Form 3160-4 (October 1990)

1a TYPE OF WELL.

b TYPE OF COMPLETION.

2 NAME OF OPERATOR

At surface

At total depth

NEW WORK

3. ADDRESS AND TELEPHONE NO

At top prod. interval reported below

MAY 2 g(Sce-yither In

Bureau of Land Managen ent Farmington Field Office

5 LEASE DESIGNATION AND SERIAL NO

SF-079049-B 6 IF INDIAN, ALLOTTEE OR TRIBE NAME

7 UNIT AGREEMENT NAME

8 FARM OR LEASE NAME, WELL NO San Juan 28-6 Unit 167P

30-039-30601 10 FIELD AND POOL, OR WILDCAT

SEC , T., R., M , OR BLOCK AND SURVEY

Sec. 4 T27N R6W, NMPM

13 STATE

Basin DK

San Juan 28-6 Unit

9 API WELL NO

OR AREA

12. COUNTY OR

PARISH

| FO | R APPROVED |
|---------|-------------------|
| OMB | NO. 1004-0137 |
| Expires | December 31, 1991 |

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

BURLINGTON RESOURCES OIL & GAS COMPANY

PO BOX 4289, Farmington, NM 87499 (505) 326-9700

Unit P (SESE) 370' FSL, 1145' FEL

Same as above

4 LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

Same as above

14. PERMIT NO.

| | | | | | | | | | | | | | New Mexico |
|------------------------|---|-----------|-----------------------------|--------------------|------------|------------|----------|-----------------------|--------------|---------------------------------------|----------|----------------|--|
| 15 DATE SPUD | DED 16. | DATE . | T D REACHED | 17 DATE | COMPL | (Ready t | o prod) | | 18 EL | EVATIONS (DF, F | RKB, RT, | BR, ETC)* | 19. ELEV CASINGHEAD |
| 03/19/2009 | | 03/2 | 28/2009 | 05 | 5/14/20 | 909 | | | GL | 6229' | KΒ | 6244' | |
| 20 TOTAL DEP | TH, MD &TV | Ø) | 21 PLUG, B | ACK T D , MD &T | VD 22 | IF MULT | HOW N | | | TERVALS RILLED BY | ROTAF | RY TOOLS | CABLE TOOLS |
| 7 | '383' | | 7381 | • | 1 | | 2 | | 1 | | ves | | |
| | | | | TION-TOP, BOTT | OM, NAM | IE (MD AI | ND TVD |)* | - | | | 25 WAS DIRECT | |
| Basin D | akota 7 | 154' - | 7360' | | | | | | | | | ļ | No |
| 26 TYPE ELECT | | THER LO | OGS RUN | | | | | | | | 27 WA | S WELL CORED | No |
| | | | | | CASI | NC DEC | CODD (| (Report all string | o oot in | · woll) | | ····· | |
| 28 | CDADE | WEIG | UT ID (TT | DEDTH CET (| | HOLES | | | | | 000 | T | HOLDE DINLES |
| CASING SIZE/ 9 5/8" | GHADE | | HT, LB /FT # H-40 | DEPTH SET (I | | 2 1/4" | SIZE | | | EMENTING REC | URD | | MOUNT PULLED |
| 7" | | | | | | | | surface; 92 s | | | | 1 bbl | |
| <u>-</u> | | 20# | | 3177' | | 3/4" | | surface; 459 | | | | 45 bbi | <u>.</u> |
| 4 1/2" | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 10.5#/ | 11.6# J-55 | 7381' | 6 | 1/4" | | TOC @ 2508 | 408 | sx (593 ct) | | <u> </u> | |
| 29 | | | LINER RE | CORD | | | | 30. | | | TL | IBING RECORD | |
| SIZE | TOP (MD) | ВО | TTOM (MD) | SACKS CEMEI | NT* | SCREEN | (MD) | SIZE | | DEPTH SET | (MD) | PA | CKER SET (MD) |
| | | T | | | | | | 2 3/8" 4.7# J | -55 | 7294' | | | , |
| | | T | | | | | | | | | | | |
| 1 PERFORATI | ON RECOR | D (Interv | al, size and nun | nber) | 32 | | | ACI | D. SHC | T. FRACTURE | . CEME | NT SQUEEZE, | ETC. |
| oK @ .34 dia | m - 1 SP | F 7154 | '. 7156'. 71 | 58', 7160'. | 71 | 54' - 7 | 360' | | | | | | , w/105,126 gal |
| | | | | 7174', 7176', | <u> </u> | | | | | | | 40 Arizona S | · · · · · · · · · · · · · · · · · · · |
| | | | | 7192', 7194', | <u> </u> - | | | | - Citor | Huter HI-TO,E | | 140 MILEONIA O | unu. |
| 196', 7214', ' | | | | | | | | | | | | | |
| | | | | | | | | | ├ ─ | | | | |
| SPF 7264', | | | | | \vdash | | | | | | | | |
| | | | | 7334', 7338', | <u> </u> | | | | L | | | | |
| '344', 7352', ' | • | 60. = 3 | 8 holes | | <u> </u> | | | | | | | | · · · · · · · · · · · · · · · · · · · |
| Total Holes 6 | 4 - | | | | | | | | <u> </u> | | | | • |
| 33. | | | T BBABU | | ., | - 170 | | ODUCTION | | | | | |
| ATE FIRST PRO | DUCTION | | PHODUC | • | | as im, pun | npingsi | ize and type of pum | p) | | | | Producing or shut-in) |
| SI | | | | Flowin | | | | | | | | SI | |
| ATE OF TEST | | HOURS | TESTED | CHOKE SIZE | PROD'N | | OILB | BL , | GAS | MCF | WATE | RBBL | GAS-OIL RATIO |
| | | | | | TEST PE | RIOD | | | Į. | | 1 | | |
| 05/14/20 | | 1 | | 1/2" | | | 0 | | ŀ | 69 mcfh | 1.3 t | owph | |
| OW TUBING PI | RESS | CASING | | CALCULATED | OILB | BL | | GASMCF | | | | | OIL GRAVITY-API (CORR) |
| | | | | 24-HOUR RATE | Ì | | | | | | | | |
| 752 | # | 671 | # | | 0 | bopd | | 1656 mcf/d | | 32 bwpd | | | |
| 34 DISPOSITIO | N OF GAS (| | | ed, etc.) | | | | | | | | TEST WITNESSE | D BY · |
| | | Tob | e sold | | | | | | | | | | |
| 35. LIST OF ATT | ACHMENT | | | | | | | | | · · · · · · · · · · · · · · · · · · · | | L | |
| | | | K commin | gle as per DH | IC ordo | - 2004 | A 7 | | | | | | |
| | | | | <u> </u> | | | | od from all | va a | | | | |
| 36 I nereby certi | ry that the fo | regoing a | ing attached inf | ormation is comple | ere and co | rrect as d | etermine | ed from all available | records | | | AS | SEALED HOH MED |
| IGNED (| 3m | 7/ 1 | J (570 | A A Torn | LE / Re | equiato | rv Te | chnician | | | DATE | · - | 05/27/2009 |
| k | // / / | *** | | | | | | | | | | | <u> </u> |
| $\overline{}$ | | | *(Se | e Instructio | ns and | Spac | es fo | r Additional | Data | on Reverse | e Side | 2) | |
| Title 18 IU S C | Section | 1001 | | | | | | | | | | | AMMONON FIELD OFF |
| Instact States | any falsa | fictitie | ue or fraud | ulant etatama | nte or r | anraca | ntation | ns as to any m | attor : | within its urise | diction | gency or the | Mindran Lietz All |
| mileu States | any raise | , noull | ous or madu | uiciii stateille | into OF II | ehi 626 | mallul | is as to ally III | auei \ | within its jurist | action. | 7.4 | 5,~- |
| | | | | | | 1 | NM(| nen a | | | | 7.0 | The state of the s |
| | | | | | | ı | BBARR | nnn A | | | | | |
| | | | | | | | | . (|) | | | | |

