FORM 3160-4 (August 2007)



* See instructions and spaces for additional data on page 2)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

OCD-AKTESIA

FORM APPROVED OMB NO 1004-0137 Expires: July 31, 2010

CARLSBAD FIELD OFFICE

LEASE DESIGNATION AND SERIAL NO

| WE | LL COMPI | LETION | OR REC | OMPL | ETION | RE | PORT A | ND LO | OG | | | NM | 1NM0749 | 36 | |
|------------------------|---|-----------------|--------------------------|------------|--------------|---------------|-----------------|------------|-------------|--------------------|-------------------|---------------------|---------------------|---------------------|-------------|
| la Type of Wel | ıı X | Oıl Well | Gas We | 1 | Dry | Othe | er | | | | 6 INDI | AN ALLOTT | EE OR TRIBE | E NAME | |
| b Type of Com | pletion | New Well | Workov | er 🔲 | Deepen | Plug | g Back | Diff | Resvr | | | | | | |
| | | Other | | | | | | | | | 7 UNI | Γ AGREEME | NT | | |
| 2. Name of Oper | ator | Other | | | | | | | | | 8 FAR | M OR LEASI | ENAME | | |
| | Energy Cor | porations | 3 | | | | | | | | | Birc | lie Federa | l #9 | |
| 3 Address | | <u> </u> | | | | 3a | Phone No (| include ai | rea code) | | 9 API | WELL NO | | | |
| P.O. Bo | | | | | | | 575 | 5-748-3 | 303 | | | 30 | -015-3615 | 58 | |
| | NM 88211 Vell (Report loca | | nd in accordar | ce with E | ederal ream | remen | | | | | IÙ EIE | LD NAME | | | |
| | | • | | | • | cmem | , | | | İ | 10. 112 | | lls; Glorie | ta-Yeso | |
| At surface | 1030 F1 | NL & 990 | ' FEL, Un | ип (3 | ENE) | AI | UG 27 | 2008 | | | | T, R, M, O | R BLOCK AN | ND SURVEY | |
| At top prod I | nterval reported | below | Same | | | | | | | - | OR ARE | | T 17S PARISH 13. | | |
| At total depth | | Same | | | (| $\mathbb{O}($ | D-AR | iesi. | A | | 12. CC | Eddy | ARISH 13. | NM | |
| 14 Date Spudde | ed 15 | Date T D i | Reached | | 16. Date C | Comple | eted | 8/ | /2/08 | | 17 ELE | | OF, RKB, RT, | | |
| 5/5/0 | 08 | 5 | /17/08 | | |] D & | & A | X | Ready | to Prod | | 3675' | GR | 3689' | KB |
| 18 Total Depth | MD | 5938' | 19 Plug ba | ick T.D. | MD | | 591 | 9' | 20 | Depth Br | ıdge Pluş | Set. MD | | | |
| | TVD | 5938' | | | TVD | | 591 | 9' | | | | TVI |) | | |
| 21 Type Ele | ectnc & other Lo | gs Run (Subm | nt a copy of ea | ch) | | | | | 22 | Was well | cored? | X No | Yes | (Submit analysi | s) |
| | | | DLL, DS | 1 | | | | | | Was DS7 | Γrun ⁹ | X No | Yes | (Submit report) | |
| | | | | | | | | | | Direction | nal Surve | y ⁹ X No | Yes | (Submit copy) | |
| 23 Casing a | and Liner Record | (Report all st | rings set in we | (1) | | | Store Co | | NC | Cl 0. T. | | | | <u> </u> | |
| Hole Size | Size/ Grade | Wt (#/f | t) Top | (MD) | Bottom(N | 1D) | Stage Ce Dep | | | Sks & Ty Cement | Slur | ту Vol. (Bbl) | Cement Top | Amount P | ulled |
| 12 1/4" | 8 5/8" | 24# | 0 | | 421' | | | | 3 | 00 sx | | | 0 | Non | e |
| 7 7/8" | 5 1/2" | 17# | 0 | | 5934 | ' | | | 14 | 80 sx | | | 0 | Non | <u>e</u> |
| 24 Tubing I | 2 | 1 | | | | | | | | | L_ | | - | | |
| 24 Tubing I Size | Depth Set (M | D) Packe | r Depth (MD) | Sı | ze | Depti | Set (MD) | Packer | Depth (N | 1D) | Size | Depth | Set (MD) | Packer Depth (| MD) |
| 2 7/8" | 5750' | | | | | | | | | | | | | | |
| | ng Intervals | | | | | 26 | Perforation | | | | | | ····· | | |
| | Formation Yeso | | Top 4290' | | 91' | | Perforated In | | | Size | - N | o, of Holes | Р | erf Status Open | |
| A) B) | 1 030 | <u> </u> | 4290 | 30 | / | | 4846-51 | | | | _ | 20 | | Open | |
| C) | | | | | | | 4290-45 | | | ····· | | 20 | | Open | |
| D) | | | | | | | ··· | | | | | | | | |
| 27 Açıd,Fra | ecture Treatment, | Cement Sque | eze, Etc | | | | | | | | | | | | |
| | epth Interval | | | - 4- | | | | Amount ar | nd Type o | of Materia | 1 | | | | |
| | 06-5691' | | .cdz w/200 .cdz w/200 | | | | | · | | | | | . <u> </u> | | |
| | 346-5152' 290-4594' | | .cdz w/200 | | | | | | | | | | | | |
| | .,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | Cuz Wizoc | <u> </u> | 3701102 | - 40. | | | | | | | | | |
| | | | | | | | | | | | ······ | | | | |
| | on- Interval A | | | | | | | | | | | | | | |
| Date First Produced | Test Date | Hours Tested | Test Production | Oil Bbl | Gas MCF | | Water Bbl | Oil Grav | - | Gas Gravity | | Production M | lethod | | |
| 8/4/08 | 8/12/08 | 24 | - | 60 | 13 | 5 | 318 | | | O.u. | | | Pumpi | ng | |
| Choke Size | Tbg Press | Csg Pres | s 24 Hr Rate | Oil Bbl | Gas | | Water | Gas. Oil | | Well Sta | itus A | יערטז | רת דו | שם חבר | 7000 |
| | Flwg SI | | - | | MCF | | Bbl | Ratio | | | IA | JUEPI | Producin | PR RE(| JUKL |
| 28a Producti | on- Interval B | .1 | 1 | I, | | | | <u></u> | | <u> </u> | 1 | T | | | 7 |
| Date First | Test Date | Hours | Test | Oil | Gas | | Water | Oil Grav | - | Gas | | Production M | | | T |
| Produced | | Tested | Production | ВЫ | MCF | | Bbl | Сопт АР | ı | Gravity | | / | AUG 24 | 2008 | |
| Choke Size | Tbg Press | Csg Press | s 24 Hr Rate | Oil Bbl | Gas | | Water | Gas Oil | | Well Sta | tus | 17 | Jan - | 7 | |
| | Flwg. SI | | | | MCF | | ВЫ | Ratio | | | 1/ | RIIREALI | UE I VIII | MANAGEM | J ITNIT |
| | | | | | | | | | | , | | 11111111111111 | THE PROPERTY. | DOLLING ALL L. R.O. | i № 431 I |

| | tion- Interv | | | | | | | | | | | |
|----------------------|----------------|-----------|----------------|-----------|--------------------|-------------|--|--------------|-------------------------|-----------------------|-----------------------|-----------------------|
| ate First roduced | Test Date | e | Hours Teste | | Test Production | Oil | Gas MCF | Water Bhl | Oil Gravity Corr API | Gas Gravitv | Production Metho | d |
| hoke Size | Tbg Pres | ss | Csg | Press | 24 Hr Rate | ОіІ ВЫ | Gas MCF | Water Bhl | Gas Oil Ratio | Well Status | <u> </u> | |
| 8c Produc | tion- Interv | al D | <u> </u> | | <u> </u> | | | | | | | |
| ate First roduced | Test Date | e | Hours Teste | | Production | Oil Bhl | Gas MCF | Water Bbl | Oil Gravity Corr API | Gas Gravity | Production Metho | d |
| hoke Size | Tbg Pres | ss | Csg | Press | 24 Hr Rate | Oil Bbl | Gas MCF | Water Bhl | Gas Oil Ratio | Well Status | | |
| 9 Disposition | of Gas (So | old, used | for fue | el, vente | ed, etc) | • | | | | | | |
| 0. Summary o | of Porous Z | ones (inc | lude A | Aguifers | s). | | · · · · · · · · · · · · · · · · · · · | | 31 F | ormation (Log) Mar | kers | |
| Show all in | nportant zo | nes of p | orosity | and co | ontents thereo | | ervals and all dra and shut-in pres | | | . 0 | | |
| Form | ation | Top | | Botto | om | Descr | uptions Contents | s, Etc. | | Nam | e | Top Measured Depth |
| | | | \dashv | | | | | | Rust | ler | | 312' |
| | | | ļ | | | | | | | of Salt | | 570' |
| | | | | | | | | | 1 | om of Salt | | 1018' |
| | | | | | | | | | Yate | s en Rivers | | 1203' 1469' |
| | | | | | | | | | Bow | | | 1852' |
| | | | | | | | | | Que | en | | 2075' |
| | | į | | | | | | | 1 | Andres | | 2768' |
| | | | | | | | | | Glor Yeso | | | 4184' 4258' |
| | | | | | | | | | Tubi | | | 5726' |
| | | | | | | | | | | S | | 3720 |
| 2 Additior | | | | | | | | | | | | тр 5938' |
| | | | | | | | | | | | | |
| | which ite | | | | | ing a chec | k in the appro | <u>-</u> | | ST Report | Directional Su | D. O. |
| | Notice for p | | | | | [| Core Analysis | | | her | Silvetional su | - / |
| 4 I hereby ce | ertify that th | ne forego | ing an | d attach | ned information | on is compl | ete and correct a | s determined | from all avai | lable records (see at | tached instructions)* | |
| Name (plo | ease print) | Storm | ni Da | vis | \ | | | Title | Product | ion Assistant | | |
| | < | v /1 | _ | | | _ | | | | | | |

tstements or representations as to any matter within its jurisdiction

(Continued on page 3)



Permian Drilling Corporation

P. O. Box 726

(505)397-3798

Fax (505)393-2448

Hobbs, New Mexico 88241

MAY 23 2008

INCLINATION REPORT

| | T | ⊏. |
|------|----------|----|
| 1)/2 | ١ı | ┢. |

5/20/2008

WELL NAME AND NUMBER: Birdie Fed #9

LOCATION: OPERATOR:

Eddy Co., NM

MARBOB ENERGY CORP.

DRILLING CONTRACTOR:

PERMIAN DRILLING CORPORATION

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:

| DEGREE | DEPTH | DEGREE | DEPTH | DEGREE | DEPTH |
|--------|-------|---------|-------------|-------------|-------|
| 1:00 | 526 | <u></u> | | | |
| 1.00 | 1082 | | | | |
| 0.75 | 1369 | | | | |
| 1.00 | 2191 | | | | |
| 1.50 | 2696 | | | | |
| 1.50 | 3203 | | | | |
| 0.75 | 3700 | | | | |
| 1.25 | 4246 | | | | |
| 1.25 | 4782 | | | | |
| 1.00 | 5229 | | | | |
| 1.00 | 5730 | | | | |
| 2.75 | 5931 | | | | |

Drilling Contractor:
Permian Drilling Corporation

Sherry Coskrey
Regulatory Clerk

| Subscribed and sworn to before me on this | 20 ⁺ day of <u>///////////////////////////////////</u> |
|---|---|
|---|---|

My Commission Expires:

arejeleBiblacia

FORM 3160-4 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BURFALLOF LAND MANAGEMENT



FORM APPROVED
OMB NO 1004-0137
Expires: July 31, 2010

| | | P | SUREAU O | | | | | • | | 5 L | EASE D | | TION AND SER | |
|------------------------|-------------------------|-----------------|---------------------|----------------|-------------|-------------|-----------------------------|--|---------------------|------------|---------------------|-------------------------|-----------------|-------------------|
| WE | LL COMPI | | | | | | | ND L | OG | | | | NM074930 | |
| ta Type of We | ell X | Oil Well | Gas We | :11 | Dry | Oth | er | | | 6. 11 | NDIAN / | ALLOTT | EE OR TRIBE N | IAME |
| b Type of Cor | | New We | | /er \square | Deepen [| — □ Plus | g Back | Diff | Resvr | | | | | |
| | . (21 | Other | | لسيا | ٠ ــ | <u> </u> | | | | 7 U | NIT AG | REEMEN | NT | • |
| 2 Name of Ope | rator | | | | | | | = | | 8 F | ARM O | R LEASE | NAME | |
| Marbol | Energy Cor | poratio | ons | | | | | | | | | Bird | ie Federal # | 19 |
| 3 Address P.O. Bo | ov 227 | | | | | 3a | Phone No (| include ai | rea code) | 9 A | PI WEL | L NO. | | |
| | , NM 88211 | -0227 | | | | | 57: | 5-748-3 | 303 | | | 30- | -015-36158 | |
| | Well (Report local | | y and in accorda | nce with Fe | ederal requ | iremen | 15)* | | | 10 | FIELD N | IAME | | |
| At surface | 1650' FN | NL & 99 | 90' FEL, Un | it H (S | ENE) | | AUG 2 | 2 1 20 | na | 11 | | | ls; Glorieta | |
| At top prod | Interval reported b | elow | Same | • | | , | | | | | REA | 17 | | 30E |
| At total depth | | Same | | | | (| OCD- | | AIG | 12. | | ty or p I ddy | ARISH 13 S | TATE NM |
| 14 Date Spude | | | D Reached | | 16. Date | Compl | eted | 8/ | 2/08 | 17 | | | OF, RKB, RT, GI | |
| 5/5/ | l l | | 5/17/08 | | Γ | ¬ ` | & A | | Ready to Pro | | 36 | | | 36 89 ′ кв |
| 18 Total Depth | MD MD | 5938' | 19 Plug b | ack T.D | MD | | 591 | 9' | 20 Dept | h Bridge | | | | |
| | TVD | 5938' | | | TVD | | 591 | 9' | | | | TVD |) | |
| 21 Type E | lectric & other Log | gs Run (Su | bmit a copy of ea | ach) | | | | | 22 Was | well core | d? [| X No | Yes (S | ubmit analysis) |
| | | | DLL, DS | N | | | | | Was | DST run? | ' [| X No | Yes (S | ubmit report) |
| | | | | | | | | | Dire | ctional Su | rvey ⁷ [| X No | Yes (S | ubmit copy) |
| 23 Casing | and Liner Record | (Report ali | l strings set in we | ·II) | | | Stage Co | | No of Cha | 0. T.m. I | | | | 1 |
| Hole Size | Size/ Grade | Wt. (| #/ft) Top | (MD) | Bottom(| MD) | Stage Ce Dep | | No. of Sks. of Ceme | | Slurry V | ol (Bbl) | Cement Top* | Amount Pulled |
| 12 1/4" | 8 5/8" | 24 | 1# 0 | | 421 | 1 | | | 300 s | x | | | 0 | None |
| 7 7/8" | 5 1/2" | 17 | 7# 0 | | 593 | 4' | | | 1480 | sx | | | 0 | None |
| 24 Tubing | Record | 1 | | | | | L | | | | | | | <u> </u> |
| Size | Depth Set (M | D) Pac | ker Depth (MD) | Sı | ze | Depti | 1 Set (MD) | Packer | Depth (MD) | Sız | e | Depth | Set (MD) P | acker Depth (MD) |
| 2 7/8" | 5750' | | | - | | | | | | | | | | |
| 25. Produc | Ing Intervals Formation | | Тор | Bot | tom | 26 | Perforation Perforated I | | Sı | 7e | No of | Holes | Perf | Status |
| A) | Yeso | | 4290' | _ | 91' | | 5306-56 | | | | 2 | | - | pen |
| B) | | | | | | | 4846-51 | 152' | | | 2 | 0 | | pen |
| C) | | | | | | | 4290-45 | 594' | | | 2 | 0 | 0 | pen |
| D) | | | | | <u> </u> | | | | | | , | | | |
| | acture Treatment, | Cement S | queeze, Etc | | | _ | | . | 177 (2)4- | | | | | |
| | 306-5691' | | Acdz w/200 | n cal N | JEEE 14 | 0/- 0/- | | Amount ar | nd Type of Ma | iterial | | | | |
| | 846-5152' | | Acdz w/200 | | | | | ······································ | | | | | | |
| | 290-4594' | | Acdz w/200 | | | | | | | | | | | |
| | 270 1271 | | | 3 gui . | 0,0110 | | | | | | . | | | |
| | | | | | | | | - | | | | | | |
| | tion- Interval A | T | In . | lou. | To . | | Tai : | 1010 | | | la . | | | |
| Date First Produced | Test Date | Hours Tested | Test Production | Oil Bbl | Gas MCF | | Water Bbl | Oil Grav Corr. AP | | | Prod | luction M | еглоа | |
| 8/4/08 | 8/12/08 | 24 | → | 60 | 1 | 35 | 318 | | | | | | Pumping | 3 |
| Choke Size | Tbg Press Flwg SI | Csg Pi | ress 24 Hr Rate | Oil Bbl | Gas MCF | | Water Bbl | Gas: Oil Ratio | Wei | I Status | | | Producing | |
| 28a. Product | ion- Interval B | | | . t | | | L | <u> </u> | I. | | | | | |
| Date First Produced | Test Date | Hours Tested | Test Production | Oil Bbl | Gas MCF | | Water Bbl | Oil Grav | * 1 | atu | Prod | uction M | ethod | |
| outiced | I | Lesieu | i rounction | I DOL | livier | | 1001 | TOUR VL | , Juray | 11.7 | 1 | | | |

Csg Press 24 Hr. Rate

Oil Bbl

Gas

MCF

Water

вы

Gas Oil

Ratio

Well Status

Tbg Press

Flwg

SI

Choke Size

^{*} See instructionsand spaces for additional data on page 2)

| 201 D. L. | 1. 10 | | | | | | | | | | | |
|------------------------|--|-------------|------------|--------------------|----------------|-----------------|--------------|---------|--|---------------------------|--------------------------|---|
| 28b. Product | Test Date | Hou | rs | Test | Oil | Gas | Water | | Oil Gravity | Gas | Production Metho | od |
| Produced | | Test | | Production | Вы | MCF | Bhl | | Corr API | Gravity | | |
| Choke Size | Tbg Press Flwg SI | Csg | Press | 24 Hr. Rate | Оп Вы | Gas MCF | Water Bhl | | Gas Oil Ratio | Well Status | | |
| 28c Product | ion- Interval D | | | <u></u> | | | | | | | | |
| Date First Produced | Test Date | Hou Test | | Test Production | Oil Bhl | Gas MCF | Water Bbl | | Oil Gravity Corr API | Gas Gravity | Production Metho | od |
| Choke Size | Tbg. Press Flwg S1 | Csg | Press | 24 Hr Rate | Oil Bbl | Gas MCF | Water Bhl | - 1 | Gas Oil Ratio | Well Status | | |
| 29. Disposition | of Gas (Sold, u. | sed for fi | uel, vente | ed, etc) | | | <u> </u> | 1 | | | | |
| | f Porous Zones portant zones o pth interval test | f porosit | ry and co | ntents thereo | | | | sts, | 31 Forma | tion (Log) Marke | rs | |
| Forma | tion | Гор | Botto | m | Descr | iptions Content | ts, Etc. | | | Name | | Top Measured Depth |
| 32 Addition | al remarks (in | clude p | lugging | , procedure |). | | | | Rustler Top of Bottom Yates Seven F Bowers Queen San An Glorieta Yeso Tubb | of Salt Rivers dres | | Measured Depth 312' 570' 1018' 1203' 1469' 1852' 2075' 2768' 4184' 4258' 5726' |
| | vhich items h | | | | ing a chec | k in the appro | • | xes | ☐ DST R | eport | Directional Su | rvey |
| Sundry 1 | Notice for pluggin | g and cer | ment verif | ication | | Core Analysi | 15 | | X Other | | | |
| 34 I hereby cer | tify that the for | egoing a | nd attach | ed information | on is comple | ete and correct | as determin | ed fr | om all available | records (see attac | ched instructions)* | |
| Name (plea | se print) Sto | rmi D | avis | 1 | | | Tu | • | Production | Assistant | | |
| Signature | SP | 20 | — | La | ris | | Da | ate . | 8/19/08 | · | | |
| Title 18 U S C Sec | etion 1001 and Ti | | | | it a crime for | any person know | vingly and w | ıllfull | y to make to any | lepartment or agenc | y of the United States a | any false, fictitious or fraudulent |

(Continued on page 3) (Form 3160-4, page 2)



Permian Drilling Corporation

P. O. Box 726

(505)397-3798

Fax (505)393-2448

Hobbs, New Mexico 88241

INCLINATION REPORT

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|---|---|---|------------|--|
| u | м | ı | ㄷ. | |

5/20/2008

WELL NAME AND NUMBER: Birdie Fed #9

LOCATION:

Eddy Co., NM

MAY 2 3 2008

OPERATOR:

MARBOB ENERGY CORP.

DRILLING CONTRACTOR:

PERMIAN DRILLING CORPORATION

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:

| DEGREE | DEPTH | DEGREE | DEPTH | DEGREE | DEPTH |
|---------------------|---------------------|--------|----------|---|-------|
| 1.00 | <u> </u> | | <u> </u> | | |
| 0.75 | 1369 | | | | |
| 1.00 | 2191 | * | | *************************************** | |
| 1.50 | 2696 | | | | |
| <u>1.50</u> 0.75 | <u>3203</u> 3700 | | | | |
| 1.25 | 4246 | | , | **** | |
| 1.25 | 4782 | | | | |
| 1.00 | 5229 | | | | |
| 1.00 | 5730 | | | | |
| 2.75 | <u>5931</u> | | | | |

Drilling Contractor: Permian Drilling Corporation

> Sherr Coskrey Regulatory Clerk