

Form 9-331

Rev. 7/73

Form Approved

Budget Bureau No. 42-R14.1

RECEIVED

MAR 25 1980

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

O. C. SUNDRY NOTICES AND REPORTS ON WELLS

ARTESIAN OFFICE Use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☒ other ☐

2. NAME OF OPERATOR
Belco Petroleum Corporation

3. ADDRESS OF OPERATOR
411 Petroleum Bldg, Midland, Texas 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1980' FNL & 660' FEL of Sec. 1.

AT TOP PROD. INTERVAL

AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐

☐

FRACTURE TREAT ☐

☐

SHOOT OR ACIDIZE ☐

☐

REPAIR WELL ☐

☐

PULL OR ALTER CASING ☐

☐

MULTIPLE COMPLETE ☐

☐

CHANGE ZONES ☐

☐

ABANDON* ☐

☐

(other) Drilling Operations

X

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.)*

Please see attached sheet for drilling operations.

5. LEASE
NM-02884-B

6. IF INDIAN ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
14-08-001-388

8. FARM OR LEASE NAME
James Ranch Unit

9. WELL NO.
10

10. FIELD OR WILDCAT NAME
Los Medanos Mon

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

Sec. 1, T-23-S, R-30-E.

12. COUNTY OR PARISH 13. STATE
Eddy New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
3317 KDB

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED M. E. Moore TITLE District Engr. DATE 3/19/80

(This space for Federal or State office use)
(Orig. Egd.) GEORGE H. STEWART DISTRICT ENGINEER
APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

MAR 24 1980

Belco Petroleum Corporation
James Ranch #10
Sec. 1, T-23-S, R-30-E, Eddy County, New Mexico

3/13/80 Drilling at 13,777.
3/14/80 Drilling at 13,833'. Survey: 2° @ 13,826'.
3/15/80 Drilling at 13,932'.
3/16/80 Drilling at 13,968'.
3/17/80 Drilling at 14,071'.
3/18/80 Drilling at 14,133' 1-3/4° @ 14,071'.

RECORDED
MAR 30 1980
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil ☒ gas ☒ other ☐
2. NAME OF OPERATOR
Belco Petroleum Corporation
3. ADDRESS OF OPERATOR
10,000 Old Katy Rd, Ste 100, Houston, Tx. 77056
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1980' ENL & 660' FEL of Sec. 1
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

SUBSEQUENT REPORT OF:

(other) Drilling Operations ☒

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.)*

Please see attached sheet for details.

5. LEASE
NM-02384-B
6. IF INDIAN ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
14-08-001-583
8. FARM OR LEASE NAME
James Ranch Unit
9. WELL NO.
10
10. FIELD OR WILDCAT NAME
Los Medanos
11. SEC., T., R., M., OR BLK. AND SURVEY AREA
Sec. 1, T-23-S, R-30-E.
12. COUNTY OR PARISH
Eddy
13. STATE
New Mexico
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
3317 KDB

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

RECEIVED

MAR 11 1980
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

Subsurface Safety Valve: Manv. and Type _____ Set @ _____ Ft.

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

SIGNED DM Coyn TITLE Drlg. Engr. DATE 3/6/80

(This space for Federal or State office use)

(Only for) APPROVED BY GEORGE H. STEWART
CONDITIONS OF APPROVAL, IF ANY

TITLE ASSISTANT DISTRICT ENGINEER DATE

MAR 11 1980

Belco Petroleum Corporation
James Ranch #10
Sec. 1, T-23-S, R-30-E, Eddy County, New Mexico

2/20/80 12,152' (32') 38. Drilling. Lime & shale. Bit #11 drilled 192' in 57-1/4 hrs. Trip for bit #12, 6-1/2" HTC J-33 @ 12,144'. Survey: 1-1/4° @ 12,144'. MW 10.5, Vis 32, WL 28, Chl 130,000.

2/21/80 12,204' (52') 39. Drilling. Lime & shale. MW 10.6, Vis 36, WL 45, Chl 127,000. BKG 100 units. 23-3/4 hrs drilling, 1/4 hr SR.

2/22/80 12,242' (38') 40. Drilling. Lime & shale. Bit #12 drilling 98' in 48-1/2 hrs. MW 10.6, Vis 36, WL 20, Chl 130,000. BKG 500 units. 23-1/2 hrs drilling, 1/4 hr SR, 1/4 hr RR.

2/23/80 12,282' (46') 41. Drlg. Lime & shale. Bit #13 drld 113' in 54-3/4 hrs. Trip for bit #13, 6-1/2" J-33 @ 12,257'. MW 10.6, Vis 36, WL 20, Chl 130,000. BKG 350 units. 15-3/4 hrs drlg, 8 hrs trip, 1/4 hr RR.

2/24/80 12,350' (62') 42. Drlg. Shale & lime. MW 10.5, Vis 36, WL 16, Chl 129,000. BKG 475 units. 23-3/4 hrs drlg, 1/4 hr SR.

2/25/80 12,413' (63') Drlg. Shale. MW 10.6, Vis 35, WL 16, Chl 130,000. BKG 400 units. 23-1/2 hrs drlg, 1/4 hr SR, 1/4 hr RR,

2/26/80 12,458' (45') 44. Drlg. Shale & lime. Survey: 3/4° @ 12,450'. Bit #13, drld 193' in 70 hrs. Trip for bit #14, 6-1/2" F-3, @ 12,450'. Had 20 units gas on trips. 8' flare for 1-1/2 hrs. MW 10.5, Vis 36, WL 10.5, Chl 130,000. BKG 150 units. 15-1/2 hrs drlg, 1/4 hr SR, 1/4 hr survey, 8 hrs trip.

2/27/80 12,563' (105') 45. Drlg. Lime. MW 10.6, Vis 35, WL 20, Chl 120,000. BKG 375 units. 23-3/4 hrs drlg, 1/4 hr SR,

2/28/80 12,645' (82') 46. Drlg. Chert, lime & shale. Survey: 1° @ 12,588'. Bit #14 drld 138' in 29-1/2 hrs. Trip for bit #15, 6-1/2" J-44 @ 12,588'. RIH 10 stds. Cut DL & SR. RIH. MW 10.6, Vis 36, WL 22, Chl 120,000. 14-3/4 hrs drlg, 8-1/4 hrs bit trip, 1 hr SR.

2/29/80 12,693' (48') 47. Drlg. Shale & lime. 500 units BKG. MW 11.0, Vis 37, WL 13, 23-3/4 hrs drlg, 1/4 hr SR.

3/1/80 12,727' (34') 48. Trip. Lime & shale. 450 units BKG. MW 11.0, Vis 29, 13-1/4 hrs drlg, 1-1/2 hrs cleaning pits, 1/4 hr SR, 1 hr circ.

3/2/80 12,862' (135') 49. Drlg. Lime. Fin TIH w/bit #16, BKG gas 500 units. Trip gas 250. MW 11.4, Vis 38, WL 12, Chl 130,000. 20-1/4 hrs drlg, 2 hrs trip, 1-1/2 hrs reaming, 1/4 hr SR.

3/3/80 12,940' (78') 50. POH for DST #1. 40% lime & 60% sand. Top of Atoka 12,917'. Drlg break 12,917-12,921'. A coarse grain sharp sand w/no show. (500 units BKG gas) Drlg 21-3/4 hrs, 1/4 hr SR, 1/4 hr Totco, 1-3/4 hrs POH. MW 11.5, Vis 38, Ph 10.5,

3/4/80 12,940' (0') 51. LD test tools. Lime & sand. Fin POH. PU test tools & TIH. Load DP w/2000' water blanket. Set tools for DST #1, 12,800-940'. Open tools for 5 min IF @ 4:09 PM w/strong blow. SI for 90 mins. Opened tools for 60 mins FF w/strong blow. GTS in 12 mins. Press incr to 1600# on 1/2" ck sur ck. Est vol 10 MMCFD. Incr ck to 1". Flow stabilized for 9 mins @ 750 psi. Est vol 21 MMCFD. SI for 120 mins. Rel tools. Reversed out DP & POH. No liquid recovery in DP.

3/4/80 Cont. Survey: 1-1/2° @ 12,940'. MW 11.4, Vis 37, WL 16, Chl 135,000. 13-1/2 hrs tripping, 1/4 hr SR, 1-1/4 hr WO test tools, 5 hrs testing, 4 hrs circ.

DST #1 - 12800-12940':

IHP - 7657#

5 min ISIP - 2954-3082#

9 min ISIP - 3519#

60 min FFP - 2867-2699#

120 min FSIP - 3519#

FHP - 7620#

BHT - 190°F

Sample Chamber: 45C# 3ft³ gas - nc liquid.

3/5/80 13,049' (109') 52. Drlg. Lime & shale. Fin LD test tools. TIH w/bit #17, 6-1/2" F-4. MW 11.0, Vis 37, WL 20, Chl 130,000. 3-3/4 hrs trip, 3/4 hr cut drill line, 1/4 hr SR, 19-1/4 hr drlg,

3/6/80 13,142' (93') 53. Drlg. Lime & shale. Bit #17 drld 197' in 33 hrs. Trip for bit #18, 6-1/2" F-3 @ 13,137'. Survey: 1-1/2° @ 13,135'. MW 11.0, Vis 36, WL 18.6, Chl 145,000. 14-1/2 hrs drlg, 9-1/4 hrs trip, 1/4 hr SR.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYRECEIVED
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 Form 9-331-C for such proposals.)

