

Form 9-331
RECEIVED 1973

Form Approved.
Budget Bureau No. 42-R1424

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JAN 20 1986

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

O.C.D.

ARTESIA, SUNDY

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 well ☐ gas well ☒ other

2. NAME OF OPERATOR

Chama Petroleum Company ✓

3. ADDRESS OF OPERATOR

P.O. Box 31405, Dallas, Texas 75231

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

AT SURFACE: 735' FSL & 660' FWL Sec. 35

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) Completion ☐

SUBSEQUENT REPORT OF:

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5. LEASE

NM-8247

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Gulf Federal Com

9. WELL NO.

1-Y

10. FIELD OR WILDCAT NAME

Undesignated Morrow

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

Sec. 35-19S-25E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
3500' GL

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

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.)*

3-3-84: MI & RU PU

3-6-84: TIH with 3 7/8" bit on 2 3/8" N-80 tbg, tagged PBTD @ 9710' by pipe depth, installed BOP, displaced hole with 3% KCL water containing clay stay, pressured csg. & wellhead to 1500# & held, POOH incomplete, SN

3-7-84: POOH, RU wireline, tagged bottom at 9696' by correlation, ran GammaRay TDC log from PBTD to 8200', TIH with Van System with pkr. and on/off tool with 1.81" profile nipple, tested 2 3/8" N-80 tbg. to 8000# above slips, incomplete, SN

3-8-84: RU wireline, tied RA marker into GammaRay log, spaced out tubing, set pkr. at 9600' with guns from 9634-38', removed BOP, installed wellhead & flare line, dropped bar & fired guns had slight blowout. TIH

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SUNDRY NOTICES AND REPORTS ON WELLS

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1. oil ☐ well gas ☒ well other

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REPAIR WELL ☐
PULL OR ALTER CASING ☐
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ABANDON* ☐
(other) Completion

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NM-8247

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Eddy New Mexico

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3-8-84: Continued:

2 bbls. acid ahead of 2000 gal. Morrow BC acid containing 1000 SCF of nitrogen per bbl., pressured to 7800# @ 3 bbls. per min., broke back to 6500#, treated @ 6200# TP @ 4.7 bbls. per min. on acid & nitrogen, ISIP 4300#, 3630# in 5 min., removed isolation tool, opened well up to pit with 2500# TP, flowed down with no gas show, TIH with swab, FL 3000' FS, made 1 swab run with small amount of gas ahead and on tail end of run, SN

3-9-84: 650# TP, -0-# CP, blew well down, FL 2000' FS, swabbed est. 90 bbls. water, lowered FL to 8500' FS, 2000' of fluid coming into hole in 15 min., very little gas show, SN, water sample indicated spent acid water:

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MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
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| 6. IF INDIAN, ALLOTTEE OR TRIBE NAME | |
| 7. UNIT AGREEMENT NAME | |
| 8. FARM OR LEASE NAME Gulf Federal Com | |
| 9. WELL NO. 1-Y | |
| 10. FIELD OR WILDCAT NAME Undesignated Morrow | |
| 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 35-19S-25E | |
| 12. COUNTY OR PARISH Eddy | 13. STATE New Mexico |
| 14. API NO. | |
| 15. ELEVATIONS (SHOW DF, KDB, AND WD) 3500' GL | |

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- 3-10-84: 250# TP, blew well down with very small gas flare, FL 2800' FS, swabbed est. 130 bbls. water, lowered FL to 8500' FS, SN, water sample still indicated some spent acid water.
- 3-11-84: SN for Sunday
- 3-12-84: 250# TP, FL 2800' FS, released pkr., POOH, RU GeoVann, set Halliburton SVEZ drill cement retainer at 9620', RD GeoVann, TIH with Halliburton stinger on 2 3/8" N-80 tbg., stung into cement retainer, SN
- 3-13-84: RU Halliburton, pumped thru cement retainer, pressure tested tbg., mixed & pumped 50 sacks Class H cement containing 6/10 of 1% Hallad 9 & 25 sacks Class H neat cement, spotted cement to within 2 bbls. of retainer, obtained 3600# walking squeeze with 21

