| Form 3160-4 (August 2007) | ** | | DEPARTI BUREAU | JNITED STAT MENT OF TH OF LAND MA | TES E INTER NAGEME | PERA | ATOR | 'S COP | ¥ | | FORM. OMB No Expires: | D. 1004- | - ^د لت ا | 52 | ご | |
|---|-------------------------|-----------------|-------------------|---|--------------------------|-------------|-------------|----------------------------|--|--------------|---|-------------------|-----------------------|------------|---------|--|
| | WELL | COMPLE | ETION OR | | | | RT AN | D LOG | | 5. Leas | e Serial No | , , , | | • | | |
| ta. Type of Well | X on | Well | Gas Well | Dry | Other | | | | | | NM- | 1038 | 79 → | 7 | | |
| b, Type of Comple | tion: X | New Well | Wark Over | Deepen | Plug Bac | :k | | Diff. Resvr , | | 6. If Indi | an, Aliottee c | r Tribe N | Name (| ā. | | E |
| | Ot | her: | | | <u>,</u> | | _ | | | | | NA | · · | | \circ | |
| 2. Name of Oper | ator | | | | | | | | | 7, Unit e | or CA Agreen | nent Nar | me and No. | Ĭ, | 0 | |
| Yates Petro | oleum Cor | poration | | | | | | | | | | 1249 | 50 | Ų. | ಯ | |
| 3. Address 105 S. 4th | Str Artes | ia NM 88 | | 3a. Phone No. 575-748-1 | | a code) | | | | | e Name and ' Ilehra RI | | deral #1H | \bigcirc | 1 | COLUMN TO SERVICE STATE OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PER |
| 4, Location of W | | | | | | ents)* | | | | | Vell No. | V 1 CC | acidi ii ii i | | | A PROPERTY OF THE PERTY OF THE |
| At Surface | | 660'FNL | ∟& 330'FWI | _ (Unit D, N | WNW) | 2-2 | 35-2 | 90 | | | 30-01 d and Pool or WHITCAL T.R.M., or | Explora ; Dela | aware I P | RAL | KIRA | NO CZ |
| At top prod. In | terval reporte | d below | | | | | | | | Sun | ey or Area | | | 77- | | |
| BHL ` | | 783'FN | L & 7356'FV | VL (Unit 2, 1 | NENW) | -23 | 5-2 | 9e | | Se | | 23S-F | R29E Surf R29E BHL | - | o | Z |
| | | | | т | | | | | | E | ddy | Ne | w Mexico | - | | |
| 14. Date Spudd | | | 5. Date T.D:Res | T I | 16, Date Co | 1 ' | | 7/21/1 | | 17. Ele | vations (DF,R | KB,RT,0 | GL)* | | | |
| RH 2/28/ | 10 RT 3/2 | | 4/19/ | 1 | | D&A | | Ready to Pro | | | | 44'GI | L | - | | |
| 18. Total Depth: | | 12,805' | 19 | Plug Back T.D.: | | | 5 20. Dep | th Bridge Plu | ug Set: | MD | NA | | | | | |
| | TVD | NA | | | TVD | NA | | | | TVD | NA | | ··· | - | | |
| 21, Type Electric 8 | Other Mechan | ical Logs Run i | (Submit copy of e | ach) | 22 Was W | ell cored | _ | | 1 | (Submit a | | | | | | |
| CBL | | | | | Was D | | X | | | (Submit re | | | | | | |
| *************************************** | | | | | Direction | nal Survey? | | No. LX | Yes | (Submit co | эру) | (Attach | ed) | - | | |
| 23. Casing and I | iner Record | (Report all st | trings set in wel | 1) | l Stat | e Cemen | ter N | o, of Sks & | I SI | urry Vol. | 1 | | | - | | |
| Hole Size | Size/Grade | Wt.(#/ft.) | Top (MD) | Bottm(MD) | 1 | Depth | | e of Cement | 1 | (BBL) | Cement * | Гор* | Amount Pulled | | | |
| 17-1/2" | 20" | Cond. 48# | 0 | 90' 270' | | | | Redi-mix 90sx "C" | ļ | | 0 | | | - | | |
| 12-1/4" | 13-3/8" 9-5/8" | 36# | 1 8 | 2659' | | | | 40 sx "C" | | | 1 8 | | | - | | |
| 8-3/4" | 5-1/2" | 17# | 0 | 12,805 | | | 1 | 330sx PVL Isx Litecrete | | | 2150 |)' | | - | | |
| 24. Tubing Reco | | L | | | | | | | 1 | | J | | | <u>*</u> | | |
| Size | Depth S | et (MD) | Packer Depth (N | (D) Size | Depth | Set (MD) | Packer | Depth (MD) | Siz | e Depti | Set (MD) | Pack | er Depth (MD) | - | | |
| 2-7/8* | 5275' | | | | | | | | | | | | | - | | |
| 25 . Producing I | | | | | | | | oration Reco | 7 | | | | | - | | |
| A) Delawar | ormation | | Тор 6466' | _ | 12,745' | | Perforate | ed Interval | Siz | ze No | , Holes | Р | erf. Status | - | | |
| <u>A)</u> <u>Bolavia</u> | | | | | 12,7.10 | | | | SEE A | ATTACH | ED SHEE | T | | - | | |
| D) | | | | | | | | | | | | | | _ | | |
| 27. Acid, Fractu | | t, Cement Sq | queeze, Etc. | | | | | ype of Mater | AC | rente | n ene |) DE | -0000 | - | | |
| De | pth Interval | | | | | All | iount and 1 | ype or mater | 1940 | YEFIE | UTUP | -KE | PAKNI- | - | | |
| | | | | SE | E ATTAC | HED S | HEET | | | | | | | - | | |
| | | | | | | | | | | SEP | | 1010 | | _ | | |
| 28. Production - | Interval A | | | | | | | | | Is/R | oger | | | - | | |
| Date First | Test Date | Hours | Test | Oil | Gas | Water | Oil Grav | | п | DREAU OF | Method | MAGE | -115 | - | | |
| Produced 7/22/10 | 9/10/10 | Tested 24 | Production | BBL 270 | MCF 244 | BBL 1737 | Corr, AF | 1 3 | ity C | CARLSE | AD FALL | JOEEN LOEEN | CE | | | |
| Choke | -8/12/10 €bg. Press. | | 24 Hr. | Oil | Gas | Water | Gas/Oil | | Status | | - PUHH | pirig | | - | | |
| Size | Flwg. | Press. | Rate | вы | MCF | BBL | Ratio | | | | | | | | | |
| NA | 200psi | 100psi | <u></u> → | 270 | 244 | 1737 | N/ | 4 | | F | roducing | 1 | | _ | | |
| 28a. Production Date First | Test Date | Hours | Test | Oil | Gas | Water | Oil Grav | ity Gas | Ţ | Production I | Method | | | - | | |
| Produced | | Tested | Production | BBL | MCF | BBL | Corr. AP | | rity | | | | | | | |
| Choke | Tbg. Press. | Csg. | 24 Hr. | Oil | Gas | Water | Gas/Oil | NA/ mil | Status | | | | | - | | |
| Size | Flwg. | Press. | Rate | BBL | MCF | BBL | Ratio | VV e.ii | . J. (US | | | | | | | |
| (See instruction | ns and space | s for addition | al data on page | 2) | | 1 | <u> </u> | | | | | | | • | | |
| (U) Sout | 10 10 | lithers | 9/24/1 | o POL | | | | | | | | | | | | |

FE

COH

| ate First roduced | - Interval C | <u> </u> | T= | Io: | 10 | lar i | 010 | 10 | D 1 5 11 0 1 | |
|---|---------------------------------------|-------------------------|--------------------------------------|---|--------------------------|---------------------------------------|--------------------------|--------------------------------|-------------------------------------|--------------------------------|
| | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method | |
| Choke | Tbg. Press. | Csg. | 24 Hr. | Oil | Gas | Water | Gas/Oil | Well State | l is | |
| Size | Flwg. | Press. | Rate | BBL | MCF | BBL | Ratio | | | |
| | 1 | | → | | | | | | | |
| 8c. Production | | | | | | , | | | | |
| Date First | Test Date | Hours | Test | Oil | Gas | Water | Oil Gravity | Gas | Production Method | |
| roduced | | Tested | Production | BBL | MCF | BBL | Corr, API | Gravity | | |
| Choke | Tbg, Press. | Csg. | 24 Hr. | Oil | Gas | Water | Gas/Oil | Well State | ıs | |
| ize | Flwg. | Press. | Rate - | BBL | MCF | BBL | Ratio | | | |
| 9. Disposition | of Gas (Sold, | used for fuel | | | | | | | | |
| Sold | | | , | | • | | | | | |
| 30. Summary o | f Paraus Zone | e /Include A | wifers); | | | | | 31 Forms | ition (Log) Markers | |
| | | | nd contents there ed, time tool op | | | | | | | T |
| | Formation | | Тор | Bottom | Desc | cription, Co | ontents, etc. | 1 | Name | Top Meas, Depth |
| Rustler | | | 130' | 275' | | | | Rustier | | 130' |
| TOS | | 1 | 276' | 2527' | | | | TOS | | 276' |
| BOS | | | 2528' | 2809' | | | | BOS | | 2528' |
| Bell Canyor | 2 | 1 | 2810' | 3679 | | | | 1 | nvon | 2810' |
| • | | | | | | | | Bell Ca | • | l |
| Cherry Can | | i | 3680' | 5029' | | | | 1 ' | Canyon | 3680' |
| Brushy Car | - | | 5030' | 6355' | | | | · · | Canyon | 5030' |
| Bone Sprin | g | | 6356' | 12,805' | | | | Bone S | pring | 6356' |
| REFE | R TO LO | ∍s | | | | | | | | |
| | | | | .] | | | | | | |
| | | | | | | | | | | |
| | · · · · · · · · · · · · · · · · · · · | | | 1 | | | | | | <u> </u> |
| 32. Additional r | ernarks (inclu | de plugging p | procedure): | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
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| | | | | | | | | | | |
| | | | | | | | | | | |
| 33. Indicate wi | hich items hav | e been attac | hed by placing a | check in the ap | propriate I | boxes; | | | | |
| 33, Indicate wi | F273 | | hed by placing a Logs (1 full set | r | | boxes: gic Report | рѕт | Report X | Directional Survey | |
| 33. Indicate wi | XElectrica | I/Mechanical | Logs (1 full set | req'd.) | Geolo | gic Report | , | M-1 | | |
| 33. Indicate wi | XElectrica | I/Mechanical | | req'd.) | Geolo | | <u></u> | Report X | | |
| | X Electrica | l/Mechanical | Logs (1 full set | req'd.) | Geolo Core | gic Report Analysis | X Othe | r: Deviation | | ructions)* |
| 34. I hereby ce | Sundry N | l/Mechanical | Logs (1 full set | req'd.) | Geolo Core A | gic Report Analysis | X Othe | r: Deviation | Survey cords (see attached insti | , |
| | Sundry N | l/Mechanical | Logs (1 full set | req'd.) | Geolo Core A | gic Report Analysis | X Othe | r: Deviation | Survey cords (see attached insti | , |
| 34. I hereby ce Name(please p | Sundry N | l/Mechanical | Logs (1 full set | req'd.) | Geolo Core A | gic Report Analysis | X Othe | er: Deviation available rec | Survey ords (see attached instr | oliance Supervisor |
| 34. I hereby ce | Sundry N | l/Mechanical | Logs (1 full set | req'd.) | Geolo Core A | gic Report Analysis | X Othe | er: Deviation | Survey ords (see attached instr | , |
| 34. I hereby ce Name(<i>please p</i> Signature | Sundry N | I/Mechanical | Logs (1 full set | req'd.) Int verification Introduction is complete Tina Huerl | Geolo Core A e and corro | gic Report Analysis ect as dete | X Othe | available rec | Survey ords (see attached instr | oliance Supervisor 17, 2010 |