DATE ISSUED

| 2 | | | | | | .* |
|----------------------|-------|-------|--|--------|---------------|-------|
| API # 30-039-30601 | | | San Juan 28-6 Unit 167P | | | |
| Ojo Alamo | 2297' | 2383' | White, cr-gr ss. | Ojo | Alamo | 2297' |
| Kirtland | 2383' | 2572' | Gry sh interbedded w/tight, gry, fine-gr ss. | Kirtl | and | 2383' |
| Fruitland | 2572' | 2973' | Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss. | Frui | tland | 2572' |
| Pictured Cliffs | 2973' | 3114' | Bn-Gry, fine grn, tight ss. | Pic. | Cliffs | 2973' |
| Lewis | 3114' | 3443' | Shale w/siltstone stringers | Lew | ris - | 3114' |
| Huerfanito Bentonite | 3443' | 3898' | White, waxy chalky bentonite | Hue | rfanito Bent. | 3443' |
| Chacra | 3898' | 4483' | Gry fn grn silty, glauconitic sd stone w/drk gry shale | Cha | cra | 3898' |
| Mesa Verde | 4483' | 4723' | Light gry, med-fine gr ss, carb sh & coal | Mes | a Verde | 4483' |
| Menefee | 4723' | 5154' | Med-dark gry, fine gr ss, carb sh & coal | Mer | nefee | 4723' |
| Point Lookout | 5154' | 5624' | Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation | Poir | nt Lookout | 5154' |
| Mancos | 5624' | 6300' | Dark gry carb sh. | Mar | icos | 5624' |
| Gallup | 6300' | 7049' | Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg. interbed sh | Gall | up | 6300' |
| Greenhorn | 7049' | 7113' | Highly calc gry sh w/thin lmst. | Gre | enhorn | 7049' |
| Graneros | 7113' | 7153' | Dk gry shale, fossil & carb w/pyrite incl. | Gra | neros | 7113 |
| Dakota | 7153' | 1 | Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay Y shale breaks | Dak | ota | 7153' |
| Morrison | | ı | Interbed grn, brn & red waxy sh & fine to coarse grn ss | -, Mor | rison | 1 |

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(October 1990)

FOR APPROVED

Expires December 31, 1991
5 LEASE DESIGNATION AND SERIAL NO

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| | Poor! | Ļ |
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| | | |

UNITED STATES

UNITED STATES

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICA

(Secoline)

STATES

(Secoline)

SUBMIT IN DUPLICA

(Secoline)

| ELL COMPL | CTION | 00 5 | -0011- | | ONERE | <u> Projecto AFI</u> | | Del Outles | 6 IF | NDIAN ALLOTTE | E OR TRIBE NAME | 136106251 |
|--|---|---|---|--|--|--|---|--|--|---|--|-------------------------|
| TYPE OF MELL | LETION | OR RE | | | T 1 | OHIRAND | thO(| Gia Oinca | ا ا ا | INDIAN, ALLUTTE | L OR TRIDE NAME | |
| TYPE OF WELL | | METT | GAS WELL X | DR | Y Other | | | | 7 HN | IIT AGREEMENT | NAME | ر |
| TYPE OF COMPLE | | | | _ | | | | | San J | uan 28-6 Uni | t | <u> </u> |
| NEW WELL | WORK OVER | DEEP- | PLUG BACK | DIF | SVR Other | | | | 1 | RM OR LEASE N | | |
| | -05 | | | | | | | | | Juan 28-6 U | nit 167P | _ |
| NAME OF OPERAT BURLING | TON RESO | URCES | OIL & GA | s con | IPANY | | | | J 9 AF | 30-039-306 | 01 | |
| ADDRESS AND TE | | | | | | | | | 10 F | ELD AND POOL, | | |
| PO BOX 42 | 89, Farming | | | | 26-9700 | | | | 14 6 | Blanco Mes | SA Verde | |
| _ | LL (<i>Heport loca</i> Init P (SESE) | | • | | ntn any State re | quirements)" | | | | EC, I, R, M, OF DRAREA | R BLOCK AND SURVEY | |
| At surface C | int (OLOL) | , 3, 5 . 5 | L, 1140 1 L | | | | | | ł | Sec. 4 T27N | N R6W, NMPM | |
| At top prod. interval | reported below | S | ame as | above | | | | , | 1 | | | |
| At total depth | Same as a | hove | | | | | | , | | | , | |
| At total depth | Jamo ao a | | | | | | | | | | | |
| | | | | 14. PE | RMIT NO. | DATE ISSUE | ED . | | | OUNTY OR PARISH | 13 STATE | |
| | | | | | | | | | <u> </u> | Rio Arriba | New Mexico | |
| DATE SPUDDED 16 19/2009 | 6 DATE T D R 03/28/20 | | | E COMPL 5/14/20 | (Ready to prod) | | 1 | EVATIONS (DF, F | | BR, ETC)* | 19. ELEV. CASINGHEAD | |
| TOTAL DEPTH, MD & | | | OKTD, MD&T | | IF MULTIPLE CO | OMPL, | GL 23 INT | 6229' ERVALS | ROTAR | 9 TOOLS | CABLE TOOLS | |
| 70001 | 1 | | | | HOW M | | | RILLED BY | | | 1 | |
| 7383' PRODUCTION INTERV | VAL (S) OF THIS | 7381' COMPLETI | ION-TOP, BOT | TOM, NAM | 2 ME (MD AND TVD | *)* | L | | yes | 25 WAS DIREC | TIONAL | |
| | | | ,_2. | . , | , | | | • | | SURVEY MA | ADE | |
| TYPE ELECTRIC AND | | | | | | | | | 27 WAS | S WELL CORED | No | _ |
| GR/CCL/CBL | | | | | | | | | | | No | |
| | | | | | | (Report all string: | | | | | | |
| 9 5/8" | 32.3# H-4 | | DEPTH SET | | HOLE SIZE | TOP OF CEN | | EMENTING RECO | DRD | 1 bbi | MOUNT PULLED | |
| 7" | 20# J-55 | | 3177' | 8 : | 3/4" | surface; 459 | sx (89 | 8 cf) | | 45 bbl | | |
| 4 1/2" | 10.5#/11.6 | F J-55 | 7381 | 6 | 1/4" | TOC @ 2508 | 408 s | sx (593 cf) | | BING RECORD | | _ |
| SIZE TOP (MD | | | SACKS CEME | NT* | SCREEN (MD) | SIZE | | DEPTH SET | | | CKER SET (MD) | _ |
| | | | | | | 2 3/8" 4.7# J- | -55 | 7294' | | | | _ |
| | | | er) | | | I ACI | D 6110 | T, FRACTURE, | CEMEN | JT SOUEEZE E | тс | _ |
| PERFORATION RECO | RD (Interval, size | and number | | 32. | | | ν , $5\pi\nu$ | | CEME | | | |
| . @ .34 diam - 1 S | PF 4821', 48 | 72', 4898 | B', 4900', | | 21' - 5419' | | Acidiz | ze w/10 bbls | 15% H | CL acid frac, | w/47,334 gal | _ |
| _ | PF 4821', 48 992', 4996', 9 | 72', 4898 5000', 50 | 8', 4900', 10', 5114', | | | | Acidiz 60% s | ze w/10 bbls slickwater N2 | 15% H foam | CL acid frac, | | _ |
| . @ .34 diam - 1 S 4', 4906', 4963', 4 6', 5138', 5142', 5 4', 5240', 5263', 5 | :PF 4821', 48 992', 4996', ! 146', 5150', ! 319', 5419' = | 72', 4898 5000', 50 5158', 51 25 hole: | 8', 4900', 10', 5114', 64', 5170', s | 48 | 21' - 5419' | | Acidiz 60% s Total | ze w/10 bbls slickwater N2 N2 948,200 S | 15% H foam CF | CL acid frac, w/100,718# 2 | w/47,334 gal 0/40 Arizona Sand | <u>-</u> - |
| . @ .34 diam - 1 S 4', 4906', 4963', 4 6', 5138', 5142', 5 4', 5240', 5263', 5 nfee/Cliffhouse @ | PF 4821', 48 992', 4996', 5 146', 5150', 5 319', 5419' = 9 .34 diam - 1 | 72', 4898 5000', 50 5158', 51 25 holes SPF 450 | 8', 4900', 10', 5114', 64', 5170', s 94', 4522', | 48 | | | Acidiz 60% s Total Acidiz | ze w/10 bbls slickwater N2 N2 948,200 S ze w/10 bbl 1 | 15% H foam GCF 5% HC | CL acid frac, w/100,718# 2 L acid frac, w | w/47,334 gal 0/40 Arizona Sand w/48,132 gal | <u>-</u> - - - |
| @ .34 diam - 1 S 4', 4906', 4963', 4 6', 5138', 5142', 5 4', 5240', 5263', 5 nfee/Cliffhouse @ 2', 4580', 4588', 4 6', 4630', 4634', 4 | :PF 4821', 48 992', 4996', 5 146', 5150', 5 319', 5419' = 2 .34 diam - 1 598', 4602', 4 638', 4642', 4 | 172', 4898 5000', 50 5158', 51 25 holes SPF 450 4614', 46 | 8', 4900', 10', 5114', 64', 5170', s 14', 4522', 18', 4622', 70', 4674', | 48 | 21' - 5419' | | Acidiz 60% s Total Acidiz slicky | ze w/10 bbls slickwater N2 N2 948,200 S ze w/10 bbl 1 | 15% H foam GCF 5% HC n w/11 | CL acid frac, w/100,718# 2 L acid frac, w | w/47,334 gal 0/40 Arizona Sand | |
| @ .34 diam - 1 S 4', 4906', 4963', 4 6', 5138', 5142', 5 4', 5240', 5263', 5 nfee/Cliffhouse @ 2', 4580', 4588', 4 6', 4630', 4634', 4 8', 4690', 4696', 4 | :PF 4821', 48 992', 4996', 5 146', 5150', 5 319', 5419' = 2 .34 diam - 1 598', 4602', 4 638', 4642', 4 | 172', 4898 5000', 50 5158', 51 25 holes SPF 450 4614', 46 | 8', 4900', 10', 5114', 64', 5170', s 14', 4522', 18', 4622', 70', 4674', | 48 | 21' - 5419' | | Acidiz 60% s Total Acidiz slicky | ze w/10 bbls slickwater N2 N2 948,200 S ze w/10 bbl 1 vater N2 foan | 15% H foam GCF 5% HC n w/11 | CL acid frac, w/100,718# 2 L acid frac, w | w/47,334 gal 0/40 Arizona Sand w/48,132 gal | |
| . @ .34 diam - 1 S 4', 4906', 4963', 4 6', 5138', 5142', 5 4', 5240', 5263', 5 nfee/Cliffhouse @ 2', 4580', 4588', 4 6', 4630', 4634', 4 8', 4690', 4696', 4 0'= 27 holes | :PF 4821', 48 992', 4996', 5 146', 5150', 5 319', 5419' = 2 .34 diam - 1 598', 4602', 4 638', 4642', 4 | 172', 4898 5000', 50 5158', 51 25 holes SPF 450 4614', 46 | 8', 4900', 10', 5114', 64', 5170', s 14', 4522', 18', 4622', 70', 4674', | 48 | 21' - 5419' | | Acidiz 60% s Total Acidiz slicky | ze w/10 bbls slickwater N2 N2 948,200 S ze w/10 bbl 1 vater N2 foan | 15% H foam GCF 5% HC n w/11 | CL acid frac, w/100,718# 2 L acid frac, w | w/47,334 gal 0/40 Arizona Sand w/48,132 gal | |
| @ .34 diam - 1 S 4', 4906', 4963', 4 6', 5138', 5142', 5 4', 5240', 5263', 5 nfee/Cliffhouse @ 2', 4580', 4588', 4 6', 4630', 4634', 4 8', 4690', 4696', 4 0' = 27 holes al Holes 52 | PF 4821', 48 992', 4996', 5 146', 5150', 5 319', 5419' = 34 diam - 1 598', 4602', 4 638', 4642', 4 702', 4706', 4 | 72', 4898 5000', 50 5158', 51 25 holes SPF 450 4614', 46 4646', 46 | 3', 4900', 10', 5114', 64', 5170', s 14', 4522', 18', 4622', 70', 4674', 14', 4718', | 48 | 504' - 4760' | RODUCTION | Acidiz 60% s Total Acidiz slicky Total | ze w/10 bbls slickwater N2 N2 948,200 S ze w/10 bbl 1 vater N2 foan | 15% H foam GCF 5% HC n w/11 | CL acid frac, w/100,718# 2 L acid frac, w 1,460# 20/40 | w/47,334 gal 0/40 Arizona Sand w/48,132 gal Arizona Sand. | |
| @ .34 diam - 1 S 4', 4906', 4963', 4 6', 5138', 5142', 5 4', 5240', 5263', 5 nfee/Cliffhouse @ 2', 4580', 4588', 4 6', 4630', 4634', 4 8', 4690', 4696', 4 0' = 27 holes al Holes 52 | PF 4821', 48 992', 4996', 5 146', 5150', 5 319', 5419' = 34 diam - 1 598', 4602', 4 638', 4642', 4 702', 4706', 4 | 72', 4898 5000', 50 5158', 51 25 holes SPF 450 4614', 46 4646', 46 | 3', 4900', 10', 5114', 64', 5170', s 14', 4522', 18', 4622', 70', 4674', 14', 4718', | 48 45 | 504' - 4760' | | Acidiz 60% s Total Acidiz slicky Total | ze w/10 bbls slickwater N2 N2 948,200 S ze w/10 bbl 1 vater N2 foan | 15% H foam GCF 5% HC n w/11 | CL acid frac, w/100,718# 2 L acid frac, w 1,460# 20/40 | w/47,334 gal 0/40 Arizona Sand w/48,132 gal | |
| . @ .34 diam - 1 S 4', 4906', 4963', 4 6', 5138', 5142', 5 4', 5240', 5263', 5 nfee/Cliffhouse @ 2', 4580', 4588', 4 6', 4630', 4634', 4 8', 4690', 4696', 4 0'≈ 27 holes al Holes 52 | PF 4821', 48 992', 4996', 5 146', 5150', 5 319', 5419' = 34 diam - 1 598', 4602', 4 638', 4642', 4 702', 4706', 4 | 72', 4898 5000', 50 5158', 51 25 holes SPF 450 4614', 46 4646', 46 4710', 47 | 3', 4900', 10', 5114', 64', 5170', s 14', 4522', 18', 4622', 70', 4674', 14', 4718', | 48 45 45 Flowing, ga | 21' - 5419' 504' - 4760' pp as lift, pumping-s | IODUCTION lize and type of pur | Acidiz 60% s Total Acidiz slicky Total | ze w/10 bbls slickwater N2 N2 948,200 S ze w/10 bbl 1 vater N2 foan N2 973,900 S | 15% H foam CF 5% HC n w/11 | CL acid frac, w/100,718# 2 L acid frac, w 1,460# 20/40 | w/47,334 gal 0/40 Arizona Sand w/48,132 gal Arizona Sand. | |
| . @ .34 diam - 1 S 4', 4906', 4963', 4 6', 5138', 5142', 5 4', 5240', 5263', 5 nfee/Cliffhouse @ 2', 4580', 4588', 4 6', 4630', 4634', 4 8', 4690', 4696', 4 0'≈ 27 holes al Holes 52 | PF 4821', 48 992', 4996', 5 146', 5150', 5 319', 5419' = 0.34 diam - 1 5598', 4602', 4 702', 4706', 4 | 72', 4898 5000', 50 5158', 51 25 holes SPF 450 4614', 46 4646', 46 4710', 47 | 8', 4900', 10', 5114', 64', 5170', 8 14', 4522', 18', 4622', 70', 4674', 14', 4718', | 48 45 Flowing, ga | 21' - 5419' 504' - 4760' PP as lift, pumping-s FOR OIL-B | RODUCTION DIZE and Type of pur BL | Acidiz 60% s Total Acidiz slicky Total | ze w/10 bbls slickwater N2 N2 948,200 S ze w/10 bbl 1 vater N2 foan N2 973,900 S | 15% H foam GCF 5% HC n w/11 GCF | CL acid frac, w/100,718# 2 L acid frac, w 1,460# 20/40 WELL STATUS (/ | w/47,334 gal 0/40 Arizona Sand w/48,132 gal Arizona Sand. | |
| . @ .34 diam - 1 S 4', 4906', 4963', 4 6', 5138', 5142', 5 4', 5240', 5263', 5 1fee/Cliffhouse @ 2', 4580', 4588', 4 6', 4630', 4634', 4 8', 4690', 4696', 4 0' ≈ 27 holes al Holes 52 ■ FIRST PRODUCTION SI OF TEST | PF 4821', 48 992', 4996', 5 146', 5150', 5 319', 5419' = 0 .34 diam - 1 598', 4602', 4 702', 4706', 4 | 172', 4898 5000', 50 5158', 51: 25 holes SPF 450 4614', 46 4646', 46' 4710', 47 | 8', 4900', 10', 5114', 64', 5170', 8 4', 4522', 18', 4622', 70', 4674', 14', 4718', ON METHOD (Flowin HOKE SIZE 1/2" ALCULATED | 48 45 45 Flowing, ga | 21' - 5419' 504' - 4760' PP as lift, pumping-s FOR OIL-B ERIOD 0.04 | IODUCTION lize and type of pur | Acidiz 60% s Total Acidiz slicky Total | ze w/10 bbls slickwater N2 N2 948,200 S ze w/10 bbl 1 vater N2 foan N2 973,900 S | 15% H foam CF 5% HC n w/11 | CL acid frac, w/100,718# 2 L acid frac, w 1,460# 20/40 WELL STATUS (/ | w/47,334 gal 0/40 Arizona Sand w/48,132 gal Arizona Sand. | |
| @ .34 diam - 1 S 4', 4906', 4963', 4 6', 5138', 5142', 5 4', 5240', 5263', 5 nfee/Cliffhouse @ 2', 4580', 4588', 4 6', 4630', 4634', 4 8', 4690', 4696', 4 0'= 27 holes al Holes 52 FIRST PRODUCTION SI **OF TEST** 05/12/2009 V TUBING PRESS. | PF 4821', 48 992', 4996', 5 146', 5150', 5 319', 5419' = 0.34 diam - 1 598', 4602', 4 702', 4706', 4 | 172', 4898 5000', 50 5158', 51: 25 holes SPF 450 4614', 46 4646', 46' 4710', 47 | 8', 4900', 10', 5114', 64', 5170', 8 14', 4522', 18', 4622', 70', 4674', 14', 4718', ON METHOD (Flowin HOKE SIZE | 45 45 Flowing, ga | 21' - 5419' 504' - 4760' PR as lift, pumping-s FOR OIL-B RRIOD 0.04 | RODUCTION Dize and type of pur BL bop/h GASMCF | Acidiz 60% s Total Acidiz slicky Total | ze w/10 bbls slickwater N2 N2 948,200 S ze w/10 bbl 1 vater N2 foan N2 973,900 S | 15% H foam GCF 5% HC n w/11 GCF | CL acid frac, w/100,718# 2 L acid frac, w 1,460# 20/40 WELL STATUS (/ | w/47,334 gal 0/40 Arizona Sand v/48,132 gal Arizona Sand. Producing or shul-in) [GAS-OIL RATIO | |
