NO							
26. TYPE ELECTRIC AND OTHER LOGS RUN		27. WAS WELL CORED							
Acoustic Velocity Neutron Log, Forxo Log, Guard Log		NO							
29. CASING RECORD (Report all strings set in well)									
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD	
16"		65		485		20"		650 SX	
10 3/4"		40.50# & 45.50#		3890		12 1/4"		2400 SX	
7 5/8"		29.70# & 26.40#		11780		9 1/2"		1950 SX	
30. LINER RECORD		31. TUBING RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)	
5 1/2		14,482		14,380		300		None	
32. PERFORATION RECORD (Interval, size and number)		33. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
12,912-920' - w/48 holes (T.A.) 13,865'-13,879' w/ 1 shot per 2 feet 13,888'-13,896' w/ 1 shot per 2 feet 14,073'-14,088' w/ 1 shot per 2 feet 14,110'-14,114' w/ 2 shots per foot		DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED					
		12,912-20'		1500 Gal. - 7 1/2% MS Acid					
		13,865 -14,114		7500 Gal. - 15% MS Acid					
				7500 Gal Gel Water w/6500#Sd.					
				1000# Beads & 20 Tons CO <sub>2</sub>					
33. PRODUCTION									
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)			
9-9-73		Flowing				Producing			
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD		OIL—BSL.	
9-11-73		24		42/64		6,700		6,700	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BSL.		GAS—MCF.	
2600#		Packer		6,700		6,700		6,700	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)		TEST WITNESSED BY							
SOLD		Julian Simpson							
35. LIST OF ATTACHMENTS									
Deviation Survey, Four Point Test, Inclination Survey, Drill-Stem Tests									
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records									
SIGNED		Glenn Cope		TITLE		District Engineer		DATE	
								10/22/73	

\*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

(25) Instructions on pages 2 and 3 of the instructions booklet (see page 2 of the instructions booklet)