DEC 26 1979

1. oil ☐ gas ☒ other

2. NAME OF OPERATOR

Belco Petroleum Corporation

3. ADDRESS OF OPERATOR

411 Petroleum Building, Midland, Texas 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1980' FNL & 660' FEL of Section 1

AT TOP PROD. INTERVAL: ---

AT TOTAL DEPTH: ---

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐CHANGE ZONES ☐ABANDON* ☐(other) Change in casing program ☐SUBSEQUENT REPORT ☐

RECEIVED

DEC 20 1979

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

5. LEASE

NM-02884-B

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

14-08-001-588

8. FARM OR LEASE NAME

James Ranch

9. WELL NO.

10

10. FIELD OR WILDCAT NAME

Los Medanos

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

Section 1, T-23-S, R-30-E

12. COUNTY OR PARISH; 13. STATE

Eddy

New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)

3317 KDB

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.)*
- We request your approval to change the casing program from that approved on application for permit to drill (Form 9-311C). The setting depth will remain the same. The casing sizes have been increased in order to give better control.
- (1.) 20" Conductor set with rat hole machine.
 - (2.) 18-1/2" hole w/16" casing run to 500' cemented w/1000 sx Class "C" w/2% CaCl.
 - (3.) 14-3/4" hole w/10-3/4" casing run to 3950' cemented w/2000 sx HLW + 300 sx Class "C".
 - (4.) 9-7/8" hole w/7-5/8" casing run to 11,850' cemented in two stages
1st stage: 450 sx TLW + 200 sx Class "H" 2nd stage: (Tool at 7600')
700 sx TLW + 100 sx Class "H".
 - (5.) 6-1/2" hole w/5" or 5-1/2" liner set from 11,650 to TD of 14,400' cemented w/200 sx Class "H".

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED W. E. Moore TITLE Engineer DATE 12/18/79

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY.

(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

(Other instructions on
reverse side)
HSDCC
Case No. 6646
9-5-79

Form approved,
Budget Bureau No. 42-R1425.

30-015-23025
RECEIVED

5. LEASE DESIGNATION AND SERIAL NO.
NM 02804 E

6. IF INDIAN, NAME OF INDIAN NAME
NOV 20 1979

7. UNIT AGREEMENT NAME
James P. C. E.
ARTESIA, OFFICE

8. FARM OR LEASE NAME
Unit James Ranch

9. WELL NO.
10

10. FIELD AND POOL, OR WILDCAT
Los Madanos Normal-Artesia

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
Sec. 1, T28N, R30E

12. COUNTY OR PARISH
Eddy

13. STATE
New Mexico

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 ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
PACIFIC PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR
10000 Old Katy Road - Suite 100, Houston, Texas 77055

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface
660' EEL, 1000' EEL

At proposed prod. zone
660' EEL, 1000' EEL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
10.5 mi. E of Loving, New Mexico

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

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.
1300' SW

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3200 Gr.

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
20"	16" New	94#	500'	1000 sacks
12-1/4"	9-5/8" New	36#	4000'	2100 sacks
8-3/4"	7" New	29#	12000'	700 sacks
6"	5" New liner	18#	14400'	400 sacks

1. The formation @ surface is Quaternary Alluvium, mainly sand dunes.
2. Est. formation tops: Delaware 3900'; Wolfcamp 11,050'; Strawn 12,600'; Atoka 12,840';.
3. Possible oil shows in Delaware; gas in Atoka, some gas in Strawn.
4. Casing Design: new casing as shown above.
5. BOP Program: 3 BOP 5000#; 1 Hydrill, 1 pipe ram, 1 blind ram for shallow depths & deep depths. Tested upon installation & periodically tested; operated daily. (see attached schematic)
6. Mud Program: 0-500' fresh; 500'-5000'-brine 10.0; 5000-12,600 cut brine 9.0; 12,600-14,400 non-dispersed 13.0.
7. Auxiliary: Rotating stripper head below intermediate; lower Kelly cock valve; choke manifold, drillstring safety valve on floor.
8. Drillstem testings as required; logging: AVL, Guard Force.
9. Possible high pressure in salt section; Wolfcamp, Strawn & Atoka.
10. Anticipated start-up November 15, 1979.

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 P. H. King TITLE Administrative Geologist DATE 9-18-79

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE 11-21-79

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: