

30-021-20,00

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## NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

|   |                              |
|---|------------------------------|
| 5A. Indicate Type of Lease                |                              |
| STATE <input checked="" type="checkbox"/> | FEE <input type="checkbox"/> |

5. State Oil &amp; Gas Lease No.

K-6410

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

|   |                               |                                |                                  |
|---|-------------------------------|--------------------------------|----------------------------------|
| 1a. Type of Work  |                               | 7. Unit Agreement Name         |                                  |
| b. Type of Well<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/><br>DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/><br>SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> |                               | 8. Farm or Lease Name          |                                  |
| 2. Name of Operator   |                               | 9. Well No.                    |                                  |
| Beck Producing Co.  |                               | 1                              |                                  |
| 3. Address of Operator  |                               | 10. Field and Pool, or Wildcat |                                  |
| 900 Medical Arts Avenue, N.E., Albuquerque, N.Mex. 87106  |                               | Wildcat                        |                                  |
| 4. Location of Well<br>UNIT LETTER <u>B</u> LOCATED <u>1987.92</u> FEET FROM THE <u>East</u> LINE<br>AND <u>660</u> FEET FROM THE <u>North</u> LINE OF SEC. <u>16</u> TWP. <u>15N</u> RGE. <u>33E</u> NMPM  |                               | 12. County                     |                                  |
|   |                               | Harding                        |                                  |
| 19. Proposed Depth  |                               | 19A. Formation                 | 20. Rotary or C.T.               |
| 3000 feet   |                               | Penn                           | Rotary                           |
| 21. Elevations (Show whether DF, RT, etc.)  | 21A. Kind & Status Plug. Bond | 21B. Drilling Contractor       | 22. Approx. Date Work will start |
| 4290.17 GR  | Blanket Bond                  | North-Tex Drilling             | October 27, 1970                 |

23.

## PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE     | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|------------------|----------------|-----------------|---------------|-----------------|----------|
| 13 $\frac{1}{2}$ | 10 3/4         | 200             |               |                 |          |
|                  |                |                 |               |                 |          |
|                  |                |                 |               |                 |          |

APPROVAL VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED,

EXPIRES Jan 20, 1971

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.

Beck Producing Co.

Signed Charles Beck Title President Date October 23, 1970

(This space for State Use)

APPROVED BY J.E. Kapteina TITLE Oil & Gas Inspector DATE 10/23/70

CONDITIONS OF APPROVAL, IF ANY:

COLLECT AND SACK SAMPLES FOR  
NEW MEXICO BUREAU OF MINES, SOCORRO

NEW MEXICO OIL CONSERVATION COMMISSION  
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.

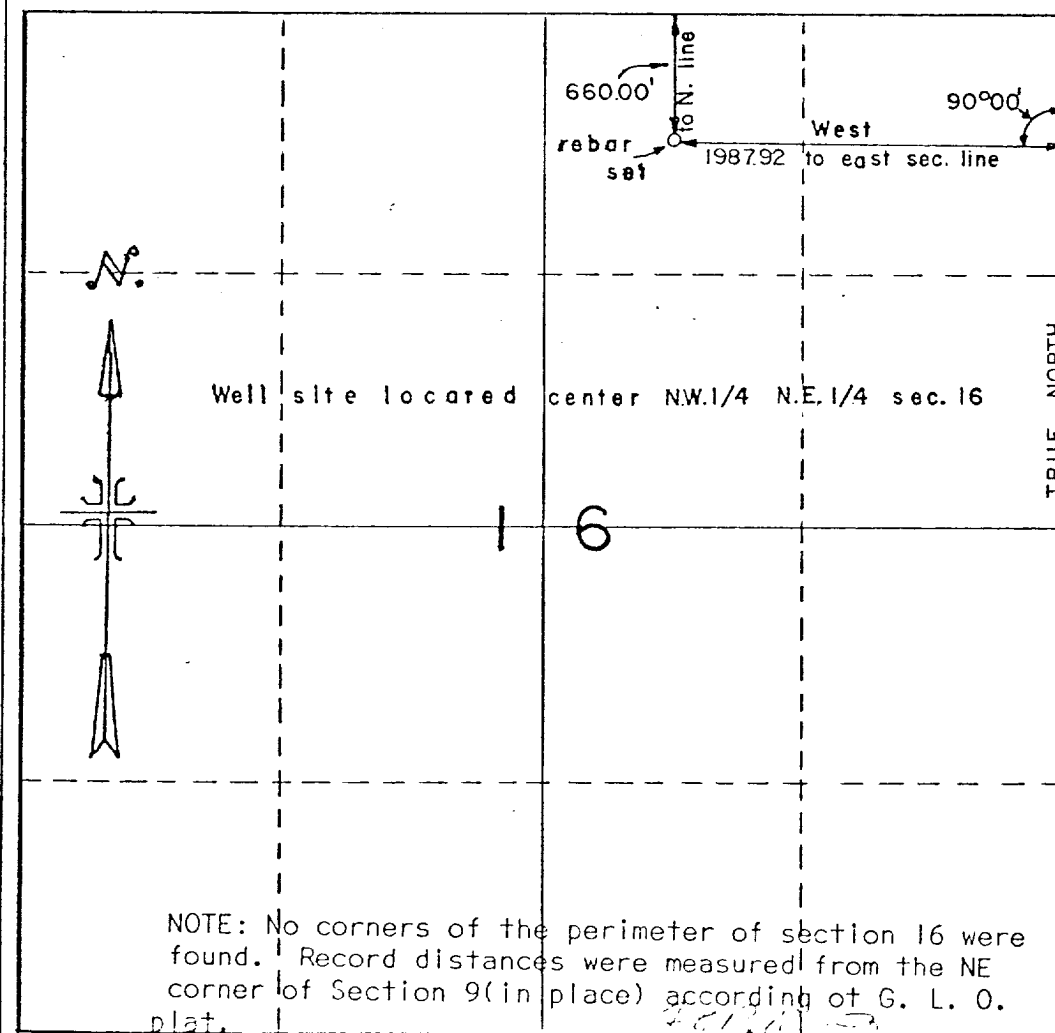
|  |                     |                      |                   |  |               |
|--|---------------------|----------------------|-------------------|--|---------------|
| Operator<br>Beck Producing Co.   |                     |                      | Lease<br>State    |  | Well No.<br>1 |
| Unit Letter<br>B   | Section<br>16       | Township<br>T. 15 N. | Range<br>R. 33 E. | County<br>HARDING                          |               |
| Actual Footage Location of Well:<br>1987.92' feet from the E. sec. line and 660.00' feet from the N. sec. line |                     |                      |                   |  |               |
| Ground Level Elev.<br>4290.17  | Producing Formation |                      | Pool<br>Wildcat   | Dedicated Acreage:<br>NW 1/4 sec. 16 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 \_\_\_\_\_

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.

*Charles Beck*

Name

*President*

Position

Reg. N.M. Land Surveyor # 3948

Company

BALLEW & ASSOCIATES, P.A.

Date

July 1, 1970

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

JULY 1, 1970

Registered Professional Engineer and/or Land Surveyor

*J. E. Ballew, Jr.*

Certificate No.

N.M.L.S. no. 3948

30-021-20,011

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## NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

|   |                              |
|---|------------------------------|
| 5A. Indicate Type of Lease                |                              |
| STATE <input checked="" type="checkbox"/> | FEE <input type="checkbox"/> |
| 5. State Oil & Gas Lease No.              |                              |
| K-6410                                    |                              |

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

|  |  |  |                              |
|--|--|--|------------------------------|
| 1a. Type of Work   |  | 7. Unit Agreement Name                     |                              |
| b. Type of Well<br>DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/><br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> |  | 8. Farm or Lease Name<br>Arthur Cain State |                              |
| 2. Name of Operator<br>Marion B. Edmonds & O. A. Peters  |  | 9. Well No.<br>1                           |                              |
| 3. Address of Operator<br>3522 Mungall Dr. Apt. 4, Anaheim, California 92804   |  | 10. Field and Pool, or Wildcat<br>Wildcat  |                              |
| 4. Location of Well<br>UNIT LETTER B LOCATED 1987.92 FEET FROM THE East LINE<br>AND 660 FEET FROM THE North LINE OF SEC. 16 TWP. 15 N. RGE. 33 E. NMPM   |  | 12. County<br>Harding                      |                              |
| 21. Elevations (Show whether DF, RT, etc.)<br>4290.17 GR   |  | 19. Proposed Depth<br>1500 feet            | 19A. Formation<br>San Andres |
| 21A. Kind & Status Plug. Bond<br>Blanket Bond  | 21B. Drilling Contractor<br>Jewell Adkison | 20. Rotary or C.T.<br>Rotary               |                              |
| 22. Approx. Date Work will start<br>July 10, 1970  |  |  |                              |

23.

## PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP  |
|--------------|----------------|-----------------|---------------|-----------------|-----------|
| 10"          | 7"             | 20#             | 150           | 75              | Circulate |
|              |                |                 |               |                 |           |
|              |                |                 |               |                 |           |

Drill 10" hole to 150 feet

Set 150' 7" Casing with sufficient cement to circulate to surface.

Drill 6 1/2" hole to approximately 1500 feet

Run 5" casing to total depth and test shows if encountered.

APPROVAL VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED,

EXPIRES Oct. 11, 1970

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 O. A. Peters Title Owners & Operators Date July 3, 1970

(This space for State Use)

APPROVED BY J. E. Kapteina TITLE Oil & Gas Inspector DATE 7/13/70

CONDITIONS OF APPROVAL, IF ANY:

COLLECT AND SACK SAMPLES FOR  
NEW MEXICO BUREAU OF MINES GEOLOGY

NEW MEXICO OIL CONSERVATION COMMISSION  
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.

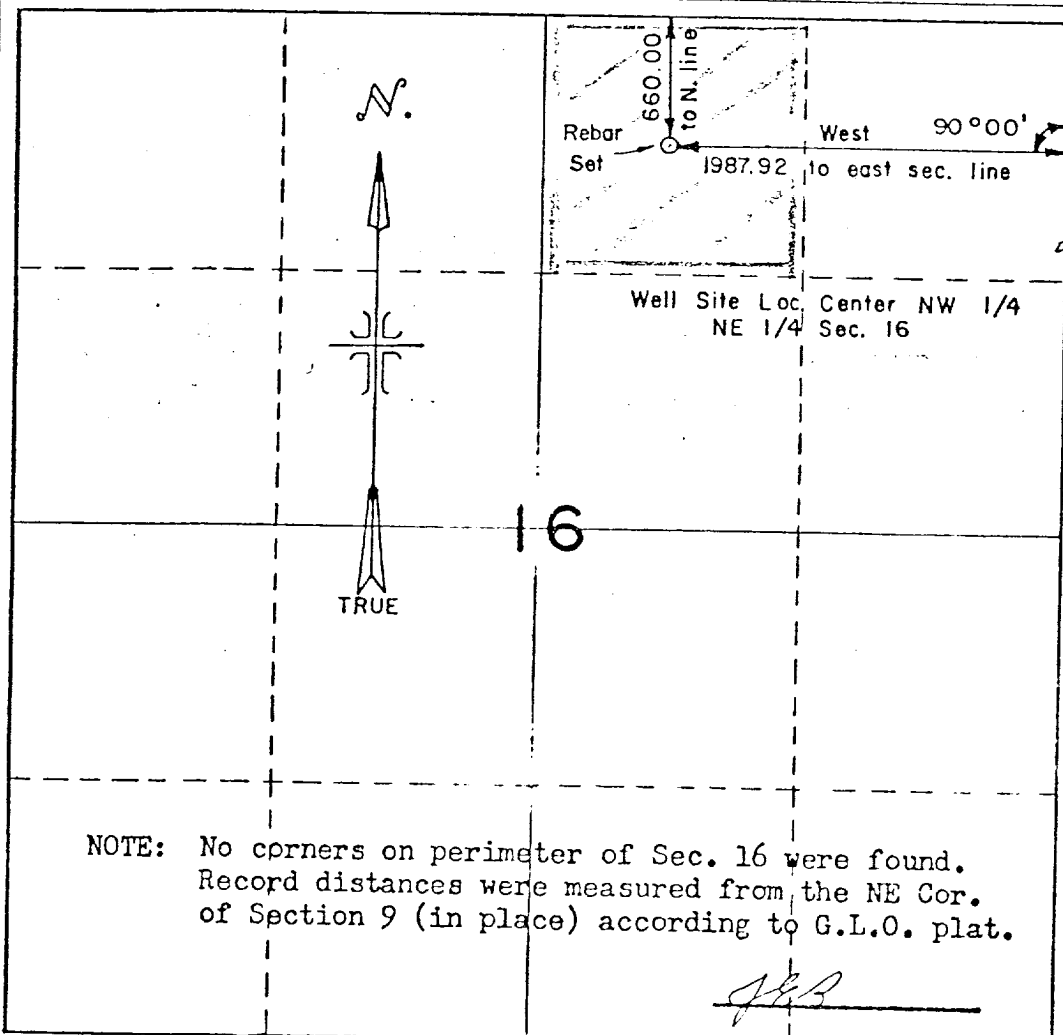
|  |                      |                             |   |                          |                      |
|--|----------------------|-----------------------------|---|--------------------------|----------------------|
| Operator<br><b>Marion B. Edmonds &amp; O. A. Peters</b>  |                      |                             | Lease<br><b>State, <del>Lease</del> 9 :</b> |                          | Well No.<br><b>1</b> |
| Unit Letter<br><b>B</b>  | Section<br><b>16</b> | Township<br><b>T. 15 N.</b> | Range<br><b>R. 33 E.</b>                    | County<br><b>Harding</b> |                      |
| Actual Footage Location of Well:<br><b>1987.92</b> feet from the <b>East line</b> and <b>660.00</b> feet from the <b>North line Section 16</b> |                      |                             |   |                          |                      |
| Ground Level Elev.<br><b>4290.17</b>   | Producing Formation  | Pool<br><b>Wildcat</b>      | Dedicated Acreage:<br><b>NONE</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 \_\_\_\_\_

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.



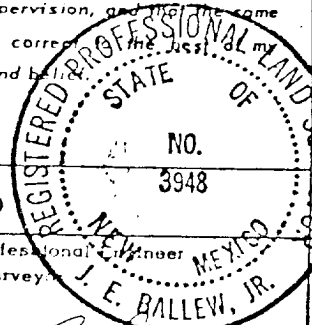
CERTIFICATION

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

Name: *Marion B. Edmonds & O. A. Peters*  
Position: **Owner & Operators**  
Company: **Edmonds & Peters**

Date: **July 3, 1970**

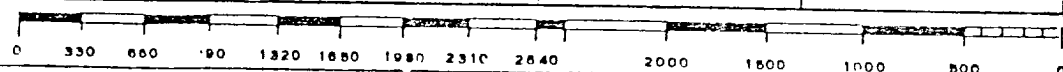
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.



Date Surveyed: **July 1, 1970**

Registered Professional Engineer and/or Land Surveyor: **J. E. BALLEW, JR.**

Certificate No. **N.M.L.S. No. 3948**



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

Form C-105  
Revised 1-1-65

|                              |   |                              |
|------------------------------|---|------------------------------|
| 5a. Indicate Type of Lease   | State <input checked="" type="checkbox"/> | Fee <input type="checkbox"/> |
| 5. State Oil & Gas Lease No. | K6410                                     |                              |

|                        |   |                                    |   |                                    |
|------------------------|---|------------------------------------|---|------------------------------------|
| 10. TYPE OF WELL       | OIL WELL <input type="checkbox"/>   | GAS WELL <input type="checkbox"/>  | DRY <input checked="" type="checkbox"/> | OTHER                              |
| b. TYPE OF COMPLETION  | NEW WELL <input type="checkbox"/>   | WORK OVER <input type="checkbox"/> | DEEPEN <input type="checkbox"/>         | PLUG BACK <input type="checkbox"/> |
| 2. Name of Operator    | Beck Producing Company  |                                    |   |                                    |
| 3. Address of Operator | 900 Medical Arts Avenue, N. E. Albuquerque, New Mexico  |                                    |   |                                    |
| 4. Location of Well    | UNIT LETTER <u>B</u> LOCATED <u>1987.92</u> FEET FROM THE <u>East</u> LINE AND <u>660</u> FEET FROM THE <u>North</u> LINE OF SEC. <u>16</u> TWP <u>15N</u> RGE. <u>33E</u> NMPM |                                    |   |                                    |

|                                |            |
|--------------------------------|------------|
| 7. Unit Agreement Name         |            |
| 8. Farm or Lease Name          | Cain State |
| 9. Well No.                    | 1          |
| 10. Field and Pool, or Wildcat | Wildcat    |
| 12. County                     | Harding    |

|   |                       |                                  |  |                                 |
|---|-----------------------|----------------------------------|--|---------------------------------|
| 15. Date Spudded  | 16. Date T.D. Reached | 17. Date Compl. (Ready to Prod.) | 18. Elevations (DF, R&B, RT, GR, etc.) | 19. Elev. Casinghead            |
| 10-27-70  | 11-4-70               | -                                | 4290.17 GR                             |                                 |
| 20. Total Depth   | 21. Plug Back T.D.    | 22. If Multiple Compl., How Many | 23. Intervals Drilled By               | 23. Intervals Drilled By        |
| 1501'   | Top                   | None                             | Rotary Tools                           | Cable Tools                     |
| 24. Producing Interval(s), of this completion - Top, Bottom, Name |                       |                                  |  | 25. Was Directional Survey Made |
|   |                       |                                  |  | No                              |
| 26. Type Electric and Other Logs Run                              |                       |                                  |  | 27. Was Well Cored              |
| None  |                       |                                  |  | No                              |

| 28. CASING RECORD (Report all strings set in well) |                |           |           |                  |               |
|--|----------------|-----------|-----------|------------------|---------------|
| CASING SIZE  | WEIGHT LB./FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
| 10 3/4"  | 20 lb.         | 230'      | 13 1/4"   | 130              | None          |
| 5 1/2"   | 15.50          | 1397'     | 7 7/8"    | 335              | None          |

| 29. LINER RECORD |     |        |              |        | 30. TUBING RECORD |           |            |
|------------------|-----|--------|--------------|--------|-------------------|-----------|------------|
| SIZE             | TOP | BOTTOM | SACKS CEMENT | SCREEN | SIZE              | DEPTH SET | PACKER SET |
|                  |     |        |              |        |                   |           |            |

|  |  |                               |
|--|--|-------------------------------|
| 31. Perforation Record (Interval, size and number) | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. |                               |
|  | DEPTH INTERVAL                                 | AMOUNT AND KIND MATERIAL USED |
|  |  |                               |
|  |  |                               |

| 33. PRODUCTION        |                 |   |                         |            |              |                                |                 |
|-----------------------|-----------------|---|-------------------------|------------|--------------|--------------------------------|-----------------|
| Date First Production |                 | Production Method (Flowing, gas lift, pumping - Size and type pump) |                         |            |              | Well Status (Prod. or Shut-in) |                 |
| Date of Test          | Hours Tested    | Choke Size  | Prod'n. For Test Period | Oil - Bbl. | Gas - MCF    | Water - Bbl.                   | Gas - Oil Ratio |
| Flow Tubing Press.    | Casing Pressure | Calculated 24-Hour Rate   | Oil - Bbl.              | Gas - MCF  | Water - Bbl. | Oil Gravity - API (Corr.)      |                 |

|  |                   |
|--|-------------------|
| 34. Disposition of Gas (Sold, used for fuel, vented, etc.) | Test Witnessed By |
|--|-------------------|

|                         |
|-------------------------|
| 35. List of Attachments |
|-------------------------|

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 Donald E. Benoit TITLE Wellhead Surveyor DATE 11-28-70

## 4

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 radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate 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 _____        | T. Ojo Alamo _____          | T. Penn. "B" _____      |
| T. Salt _____            | T. Strawn _____        | T. Kirtland-Fruitland _____ | T. Penn. "C" _____      |
| B. Salt _____            | T. Atoka _____         | 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. 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. _____                |
| T. Blinebry _____        | T. Gr. Wash _____      | T. Morrison _____           | T. _____                |
| T. Tubb _____            | T. Granite _____       | T. Todilto _____            | T. _____                |
| T. Drinkard _____        | T. Delaware Sand _____ | T. Entrada _____            | T. _____                |
| T. Abo _____             | T. Bone Springs _____  | T. Wingate _____            | T. _____                |
| T. Wolfcamp _____        | T. _____               | T. Chinle _____             | T. _____                |
| T. Penn. _____           | T. _____               | T. Permian _____            | T. _____                |
| T. Cisco (Bough C) _____ | T. _____               | T. Penn. "A" _____          | T. _____                |

FORMATION RECORD (Attach additional sheets if necessary)

| From | To | Thickness<br>in Feet | Formation            | From | To | Thickness<br>in Feet | Formation |
|------|----|----------------------|----------------------|------|----|----------------------|-----------|
|      |    |                      | See attached sheets. |      |    |                      |           |

BECK PRODUCING CO. #1 CAIN  
Section 16, T-15N, R-33E  
Harding County, New Mexico

October, 1970

- 400-10 gr sh, tr lime, tr grn sandy sh, tr sd  
410-20 as above  
420-30 red & gr sh, ss stringers  
430-40 gr shale, ss stringers, tr angular qtz  
440-50 ss fine grained loosely cemented, gr grn & red sh  
450-60 ss very fine grained and tightly cemented, red & gr sh  
460-70 as above w/tr gr sh  
470-80 ss as above w/some greasy qtz pebbles, red & grn shale  
480-90 ss as above w/qtz pebbles, red sh  
490-500 ss, tr lime, gr & grn shale, tr red beds  
500-10 ss fine gr, loosely cemented, rd  
510-20 gr shale, grn shale, red shale, tr dense pink limestone  
drilling 3"/ft.  
520-30 as above, tr bentonite, tr large angular qtz grains  
530-40 increase in red shale, possibly cavings  
540-50 gr & grn sh, tr red shale, rust colored large angular qtz grains  
550-60 as above w/increase in qtz, tr dol drilling 5"/ft.  
560-70 ss very f gr tightly cement, qtz pebbles angular to sub rounded,  
increase in dol  
570-80 ss & qtz as above, increase in dol, tr gr sh, tr med sh  
580-90 as above, tr med gr white tightly cemented ss  
590-600 as above, increase in red sh-probably cavings  
600-610 red shale w/qtz as above  
610-20 red shale, tr dol, some f gr loosely cemented ss  
620-30 as above w/increase in ss, tr grn sh  
630-40 as above. ss f gr tightly cem  
640-50 as above w/increase in v f gr tightly cem ss, tr qtz pebbles  
650-60 as above  
660-70 as above, tr med gr white tightly cem ss  
670-80 ss v f gr tightly cem, rainbow oil, tr flor, tr cut gas show  
drilling break 676-79  
680-686 ss as above, increase in med gr ss. No show  
680-90 ss med gr white, rainbow oil on cuttings, tr flor, tr cut; tr gr  
sh, tr qtz pebbles  
692 as above, rainbow on cuttings, tr ss w/clear rd qtz grains cem  
w/yellow matrix  
690-700 as above, rainbow on cuttings, tr flor, no cut, tr v tight poorl  
sorted hd ss w/clear qtz gr  
700-10 ss fine gr brown, ss med gr white tr flor, tr grn sh, qtz pebble

Beck Producing Co. #1 Cain  
Section 16, T-15N, R-33E  
Harding County, New Mexico

Page No. 2

- 710-20 ss fine gr brown, tr grn shale, tr med gr white ss w/spotty flor,  
qtz pebbles, tr dol
- 720-30 ss med gr white v tightly cem, tr f gr brown ss, grn sh, tr red  
sh, qtz pebbles
- 730-40 ss med gr white poorly cemented, ls white, tr grn & red sh,  
tr qtz pebbles
- 740-50 ss as above, ls white-gray, red sh, tr pyrite
- 750-60 ss & ls as above, rust colored greasy qtz, gr & red sh, pyrite
- 760-70 ls & qtz as above w/decrease in ss, red & gr sh, pyrite
- 770-80 ls white-gr dense, rust colored qtz, some ss med gr white, red &  
gr sh, pyrite
- 780-90 as above w/increase in ss & pyrite, tr flor in ss, tr cal w/bk  
inclusion
- 790-800 ls white-gr dense, red & gr sh, tr rust colored qtz, tr anhy,  
some ss med gr white, pyrite
- 800-10 ls as above, c-f gr white ss poorly cem, tr rose & clear qtz  
pebbles, pyrite
- 810-20 as above w/red & grn sh, tr bentonite sh
- 820-30 ls white-gr dense, c-f gr white-clear ss poorly cem, tr flor,  
no cut, pyrite
- 830-40 red shale, ls white, tr yellow ls, tr anhy, white-clear ss  
tightly cem, pyrite
- 840-50 red sh as above, ls wh-gr, ss as above, tr qtz pebbles, gr sh,  
pyrite
- 850-60 red siltstone, ls & ss as above, red sh, tr qtz pebbles, pyrite
- 860-70 as above w/trace v f gr poorly cem ss
- 870-80 red siltstone, red sh, qtz pebbles, tr coarse gr wh ss, tr anhy,  
wh-gr ls
- 880-90 as above, tr grn sh
- 890-900 as above without grn sh
- 900-910 red siltstone, red sh, tr gr siltstone, tr gr & grn ls, tr v f  
gr white ss
- 910-912 ss gr v f gr calc, tr gr siltstone, tr gr & grn ls, tr anhy, pyrite,  
some red siltstone
- 912-20 as above w/increase red siltstone, rd gr clear qtz (mud fluff)
- 920-30 wh chalk, white greasy anhy, red siltstone, red sh, gr sh
- 935 tr rainbow on pit. Since no oil was in samples it is possible  
that rainbow was caused by oil leak on the rig.
- 930-40 anhy white greasy, chalk white, tr gyp, tr c gr clear poorly  
cem ss, rd sh & siltstone
- 940-50 anhy white to pink greasy, chalk white, gyp, tr v f gr tight ss,  
rd sh & siltstone. increase oil bubbles on pit - no flor



Beck Producing Co. #1 Cain  
Section 16, T-15N, R-33E  
Harding County, New Mexico

Page No. 3

- 950-60 anhy wh-grn-pink greasy, chalk, gyp, ss, sh & siltstone as above,  
tr wh ls
- 960-70 rd sh & siltstone, anhy as above, tr chalk & grn sh, tr med gr  
ss, rainbow oil & spotty flor
- 970-80 as above w/less ss & less flor, no rainbow
- 980-90 rd siltstone slightly cal, red sh, tr brn dol dns, anhy & tr gyp,  
c gr ss w-c grains sub round, spotty flor
- 990-1000 as above w/no dol, no flor, tr grn sh
- 1000-10 as above, tr dol, no grn sh
- 1010-20 siltstone & sh as above, anhy as above, tr dol, tr c gr clear qtz
- 1020-30 rd siltstone slightly calc, red sh, anhy & tr gyp, tr chalk, tr dol,  
c gr clear qtz crystals sub round, spotty flor
- 1030-40 as above w/no chalk
- 1040-50 as above w/spotty flor
- 1050-60 rd siltstone slightly calc, red sh, wh anhy, tr clear anhy,  
increase in dol hd & dn spot of flor. Drill break 3"-1" @ 1055
- 1060-70 as above w/wh chalk & gr sh, tr qtz pebbles, tr yellow lime  
spot of flor. Drill break 1065
- 1070-80 as above w/increase in chalk & qtz pebbles, spot of flor,  
drill break @ 1074
- 1080-90 rd siltstone slightly calc, v soft red sh, tr anhy, tr chalk,  
tr dol, tr pyrite
- 1090-1100 as above w/increase in v soft red bentonic sh
- 1100-10 as above w/increase in anhy & no pyrite
- 1110-20 anhy wh-gr mass & w gran, chalk, red siltstone, v soft, red sh,  
tr dol, qtz pebbles, tr drk br sh, tr cal
- 1120-30 rd siltstone, v soft red sh, anhy wh-gr mass & w gran, tr chalk,  
tr grn sh
- 1130-40 anhy wh-gr-red greasy, siltstone red calc, dol mass dark gr dense,  
tr cal, tr chalk
- 1140-45 dol dark gr ds, tr anhy, tr red siltstone, tr chalk
- 1145-50 as above, increase in anhy w-rose colored
- 1150-60 as above, tr dark gr sh
- 1160-70 as above
- 1170-80 dol dark gr-w dns, anhy w-rose, tr gyp, tr chalk
- 1180-90 anhy as above, some granular anhy, dol, gyp & chalk as above,  
tr red sh
- 1190-1200 anhy as above w/some blk deposits in cleavage plane, dol decreased,  
gyp & chalk as above
- 1200-10 as above w/red sh

Beck Producing Co. #1 Cain  
Section 16, T-15N, R-33E  
Harding County, New Mexico

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- 1210-20 anhy w-rose, dol drk-gr-grn, tr red sh, tr chalk, tr pyrite  
1220-30 anhy as above, some anhy w/drk brn calc deposit on surface, tr white lm, tr chalk, tr drk gr calc sh  
1230-40 as above with increase in dol  
1240-50 anhy w-rose, tr wh lm, tr dol, tr red sh, tr white chalk  
1250-60 gr sh soft bentonitic, gr sh calc, gr dol, anhy w-gr greasy, tr red sh  
1260-70 sh as above, dol dark gr hard & dense, anhy as above, tr chalk, tr red sh  
1270-80 gr sh soft bent, gr sh cal, anhy white granular, white chalk, tr gr dol, tr red sh  
1280-90 anhy wh-gr-rose, dol v hard & tight dark gray, tr red sh  
1290-1300 as above, tr dark brown possible volcanic, tr yellow anhy  
1300-10 anhy wh-gr-blk, some greasy anhy, dol as above, tr red sh, tr gr sh, tr gran anhy, tr chalk  
1310-20 dol dense dark gray, anhy as above, tr red sh, crystalline calcite, tr chalk, crystalline gyp  
1320-30 anhy as above, dol decreased fr above, tr red sh, crystalline calcite, tr chalk. Drilling break from 5"/' to ½"/' @ 1333  
1330-40 as above. further decrease in dol, increase in chalk  
1340-50 dol dense dark gr, anhy w-gr greasy & white granular, tr red sh, tr gyp  
1350-60 dol porous dark gr, no flor, no cut; dense dol & anhy as above, tr gyp  
1360-70 dol dense dark gr-brn, tr porous as above, anhy & gyp as above  
1370-80 dol dense dark gr-brown, anhy & gyp as above. Drlg. break @ 1382 5"-2"  
1380-90 as above (22" to get up samples) Drilled 1½"-3"/ft to 1391  
1390-95 dol porous - live oil in samples, yellow flor, cut-dol, anhy & gyp as above (this sample was taken from drill break of 1382-1391)

Notes: Obtained drilling break from 1382-1391. Prior to break rate was averaging 5"/ft.  
1382-1391 drilled at 1½"-3"/ft.  
From 1391-1397 rate averaged 5"/ft. with 1' drilling in 7".  
At 1397½ rate increased abruptly and circulation was lost.  
Attempted to regain circulation by adding lost circulation material without success.

BECK PRODUCING CO. #1 CAIN  
Section 16, T-15N, R-33E  
Harding County, New Mexico

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1395-1400 Hard gray lime, tr red bed, w/sand anhy  
1400-1405 Hard gray lime, tr red bed, black shale, tr sand anhy  
1405-1410 Gray lime, tr brown sand, black shale anhy  
1410-1415 tr w/sand gray lime, tr chaulk anhy  
1415-1420 gray lime, tr w/sand, tr red bed, tr black shale anhy, something  
red unknown  
1420-1425 tr flor gray lime, tr chaulk anhy  
1425-1430 gr lime, tr w/sand tr anhy  
1430-1435 hard dense gr lime, tr black shale, tr anhy, tr red shale  
1435-1440 gr lime, tr anhy, tr w/sand, black shale  
1440-1445 same as above  
1445-1450 same as above tr red bed  
1450-1455 tr black shale, tr gray lime, tr chaulk anhy  
1455-1460 same as above tr red shale  
1460-1465 brown sand, tr black shale, anhy, tr gray lime  
1465-1470 brown sand, tr brown lime tr anhy, tr chalk  
1470-1475 hard brown lime tr black shale, brown sand, tr chalk, anhy  
1475-1480 tr chalk, tr anhy, tr brown sand, dense brown lime  
1480-1485 gray lime, anhy, tr brown lime  
1485-1490 hard gray lime, tr brown lime anhy  
1490-1495 same as above, tr brown sand  
1495-1501 gray shale, gray lime, tr anhy, tr brown sand

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NEW MEXICO OIL CONSERVATION COMMISSION

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

PEA

|  |
|--|
| 5a. Indicate Type of Lease<br>State <input checked="" type="checkbox"/> Fee <input type="checkbox"/> |
| 5. State Oil & Gas Lease No.<br>K-6410   |
| 7. Unit Agreement Name   |
| 8. Farm or Lease Name<br>Calixix State   |
| 9. Well No.<br>1   |
| 10. Field and Pool, or Wildcat<br>Wildcat  |
| 12. County<br>Harding  |

**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 checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>   |
| 2. Name of Operator<br>Beck Producing Company  |
| 3. Address of Operator<br>900 Medical Arts Avenue, NE, Albuquerque, NM 87106   |
| 4. Location of Well<br>UNIT LETTER <u>B</u> <u>1,987.92</u> FEET FROM THE <u>East</u> LINE AND <u>660</u> FEET FROM<br>THE <u>North</u> LINE, SECTION <u>16</u> TOWNSHIP <u>15N</u> RANGE <u>33E</u> NMPM. |
| 15. Elevation (Show whether DF, RT, GR, etc.)<br>4290.17 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"/>             | REMEDIAL WORK <input type="checkbox"/>                         | ALTERING CASING <input type="checkbox"/>      |
| TEMPORARILY ABANDON <input type="checkbox"/>   | CHANGE PLANS <input type="checkbox"/>                 | COMMENCE DRILLING OPNS. <input checked="" type="checkbox"/>    | PLUG AND ABANDONMENT <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/>  | OTHER <u>set long string</u> <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.

Moved rig in on location October 27, 1970. Rigged up and started drilling operations. Set 220 feet of 8 5/8 surface casing. Cemented with 200 sks of cement. Drilled well to TD of 1397 feet. Set 2x5/8 5 1/2 casing to 1379 feet. Cemented with 375 sks cement. Waiting on cable tools.

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

|                                   |                                   |                      |
|-----------------------------------|-----------------------------------|----------------------|
| SIGNED <u>Ronald E. Brown Jr.</u> | TITLE <u>Drilling Supt.</u>       | DATE <u>11/14/70</u> |
| APPROVED BY <u>J. Kaptana</u>     | TITLE <u>Asst. Ins. Inspector</u> | DATE <u>6/16/71</u>  |
| CONDITIONS OF APPROVAL, IF ANY:   |                                   |                      |

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STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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

Form C-103  
Revised 10-1-78

|  |
|--|
| 5a. Indicate Type of Lease<br>State <input checked="" type="checkbox"/> Fee <input type="checkbox"/> |
| 5. State Oil & Gas Lease No.<br>K6410  |
| 7. Unit Agreement Name   |
| 8. Farm or Lease Name<br>Cain State  |
| 9. Well No.<br>1   |
| 10. Field and Pool, or Wildcat<br>Wildcat  |
| 12. County<br>Harding  |

**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 checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>                               |
| 2. Name of Operator<br>Beck Production Company   |
| 3. Address of Operator<br>900 Medreal Arts Ave. Albuquerque, New Mexico  |
| 4. Location of Well<br>UNIT LETTER B 1987.92 FEET FROM THE East LINE AND 660 FEET FROM THE North LINE, SECTION 16 TOWNSHIP 15N RANGE 33E NMPM. |
| 15. Elevation (Show whether DF, RT, GR, etc.)<br>4290-17 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 ☐  
OTHER ☐

PLUG AND ABANDON ☐  
CHANGE PLANS ☐  
OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐  
COMMENCE DRILLING OPNS. ☐  
CASING TEST AND CEMENT JOBS ☐  
OTHER ☐  
ALTERING CASING ☐  
PLUG AND ABANDONMENT ☒

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.

Panhandle Pluggers, Inc. Box 742, Pampa, Texas 79065, moved in equipment to plug and abandon the Cain State Well # 1, on Oct. 25, 1979. On Oct. 26, 1979, we ran tubing to 375' and tried to wash down, but could not get any deeper. Mixed 15 sacks of cement and filled hole to top with cement. Place 4" marker on well. Completed on 10-26-79.

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

SIGNED Kenneth C. Linsman

TITLE President

DATE 10-29-79

APPROVED BY Carl Ulvog

TITLE

DATE 11-5-79

CONDITIONS OF APPROVAL, IF ANY: