Form 3160-4

UNITED STATES

FORM APPROVED

| (August 1999) | | | DEPAR BUREA | | | THE IN | | | | | | | | | 004-0137 nber 30, 2000 |
|------------------------------------|---|-----------------|------------------------|--------------------|--------|----------------|--------------|-----------------------|--------------------------------------|----------------|-----------------------------------|--|----------------------|-------------------|---|
| | WELL (| COMPL | | | | | | | AND LO | G | | | ase Serial MNM981 | | |
| la. Type of | f Well 🛭 | Oil Well | ☐ Gas ` | Well | | ry 🗆 | Other | | | | | 6. If | Indian, Al | lottee or | r Tribe Name |
| b. Type o | b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr. Other | | | | | | | esvr. | 7. Uı | nit or CA | Agreem | ent Name and No. | | | |
| 2. Name of CHEVE | f Operator RON USA IN | IC. | | | | | | T CHASE errys@ma | ackenergyo | corp.com | | | ase Name KELLY U | | |
| 3. Address | P.O. BOX ARTESIA | | 11-0960 | | | | | Phone No : 505.748 | o. (include a | rea code) | | 9. Al | PI Well No | o. | 30-015-32595 |
| 4. Location | of Well (Re | | | nd in acc | cordan | ce with Fe | | | | | | | ield and P | | Exploratory |
| At surfa | ice NWNV | V 330FNL | 865FWL | | | | | | | | | 11. S | ec., T., R. | , M., or | Block and Survey |
| At top p | orod interval | eported be | low | | | | | | | | | | Area Se | | 17S R31E Mer NMP |
| At total | | | 15 | | | | | | | _ | | Е | DDY [*] | | NM |
| 14. Date S ₁ 03/18/2 | pudded 2003 | | | ate T.D /31/200 | | hed | | □ D& | Completed A ⊠ Re 1/2003 | eady to Pi | od. | 17. E | levations 37 | (DF, KI '37 GL | B, RT, GL)* |
| 18. Total D | Depth: | MD TVD | 5265 | | 19. | Plug Back | T.D.: | MD TVD | 5219 |) | 20. Dep | th Bri | ige Plug S | | MD TVD |
| 21. Type E GR, N, | lectric & Oth D, L, SGR | er Mechar | nical Logs R | un (Sub | mit co | py of eacl | 1) | | 2 | | ell corec ST run? ional Sur | i? rvey? | X No X No □ No | Yes | s (Submit analysis) s (Submit analysis) s (Submit analysis) |
| 23. Casing a | nd Liner Reco | ord (Repor | rt all strings | r · | | | la. | | T >> 00 | | | | | | |
| Hole Size | Size/G | rade | Wt. (#/ft.) | To (M | | Bottom (MD) | 1 ~ | Cementer Depth | No. of S Type of (| | Slurry (BB | I ('ement lon* I Amon | | | Amount Pulled |
| 17.500 | | 375 J-55 | 48.0 | | | | 34 | | | 450 | | | | | |
| 12.250 7.875 | | 325 J-55 | 24.0 17.0 | - | - | 16: 52: | | | | 800 | | - | 0 | | |
| 7.013 | 5.3 | 500 J-55 | 17.0 | | | 52. | 24 | | | 1380 | | | | | 0 |
| | | | | | | | | | | | | | | | |
| 24. Tubing | Record | | | <u> </u> | | <u></u> | | | | | L | | | | <u> </u> |
| Size | Depth Set (M | (D) Pa | cker Depth | (MD) | Siz | ze De | pth Set (| MD) P | acker Depth | 1 (MD) | Size | De | pth Set (M | (D) | Packer Depth (MD) |
| 2.875 | ing Intervals | 5059 | | | l | | 6 Perfor | ration Reco | ord. | l | | <u> </u> | | | |
| | ormation | 1 | Тор | 1 | Bot | ttom | | Perforated | | | Size | | lo. Holes | T | Perf. Status |
| | FREN PADE | оск | | 4790 | | 5045 | | remonance | 4790 TO | 5045 | Size | Ť | | OPE | |
| B) | | | | | | | | | | | | | | | - ACE |
| <u>C)</u> D) | | | | | | | | | | | | + | | + | 2128293037 |
| | racture, Treat | ment, Cen | nent Squeeze | e, Etc. | | | | | | | | - | | /1 | |
| | Depth Interv | | | | | | | A | mount and I | Type of M | aterial | | | / Ñ | 2003 |
| | | | 45 2500 G 50 2850 G | | | | | | | | | | | 324 | ALD CARD IN |
| | | | | | | | GALS 40 | # GEL, 50 | 00 GALS 159 | % ACID | | | ***** | 12 | KECK! KITES. |
| 20 5 | | | | | | | | | | | | | | 15 | 4 |
| Date First | tion - Interval | Hours | Test | Oil | Т, | Gas | Water | Oil G | ravity | Gas | 1 | Producti | on Method | | <u> </u> |
| Produced 04/16/2003 | Date 04/22/2003 | Tested 24 | Production | BBL 66. | 1 | MCF 57.0 | BBL 469 | Corr. | | Gravity | | Production Method ELECTRIC PUMPING UNIT | | | |
| Choke | Tbg. Press. | Csg. | 24 Hr. | Oil | - 1 | Gas | Water | Gas:C | Dil | Well St | atus | | ELECT | NO FU | WI AND DINIT |
| Size | Flwg. 0 | Press. 32.0 | Rate | BBL 66 | | MCF 57 | BBL 469 | Ratio | 864 | P | ow | | | | |
| 28a. Produc | ction - Interva | | <u></u> - | | | · | | | | | | | | | |
| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | | Gas MCF | Water BBL | Oil G | | Gas Gravity | | Producti | on Method | | |
| Choke Size | Tbg. Press. Flwg. | Csg. Press. | 24 Hr. Rate | Oil BBL | | Gas MCF | Water BBL | Gas:C Ratio | | Well St | atus | | | | |

| | duction - Interv | | | | | 1 | 1 | - 1- | | In 1 2 24 1 1 | | |
|---|-----------------------------|--|--|--|----------------------------|------------------------------|---|--------------------|----------------|---------------------------------------|-------------------|--------------------------------------|
| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravit | ty | Production Method | | |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well S | Status | | | |
| 28c. Proc | duction - Interv | al D | | <u> </u> | ! | | | | | | | |
| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravit | ty | Production Method | | |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well S | Status | | | |
| 29. Dispo | osition of Gas(| Sold, used | for fuel, vent | ed, etc.) | | | | | | | | |
| | mary of Porous | Zones (Ir | nclude Aquife | rs): | | | | ···· | 31. For | mation (Log) M | arkers | |
| Show tests, | v all important | zones of p | orosity and co | ontents there | eof: Cored i tool open, | ntervals and flowing and | all drill-stem I shut-in pressure | S | | , • | | |
| Formation To | | | Тор | Bottom | | Descriptions, Contents, etc. | | | | Name Mea | | |
| | ADDOCK | | 4790 | 5045 | | | | | SE QU SA | TES VEN RIVERS JEEN IN ANDRES ORIETTA | | 1542 1862 2464 3147 4702 |
| 04/0 04/0 04/1 04/1 flush | 1/2003 Read w/90 barrels | out DV To zed w/25 rated from idized w/ fresh wa | ool, perforate 00 gals 15% m 4790-4950 32,000 gals iter. | ed from 498 NEFE. 0' 43 holes, 20% HCL, | acidized p 54,000 gal | perfs w/285 ls 40# gel, ! | 0 gals 15% NEF 5000 gals 15% / /2x2x16' pump. | FE. acid and | | | | |
| | le enclosed atta | | | | | | _ | | | | | |
| Electrical/Mechanical Logs (1 full set req'd.) Sundry Notice for plugging and cement verification Core Anal | | | | | | - | 3. DST Report 4. Directional Survey | | | | | |
| 5. Si | unary Notice f | or pluggin | g and cement | verification | | 6. Core An | atysis | 7 | Other: | | | |
| 34. I her | eby certify tha | the foreg | _ | ronic Subm | ission #21 | 132 Verified | rrect as determined by the BLM WNC., sent to the | ell Inform | | • | ached instruction | ons): |
| Nam | e (please print) | JERRY | SHERRELL | | | WH4 | Title P | RODUCT | ION CL | ERK | | · |
| C: | ature | /Electron | nic Submissi | | | | 5.0 | 5/27/ <u>20</u> 03 | | | | |



Artesia Fishing Tool Co., Inc.

Oil Well Drilling Contractors 505/746-6651

PO Box 1370 Artesia, NM 88211-1370 746-3518 fax 748-2205

April 4, 2003

Mack Energy Corporation PO Drawer 960 Artesia, NM 88211-0960

RE:

Skelley Unit #936

330' FNL & 865' FWL Sec. 21, T17S, R31E **Eddy County, New Mexico**

Gentlemen:

The following is a Deviation Survey for the above captioned well.

| DEPTH | DEVIATION | DEPTH | DEVIATION |
|-------|-----------|-------|------------|
| 369' | 1 3/4° | 2889' | 1 1/2° |
| 483' | 2 3/4° | 3040' | 1 1/2° |
| 740' | 1 3/4° | 3131' | 2 ° |
| 833' | 1 3/4° | 3569' | 2 1/2° |
| 926' | 1 1/4° | 3914' | 2 1/2° |
| 1020' | 3/4° | 4218' | 2 3/4° |
| 1625' | 3/4° | 4471' | 2 1/2° |
| 1982' | 3/4° | 4823' | 2 1/2° |
| 2386' | 1° | 5265' | 2 1/2° |

Very truly yours,

Eddie C. LaRue Vice President

STATE OF NEW MEXICO **COUNTY OF EDDY**

The foregoing was acknowledged before me this 4th day of April, 2003.

Notary Public