## 37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

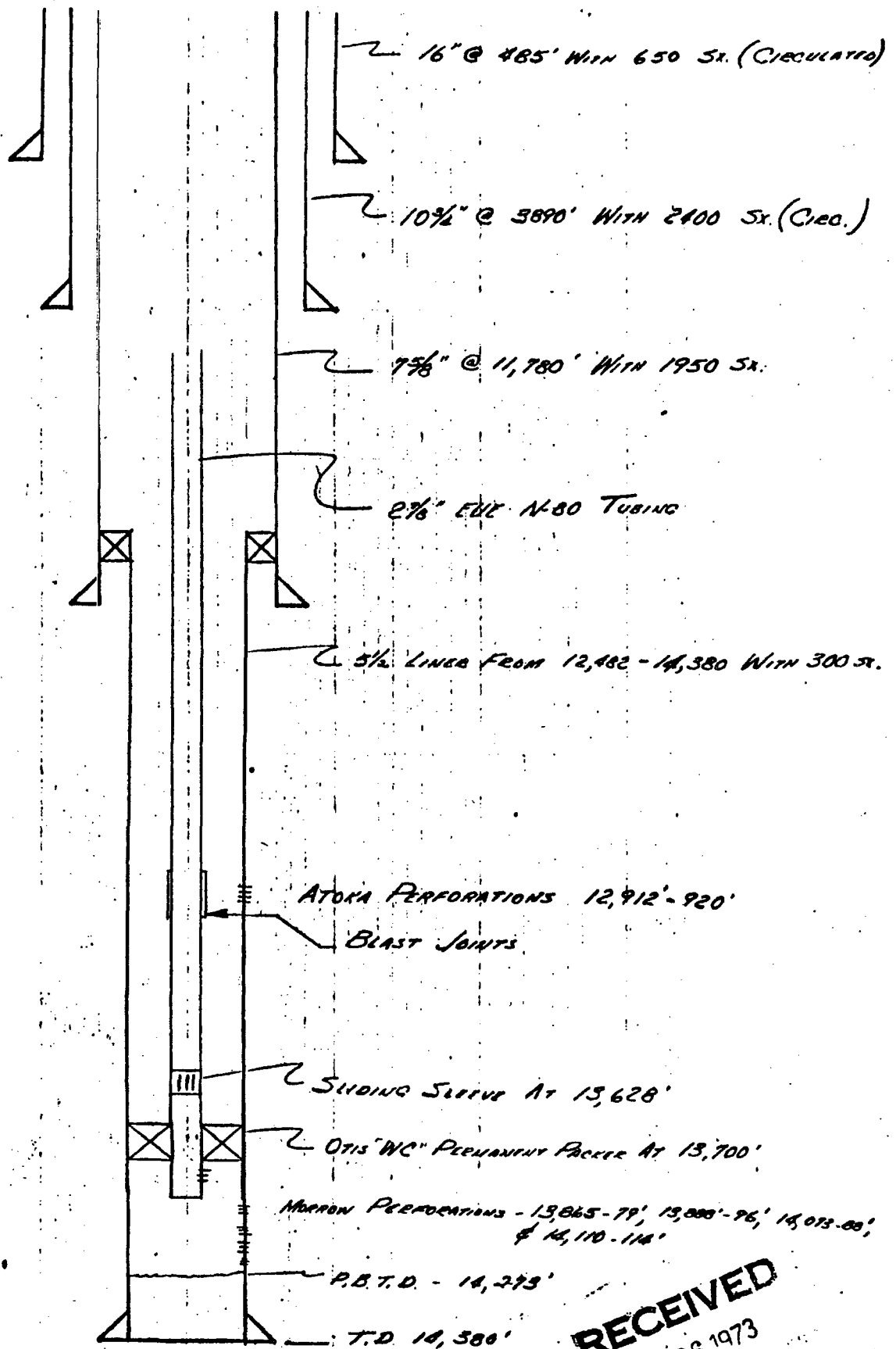
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Delaware	3906	7708	Shale & Water Wet Sands
Atoka	12912	12920	Porous Gas Sand (DST #2)
Morrow	13864	13896	Porous Gas Sand
Morrow	14070	14114	Porous Gas Sand
Morrow	14282	14300	Porous Gas Sand

(SEE ATTACHED SHEET.)

## 38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Delaware	3906	Same
Bone Springs	7708	
Wolfcamp	11040	
Strawn	12586	
Atoka	12840	
Morrow	13764	

