| OATE IN | 6 | 4 | 99 | SUSPENSE | 6 | 24 | 199 | TENGINEER | DC | LOGGED BY | KV | DHC | |
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NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

| ADMINISTRATIVE APPLICATION COVERSHEET |
|--|
| THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS |
| Application Acronyms: [NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location] [DD-Directional Drilling] [SD-Simultaneous Dedication] [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response] |
| TYPE OF APPLICATION - Check Those Which Apply for [A] [A] Location - Spacing Unit - Directional Drilling NSL NSP DD DSD JUN - 4 1983 |
| Check One Only for [B] and [C] [B] Commingling - Storage - Measurement ☑ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM |
| Injection - Disposal - Pressure Increase - Enhanced Oil Recovery WFX PMX SWD IPI EOR PPR |
| [2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply [A] Working, Royalty or Overriding Royalty Interest Owners |
| [B] Soffset Operators, Leaseholders or Surface Owner |
| [C] Application is One Which Requires Published Legal Notice |
| [D] Notification and/or Concurrent Approval by BLM or SLO U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office |
| [E] For all of the above, Proof of Notification or Publication is Attached, and/or, |
| [F] Waivers are Attached |
| [3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding |
| I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken. |

Note: Statement must be completed by an individual with supervisory capacity.

| | $V_{\alpha \alpha}$ | Modday | | 11 |
|--------------------|---------------------|-----------|------------------|------|
| Kay Maddox | _7VIII | 11/add Ox | Regulatory Agent | 4/2/ |
| Print or Type Name | Signatur | 7 | Title | Date |

, <u>district</u> i

PO Box 1980, Hobbs, NM 88241 1980

State of New Mexico Energy, Minerals and Natural Rasources Department

Form C-107-A New 3-12-96

YES NO

OIL CONSERVATION DIVISION

2040 S. Pacheco Santa Fe, New Mexico 87505-6429

| APPROVAL | PROCESS: |
|-------------------------|----------|
| MA alaminina ana atrici | . 🗖 🗆 |

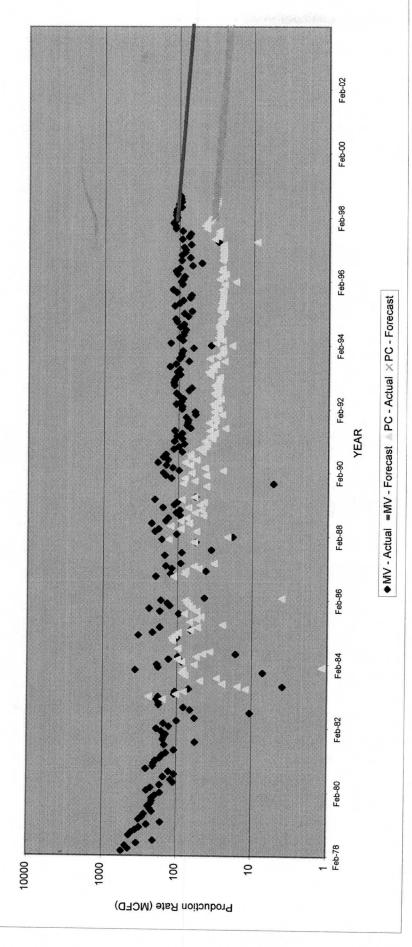
811 Southl First St. Artesia NM 88210 2835

DISTRICT III 1000 Rio Brazos Rd. Aztec, NM 87410 1693 APPLICATION FOR DOWNHOLE COMMINGLING

Administrative Hearing EXISTING WELLBORE

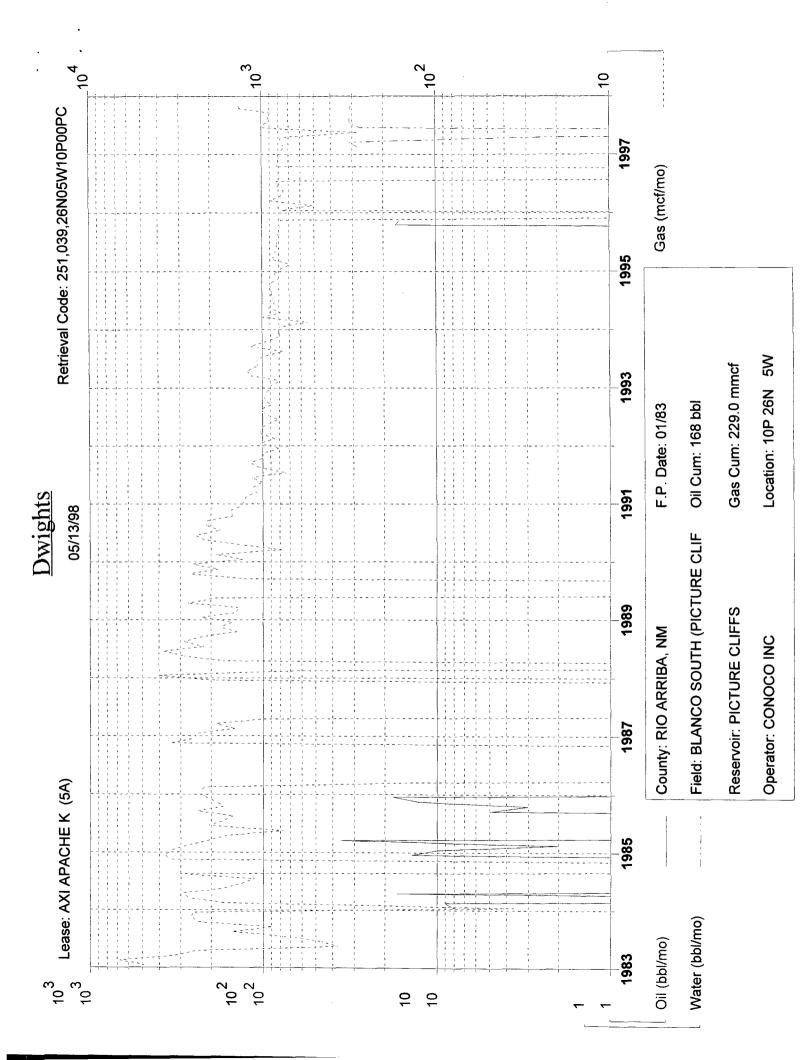
| Conoco Inc. | | 0 Desta Dr. Ste 100W, Midlan | d, Tx. 79705-4500 |
|---|--|--|---|
| AXI Apache K | #5A | Section 10, T-26-N, R-5-W | , P Rio Arriba, NM |
| CORID NO. 005073 Property Code | 003133 | Spacin | g Unit Lease Types: (check 1 or more) , State (and/or) Fee |
| The following facts ate submitted in support of downhole commingilng: | Upper Zone | intermediate Zone | Lower Zone |
| 1. Pool Name and Pool Code | Blanco Pictured Cliffs, Sc 72439 |). | Blanco Mesaverde 72319 |
| 2. TOP and Bottom of Pay Section (Perforations) | 3540-3556' | | 5204-5740' |
| 3. Type of production (Oil or Gas) | Gas | | Gas |
| 4. Method of Production {Flowing or Artificial Lilt} | Flowing | | Flowing |
| 5. Bottomhole Pressure | a (Current) | a. | a. |
| Oil Zones - Artilicial Lift: Estimated Current | 330 | | 575 |
| Gas & Oil - Flowing: Measured Current | b(Original) | b. | b. |
| All Gas Zones: Estimated Or Measured Original | , , , | J o. | |
| | 1175 | | 1315 |
| 6. Oil Gravity (*API) or Gas BT Content | | | |
| Gas By Content | 1215 | | 1297 |
| 7. Producing or Shut-In? | Producing | | Producing |
| | | | |
| Production Marginal? (yes or no) | Yes | | Yes |
| If Shut-In give date and oil/gas/ water rates of last production | Date | Date | Date |
| Note For new zones with no production hiStory | Rates | Rates: | Rates |
| applicant shad be required to attach production estimates and supporting dara | 1/99 | | 1/99 |
| If Producing, date and oil/gas/ water rates of recent test (within 60 days) | Rates 29 MCFD, 0 BOPD, 0 BOWD | Pale Rates | Rates 66 MCFD, 0 BOPD, 0 BWPD |
| 8. Fixed Percentage Allocation Formula -% or each zone | oil: Gas 10 24 % | oil: Gas % | oil: Gas 90 76 % |
| 9. If allocation formula is based usubmit attachments with supp | upon something other than coorting data and/or explaining | urrent or past production, or is g method and providing rate pro | based upon some other method, ojections or other required data. |
| Are all working, overriding, an If not, have all working, overri Have all offset operators been | d royalty interests identical in iding, and royalty interests b given written notice of the p | n all commingled zones? een notified by certified mail? roposed downhole commingling: | $\frac{X}{X} \frac{\text{Yes}}{\text{Yes}} = \frac{\text{No}}{\text{No}}$ |
| 11. Will cross-flow occur? X Y flowed production be recovered | es No If yes, are fluids ed, and will the allocation for | compatible, will the formations mula be reliable. X Yes | |
| 12. Are all produced fluids from a | II commingled zones compat | ible with each others X | _Yes No |
| 13. Will the value of production be | e decreased by commingling | ?Yes _X_No (If ` | Yes, attach explanation) |
| If this well is on, or communit United States Bureau of Land | ized with, state or federal lar I Management has been noti | nds, either the Commissioner o fied in writing of this application | f Public Lands or the X Yes No |
| 15. NMOCD Reference Cases for | Rule 303(D) Exceptions: | ORDER NO(S). | |
| * Froduction curve to * For zones with no * Data to support allo * Notification list of * Notification list of | or each zone for at least one or oduction history, estimated ocation method or formula all offset operators. Working, overriding and rove | its spacing unit and acreage dyear. (If not available, attach ef production rates and supportinally interests for uncommon intrequired to support comminglin | xplanation.) ng data. |
| I hereby certify that the information | on above is true and complet | te to the best of my knowledge | and belief. |
| signature <u>July Maa</u> | ldex | TITLE Regulatory Agent | DATE June 2, 1999 |
| TYPE OR PRINT NAME Kay Mad | dox | TELEPHONE NO. | (915) 686-5798 |

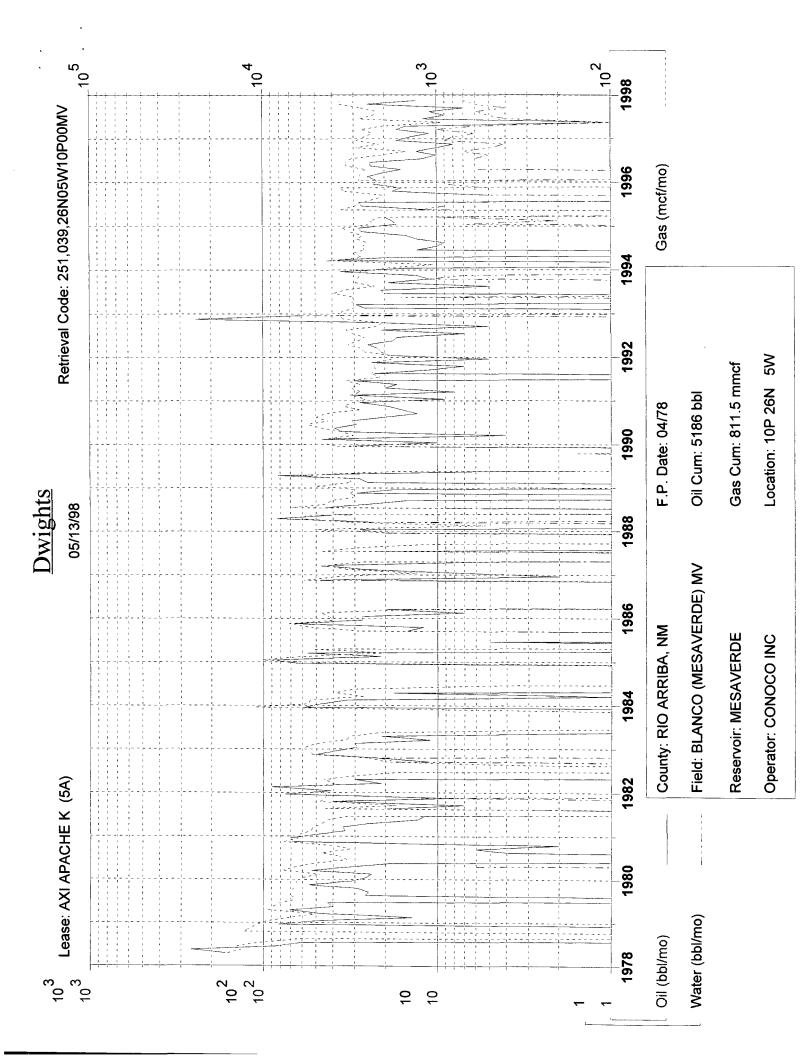
AXI APACHE K 5A - MV / PC DHC 26N-5W-10P, Rio Arriba County, New Mexico



| MESAVERDE | | | | PICTURED CLIFFS | CLIFFS | | |
|------------------|------------------------------------|-----------------|------------|-----------------|------------------------------------|-----------------|-----------|
| Historical Data: | Historical Data: 1st Prod - Apr-78 | Projected Data: | | Historical Dai | Historical Data: 1st Prod - Jan-83 | Projected Data: | |
| Oil Cum: | 5.254 Mbo | 1/99 Qi: | 100.0 Mcfd | Oil Cum: | 0.17 Mbo | 1/99 Qi: | 31.7 Mcfd |
| Gas Cum: | 846.4 MMcf | Decline Rate: | 8.0 % | Gas Cum: | 240.77 MMcf | Decline Rate: | 8.0 % |
| Oil Yield: | 0.00621 Bbl/Mcf | | | Oil Yield: | 0.00070 Bbl/Mcf | | |

| | GAS | 5 | |
|----------------|-----|-----|--|
| fesaverde | %92 | %06 | |
| ictured Cliffs | 24% | 10% | |





NEW MELCO OIL CONSERVATION COMMISSION WELL LOCATION AND ACERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

| | | WII GUIGHCES MARI DE | TICES THE CASES DOUBLE | Street of the Pects | C 🕽 | | |
|--|---|--|------------------------|---------------------------------------|---------------|-----------------|------------------|
| Operator CONTENTS | rat or c | OLGO A NOV | Leose AVT AD | ACUE UVII | | Well N | io. 5-A |
| | NTAL OIL C | | | ACHE "K" | | |) -A |
| Unit Letter P | Section 10 | Township 26 NORTH | Range 5 WEST | RIO A | RRIBA | | • |
| Actual Factage Loc | ation of Well; | · · · · · · · · · · · · · · · · · · · | | · · · · · · · · · · · · · · · · · · · | | | |
| 1050 | feet from the | SOUTH Ine and | 930 | feet from the | EAST | line | • |
| Grand Level Elev. 6892 | MESA | VERDE | Pool BLAI | VCO | | Dedicated Avera | roge: - Acres |
| 1. Outline the | acerage dedicate | d to the subject well by | colored pencil or h | ochure marks o | n the plat bo | low. | |
| interest and rog3. If more that | yalty), in one lease of di ation, unitization | edicated to the well, o ifferent cymership is de i, force-pooling, etc? answer is "yes," type c | edicated to the wel | II, have the inte | , | | - |
| | o," list the owner | rs and tract description | s which have actu | ally consolidate | ed. (Use rev | erse side of | this form if |
| | | the well until all intere non standard unit, elim | | | | | |
| | | | | | CER | TIFICAT | 10 H |

I hereby certify that the information herein is true and complete to the bast of my

Certificate Na.

| | | | | knowledge and belief. |
|-------|-------------|----------|----------|---|
| | - + | | | ADMIN. SUPV. |
| | | -/- | 5 | ADMIN. SUIPL. |
| | - + - | 10 | - + - + | 3-11-77 140. 134 11463 5 |
| | -: | | 1 1 N | I hereby the presidents shown on this plot was letted in the mass of actual surveys made by his transfer supervision, and |
| | 1 | | -5A | that the same is true and correct to the best of my knowledge and belief. |
| + - · | + | -+ | + - | 2 February, 1977 Date Surveyed Registred Professional Engineer |
| | | <u> </u> | <u> </u> | James P. Leese 1463 |

(File

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-Effective 1-1-4

| | All dista | ances must be f | rom the outer l | oundaries of | the Section | • | | |
|---|--|--|---|--------------|-------------|-------------|---------------|---|
| Conoco I | | A CONTRACTOR OF THE PARTY OF TH | Lease AX | T An | rho | Kul | | Well No. |
| nit Letter Section | Township | 41- 61 | Runge | - 1 pc | County | | | |
| ctual Footage Location of W | | North | | west. | L Xu | o Arri | 00 | |
| | om the South | line and | 930 | fee | t from the | Fast | li Dadiani | ne ed Acreage: |
| , | Distured Cli | ffr | | anco | | * * | | ed Actedge: |
| 1. Outline the acrea | | e subject we | | | r hachure | marks on t | he plat | below. |
| 2. If more than one | lease is dedicated | d to the well | Loutline e: | ich and ide | ntify the | ownership i | hereof (| both as to wor |
| interest and royal | _ | | | . 1. | | | | |
| 3. If more than one I | ease of different o | wnership is | dedicated to | the well, | have the | interests o | f all ow | ners been con: |
| dated by communit | tizalien, unitization | , torce-pools | ng. etc? | | | | | |
| Yes No | If answer is ' | 'ycs;' type o | f consolida | tion | | | · . | |
| If answer is "no." | ' list the owners ar | nd tract desc | riptions wh | ich have a | ctually be | en consolid | ated. (I | lse reverse sid |
| this form if necess | sary.) | | | | | | | |
| | be assigned to the otherwise) or until a | | | | | | | |
| sion. | • | | | | | | | |
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| FARMING | TON DISTRICT | | ! | ě, | | | -2-7 | nal Engineer |
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| } ! | | · | | | | | | |

June 2, 1999

AXI Apache K # 5A Section 10, T-26-N, R-5-W, P API # 30-039-21506 Rio Arriba , NM

RE: Application to Downhole Commingle (C107A)

Offset Operators:

Amoco PO Box 800 Denver, CO 80201

Burlington Resources PO Box 4289 Farmington, NM 87499

A copy of the C-107A Application has been sent to the above listed parties.

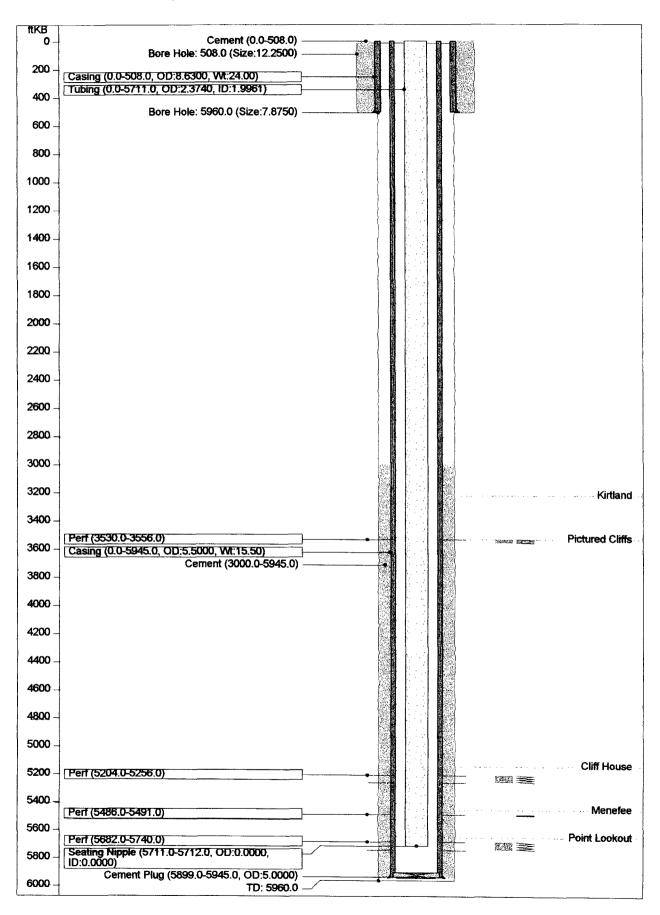
AXI Apache K 5A

Economic/Rate Justification for Down Hole Commingling

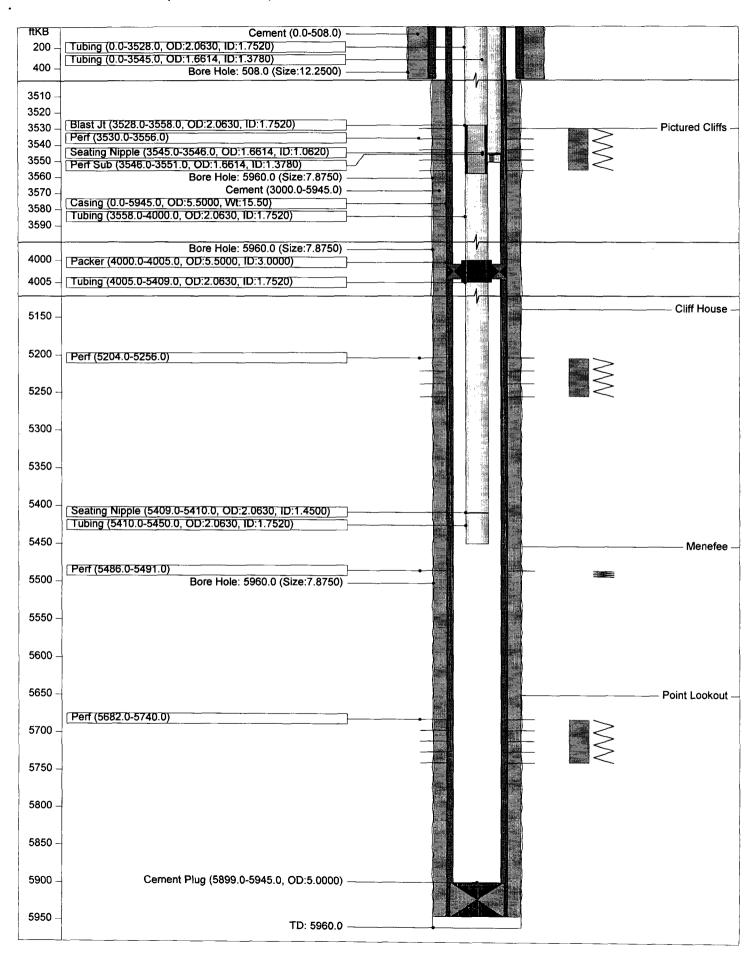
Approval is requested to down hole commingle the existing zones in the subject well. The AXI Apache K 5A has 5 1/2" production casing. It is dually completed using a 1.66" tubing string for the Picture Cliffs and a 2.063" tubing string for the Mesa Verde. Both zones produce some liquids and are producing well below the minimum critical rate required to unload liquids from the well bore. These low rates, along with the position of the tubing relative to the Mesa Verde perforations (340' above the bottom perfs) allows liquids to accumulate in the wellbore, thereby preventing maximum production from this well. To optimize production it is recommended to pull the existing equipment from the well, and produce it using plunger lift in a single 2 3/8" tubing string. The expected production increase is estimated at 50 MCFD.

The single larger tubing string will not only allow for more efficient plunger operation, but will eliminate the cost to install a second plunger lift system and save approximately \$2000 per year in plunger lift operating expenses.

Production from these zones is established by ample production history. A production plot is attached that showing best fit projections of future production for each zone. Form 107A shows the fixed percentage formula for allocation of production from each zone.



• AXI APACHE K 5A (LFW 9/16/97)



AXI APACHE K 5A (LFW 9/16/97)

| | UL SIV O | William | | | | | | | | H 887(95K-1.0) | 676390663 | |
|---|--|--|---|--|--|--|--|---|--|---|--|---|
| API Code TD | | | | 5960.0 | 50600 ftKB | | Field Co Basin | Jue | | -+ | 676380663 SAN JUAN BASIN | |
| PBTD | | | | 899.0 | | | Basin C | Code | | - | 580 | |
| State | | | | lew M | | | Permit | | | | 20-Sep-77 | |
| County | | | | RIO AR | | | Spud | | | \perp | 07-Jul-77 | |
| District | | | Sa | an Jua | n O.U. | | Finish L | | | _ | 17-Jul-77 | |
| Permit No. | <u></u> | | | 5960 | #KP | | Comple | | | | 19-Aug-77 | |
| TD Measure Reservoir | :u | | Mesave | | | Cliffs | Abando | JII | | | | |
| Field | | | | | MV/PC | | | | | \dashv | | |
| | 60 646 1172 | | | | | | 1 | 200au - 1 | | BUILDE: | | - William |
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| Quarter | | | <u> </u> | ` | SE SE | | Bottom | | | | 0 | |
| | | | | | | | Bottom Btm NS | | | | 0.0 ft | |
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| Casing Surface Cas Production (Other (plu- Date 28-Jul-7 Perforation Date 29-Jul-77 30-Jul-77 | 5682 5486 5204 | uip., etc.) (fi Cement Plu Int 0 - 5740.0 0 - 5256.0 | op tKB) 0.0 3000.0 - Plug tem 1g Sho (/ft 2.0 1.0 | Amo (s) 25 73 Backs bits () | eunt (x) (10 (10 (10 (10 (10 (10 (10 (10 (10 (10 | Cement cir DV @ 4496 Int (ftKE 5899.0 - 5 @ 5 All ir @ 5 | c 5. 1st st: 8) 945.0 582' (1 SF 1 250 G 7 | PF). (1/2%) | exs, circ. Comme | 2nd s nts Cor 90', 5 FE | sig: 380 sxs. TOC by Est. stg: 380 sxs. TOC by Est. mments 5732', 36', 5740'. (2 SPF - 10's) In 250 G 7 1/2% HCL NEFE | hots) |
| Casing Surface Cas Production C Other (plu Date 28-Jul-7 Perforatio Date 29-Jul-77 | 5682 5486 5204 | uip., etc.) (fi Cement Plu Int 0 - 5740.0 0 - 5256.0 | 9 Sho (/fft 2.0 | Amo (s) 25 73 Backs bits () | eunt (x) (10 (10 (10 (10 (10 (10 (10 (10 (10 (10 | Cement cir DV @ 4499 Int (ftKE 5899.0 - 5 All ir @ 5: HCL @ 3: | C 5. 1st st: 945.0 945.0 682' (1 SF 250 G 7 486', 88', NEFE 530', 32', | 355 s PF). ' 1/2% 91', 5 22', 2 | © 5686', 6 HCL NE 5494'. (8 s 26', 30', 48', 42', 42', 42', 42', 42', 42', 42', 42 | 2nd s 2nd s nts Cor 90', 5 FE shots) 3', 52' | sig: 380 sxs. TOC by Est. stg: 380 sxs. TOC by Est. mments 5732', 36', 5740'. (2 SPF - 10's) In 250 G 7 1/2% HCL NEFE | hots) |
| Casing Surface Cas Production C Other (plu Date 28-Jul-7 Perforatio Date 29-Jul-77 30-Jul-77 01-Aug-77 | 5682 5486 5204 | (ff uip., etc.) (Cement Plu Int 0 - 5740.0 0 - 5256.0 0 - 3556.0 | Sho (/ft 2.0 | Amo (s) 25 73 Backs | v) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Cement cir DV @ 4496 (fitke 5899.0 - 5 All ir @ 5: HCL @ 3: In 10 | C 5. 1st st: 1945.0 1945.0 1945.0 1948.0 1948.0 1949.0 194 | PF). (1/2% 91', 5 22', 2 34', 3 2% He | © 5686', 6 HCL NE 5494'. (8 s 26', 30', 48', 42', 42', 42', 42', 44', CL NEFE | 2nd s 2nd s Cor 90', 5 FE shots) 3', 52' | sig: 380 sxs. TOC by Est. sig: 380 sxs. TOC by Est. mments 5732', 36', 5740'. (2 SPF - 10's) In 250 G 7 1/2% HCL NEFE '', 5256'. (8 shots) In 250 G 7' '', 48', 50', 52', 54', 3556'. (12's) | hots) |