Yates Petroleum Corporation Culebra BLV Federal #1H Section 7-T23S-R29E - Surface Eddy County, New Mexico Page 3

Form 3160-4 continued:

| 26. Perforation | Record | | | 26. Perforation Record | | | | | |
|-----------------|--------|-------|-----------|------------------------|------|-------|-----------|--|--|
| Perforated | | No. | Perf. | Perforated | | No. | Perf. | | |
| Interval | Size | Holes | Status | Interval | Size | Holes | Status | | |
| 12,745' | | 12 | Producing | 9525' | | 12 | Producing | | |
| 12,584' | | 12 | Producing | 9364' | ŀ | 12 | Producing | | |
| 12,423' | | 12 | Producing | 9203' | | 12 | Producing | | |
| 12,262' | | 12 | Producing | 9042' | | 12 | Producing | | |
| 12,101' | | 12 | Producing | 8881' | | 12 | Producing | | |
| 11,940' | | 12 | Producing | 8720' | | 12 | Producing | | |
| 11,779' | | 12 | Producing | 8559' | | 12 | Producing | | |
| 11,618' | | 12 | Producing | 8398' | | 12 | Producing | | |
| 11,457' | 1 | 12 | Producing | 8237' | | 12 | Producing | | |
| 11,296' | | 12 | Producing | 8076' | | 12 | Producing | | |
| 11,135' | Ì | 12 | Producing | 7915' | | 12 | Producing | | |
| 10,974' | | 12 | Producing | 7754' | | 12 | Producing | | |
| 10,813' | ĺ | 12 | Producing | 7593' | | 12 | Producing | | |
| 10,652' | | 12 | Producing | 7412' | | 12 | Producing | | |
| 10,491' | | 12 | Producing | 7271' | | 12 | Producing | | |
| 10,330' | l | 12 | Producing | 7110' | | 12 | Producing | | |
| 10,169' | | 12 | Producing | 6949' | | 12 | Producing | | |
| 10,008' | 1 | 12 | Producing | 6788' | | 12 | Producing | | |
| 9847' | | 12 | Producing | 6627' | | 12 | Producing | | |
| 9686' | | 12 | Producing | 6466' | | 12 | Producing | | |

| Depth Interval | Amount and Type of Material |
|-----------------|---|
| 12,262'-12,745' | Frac w/174,000g YF130ST, 185,450# 20/40 Jordan, 78,388# 20/40 Super C |
| 11,618'-12,101' | Frac w/174,000g YF130ST, 179,106# 20/40 Jordan, 83,219# 20/40 Super C |
| 10,974'-11,457' | Frac w/172,000g YF130ST, 197,000# 20/40 Jordan, 78,000# 20/40 Super C |
| 10,813' | Spotted 2500g acid |
| 10,330'-10,813' | Frac w/168,000g YF130ST, 275,000# 20/40 |
| 9686'-10,169' | Frac w/162,750g YF130ST, 193,104# 20/40 Jordan, 84,083# 20/40 Super C |
| 9042'-9525' | Frac w/161,700g YF130ST, 194,350# 20/40 Jordan, 82,454# 20/40 Super C |
| 8398'-8881' | Frac w/154,338g YF130ST, 192,630# 20/40 Jordan, 85,841# 20/40 Super C |
| 7754'-8237' | Frac w/157,559g YF130ST, 185,456# 20/40 Jordan, 72,102# 20/40 Super C |
| 7110'-7593' | Frac w/160,376g YF130ST, 194,520# 20/40 Jordan, 84,097# 20/40 Super C |
| 6466'-6949' | Frac w/160,000g YF130ST, 203,320# 20/40 Jordan, 86,519# 20/40 Super C |

Regulatory Compliance Supervisor August 17, 2010