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| REQUEST FOR APPROVAL TO: | | SUBSEQUENT REPORT OF: | |
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| TEST WATER SHUT-OFF | <input type="checkbox"/> | | <input type="checkbox"/> |
| FRACTURE TREAT | <input type="checkbox"/> | | <input type="checkbox"/> |
| SHOOT OR ACIDIZE | <input type="checkbox"/> | | <input type="checkbox"/> |
| REPAIR WELL | <input type="checkbox"/> | | <input type="checkbox"/> |
| PULL OR ALTER CASING | <input type="checkbox"/> | | <input type="checkbox"/> |
| MULTIPLE COMPLETE | <input type="checkbox"/> | | <input type="checkbox"/> |
| CHANGE ZONES | <input type="checkbox"/> | | <input type="checkbox"/> |
| ABANDON* | <input type="checkbox"/> | | <input type="checkbox"/> |
| (other) Completion | <input type="checkbox"/> | | <input type="checkbox"/> |

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3-13-84: Continued:

in csg., reversed out 48 sacks, displaced hole with 3% KCL containing clay stay & lowsulf, RD Halliburton, POOH, SN

3-14-84: RU GeoVann, perforated at 9590,91,95,96,97,9600,9601' with 4 holes per ft., total 28 shots, RD GeoVann, TIH with vent assembly, redressed lockset pkr., on/off tool with 1.81" profile nipple, removed BOP, installed tree, set pkr. & opened vent assembly, flange up tree, had small blow only, TIH with swab, no fluid in hole, RU Halliburton, installed isolation tool, pumped 2 bbls. Morrow BC acid, followed with 5000 SCF of nitrogen, followed with 2000 gals. Morrow BC acid containing 1000 SCF of nitrogen per bbl., Max. treating pressure 6700#, Average pressure 5052# & average rate of 5.7 bbls. per min.

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|---|-------------------------|
| 5. LEASE NM-8247 | |
| 6. IF INDIAN, ALLOTTEE OR TRIBE NAME | |
| 7. UNIT AGREEMENT NAME | |
| 8. FARM OR LEASE NAME Gulf Federal Com | |
| 9. WELL NO. 1-Y | |
| 10. FIELD OR WILDCAT NAME Undesignated Morrow | |
| 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 35-19S-25E | |
| 12. COUNTY OR PARISH Eddy | 13. STATE New Mexico |
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| 15. ELEVATIONS (SHOW DF, KDB, AND WD) 3500' GL | |

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SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE
NM-8247

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Gulf Federal Com

9. WELL NO.
1-Y

10. FIELD OR WILDCAT NAME
Undesignated Morrow

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
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12. COUNTY OR PARISH
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3500' GL

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- 3-14-84: Continued:
blew well down in 1 hr. & 15 min., flowed & swabbed est. 55 bbls. load water with small gas flare from 3 to 5', SN
- 3-15-84: 9 hr. CIP 700#, blew well down in 5 min. with very small flare, FL 3500' FS, still recovering acid water & nitrogen, swabbed est. 50 bbls. water, lowered FL to pkr., fluid scattered with gas increasing during runs with 3 to 5' flare after run, est. 5 bbls. fluid per hr. coming in hole, SN
- 3-16-84: Water sample indicates treated fluid & formation fluid, 12½ hr. CIP 400#, blew well down in 3 min, FL 3500' FS, swabbed est. 30 bbls. water in 3½ hrs. with FL at pkr. with very little gas show, 1300' of fluid came in hole in 1 hr., SN

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1. oil ☐ gas ☒ other

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4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
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| REPAIR WELL | <input type="checkbox"/> | | <input type="checkbox"/> |
| PULL OR ALTER CASING | <input type="checkbox"/> | | <input type="checkbox"/> |
| MULTIPLE COMPLETE | <input type="checkbox"/> | | <input type="checkbox"/> |
| CHANGE ZONES | <input type="checkbox"/> | | <input type="checkbox"/> |
| ABANDON* | <input type="checkbox"/> | | <input type="checkbox"/> |
| (other) Completion | | | |

5. LEASE

NM-8247

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Gulf Federal Com

9. WELL NO.

1-Y

10. FIELD OR WILDCAT NAME

Undesignated Morrow

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

Sec. 35-19S-25E

12. COUNTY OR PARISH

Eddy

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New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
3500' GL

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3-17-84: 300# CITP, FL 2500' FS, removed tree, installee BOP, released pkr., POOH, RU GeoVann, set cast iron bridge plug at 9580', capped with 35' cement, new PBTD 9545', RD GeoVann, SN.

3-18-84: SN for Sunday

3-19-84: RU GeoVann, perforated at 9481,82,83&84,9343&44' with 4 holes per ft., guns did not fire at 9481-84', reran & reperforated, RD GeoVann, TIH with Halliburton retrievable bridge plug & RTTS pkr., spotted 250 gals. 7½% Morrow BC acid over perfs at 9343-44', unable to break down perfs., reset bridge plug & pkr., still unable to break down perfs., tagged PBTD with pipe, pulled up, spotted 500 gals. acid over perfs at 9481-84', broke down & treated perfs at 3700# TP, ISIP 2400#. resotted 250 gals.

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| |
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| 1. oil well <input type="checkbox"/> gas well <input checked="" type="checkbox"/> other |
| 2. NAME OF OPERATOR Chama Petroleum Company |
| 3. ADDRESS OF OPERATOR P.O. Box 31405, Dallas, Texas 75231 |
| 4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) AT SURFACE: 735' FSL & 660' FWL Sec. 35 AT TOP PROD. INTERVAL: AT TOTAL DEPTH: |
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| (other) Completion | |

| | |
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| 5. LEASE NM-8247 | |
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- 3-19-84: Continued:
per min. at 4290#, ISIP 2260#, retrieved bridge plug & reset below 9500', reset pkr. at 9250', installed tree, swabbed est. 45 bbls. load water, lowered FL to pkr. with from 3 to 8' flare, last 2 runs only recovered 1/2 to 1 bbl. per run, SD
- 3-20-84: 7 hr. CITP 260#, opened well up to pit with sustained 1' flare, est. 20 MCF, FL at pkr., swabbed est. 7 bbls. load water, RU Bennett-Cathey flow prover, ran test for 2 hrs. at average 21 MCF per day, witnessed by BLM (Danny Cortez), swabbed est. 1 1/2 bbls. in next 2 hrs., SN
- 3-21-84: 260# TP, blew well down, RU Halliburton, loaded tbq. with 3% KCL water with clay stay & lowsulf, released pkr., retrieved bridge plug, POOH.

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3-21-84: Continued:

temporarily abandon, new PBDT at 9325', perforated at 9284,83,9269,68, 67&66,9248,47&46,9208,07,06,05&04 with 1 hole per ft., except at 9269 89205 which was perforated with 2 holes per ft., bottom 3 zones were only zones that fired, 9284,83 & 1 shot at 9269', TIH with new selector & guns, reperforated in zones 9205½,05&04, did not fire, TIH with another selector & guns, reperforated in all zones, now perforated as above, RD GeoVann, TIH with redressed Baker lockset pkr. with on/off tool & 1.81" profile nipple, tagged bottom at 9325', pulled up, SN

3-22-84: RU Halliburton, spotted 250 gal. 7½% Morrow BC acid over perfs at 9284 to 9204, pulled up to 9040', reversed acid up tbg, set pkr., removed BOP,

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3500' GL

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

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.)*

3-22-84: Continued:

3½ bbls. per min., then increased rate to 3200# at 4 bbls. per min., ISIP 1300#, RD Halliburton, swabbed load fluid back with small gas flare, installed isolation tool, pumped 5000 SCF nitrogen pad, followed with 2500 gal. 7½% Morrow BC acid containing 1000 SCF of nitrogen per bbl. injecting 7/8" RCN ball sealers evenly, obtained ball out with 28 ball sealers on perfs at 6200#, released unknown amount of ball sealers, resumed displacement of acid at 4030# at 5 bbls. per min., ISIP 2800#, flowed & swabbed majority of load fluid back, SN

3-23-84: 1000# CIP, open well up to pit, flowed well down, FL 4000' FS, swabbed est. 7 bbls. load water with fluid level at pkr., RU Halliburton, installed isolation tool, sand fracked down 2 2/8" at 4000' FS, then

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ other

2. NAME OF OPERATOR
Chama Petroleum Company

3. ADDRESS OF OPERATOR
P.O. Box 31405, Dallas, Texas 75231

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 735' FSL & 660' FWL Sec. 35
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) Completion

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☐

5. LEASE

NM-8247

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Gulf Federal Com

9. WELL NO.

1-Y

10. FIELD OR WILDCAT NAME

Undesignated Narrow

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

Sec. 35-19S-25E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
3500' GL

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

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.)*

3-23-84: Continued:

perfs at 9204-9284 using 20,000 acid gel II, treated with total of 25,400# of 20/40 sand in tapered stages from 1/2 to 2# sand per gal., using 30% CO₂, average rate of 9 bbls. per min. on fluid & CO₂ at average pressure of 6400#, ISIP 7070# in 15 min., removed isolation tool, blew well to pit, after 2½ hrs. closed-in time, well flowed back acid water & CO₂ for 8½ hrs., had small gas flare which steadily increased as CO₂ dissipated, made 3 swab runs with FL scattered from surface to pkr.

3-24-84: Reduced choke to 12/64" at 2:00 A.M. 3-24-84, continued flaring well to pit until 10:00 A.M., crew returned to well, swabbed est. 8 bbls. load water with FL at pkr. closed-in well for build-up at 12:00 P.M.

UNITED STATES
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SUNDRY NOTICES AND REPORTS ON WELLS

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1. oil ☐ gas ☒ other ☐
well well

2. NAME OF OPERATOR
Chama Petroleum Company

3. ADDRESS OF OPERATOR
P.O. Box 31405, Dallas, Texas 75231

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 735' FSL & 660' FWL Sec. 35
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 | <input type="checkbox"/> | | <input type="checkbox"/> |
| FRACTURE TREAT | <input type="checkbox"/> | | <input type="checkbox"/> |
| SHOOT OR ACIDIZE | <input type="checkbox"/> | | <input type="checkbox"/> |
| REPAIR WELL | <input type="checkbox"/> | | <input type="checkbox"/> |
| PULL OR ALTER CASING | <input type="checkbox"/> | | <input type="checkbox"/> |
| MULTIPLE COMPLETE | <input type="checkbox"/> | | <input type="checkbox"/> |
| CHANGE ZONES | <input type="checkbox"/> | | <input type="checkbox"/> |
| ABANDON* | <input type="checkbox"/> | | <input type="checkbox"/> |
| (other) Completion | <input type="checkbox"/> | | <input type="checkbox"/> |

5. LEASE
NM-8247

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Gulf Federal Com

9. WELL NO.
J-Y

10. FIELD OR WILDCAT NAME
Undesignated Morrow

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 35-19S-25E

12. COUNTY OR PARISH
Eddy

13. STATE
New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
3500' GL

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

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3-25-84: Closed-In for build-up

3-26-84: 2250# C1TP, ran bottom hole pressure bombs.

3-27-84: Ran 4 point test, TIH with bombs for pressure build-up

3-28-84: Ran 4 point test, waiting on bottom hole pressure survey

3-29-84: Waiting on bottom hole pressure survey

3-30-84: Pulled bombs, well shut-in waiting on pipeline connection

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

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

SIGNED Harrie Craft TITLE Prod. Secretary DATE April 9, 1984

(This space for Federal or State office use)

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

ACCEPTED FOR RECORD

GWD
JAN 16 1986

*See Instructions on Reverse Side

CARLSBAD, NEW MEXICO