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| Casing Surface Cas Production C Other (plu Date 28-Jul-77 Perforatio Date 29-Jul-77 30-Jul-77 13-Aug-82 Stimulatio Date 29-Jul-77 29-Jul-77 30-Jul-77 | string Casing Casing Gasing Ga | (find | Sho | Amo (s) 255 73 Backs (s) (s) (s) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c | 5682. 5486. 5204. | Cement cir DV @ 4494 Int. (ftKE 5899.0 - 5 895.0 60 5. HCL @ 33. In 10 Int. 0 - 5740.0 0 - 5740.0 | C 5. 1st st: 9945.0 9945.0 582' (1 SF 250 G 7 486', 88', 204', 16', NEFE 530', 32', 10 G 7 1/2 Water 7 1/2% HCL Water Vater 7 1/2% | 355 s 112% 91', 5 22', 2 34', 3 1d | Exs, circ. Comme © 5686', 6 HCL NE 5494'. (8 s 26', 30', 48' CL NEFE AIR= 25 Acid w/ 1 AIR= 25 Frac w/ 2 AIR= 25 Acid w/ 4 | 2nd s nts Cor 90', 5FE ihots) 3', 52' 4', 46' 24,15 bpm 15,00 bpm 15,00 bpm 15,00 | sig: 380 sxs. TOC by Est. stg: 380 sxs. TOC by Est. mments 5732', 36', 5740'. (2 SPF - 10 s) In 250 G 7 1/2% HCL NEFE ', 5256'. (8 shots) In 250 G 7 ', 48', 50', 52', 54', 3556'. (12 s Comments G treat water + 59,500# 20/ @ 1000#. ISIP 300# G treat water + 32,000# 20/4 @ 2800#. ISIP 1300# OG treat water + 59,500# 20/4 @ 1000#. ISIP 775# G + 12 BS. AIR= 8 bpm @ 30 | hots)::1/2% hots):40 so;300#,;40 sd |
| Casing Surface Cas Production C Other (plu Date 28-Jul-77 Perforation Date 29-Jul-77 30-Jul-77 13-Aug-82 Stimulation Date 29-Jul-77 29-Jul-77 30-Jul-77 01-Aug-77 01-Aug-77 | string casing casing gs, eq 77 75682 5486 5204 3530 Fractul Acid S Fractul Acid S | (ff uip.; etc.) Int Cement Più Int 0 - 5740.0 0 - 5256.0 0 - 3556.0 reatment Type re queeze re | Ope | Amo (s) 25 73 Backs (s) (s) (s) (s) (s) (s) (s) (s) (s) (s | 5682. 5486. 5204. | Cement cir DV @ 4496 (ftKE 5899.0 - 5 895.0 - 5 90.5 HCL @ 33.1 In 10 0 - 5740.0 0 - 5740.0 0 - 5740.0 0 - 5256.0 | C 5. 1st st: 9945.0 945.0 582' (1 SF 250 G 7 486', 88', 204', 16', NEFE 530', 32', 00 G 7 1/2 Flui Water 7 1/2% HCL Water 7 1/2% HCL | 355 s 112% 91', 5 22', 2 34', 3 1d | © 5686', 42', 44°CL NEFE AIR= 25 ACIG W/ AIR= 25 Frac w/ AIR= 25 Frac w/ AIR= 25 ACIG W/ DAIR= 25 | 2nd s nts Cor 90', 5 Fishots) 31', 52' 4', 46 24,15 bpm 1500 bpm 23,65 bpm 23,65 | sig: 380 sxs. TOC by Est. stg: 380 sxs. TOC by Est. mments 5732', 36', 5740'. (2 SPF - 10 s) In 250 G 7 1/2% HCL NEFE '', 5256'. (8 shots) In 250 G 7 Comments G G treat water + 59,500# 20/4 @ 1000#. ISIP 300# G + 15 BS. AIR= 6 bpm @ 18 f. OG treat water + 32,000# 20/4 @ 2800#. ISIP 1300# io G treat water + 59,500# 20/4 @ 1000#. ISIP 775# G + 12 BS. AIR= 8 bpm @ 30 0#. | hots) ://2% :hots) 40 sc 300#, 40 sd |
| Casing Surface Cas Production C Other (plu Date 28-Jul-77 Perforation Date 29-Jul-77 30-Jul-77 13-Aug-82 Stimulation Date 29-Jul-77 29-Jul-77 30-Jul-77 01-Aug-77 01-Aug-77 | string casing casing gs, eq 77 75682 5486 5204 3530 Fractul Acid S Fractul Acid S | (ff uip.; etc.) Int Cement Più Int 0 - 5740.0 0 - 5256.0 0 - 3556.0 reatment Type re queeze re | Sho (/fit 2.0 1.0 S Zon MV (PL MV (MI MV (CF Picture | Amo (s) 25 73 Backs (s) (s) (s) (s) (s) (s) (s) (s) (s) (s | 5682. 5486. 5204. | Cement cir DV @ 4496 (fitke 5899.0 - 5 All ir @ 5. @ 5. HCL @ 3. (int 0 - 5740.0 0 - 5740.0 0 - 5494.0 | C 5. 