BELO PETR. CORP.  
JAMES RANCH UNIT NO. 4  
WELL DIAGRAM



10-24-73

RECEIVED  
OCT 26 1973  
U. S. GEOLOGICAL SURVEY  
ARTESIAN, NEW MEXICO

DST Description  
Continued From USGS Form 9-330  
October 22, 1973

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.																		
Atoka Carbonate	13000'	13,048'	<p>Ran 3000' water blanket. Opened for 10 minute preflow with weak blow. Shut in for 90 minute ISIP. Opened for 90" final flow period with weak to fiar blow. Shut in for 180" final shut in pressure.</p> <p><u>PRESSURES:</u></p> <table><tr><td>10 minute preflow</td><td>- 2412# - 2773#</td></tr><tr><td>90 minute I.S.I.P.</td><td>- 5427#</td></tr><tr><td>90 minute F.F.</td><td>- 3515#</td></tr><tr><td>180 minute F.S.I.P.</td><td>- 5183#</td></tr><tr><td>IHP</td><td>- 8945#</td></tr><tr><td>FHP</td><td>- 8945#</td></tr><tr><td>BHT</td><td>- 188°F.</td></tr></table> <p>Reversed out 6138' gas-cut mud and 3000' water blanket. Sample chamber recovery 7.13 cubic feet gas at 2400# - no fluid.</p>	10 minute preflow	- 2412# - 2773#	90 minute I.S.I.P.	- 5427#	90 minute F.F.	- 3515#	180 minute F.S.I.P.	- 5183#	IHP	- 8945#	FHP	- 8945#	BHT	- 188°F.				
10 minute preflow	- 2412# - 2773#																				
90 minute I.S.I.P.	- 5427#																				
90 minute F.F.	- 3515#																				
180 minute F.S.I.P.	- 5183#																				
IHP	- 8945#																				
FHP	- 8945#																				
BHT	- 188°F.																				
Strawn, Atoka Sand, & Atoka Carbonate	12,732'	13,079'	<p>Ran 3000' water blanket. Opened for 10 minute preflow with strong blow. Shut in for 90 minute ISIP. Opened for 55 minute flow period with GTS in 40" and water blanket to surface in 45". Surface flowing pressure was 100# on a 1" adjustable choke. Shut in for one hour and 55 minute second shut in period. Opened tool for 120 minute final flow period with GTS immediately. Flow pressure stabilized at 500" on a 1/2" P.C. Flow rate approximately 3,400 MCFPD. Shut in for 2 hour FSIP.</p> <p><u>PRESSURES:</u></p> <table><tr><td>IHP</td><td>- 9117#</td></tr><tr><td>10" Preflow</td><td>- 1945#</td></tr><tr><td>90" ISIP</td><td>- 5166#</td></tr><tr><td>55" IFP</td><td>- 2391#</td></tr><tr><td>150" SI</td><td>- 5146#</td></tr><tr><td>120" FFP</td><td>- 1276#</td></tr><tr><td>120" FSIP</td><td>- 5126#</td></tr><tr><td>FHP</td><td>- 9117#</td></tr><tr><td>Temp.</td><td>- 192°F.</td></tr></table>	IHP	- 9117#	10" Preflow	- 1945#	90" ISIP	- 5166#	55" IFP	- 2391#	150" SI	- 5146#	120" FFP	- 1276#	120" FSIP	- 5126#	FHP	- 9117#	Temp.	- 192°F.
IHP	- 9117#																				
10" Preflow	- 1945#																				
90" ISIP	- 5166#																				
55" IFP	- 2391#																				
150" SI	- 5146#																				
120" FFP	- 1276#																				
120" FSIP	- 5126#																				
FHP	- 9117#																				
Temp.	- 192°F.																				

RECEIVED

OCT 26 1973

U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

OIL CONSERVATION COMMISSION

RECEIVED

BOX 2045

1973

HOBBS, NEW MEXICO

O. C. C.  
ARTESIA, OFFICE

NOTICE OF GAS CONNECTION

DATE September 17, 1973

This is to notify the Oil Conservation Commission that connection for  
the purchase of gas from the Belco Petroleum Corp., James Ranch Area,  
Operator Lease  
No. 4, Sec. 6-T23S-R31E, Undesignated, Natural Gas Pipeline Company  
Well Unit S. T. R. Pool of America,  
Name of Purchaser  
was made on September 9, 1973.

NATURAL GAS PIPELINE COMPANY OF AMERICA  
Purchaser

*W. H. Schmitt*  
Representative

Office Manager  
Title

cc: To operator  
Oil Conservation Commission - Santa Fe

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

Form No. 1  
Supersedes Old Form No. 1  
Effective 1-1-73

DISTRIBUTION  
SANTA FE  
FUEL  
COUNCIL  
LAND OFFICE  
TRANSPORTER  
OIL  
GAS  
OPERATOR  
PRODUCTION OFFICE

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

OCT 23 1973

O. C. C.  
ARTESIA, OFFICE

Belco Petroleum Company  
2000 Wilco Building, Midland, Texas 79701

Reasons for filing (check proper box) Other (Please explain)

Change in Transporter of:  
Oil ☐ Dry Gas ☐  
Casinghead Gas ☐ Condensate ☐

If change of ownership give name  
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name: James Ranch Unit Well No.: 4 Pool Name, Including Formation: Undesignated Morrow Gas Kind of Lease: Federal

Location: L 2180 Feet From The South Line and 330 Feet From The West Line

Section: 6 Township: 23-S Range: 31-E County: Eddy

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):  
NONE

Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒ Address (Give address to which approved copy of this form is to be sent):  
Natural Gas Pipeline Company of America  
Box 236, Midland, Texas 79701

If well produces oil or liquids, other than natural gas, give name of truck: Unit Sec. Top Rge. Is gas actually connected? When  
L 6 23-S 31-E Yes 9-9-73

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 Depth ☐ Full Depth ☐

Date completed: 5-21-73 Date Comp. Ready to Prod.: 9-9-73 Total Depth: 14,380' 14,273'

Name of Producing Formation: Morrow Top Oil/Gas Layer: 13,764' 13,700'

Perforations: 14,110'-14,114', 14,072'-14,088', 13,868'-13,896', 13,865'-13,879' Depth Casing Shoe: 14,380'

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
20"	16"	451'	630
12-1/4"	10-3/4"	3,890'	2400
9-1/2"	7-5/8"	11,780'	1550
6-1/2"	5-1/2"	(Top 11,480') 14,380'	300

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 Flow Oil Run To Tanks: 9-9-73 Date of Test: 9-9-73 Producing Method (Flow, pump, gas lift, etc.): Flow

Length of Test: 24 hours Tubing Pressure: 2600 Casing Pressure: 1320 choke Size: 42/64" A.C.

Actual Test During Test: Oil - Bbls. Water - Bbls. Gas - MCF

GAS WELL

Actual Test - Flow To Tank: 5,700 Length of Test: 24 hours Total Temperature (AMT): Dry Gas Gravity of Condensate: 52/64" A.C.

Pressure (inlet, back pr.): 2600 Tubing Pressure: 1320 Casing Pressure: 1320 choke Size: 42/64" A.C.

Sales Line: 2600

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.

Glenn Cope Glenn Cope  
(Signature)

District Engineer

September 17, 1973

(Date)

OIL CONSERVATION COMMISSION

OCT 29 1973

APPROVED

BY: W. A. Greath

TITLE: OIL AND GAS INSPECTOR

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 wells as able on new and re-completed wells.

Fill out Sections I, II, III, and IV only for wells as able on well name or number, or transporter or other such data.

Separate forms filed must be filed for re-completed wells.

## OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-104  
Revised 10-1-78

RECEIVED BY

SEP 26 1983

O. C. D.  
ARTESIA, OFFICEREQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

NO. OF OFFICE DESIGNS	
DISTRIBUTION	
SANTA FE	<input checked="" type="checkbox"/>
FILE	<input checked="" type="checkbox"/>
U.S.D.	<input checked="" type="checkbox"/>
LAND OFFICE	<input checked="" type="checkbox"/>
TRANSPORTER	<input checked="" type="checkbox"/>
OPERATOR	<input checked="" type="checkbox"/>
PRODUCTION OFFICE	<input checked="" type="checkbox"/>

Operator  
Perry R. Bass

Address

P. O. Box 2760, Midland, Texas 79702

Reason(s) for filing (Check proper box)

New Well ☐  
Recompletion ☐  
Change in Ownership ☐

Change in Transporter oil:

Oil ☐  
Casinghead Gas ☐Dry Gas ☐  
Condensate ☐

Other (Please explain)

Change of Lease Operator

Effective date October 1, 1983

If change of ownership give name  
and address of previous owner

Belco Petroleum Corp. 10,000 Old Katy Rd. Suite 100, Houston, TX 77055

## II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, including Formation	Kind of Lease	Lease No.
James Ranch Unit	4	Los Medanos (Morrow)	State, Federal or Fee	NM-04473
Location				
Unit Letter	L	2180 Feet From The South Line and 330 Feet From The West		
Line of Section	6	T. 23S	Range 31E	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	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)					
Natural Gas Pipeline Co. of America	Box 283, Houston, Texas 77001					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	L	6	23S	31E	YES	September 9, 1973

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, R&B, RT, CR, 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 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	Dble. Condensate/MMCF	Gravity of Condensate
Testing Method (prior, 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 Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

*R.C. Hunt*  
(Signature)

Senior Production Clerk

September 23, 1983

(Date)

## OIL CONSERVATION DIVISION

SEP 26 1983

APPROVED \_\_\_\_\_, 19\_\_\_\_

BY \_\_\_\_\_

Original Signed By

Leslie A. Clements

TITLE \_\_\_\_\_

Supervisor District II

This form is to be filled 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 conditions.

Separate Form C-104 must be filled for each pool in multiple completed wells.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions on reverse side)

Budget Bureau No. 1004-011  
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

NM-04473

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Bass Enterprises Production Co.

AUG 29 '88

3. ADDRESS OF OPERATOR

P.O. Box 2760, Midland, Texas 79702-2760

C. C. D.

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

ARTESIAN OFFICE

2180' FSL & 330' FWL of Unit Letter L

7. UNIT AGREEMENT NAME

James Ranch Unit

8. FARM OR LEASE NAME

James Ranch Unit

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Los Medanos Morrow Gas

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

Sec. 6, 23S, 31E

12. COUNTY OR PARISH 13. STATE

Eddy

New Mexico

14. PERMIT NO.

30-015-20803

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

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

Change Operator Name

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Change Operator Name From Perry R. Bass to Bass Enterprises Production Co.

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

SIGNED

*R.C. Hutchens*

TITLE Sr. Production Clerk

DATE 8-23-88

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

RECEIVED

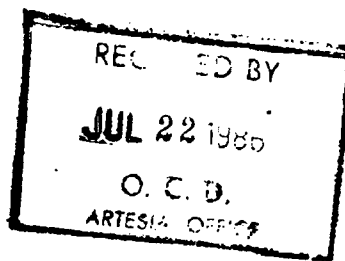
AUG 30 1988



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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TRANSPORTER	OIL
OPERATOR	
PERMITS OFFICE	

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



Form C-104  
Revised 10-01-78  
Formal 08-01-83  
Page 1

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator  
Bass Enterprises Production Co.  
Address  
P O Box 2760, Midland, Texas 79702-2760  
Reason(s) for filing (Check proper box)  
☐ New Well ☐ Change in Transporter oil ☐ Oil ☐ Dry Gas ☐ Change Operator name  
☐ Recompletion ☐ Change in Ownership ☐ Casinghead Gas ☐ Condensate

Operator  
If change of ~~operator~~ give name and address of previous owner Perry R. Bass, P O Box 2760, Midland, Texas 79702-2760

II. DESCRIPTION OF WELL AND LEASE

Lessee Name James Ranch Unit	Well No. 4	Pool Name, including Formation Los Medanos Morrow Gas	Kind of Lease State, Federal or Fee Federal	Lease No. NM 04473
Location Unit Letter <u>L</u> : <u>2180</u> Feet From The <u>South</u> Line and <u>330</u> Feet From The <u>West</u> Line of Section <u>6</u> Township <u>23S</u> Range <u>31E</u> , NMPM, <u>Eddy</u> 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 Permian (9/9/1/87)	Address (Give address to which approved copy of this form is to be sent) P O Box 1183, Houston, Texas 77001-1183
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> Natural Gas Pipeline Co. of America	Address (Give address to which approved copy of this form is to be sent) P O Box 283, Houston, Texas 77001-0238
If well produces oil or liquids, give location of tanks. Unit <u>L</u> Sec. <u>6</u> Twp. <u>23S</u> Rge. <u>31E</u>	Is gas actually connected? <u>Yes</u> When <u>September 9, 1973</u>

If this production is commingled with that from any other lease or pool, give commingling order numbers: Part 10-3  
8-8-86

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.

R. C. Houtchens

*R. C. Houtchens*  
(Signature)

Senior Production Clerk

(Title)

July 21, 1986

(Date)

OIL CONSERVATION DIVISION

AUG - 8 1986

APPROVED \_\_\_\_\_, 19

Original Signed By

BY Lois A. Clements

TITLE Supervisor District II

This form is to be filed in compliance with RULE 118a.

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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

NOV 14 2003

D-D-ARTESIA

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM04473
2. Name of Operator BASS ENTERPRISES PRODUCTION CO		6. If Indian, Allottee or Tribe Name
Contact: TAMI WILBER E-Mail: twilber@basspet.com		7. If Unit or CA/Agreement, Name and/or No. NMNM70965B
3a. Address P O BOX 2760 MIDLAND, TX 79702	3b. Phone No. (include area code) Ph: 432.683.2277 Fx: 432.687.0329	8. Well Name and No. JAMES RANCH 4
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 6 T23S R31E NWSW 2180FSL 330FWL		9. API Well No. 30-015-20803-00-S1
		10. Field and Pool, or Exploratory LOS MEDANOS
		11. County or Parish, and State EDDY COUNTY, NM

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Workover Operatic
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

This well was originally drilled and completed in October 1973, at that time the Atoka formation was perfed but never produced and has been behind a closed sliding sleeve.

Bass Enterprises Production Co. is conducting workover operations to produce the Atoka formation and Morrow formation. Approval is requested to downhole commingle the following zones:

Los Medanos (Atoka) Los Medanos (Morrow)

Allocations are as follows:

Atoka 13%  
Morrow 87%

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #24762 verified by the BLM Well Information System For BASS ENTERPRISES PRODUCTION CO, sent to the Carlsbad Committed to AFMSS for processing by ARMANDO LOPEZ on 11/05/2003 (04AL0081SE)</b>	
Name (Printed/Typed) TAMI WILBER	Title AUTHORIZED REPRESENTATIVE
Signature (Electronic Submission)	Date 11/05/2003

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By <b>ACCEPTED</b>	LES BABYAK Title PETROLEUM ENGINEER	Date 11/13/20
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office Carlsbad

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**  
Cabinet Secretary

**Lori Wrotenbery**

Director

Oil Conservation Division

## **ADMINISTRATIVE ORDER DHC-3214**

Bass Enterprises Production Company  
P.O. Box 2760  
Midland, Texas 79702

Attention: Tami Wilber

**RECEIVED**

NOV 24 2003

**OCD-ARTESIA**

*James Ranch Unit Well No. 4  
API No. 30-015-20803  
Unit L, Section 6, Township 23 South, Range 31 East, NMPM,  
Eddy County, New Mexico  
Undesignated Los Medanos-Atoka (Gas 80520), and  
Los Medanos-Morrow (Gas 80560)*

Dear Ms. Wilber:

Reference is made to your recent application for an exception to Rule 303.A. of the Division Rules and Regulations to permit the above-described well to commingle production from the subject pools in the wellbore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303.C., and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion and required separation of the zones is hereby placed in abeyance.

In accordance with the provisions of Rule 303.C.(1), each of the commingled oil pools shall be allowed to produce up to the top oil allowable and top casing head gas allowable applicable for that pool.

Assignment of allowable to the well and allocation of production from the well shall be on the following basis unless modified with permission of the Artesia District Office and copied to this office.

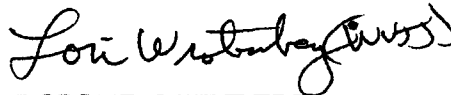
Undesignated Los Medanos-Atoka Gas Pool	Oil-none	Gas-13%
Los Medanos-Morrow Gas Pool	Oil-none	Gas-87%

REMARKS: The operator shall notify the Artesia District Office of the Division upon implementation of commingling operations.

Pursuant to Rule 303.C(2), the commingling authority granted herein may be rescinded by the Division Director if conservation is not being best served by such commingling.

Approved at Santa Fe, New Mexico on this 17th day of November 2003.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION



LORI WROTENBERY  
Division Director

LW/wvjj

cc: Oil Conservation Division – Artesia  
Bureau of Land Management – Carlsbad