| @ .34 diam - 1 S 4', 4906', 4963', 4 6', 5138', 5142', 5 4', 5240', 5263', 5 nfee/Cliffhouse @ 2', 4580', 4588', 4 6', 4630', 4634', 4 8', 4690', 4696', 4 0' ≈ 27 holes al Holes 52 FIRST PRODUCTION SI FOF TEST 05/12/2009 ▼ TUBING PRESS. | PF 4821', 48 992', 4996', 5 146', 5150', 5 319', 5419' = 0.34 diam - 1 598', 4602', 4 638', 4642', 702', 4706', 4 | 72', 4898 5000', 50 5158', 51: 25 hole: SPF 450 4614', 46 4646', 46 4710', 47 | 8', 4900', 10', 5114', 64', 5170', 8 14', 4522', 18', 4622', 70', 4674', 14', 4718', ON METHOD (Flowin HOKE SIZE 1/2" ALCULATED -HOUR RATE | 45 45 Flowing, ga | 21' - 5419' 504' - 4760' PP as lift, pumping-s FOR OIL-B ERIOD 0.04 | RODUCTION Dize and type of pur BL bop/h | Acidiz 60% s Total Acidiz slicky Total | ze w/10 bbls slickwater N2 N2 948,200 S ze w/10 bbl 1 vater N2 foan N2 973,900 S | 15% H foam GCF 5% HC n w/11 GCF | CL acid frac, w/100,718# 2 L acid frac, w 1,460# 20/40 WELL STATUS (/ | w/47,334 gal 0/40 Arizona Sand w/48,132 gal Arizona Sand. Producing or shul-in) IGAS-OIL RATIO OIL GRAVITY-API (CORR | |
| . @ .34 diam - 1 S 4', 4906', 4963', 4 6', 5138', 5142', 5 4', 5240', 5263', 5 nfee/Cliffhouse @ 2', 4580', 4588', 4 6', 4630', 4634', 4 8', 4690', 4696', 4 0' ≈ 27 holes al Holes 52 ■ FIRST PRODUCTION SI ■ OF TEST 05/12/2009 ▼ TUBING PRESS. 752# DISPOSITION OF GAS | PF 4821', 48 992', 4996', 5 146', 5150', 5 319', 5419' = 0.34 diam - 1 0.34 diam - 1 0.34 diam - 1 CASING PRES 671# (Sold, used for 1 To be so | 72', 4898 5000', 50 5158', 51: 25 hole: SPF 450 4614', 46 4646', 46 4710', 47 | 8', 4900', 10', 5114', 64', 5170', 8 14', 4522', 18', 4622', 70', 4674', 14', 4718', ON METHOD (Flowin HOKE SIZE 1/2" ALCULATED -HOUR RATE | 45 45 Flowing, ga | 21' - 5419' 504' - 4760' PR as lift, pumping-s FOR OIL-B RRIOD 0.04 | RODUCTION Dize and type of pur BL bop/h GASMCF | Acidiz 60% s Total Acidiz slicky Total | ze w/10 bbls slickwater N2 N2 948,200 S ze w/10 bbl 1 vater N2 foan N2 973,900 S | 15% H foam GCF 5% HC n w/11 GCF | CL acid frac, w/100,718# 2 L acid frac, w 1,460# 20/40 WELL STATUS (I | w/47,334 gal 0/40 Arizona Sand w/48,132 gal Arizona Sand. Producing or shul-in) IGAS-OIL RATIO OIL GRAVITY-API (CORR | |
| _ @ .34 diam - 1 S 14', 4906', 4963', 4 6', 5138', 5142', 5 4', 5240', 5263', 5 14', 5240', 5263', 5 14', 5240', 4588', 4 16', 4630', 4634', 4 18', 4690', 4696', 4 18', 4690', 4690', 4 18', 4690', | PF 4821', 48 992', 4996', 5 146', 5150', 5 319', 5419' = 0.34 diam - 1 598', 4602', 4 702', 4706', 4 HOURS TESTI CASING PRES 671# (Sold, used for 1 To be so | 72', 4898 5000', 50 5158', 51 25 holes SPF 450 4614', 46 4646', 46 4710', 47 | 8', 4900', 10', 5114', 64', 5170', 8 14', 4522', 18', 4622', 70', 4674', 14', 4718', ON METHOD (Flowin HOKE SIZE 1/2" ALCULATED -HOUR RATE -elc.) | 45 45 PROD'N TEST PE OILB | 21' - 5419' 504' - 4760' PP as lift, pumping-s FOR OILB RICOD 0.04 | RODUCTION Dize and type of pur BL bop/h GASMCF | Acidiz 60% s Total Acidiz slicky Total | ze w/10 bbls slickwater N2 N2 948,200 S ze w/10 bbl 1 vater N2 foan N2 973,900 S | 15% H foam GCF 5% HC n w/11 GCF | CL acid frac, w/100,718# 2 L acid frac, w 1,460# 20/40 WELL STATUS (I | w/47,334 gal 0/40 Arizona Sand w/48,132 gal Arizona Sand. Producing or shul-in) IGAS-OIL RATIO OIL GRAVITY-API (CORR | |
| E OF TEST 05/12/2009 W TUBING PRESS. 752# DISPOSITION OF GAS LIST OF ATTACHMEN | PF 4821', 48 992', 4996', 5 146', 5150', 5 319', 5419' = 0.34 diam - 1 598', 4602', 4 638', 4642', 4 702', 4706', 4 HOURS TESTI 1 CASING PRES 671# 5 (Sold, used for 1 To be so | 172', 4898 5000', 50 5158', 51' 25 holes SPF 450 4614', 46 4646', 46' 4710', 47 PRODUCTION CA SURE CA 24 uel, vented, DId | 8', 4900', 10', 5114', 64', 5170', 8 14', 4522', 70', 4674', 14', 4718', ON METHOD (Flowin HOKE SIZE 1/2" ALCULATED HOUR RATE BIC.) | Flowing, ga | 21' - 5419' 504' - 4760' PP as lift, pumping-s FOR OIL-B ERIOD 0.04 BL | BL Bop/h GASMCF | Acidiz 60% s Total Acidiz slickv Total | ze w/10 bbls slickwater N2 N2 948,200 S ze w/10 bbl 1 vater N2 foan N2 973,900 S | 15% H foam GCF 5% HC n w/11 GCF | CL acid frac, w/100,718# 2 L acid frac, w 1,460# 20/40 WELL STATUS (I | w/47,334 gal 0/40 Arizona Sand w/48,132 gal Arizona Sand. Producing or shul-in) IGAS-OIL RATIO OIL GRAVITY-API (CORR | |
| _ @ .34 diam - 1 S 14', 4906', 4963', 4 6', 5138', 5142', 5 4', 5240', 5263', 5 14', 5240', 5263', 5 14', 5240', 4588', 4 16', 4630', 4634', 4 18', 4690', 4696', 4 18', 4690', 4690', 4 18', 4690', | PF 4821', 48 992', 4996', 5 146', 5150', 5 319', 5419' = 0.34 diam - 1 598', 4602', 4 638', 4642', 4 702', 4706', 4 HOURS TESTI 1 CASING PRES 671# 5 (Sold, used for 1 To be so | 172', 4898 5000', 50 5158', 51' 25 holes SPF 450 4614', 46 4646', 46' 4710', 47 PRODUCTION CA SURE CA 24 uel, vented, DId | 8', 4900', 10', 5114', 64', 5170', 8 14', 4522', 70', 4674', 14', 4718', ON METHOD (Flowin HOKE SIZE 1/2" ALCULATED HOUR RATE etc.) | Flowing, gaing PROD'N TEST PE | PP OIL-BERIOD O.04 bopd orrect as determine | BL bop/h GASMCF 1306 mcf/d | Acidiz 60% s Total Acidiz slickv Total | ze w/10 bbls slickwater N2 N2 948,200 S ze w/10 bbl 1 vater N2 foan N2 973,900 S | 15% H foam GCF 5% HC n w/11 GCF WATE | CL acid frac, w/100,718# 2 L acid frac, w 1,460# 20/40 WELL STATUS (I | w/47,334 gal 0/40 Arizona Sand w/48,132 gal Arizona Sand. Producing or shul-in) IGAS-OIL RATIO OIL GRAVITY-API (CORR | |
| . @ .34 diam - 1 S 4', 4906', 4963', 4 6', 5138', 5142', 5 4', 5240', 5263', 5 nfee/Cliffhouse @ 2', 4580', 4588', 4 6', 4630', 4634', 4 8', 4690', 4696', 4 0' ≠ 27 holes al Holes 52 ■ FIRST PRODUCTION SI ■ OF TEST 05/12/2009 ▼ TUBING PRESS. 752# DISPOSITION OF GAS LIST OF ATTACHMEN This will be | PF 4821', 48 992', 4996', 5 146', 5150', 5 319', 5419' = 0.34 diam - 1 598', 4602', 4 638', 4642', 4 702', 4706', 4 HOURS TESTI 1 CASING PRES 671# 5 (Sold, used for 1 To be so | 172', 4898 5000', 50 5158', 51' 25 holes SPF 450 4614', 46 4646', 46' 4710', 47 PRODUCTION CA SURE CA 24 uel, vented, DId | 8', 4900', 10', 5114', 64', 5170', 8 14', 4522', 70', 4674', 14', 4718', ON METHOD (Flowin HOKE SIZE 1/2" ALCULATED HOUR RATE etc.) | Flowing, gaing PROD'N TEST PE | 21' - 5419' 504' - 4760' PP as lift, pumping-s FOR OIL-B ERIOD 0.04 BL | BL bop/h GASMCF 1306 mcf/d | Acidiz 60% s Total Acidiz slickv Total | ze w/10 bbls slickwater N2 N2 948,200 S ze w/10 bbl 1 vater N2 foan N2 973,900 S | 15% H foam GCF 5% HC n w/11 GCF | CL acid frac, w/100,718# 2 L acid frac, w 1,460# 20/40 WELL STATUS (I | w/47,334 gal 0/40 Arizona Sand w/48,132 gal Arizona Sand. Producing or shul-in) IGAS-OIL RATIO OIL GRAVITY-API (CORR | |
| @ .34 diam - 1 S 4', 4906', 4963', 4 6', 5138', 5142', 5 4', 5240', 5263', 5 nfee/Cliffhouse @ 2', 4580', 4588', 4 6', 4630', 4634', 4 8', 4690', 4696', 4 0'= 27 holes al Holes 52 EFIRST PRODUCTION SI E OF TEST 05/12/2009 V TUBING PRESS. 752# DISPOSITION OF GAS LIST OF ATTACHMEN This will be Thereby certify that the | PF 4821', 48 992', 4996', 5 146', 5150', 5 319', 5419' = 0.34 diam - 1 598', 4602', 4 638', 4642', 4 702', 4706', 4 HOURS TESTI CASING PRES 671# 5 Sold, used for 1 To be so To To roregoing and at | 72', 4898 5000', 50 5158', 51: 25 hole: SSPF 450 4614', 46 4646', 46 4710', 47 PRODUCTION CLA CLA CLA CLA CLA CLA CLA CL | 8', 4900', 10', 5114', 64', 5170', 8 14', 4522', 18', 4622', 70', 4674', 14', 4718', ON METHOD (Flowin HOKE SIZE 1/2" ALCULATED HOUR RATE etc.) as per DF mation is comp | Flowing, granger of the second | PF ON OIL-B CRIOD O O.04 Bl. bopd cr 3004AZ correct as determine egulatory Tec | bop/h GASMCF 1306 mcf/d | Acidiz 60% s Total Acidiz Slicky Total GAS-1 | ze w/10 bbls slickwater N2 N2 948,200 S ze w/10 bbl 1 vater N2 foan N2 973,900 S MCF 54 mcfh 24 bwpd s | 15% H foam GCF 5% HC n w/11 GCF WATE 1 bw | CL acid frac, w/100,718# 2 L acid frac, w 1,460# 20/40 WELL STATUS (I SI R-BBL | w/47,334 gal 0/40 Arizona Sand w/48,132 gal Arizona Sand. Producing or shul-in) IGAS-OIL RATIO OIL GRAVITY-API (CORR | |

PARAMIKOTON FIELD OFFICE

| API`# 30-039-30601 | | | San Juan 28-6 Unit 167P | | |
|----------------------|-------|-------|--|------------------|-------|
| Ojo Alamo | 2297' | 2383' | White, cr-gr ss. | Ojo Alamo | 2297' |
| Kirtland | 2383' | 2572' | Gry sh interbedded w/tight, gry, fine-gr ss. | Kirtland | 2383' |
| Fruitland | 2572' | 2973' | Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss. | Fruitland | 2572' |
| Pictured Cliffs | 2973' | 3114' | Bn-Gry, fine grn, tight ss. | Pic.Cliffs | 2973' |
| Lewis | 3114' | 3443' | Shale w/siltstone stringers | Lewis | 3114' |
| Huerfanito Bentonite | 3443' | 3898' | White, waxy chalky bentonite | Huerfanito Bent. | 3443' |
| Chacra | 3898' | 4483' | Gry fn grn silty, glauconitic sd stone w/drk gry shale | Chacra | 3898' |
| Mesa Verde | 4483' | 4723' | Light gry, med-fine gr ss, carb sh & coal | Mesa Verde | 4483' |
| Menefee | 4723' | 5154' | Med-dark gry, fine gr ss, carb sh & coal | Menefee | 4723' |
| Point Lookout | 5154' | 5624' | Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation | Point Lookout | 5154' |
| Mancos | 5624' | 6300' | Dark gry carb sh. | Mancos | 5624' |
| Gallup | 6300' | 7049' | Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg. interbed sh | Gallup | 6300' |
| Greenhorn | 7049' | 7113' | Highly calc gry sh w/thin lmst. | Greenhorn | 7049' |
| Graneros | 7113' | 7153' | Dk gry shale, fossil & carb w/pyrite incl. | Graneros | 7113' |
| Dakota | 7153' | • | Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay Y shale breaks | Dakota | 7153' |
| Morrison | | 1 | Interbed grn, brn & red waxy sh & fine to coarse grn ss | Morrison | , |

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