EMNRD-OCD ARTESIA

REC'D: 4/13/2020 Form C-102 Revised August 13, 2011

State of New Mexico Energy, Minerals and Natural Resources Department

Submit one copy to appropriate District Office

OIL CONSERVATION DIVISION

1220 South St. Francis Dr. Santa Fe, New Mexico 87505

> *BHL location is different from SHL for this vertical well. ab XX AMENDED REPORT

DISTRICT IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone (505) 478-3460 Fax: (505) 476-3462

API Number 30-015-45766

Property Code 20767

DISTRICT I 1625 N. French Dr., Hobbs, NM 88240 Phone (578) 393-6161 Fax: (576) 393-0720 DISTRICT II 811 S. First St., Artesia, NM 88210 Phone (576) 748-1283 Fax: (575) 748-9720

1000 Rio Brazos Rd., Aztec, NM 87410 Phone (505) 334-6178 Fax: (506) 334-6170

DISTRICT I

DISTRICT III

TOCATION AND ACDEACE DEDICATION DIAT

| ELL LOCA | TION AND | ACREAGE | DEDICATION | PLAT | |
|------------------|------------|------------------------|--------------|----------------------------|-------------------|
| Pool 968: | Code 31 | | Cedar Lake (| Pool Name Glorieta Yeso |) |
| | | operty Name CKSON A | | | Well Number 63 |

03080 No. BURNETT OIL COMPANY, INC. Surface Location

Elevation 3728

| UL or lot No. | Section | Township | Range | Lot Idn | FEET from the | SOUTH/South line | FEET from the | East/EAST line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| В | 24 | 17 S | 30 E | | 990 | NORTH | 2310 | EAST | EDDY |

Operator Name

*Bottom Hole Location If Different From Surface

| UL or lot No. | Section | Township | p Range | Lot Idn | FEET from the | SOUTH/South line | FEET from the | East/EAST line | County |
|-----------------|----------|----------|---------------|---------|---------------|------------------|---------------|----------------|--------|
| В | 24 | 17 5 | 30 E | | 978 | NORTH | 2315 | EAST | EDDY |
| Dedicated Acres | Joint of | r Infill | Consolidation | Code Or | der No. | | | | |
| 40 | 1 | | | | | | | | |

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

| OIL II IVOIV BIIIIV | DAKU UNII HAS DE | | |
|---|------------------|--|---|
| BOTTOM HOLE Lat - N 32.824536° Long - W 103.924350° NMSPCE - N 663941.8 E 666970.5 (NAD-83) (NAVD-88) | 978, 990, | 2315' 2310' | OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or, working interest, or to a voluntary pooling dyreement or a compulsory pooling order heretofore entered by the division. SIRVEYOR CERTIFICATION 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 supervison, and that the same is true and correct to the best of my belief. Date Sirveyed MEA. Signature & Sept of Professional Surveyor Certificate & Sept of Professional Surveyor O' 500' 1000' 1500' 2000' |
| | | 1 | SCALE: 1" = 1000' WO Num.: 35080 |



March 10, 2020

New Mexico Energy, Minerals and Natural Resources Department Attn: Oil Conservation Division 1220 South St. Francis Drive Santa Fe, NM 87505

Attn: Jackie Lathan

Re: Burnett Oil Company, Inc. Jackson A #063 Cedar Lake; Glorieta-Yeso Eddy County, New Mexico API# 30-015-45766

Enclosed please find the original and one (1) copy of the survey performed on the reference well by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C. Other information required by your office is as follows:

| Name & Title | Drainhole No. | Survey Depths | Dates Performed | Type Survey |
|--------------|---------------|----------------------|------------------------|--------------------|
| Cody Hash | Original Hole | 478ft. to 6,148ft. | 02-09-20 to 02-12-20 | MWD Survey |

A certified plat on which the bottom-hole location is oriented to both surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone

Eric Estes

number.

Enclosures CC:

Burnett Oil Company, Inc.

Attn: Steven Hill

801 Cherry St. Unit 9 Ste 1500 Fort Worth, Texas 76102

NMEMaNRD\Burnett Oil Co\Jackson A #063\M201042

STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C. P.O. Box 1250

Montgomery, TX 77356 Office (936) 582-7296 * Fax (936)-588-4163



March 10, 2020

Survey Certification Report

STATE OF

TEXAS

COUNTY OF

Montgomery

I, Eric Estes, certify that I am employed by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C., and that I did on the day(s) of February 9, 2020, through February 12, 2020 conduct or supervise the taking of a SEDS Original Hole MWD Survey from a depth of 478feet to a depth of 6,148 feet; that I am authorized and qualified to make this report; that this survey was conducted at the request of Burnett Oil Company, Inc., for the Jackson A #063, well API # 30-015-45766 in Eddy County, New Mexico; and that I have reviewed this report and find that it conforms to the principles as set forth by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.

Eric Estes

STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.

Office (936) 582-7296 * Fax (936)-588-4163

Stryker Energy Directional Services

Survey Report Landscape



Site Section 24-17S-30E 3728+19 @ 3747.0usft 3728+19 @ 3747.0usft Minimum Curvature EDM5000 Grid Local Co-ordinate Reference: North Reference: Survey Calculation Method: Database: TVD Reference: Burnett Oil Company Eddy County, N.M. (NAD 83) Section 24-17S-30E Jackson A 63 Original Hole As Drilled Company: Wellbore: Design: Project: Well: Site:

32° 49' 28.212 N 103° 55' 27.588 W Grid Convergence: Longitude: Latitude: 663,930.20 usft 666,976.40 usft 13-3/16 " Slot Radius: Northing: Easting: US State Plane 1983 North American Datum 1983 Section 24-17S-30E New Mexico Eastern Zone 0.0 usft Map Position Uncertainty: Site Position: Geo Datum: Map Zone:

Mean Sea Level

System Datum:

Eddy County, N.M. (NAD 83)

Map System:

Project

32° 49' 28.212 N 3,728.0 usft 103° 55' 27.588 W Ground Level: Longitude: Latitude: 663,930.20 usft 666,976.40 usft 19.0 usft Wellhead Elevation: Northing: Easting: 0.0 usft 0.0 usft 0.0 usft Jackson A 63 +E/-W S-/N+ Position Uncertainty Well Position Well

47,951.00204105 Field Strength (nT) 60.44 Dip Angle 6.91 Declination 0 02/07/20 Sample Date **GRF2020** Model Name As Drilled Magnetics Design

Original Hole

Wellbore

Direction (°) 335.00 +E/-W (usft) 0.0 +N/-S (usft) 0.0 Depth From (TVD) (usft) 0.0 Vertical Section: Version:

0.0

Tie On Depth:

ACTUAL

Phase:

1.0

Audit Notes:

MWD - Standard Description Tool Name MWD 6,203.0 Stryker Surveys (Original Hole) Survey (Wellbore) Date 02/13/20 (usft) 478.0 Survey Program From (usft)



Stryker Energy Directional Services Survey Report Landscape





| Burnett Oil Company Eddy County, N.M. (NAD 83) Section 24-17S-30E Jackson A 63 Original Hole As Drilled | Compan tty, N.M. (-17S-30E 63 | NAD 83) | | | | Loca TVD I MD R North Surv Datal | Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method: Database: | ä | Site Section 24-17S-30E 3728+19 @ 3747.0usft 3728+19 @ 3747.0usft Grid Minimum Curvature EDM5000 | 7S-30E .0usft .ousft ire | |
|--|---|---------------|------------|---------------|------------|---|--|--------|--|-----------------------------------|-------------------|
| | | | | | | | | | | | |
| 5 5 5 | 0 | Azi (azimuth) | TVD (usft) | N/S (usft) | E/W (usft) | Closure Dis (usft) | Closure DistanceClosure Azimuth (") | | DLeg (°/100usft) | Northing (usft) | Easting (usft) |
| | 1.00 | 0.00 | 467.0 | | 0.0 | 0.0 | 0.0 | 0.00 | 00:00 | 663,930.20 | 666,976.40 |
| | 1.50 | 326.40 | 478.0 | | 0.2 | -0.1 | 0.2 | 339.74 | 7.88 | 663,930.42 | 666,976.32 |
| | 1.80 | 337.30 | 6.099 | | 4.9 | -2.5 | 5.5 | 332.66 | 0.24 | 663,935.06 | 666,973.89 |
| | 1.70 | 345.30 | 844.8 | | 10.2 | 4.3 | 11.0 | 336.97 | 0.14 | 663,940.37 | 666,972.08 |
| | 0.50 | 68.10 | 1,033.8 | | 13.2 | 4.3 | 13.9 | 342.07 | 0.91 | 663,943.39 | 666,972.13 |
| | 1.10 | 173.30 | 1,222.8 | | 11.7 | -3.3 | 12.1 | 344.28 | 0.70 | 663,941.89 | 666,973.11 |
| | 0.90 | 172.10 | 1,410.8 | | 8.4 | -2.9 | 8.9 | 341.17 | 0.11 | 663,938.64 | 666,973.52 |
| | 0.40 | 185.50 | 1,598.8 | | 6.3 | -2.7 | 6.9 | 336.59 | 0.28 | 663,936.52 | 666,973.66 |
| | 0.30 | 343.60 | 1,786.7 | | 6.1 | -2.9 | 6.8 | 334.42 | 0.37 | 663,936.34 | 666,973.46 |
| | 0.70 | 327.80 | 1,974.7 | | 7.6 | -3.7 | 8.4 | 334.06 | 0.22 | 663,937.79 | 666,972.71 |
| | 1.30 | 333.40 | 2,163.7 | | 10.5 | -5.3 | 11.7 | 333.32 | 0.32 | 663,940.68 | 666,971.13 |
| | 0.70 | 28.90 | 2,351.7 | | 13.4 | -5.7 | 14.5 | 337.07 | 0.57 | 663,943.59 | 666,970.73 |
| | 1.10 | 123.40 | 2,540.7 | | 13.4 | -3.6 | 13.9 | 344.99 | 0.71 | 663,943.60 | 666,972.81 |
| | 1.40 | 143.20 | 2,728.6 | | 10.6 | -0.7 | 10.6 | 356.15 | 0.28 | 663,940.77 | 666,975.69 |
| | 1.00 | 143.10 | 2,917.6 | | 7.4 | 1.7 | 9.7 | 12.65 | 0.21 | 663,937.60 | 666,978.06 |
| | 0.80 | 153.30 | 3,105.6 | | 4.9 | 3.2 | 5.9 | 33.34 | 0.14 | 663,935.12 | 666,979.64 |
| | 0.50 | 121.80 | 3,294.6 | | 3.3 | 4.5 | 5.6 | 53.88 | 0.24 | 663,933.51 | 666,980.93 |
| | 0.50 | 117.70 | 3,483.5 | | 2.5 | 0.9 | 6.5 | 67.34 | 0.02 | 663,932.69 | 666,982.36 |
| | 0.60 | 131.50 | 3,670.5 | | 1.5 | 7.4 | 7.6 | 78.86 | 0.09 | 663,931.66 | 666,983.82 |
| | 0.60 | 131.90 | 3,858.5 | | 0.2 | 8.9 | 8.9 | 89.03 | 0.00 | 663,930.35 | 666,985.29 |
| | 0.50 | 148.00 | 4,047.5 | | -1.2 | 10.1 | 10.1 | 96.85 | 0.10 | 663,928.99 | 666,986.46 |
| | 1.20 | 222.50 | 4,236.5 | | -3.4 | 9.2 | 8.6 | 110.18 | 0.62 | 663,926.83 | 666,985.56 |
| | 1.00 | 224.20 | 4,425.5 | | -6.0 | 6.7 | 0.6 | 132.00 | 0.11 | 663,924.19 | 666,983.07 |
| | 0.80 | 237.20 | 4,613.4 | | -7.9 | 4.4 | 9.1 | 150.72 | 0.15 | 663,922.30 | 666,980.83 |
| | 0.70 | 242.40 | 4,801.4 | | -9.1 | 2.3 | 9.4 | 165.84 | 90.0 | 663,921.06 | 666,978.71 |
| | 0.80 | 233.10 | 4,989.4 | 1 | -10.5 | 0.2 | 10.5 | 178.69 | 0.08 | 663,919.74 | 666,976.64 |
| | 1.10 | 249.30 | 5,178.4 | 1 | -11.9 | -2.5 | 12.2 | 191.93 | 0.21 | 663,918.31 | 666,973.89 |
| | | | | | | | | | | | |

COMPASS 5000.15 Build 90



Stryker Energy Directional Services





Company: Burnett Oil Company
Project: Eddy County, N.M. (NAD 83)
Site: Section 24-17S-30E
Well: Jackson A 63
Wellbore: Original Hole
Design: As Drilled

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

rence: Site Section 24-17S-30E 3728+19 @ 3747.0usft 3728+19 @ 3747.0usft Grid Minimum Curvature EDM5000

| Survey | | | | | | | | | | | |
|--------------------------|------------|-------------------|------------|---------------|------------|------------------------|---|------------|---------------------|--------------------|-------------------|
| MD (usft) | <u>n</u> € | Azi (azimuth) (°) | TVD (usft) | N/S (usft) | E/W (usft) | Closure Dist (usft) | Closure Distance Closure Azimuth (usft) | re Azimuth | DLeg (°/100usft) | Northing (usft) | Easting (usft) |
| 5,368.0 | 1.00 | | 5,367.4 | -11.3 | | | | 205.18 | 0.63 | 663,918.89 | 666,971.08 |
| 5,556.0 | 1.00 | | 5,555.3 | -8.5 | | 9.9 | 10.7 | 217.74 | 0.34 | 663,921.73 | 666,969.85 |
| 5,744.0 | 1.20 | 352.10 | 5,743.3 | 4.9 | | -7.0 | 8.5 | 234.93 | 0.11 | 663,925.32 | 666,969.45 |
| 5,932.0 | 2.20 | 7022 | 5,931.2 | 0.7 | | 7.3 | 7.3 | 275.32 | 0.54 | 663,930.88 | 666,969.11 |
| 6,121.0 | 2.50 | | 6,120.1 | 8.3 | | 6.4 | 10.5 | 322.47 | 0.35 | 663,938.51 | 666,970.01 |
| 6,148.0 | 2.50 | 14.70 | 6,147.0 | 9.5 | , | 6.1 | 11.3 | 327.17 | 0.19 | 663,939.66 | 666,970.30 |
| 6,203.0 | 2.50 | | 6,202.0 | 11.8 | | 5.5 | 13.0 | 335.00 | 0.00 | 663,941.98 | 666,970.91 |
| 6203.0' Projected to bit | ted to bit | | | | | | | | | | |

| Design Annotations | | | | |
|-----------------------------|-----------------------------|---|----------------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates +N/-S +E/-W (usft) (usft) | Comment | |
| 6,203.0 | | 5.5 | 5 6203.0' Projected to bit | |

| /: Approved By: | Date | ate: |
|-----------------|------|------|
|-----------------|------|------|

COMPASS 5000.15 Build 90



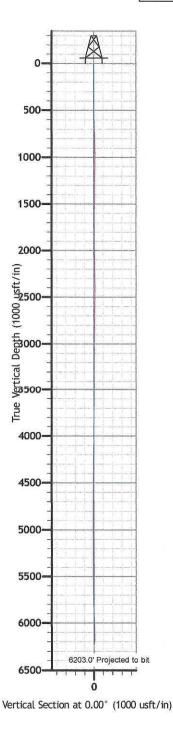
COMPANY: Burnett Oil Company WELL: Jackson A 63 COUNTY: Eddy County, N.M. (NAD 83) DATUM: North American Datum 1983

STREETIONAL

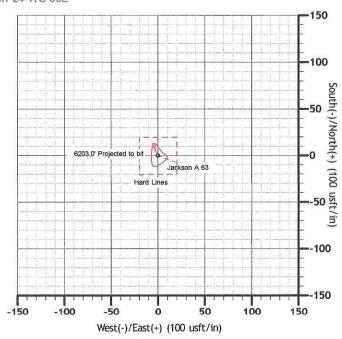
OFFICE: 936.582.7296

RIG: Ensign T436
GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 6.69°
True Correction; To convert a Magnetic Direction to a True Direction, Add 6.91° East

| | | | ne | | 47.0usft | NE: New M 8+19 @ 37 ELEVATION | 372 | GEO | | | | |
|------|--------------------|-----------------|-------|-------------------|----------|-------------------------------------|--------------|---------------|--------------|--------------|-----|--|
| Slot | ngitude 7.588 W | Lo 3° 55' 27 | | Latittu 28.212 | | Easting 666976.40 | hing 0.20 | Nort 66393 | +E/-W 0.0 | +N/-S 0.0 | | |
| | | | | | ONS | LAN SECTI | Р | | | | | |
| 4 | Target | VSect | TFace | Dleg | +E/-W | +N/-S | TVD | Azi | Inc | MD | Sec | |
| | NAME OF TAXABLE | 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | 1 | |
| | | 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 6225.0 | 0.00 | 0.00 | 6225.0 | 2 | |



Section 24-17S-30E





Azimuths to Grid North True North: -0.22° Magnetic North: 6.69°

Magnetic Field Strength: 47951.0nT Dip Angle: 60.44° Date: 02/07/2020 Model: IGRF2020 SHL: 990' FNL; 2310' FEL Section 24B-17S-30E