Form 3160-4 (August 1999)

ED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0137 Expires: November 30, 2000

| | WELL C | OMPL | ETION O | R REC | OMPL | ETIO | N REF | PORT | AND L | .OG | | | ase Serial N MSF07796 | | | |
|------------------------|---------------------------|----------------------|----------------|-----------------------|--------------|----------------|----------------|---------------------------------------|---|-----------------|----------------------------|-------------|--------------------------|----------------|----------------------------------|----------|
| la. Type of | Well _ | Oil Well | ⊠ Gas V | Vell [| Dry | □ Ot | her | | | | | 6. If | Indian, Allo | ottee o | r Tribe Name | |
| b. Type of | Completion | _ | ew Well | □ Work | Over | □ Dee | epen | ⊠ Plug | g Back | □ Diff. | Resvr. | 7. Ui | nit or CA A | greem | ent Name and | No. |
| | ERICA PRO | | N CO | | Cont | | | vacl@t | p.com | | 977 | G | ase Name a CU 137 | ind W | ell No. | |
| 3. Address | P.O. BOX HOUSTON | | 253 | | | | 3a. P Ph: 3 | hone N 281.36 | o. (includ 6.4081 | e area con | le) | (9. A) | PI Well No. | 30-04 | 45-06965-00- | C1 |
| 4. Location | of Well (Rep | | on clearly an | | rdance wi | th Fede | ral requi | rements | | 38 | 004 | 10. I | ield and Po | ol, or | Exploratory TURED CLIF | |
| At surfa | | | 0790FEL 3 | | N Lat, 1 | 08.163 | 64 W L | on 🎨 | | | (i) | 111 8 | Sec., T., R., | M., or | Block and Su | rvey |
| At top p | rod interval r | eported be | elow | | | | | | $\mathcal{G}_{\mathcal{O}_{i}} = \mathcal{G}_{i}$ | | Offer ! | - 3 | | | 28N R13W N | /ler NMF |
| At total | depth | | | | | | | 15 | | | (P) |) 2. S | County or Pa AN JUAN | arish | 13. State NM | |
| 14. Date Sp 08/14/1 | oudded 963 | | | ite T.D. R 23/1963 | | | | □ D & | Complet A 6/2004 | ted Ready to | Prod. | 17. 1 | | DF, K '2 KB | B, RT, GL)* | |
| 18. Total D | epth: | MD TVD | 6100 | Ī | 9. Plug | Back T. | D.: | MD TVD | 591 | 154 | 20. Dep | oth Bri | dge Plug Se | | MD TVD | |
| 21. Type E | lectric & Oth | er Mechan | nical Logs R | un (Subm | it copy of | each) | | | <u> </u> | 22. Wa Wa | s well cored s DST run? | 1? | No No | TYe: | s (Submit anal s (Submit anal | ysis) |
| 23. Casing at | nd Liner Reco | ord (Repo | rt all strings | set in we | 11) | | | | | Dir | s DST run? ectional Su | rvey? | No | ☐ Yes | s (Submit anal | ysis) |
| Hole Size | Size/Gr | <u> </u> | Wt. (#/ft.) | Тор | _ | ttom | Stage C | ementer | No. o | of Sks. & | Slurry | Vol. | Cement 7 | Ton* | Amount P | ullad |
| | | | | (MD) | (1) | MD) | De | pth | Туре | of Cemen | | L) | Cement | | | |
| 12.250 7.875 | <u> </u> | 325 J-55 300 J-55 | 24.0 11.0 | | | 356 6100 | | | 1 | 13 | 50 | | | 0 | | |
| 7.075 | 4.5 | 00 3-55 | 11.0 | | | 0100 | | | | 13 | 30 | | | U | | |
| | † | | | | | | | _ | | | <u> </u> | <u> </u> | | | <u> </u> | |
| | | | | | | | ***** | | | | | | | | | |
| 24. Tubing | Pagord | | | | | | | | | | | | <u> </u> | - | | |
| | Depth Set (M | (D) Pa | cker Depth | (MD) T | Size | Denth | Set (M) | D) I | Packer De | pth (MD) | Size | De | pth Set (M | D) T | Packer Depth | (MD) |
| 2.375 | _ _ | 1421 | | | | · p · · | | - | | p (1.12) | 1 | + | | - | | (1.12) |
| 25. Produci | ng Intervals | | | | | 26. | Perforati | ion Rec | ord | | | | | | | |
| | ormation | .==0 | Тор | 40-0 | Bottom | | Per | rforated | Interval | | Size | | No. Holes | | Perf. Status | |
| A) PIO | CTURED CL | IFFS) | | 1358 | 137 | '' | | | 1358 | TO 1377 | 3.1 | 30 | · | | | |
| C) | | | | | | + | | | | | | | | - | | |
| D) | | | | | | - | | | | | | <u> </u> | | | | |
| | racture, Treat | | nent Squeeze | e, Etc. | | | | | | | | | | | 7 | |
| | Depth Interva | | 77 500 GAI | S 15% H | CL ACID | FOLL O | WED W/ | | | d Type of | | ACA | EDESII. | -NR | RECORD | * |
| | | 30 10 10 | 777 000 07. | -0 1070111 | | TOLLO | | 01,020# | 10/00 DIX | OND I SIND | . 1 1011 00/70 | Med | HELP HAZEN | 011 | 11500110 | |
| | | | | | | | | | | | | | FFR | 1 | 2004 | |
| | | | | | | | | | | | | | | 25 [| -00 1 | |
| Date First | ion - Interval | Hours | Test | Oil | Gas | Lu | /ater | loac | ravity | Gas | | | RMINGTON ion Method | FIEL | D OFFICE | |
| Produced | Date | Tested | Production | BBL | MCF | В | BL | Corr. | | Gra | | | | H | SUB-SURFAC | _ |
| 01/26/2004 Choke | 01/22/2004 Tbg. Press. | Csg. | 24 Hr. | 1.0 Oil | Gas | | 8.0 Vater | Gas:0 |)il | We | 1 Status | <u> </u> | ELECTRIC | PUMP | *SUB-SURFAC | E |
| Size 3/4 | Flwg. | Press. 115.0 | Rate | BBL 24 | MCF 34 | В | BL 192 | Ratio | | | PGW | | | | | |
| | tion - Interva | | | 1 44 | | | 182 | | 144000 | | FGVV | | | | | |
| Date First | Test | Hours | Test | Oil | Gas | | /ater | | ravity | Gas | | Product | ion Method | | | |
| Produced | Date | Tested | Production | BBL | MCF | l _B | BL | Corr. | API | Gra | vity | | | | | |
| Choke Size | Tbg. Press. Flwg. | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | | Vater BL | Gas: C | | We | l Status | <u> </u> | | | | |
| - | SI | 1 | | | 1 | ا | | ************************************* | | | | | | | | |

| 28b. Production - Interval Complete in the production in the produ | Test Date Tested Production BBL MCF BBL Corr. API Gas Gravity Tbg. Press. Csg. Press. BBL MCF BBL Gas Water BBL Gas: Oil Ratio Dduction - Interval D Test Date Tested Production BBL MCF BBL Gas Water BBL Ratio Test Date Tested Production BBL MCF BBL Corr. API Gas Gravity Tog. Press. Csg. 24 Hr. Oil BBL MCF BBL Corr. API Gravity Tbg. Press. Csg. 24 Hr. Oil Gas BBL MCF BBL Corr. API Gravity Tbg. Press. Csg. 24 Hr. Oil Gas Water BBL Gas: Oil Ratio Tog. Press. Csg. 24 Hr. BBL MCF BBL Ratio Tog. Press. Csg. 14 Hr. Oil Gas BBL MCF BBL Ratio Tog. Press. Csg. 15 Hours Gravity Tog. Press. Csg. 16 Hours Press. Rate BBL MCF BBL Ratio Tog. Press. Csg. 16 Hours Gravity Tog. Press. Csg. 17 Hr. Oil Gas Water Gas: Oil Ratio Tog. Press. BBL MCF BBL Gas: Oil Well Status BBL Ratio Tog. Press. BBL MCF BBL Gas: Oil Well Status BBL MCF BBL Ratio Tog. Press. BBL MCF BBL Gas: Oil Well Status BBL MCF BBL Ratio Tog. Press. BBL MCF BBL Gas: Oil McF BBL Ratio Tog. Press. BBL MCF BBL Gas: Oil McF BBL Ratio Tog. Press. BBL MCF BBL Gas: Oil McF BBL Ratio Tog. Press. BBL MCF BBL Gas: Oil Gravity Corr. API Gas Tog. Press. Csg. Press. Csg. Ratio BBL MCF BBL Gas: Oil Gravity Gravity Tog. Press. BBL Gas: Oil Gravity Gravity Tog. Press. BBL Gas: Oil Gravity Gas Tog. Press. BBL Gas: Oil Gravity Gas Tog. Press. Gas: Oil Gravity Gas Tog. Press. Gas: Oil Gravity Gas Tog. Press. Gas: Oil G | Production Method | |
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| Dack The Press Cig. St. Mr. Oil. | Date Tested Production BBL MCF BBL Corr. API Gravity Gravity Tbg. Press. Flwg. Press. Test Date Test Date Test Production BBL MCF BBL Gas Water BBL Gas Gas Gas Gas Gravity Gas Gas Gravity Test Date Test Production BBL MCF BBL Gas Gravity Gas Gravity Gas Gravity Gas Gravity Gas Gravity Tog. Press. Flwg. Press. Flwg. Press. Rate BBL Gas MCF BBL Gas Gravity Gas Gravity Gas Gravity Gas Gravity Gas Gravity Tog. Press. Flwg. Press. Rate BBL MCF BBL Gas Gravity Gas Gravity Gas Gravity Gas Gravity Gas Gravity Tog. Press. Flwg. Press. Rate BBL MCF BBL Gas Gravity Gas Gravity Gas Gravity Gas Gravity Gas Gravity Tog. Press. Flwg. Press. Rate BBL Gas Gravity Gas Gravity Gas Gravity Gas Gravity Gas Gravity Tog. Press. Flwg. Press. Rate BBL Gas Gravity Descriptions, Contents, etc. | Production Method | |
| Size Five Five Frest Face BBL MCF BBL Ratio | Flwg. SI Press. Rate BBL MCF BBL Ratio Deduction - Interval D Test Date Hours Tested Production BBL MCF BBL Corr. API Tog. Press. Csg. 24 Hr. Rate BBL MCF BBL Ratio Tog. Press. Rate BBL MCF BBL Gas: Oil Gravity Corr. API Tog. Press. Csg. 24 Hr. Rate BBL MCF BBL Ratio Prosition of Gas(Sold, used for fuel, vented, etc.) Description of Porous Zones (Include Aquifers): we all important zones of porosity and contents thereof: Cored intervals and all drill-stem s, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures recoveries. Formation Top Bottom Descriptions, Contents, etc. | Production Method | |
| 28c. Production - Interval D Date First Test Bours Frest Test Bours Fredex Date Fredx Da | Deduction - Interval D Test Date | is | |
| Tested Production BBL MCF BBL Corr. API Gravity | Date Tested Production BBL MCF BBL Corr. API Gravity Tbg. Press. Csg. Press. Rate BBL Oil BBL MCF BBL Gas: Oil Ratio Prosition of Gas(Sold, used for fuel, vented, etc.) Immary of Porous Zones (Include Aquifers): we all important zones of porosity and contents thereof: Cored intervals and all drill-stems, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures recoveries. Top Bottom Descriptions, Contents, etc. | is | |
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| Press Pres | position of Gas(Sold, used for fuel, vented, etc.) Inmary of Porous Zones (Include Aquifers): we all important zones of porosity and contents thereof: Cored intervals and all drill-stem s, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures recoveries. Formation Top Bottom Descriptions, Contents, etc. | | |
| 31. Formation (Log) Markers Show all important zones of porosity and contents thereof: Cored intervals and all drill-sterm tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries. Formation Top Bottom Descriptions, Contents, etc. Name NACIMIENTO OJO ALAMO 146 1040 FRUITLAND 146 1040 FRUITLAND 1040 1347 PICTURED CLIFFS LEWIS SHALE MESAVERDE MANCOS CLIFF HOUSE 2867 2914 MENEFEE 2914 3810 Al107 MANCOS 4107 MANCOS 4107 MANCOS 31. Formation (Log) Markers 31. Formation (Log) Markers Show all direction intervals and all drill-sterm tests, including plus pressures and recoveries. Name DAKOTA PICTURED CLIFFS LEWIS SHALE MESAVERDE MANCOS CLIFF HOUSE 2967 2914 MENEFEE 2914 3810 Al107 MANCOS Al107 MANCOS 4107 MANCOS 4107 MANCOS Al107 MANCOS Al208 32. Additional remarks (include plugging procedure): On 9/9/03 BP America requested permission to plug back from the Basin Dakota and recomplete to commingle the Basin Fruitland Coal with the Kutz Pictured Cliffs. Permission was granted 9/26/03. Please see the attached completion report showing well is capable of downhole commingling the FC & PC as of 01/26/2004. | mmary of Porous Zones (Include Aquifers): we all important zones of porosity and contents thereof: Cored intervals and all drill-stem s, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures recoveries. Formation Top Bottom Descriptions, Contents, etc. | 1. Formation (Log) Markers | |
| Show all important zones of porosity and contents thereof: Cored intervals and all drill-sterm tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries. Formation | wall important zones of porosity and contents thereof: Cored intervals and all drill-stem s, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures recoveries. Formation Top Bottom Descriptions, Contents, etc. | 1. Formation (Log) Markers | |
| tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries. Formation Top Bottom Descriptions, Contents, etc. Name NACIMIENTO OJO ALAMO 26 146 KIRTLAND 146 1040 FRUITLAND 1040 1347 PICTURED CLIFFS 1347 1488 CHACRA CLIFF HOUSE 2229 2867 CHACRA ZE14 MENEFEE 2914 3810 POINT LOOKOUT 3810 4107 MANCOS GALLUP 4950 5916 DAKOTA PICTURED CLIFFS LEWIS SHALE MESAVERDE MANCOS CLIFF HOUSE 2914 3810 4107 MANCOS AUTO 4950 GALLUP 4950 5916 DAKOTA 5916 6100 32. Additional remarks (include plugging procedure): On 9/9/03 BP America requested permission to plug back from the Basin Dakota and recomplete to commingle the Basin Fruitland Coal with the Kutz Pictured Cliffs. Permission was granted 9/28/03. Please see the attached completion report showing well is capable of downhole commingling the FC & PC as of 01/26/2004. | s, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures recoveries. Formation Top Bottom Descriptions, Contents, etc. | | |
| NACIMIENTO OJO ALAMO ALA | | | |
| OJO ALAMO (JC) ALAMO (| ENTO 0 26 | Name | Top Meas. Deptl |
| 33. Circle enclosed attachments: | AMO ND 146 11040 1347 NED CLIFFS 1347 1488 NA 2228 2867 HOUSE EE 2914 3810 LOOKOUT 3810 4107 NS 4950 P 4950 S916 NS | PICTURED CLIFFS LEWIS SHALE MESAVERDE | 1347 1490 2227 4110 |
| 33. Circle enclosed attachments: | | | |
| | | | |
| | | • | mal Survey |
| 5. Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other: | Sundry Notice for plugging and cement verification 6. Core Analysis / Oti | ner: | |
| 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached | reby certify that the foregoing and attached information is complete and correct as determined from all av | ailable records (see attached instruction | ions): |
| Electronic Submission #27327 Verified by the BLM Well Information System. For BP AMERICA PRODUCTION CO, sent to the Farmington Committed to AFMSS for processing by MATTHEW HALBERT on 02/04/2004 (04MXH0166SE) | For BP AMERICA PRODUCTION CO. sent to the Farming | gton | |
| Name (please print) CHERRY HLAVA Title AUTHORIZED REPRESENTATIVE | Francis and the same of | | |
| Signature (Electronic Submission) Date 01/29/2004 | | | |
| | me (please print) CHERRY HLAVA Title AUTHORIZED | | |

Plug Back & DHC FC & PC SUBSEQUENT REPORT 01/29/2004

1/2/04 SPOT & LEVEL RIG, RU, LAY 3" LINE TO FLW BACK TNK, TBG 240 PSI. CSG 260 PSI, BH 160 PSI. SD.

1/5/04 TBG 0 PSI, CSG 240 PSI, BH 160 PSI, BLW DN. NDWH, NUBOPS. TIH w/CSG SCRAPER.

1/6/04 CSG 240 PSI, BH 160 PSI. TIH & SET CIBP @5918' over DK LOAD & TST TBG TO 500 PSI. HELD 5 MIN, GOOD TST. LOAD & TST CSG TO 500 PSI, HELD 5 MIN. GOOD TEST. TOH W/TBG & SETTING TOOL. TIH & RUN CBL LOG 3046' TO SURFACE. CALLED CHARLIE PERRIN OCD & WAYNE TOWNSEND BLM & DISCUSSED WHERE THEY WANTED US TO SHOOT HOLE TO SQZ. CHOSE 610' BEING THAT THE OJO & FRUITLAND ARE ABOVE US, RU & SHOT 2 HOLES @ 610'. RD WL, CLOSE BLIND RAMS & PUMPED W/RIG PMP, PUMPED 10 bbls WTR @ 0 PSI, PRES THEN CLIMB TO 1500 PSI. SD PMP & PRESSURE WOULD BLEED OFF AT RATE OF 100 PSI PER MIN. RELEASE PRESSURE. TIH W/TBG TO PUSH WTR OUT OF BOPS. TOH. SECURE WELL.

1/7/04 RU CMT UNIT & PMP INTO FORMATION @2150 PSI AT 1 BPM. PMP 25 bbls. TIH & SET CMT RETAINER @550'. RU & CMT w/250 sxs CLS "G" NEAT @2000 PSI @ B bpm; DENSITY 16.00 ppg; YIELD 1.180 quft/sx. SHUT DN & WASH UP, PMP ON TBG w/5 bbls, PRES WENT TO 2000 PSI & HELD GOOD.

1/8/04 BH 70 PSI. TIH W/TBG & TAG CMT @ OO. RU & DRILL 30 CMT & DRILL ON RETAINER. WHILE DRILLING, PUT GAUGE ON BH & IT BULT UP TO 30 PSI IN 40 MIN. OPEN BACK UP TO PIT, SUSPECT TRAPPED MIGRATING GAS. WILL LEAVE OPEN ALL DAY. CHECK MORE OR LESS PRESSURE IN MORN. TO DETERMINE IF IT IS TRAPPED GAS OR STILL LEAKING.

1/9/04 TIH w/TBG & TAG CMT RETAINER; DRILL ON RETAINER & 60' of CMT, CIRC OUT HOLE. TOH w/TBG & BIT. SDON.

1/10/04 RU & TIH w/WIRELINE. LOG CBL LOG & SHOOT SQZ HOLE @510'. RD. TIH & SET CMT RETAINER @450'. RU CMT TRUCK & LOAD & PRES BACKSIDE TO 500 PSI. PMP 100 SXS CLS "G" CMT w/2% C.C., DENSITY 15.80 ppg; YIELD 1.150 cuft/sx; SQZ HOLE TO 2000 PSI. NO SIGN OF CIRCULATION TO BH WHILE PUMPING, PULL OUT OF RETAINER & REVERSE CIRC HOLE CLEAN. RD CMT CREW. TOH w/TBG. SD FOR WEEKEND.

1/12/04 BH 5 PSI. BLW BH DN. TIH & MILL & TAG CMT RETAINER @450'. MILL RETAINER UP. TIH & DRILL CMT, FELL OUT @511', CIRC HOLE CLEAN. PRES TST CSG TO 500 PSI, HELD 5 MIN. GOOD TEST.

1/13/04 ND WH; CUT OFF OLD CSG HEAD & REPLACE W/NEW, NU BOP.

1/14/04 TIH w/2 3/8" TBG. RU & SPOT CMT PLUG 5900' - 5750', SPOT PLUG 4900' - 5050'; SPOT PLUG 2800' - 2950'. RD CEMENTERS.

1/15/04 RU & RUN CCL LOG. SET PKR TIH w/3.125" GUN & PERF PICTURED CLIFFS 1358' - 1377' & FRUITLAND COAL 1322' - 1346' @ 2 JSPF. SET PKR @1257'.

1/16/04 RIG DN FRAC STACK, RELEASE PKR & TOH. RD FOR WEEKEND

1/19/04 RU & FRAC w/500 gd/s OF 15% HCL ACID, FOLLOWED w/81,625# OF 16/30 BRADY SND. PMP w/70 QUALITY FOAM. AVG PSI OF 2400, 30 BPM. GOOD FRAC. SHUT IN w/1000 PSI ON TBG. RD FRAC DREW. OPEN WELL TO PIT. 70 PSI 1/2 " CHOKE. MAKING HEAVY FOAM & LIGHT SAND. FLW WELL TO PIT ON $\frac{1}{2}$ " CK

1/20/04 OPEN WELL TON 2" LINE. RELEASE PKR & TOH. MAK 10 bbls FLUID PER HR W/MEDIUM SND. SHUT DN OVERNIGHT.

1/22/04 CSG 115 PSI. FLW FOR 1.5 hrs AT 5 ~ 6 PSI ON 2" LINE. APPROX 300 MCF. LOTS OF FOAM. SHUTDN OVERNIGHT.

1/23/04 CSG 0 PSI, BWD TO PIT & FLAIR GAS, BREAK CIRCULATION W/AIR & UNLOAD WTR, LET NATURAL FLW. RECOVERED MOST OF FRAC. FLOWING AT 10 PSI ON 2" LINE (400 MCF) SD

1/26/04 CASING 130 PSI. TIH & LAND 2 3/8" TBG @ 1421'. LOAD & TEST TBG TO 500 PSI, HELD 5 MIN. GOOD TEST. ND BOPS; NU WH. RU WIRELINE & PULL X-PLUG. TIH w/RODS & PMP, SEAT PMP, LONG STROKE PMP TO 300 PSI, GOOD TEST.

1/27/04 RIG RELEASE

WELL IS CURRENTLY CAPABLE OF DHC FRUITLAND COAL AND PICTURED CLIFFS.