1st st: 3945.0 682' (1 SF 250 G 7 486', 88', 204', 16', NEFE 530', 32', 00 G 7 1/2'' Water 7 1/2'' HCL Water Water 7 1/2'' HCL Water Water 7 1/2'' HCL Valer | 355 s 1/2% 91', 5 22', 2 | © 5686', 6 HCL NE 6494'. (8 s 26', 30', 48' AIR= 25 Acid w/ 1 did not b Frac w/ 2 AIR= 25 Acid w/ 2 AIR= 25 Acid w/ 2 AIR= 25 Acid w/ 3 AIR= 25 Acid w/ 3 AIR= 25 Acid w/ 4 AIR= 25 Acid w/ 5 Acid w/ 5 AIR= 25 Ac | 2nd s Cor 90', 5 5E inots) 3', 52 4', 46 24,15 bpm 1500 bpm 1500 15,79 | sig: 380 sxs. TOC by Est. stg: 380 sxs. TOC by Est. mments 5732', 36', 5740'. (2 SPF - 10 s) In 250 G 7 1/2% HCL NEFE '', 5256'. (8 shots) In 250 G 7 ' Comments Comments G 100# LSF 300# 20/4 G 100# LSF 300# 20/4 G 2800#. ISIP 1300# O G treat water + 32,000# 20/4 @ 1000#. ISIP 1300# O G treat water + 59,500# 20/4 @ 1000#. ISIP 775# G + 12 BS. AIR= 8 bpm @ 30 00#. 26 G 2% KCL + 69,720# 10/20 | hots) 1/2% hots) 40 sd 40 sd 40 sd |
| Casing Surface Cas Production C Other (plu Date 28-Jul-77 Perforation Date 29-Jul-77 30-Jul-77 13-Aug-82 Stimulation Date 29-Jul-77 29-Jul-77 30-Jul-77 01-Aug-77 01-Aug-77 | string casing casing gs, eq 77 75682 5486 5204 3530 Fractul Acid S Fractul Acid S | (ff uip.; etc.) Int Cement Più Int 0 - 5740.0 0 - 5256.0 0 - 3556.0 reatment Type re queeze re | Ope | Amo (s) 25 73 Backs (s) (s) (s) (s) (s) (s) (s) (s) (s) (s | 5682. 5486. 5204. | Cement cir DV @ 4496 (ftKE 5899.0 - 5 895.0 - 5 90.5 HCL @ 33.1 In 10 0 - 5740.0 0 - 5740.0 0 - 5740.0 0 - 5256.0 | C 5. 1st st: 9945.0 945.0 582' (1 SF 250 G 7 486', 88', 204', 16', NEFE 530', 32', 00 G 7 1/2 Flui Water 7 1/2% HCL Water 7 1/2% HCL | 355 s 1/2% 91', 5 22', 2 | Comme © 5686', 6 HCL NE 6494'. (8 s 66', 30', 48' 6CL NEFE AIR= 25 Acid w/ 1 did not b Frac w/ 2 AIR= 25 Acid w/ 1 ball off @ Frac w/ 2 (used 52 | 2nd s nts Cor 90', E FE hots) 3', 52' 4', 46' 224,15 bpm 1500 all of 15,000 0 30,65 bpm 1500 15,000 15,000 | sig: 380 sxs. TOC by Est. stg: 380 sxs. TOC by Est. mments 5732', 36', 5740'. (2 SPF - 10 s) In 250 G 7 1/2% HCL NEFE '', 5256'. (8 shots) In 250 G 7 Comments G G treat water + 59,500# 20/4 @ 1000#. ISIP 300# G + 15 BS. AIR= 6 bpm @ 18 f. OG treat water + 32,000# 20/4 @ 2800#. ISIP 1300# io G treat water + 59,500# 20/4 @ 1000#. ISIP 775# G + 12 BS. AIR= 8 bpm @ 30 0#. | hots) 1/2% hots) 40 sd 40 sd 40 sd |
| Casing Surface Cas Production C Other (plu Date 28-Jul-77 Perforation Date 29-Jul-77 30-Jul-77 13-Aug-82 Stimulation Date 29-Jul-77 29-Jul-77 30-Jul-77 01-Aug-77 01-Aug-77 | string Casing Casing Gasing Gasing Gasing Gasing Gasing Gasing Gasing Gasing Gasing Fractur Acid S Fractur Fractur Acid S Fractur Fractur Fractur | (ff uip., etc.) Int Cement Pli Int 0 - 5740.0 0 - 5256.0 0 - 3556.0 reatment Type re queeze re queeze | Sho (/fit 2.0 1.0 S Zon MV (PL MV (MI MV (CF Picture | Amo (s) 255 73 Backs Backs | 5682. 5486. 5204. 3530. | Cement cir DV @ 4496 (fitke 5899.0 - 5 All ir @ 5 | C 5. 1st st: 9945.0 9945.0 1250 G 7 486', 88', 204', 16', NEFE 530', 32', 0 G 7 1/2'/ Water 7 1/2'/ HCL Water 7 1/2'/ HCL 70 Q FOAM | 355 s 7 1/2% 917, 5 22', 2 | Exs, circ. Comme © 5686', 6 HCL NE 5494'. (8 s 26', 30', 48 CL NEFE Acid w/ 1 did not b Frac w/ 2 AIR= 25 Frac w/ 2 AIR= 25 Acid w/ 1 ball off © Frac w/ 2 ISIP 145 | 2nd s nts Cor 90', 5 FE ihots) 3', 52' 4', 46' 24,15 15,00 bpm 15,00 | sig: 380 sxs. TOC by Est. stg: 380 sxs. TOC by Est. mments 5732', 36', 5740'. (2 SPF - 10 s) In 250 G 7 1/2% HCL NEFE '', 5256'. (8 shots) In 250 G 7 '', 48', 50', 52', 54', 3556'. (12 s Comments G tomments G tom | hots) ::1/2% hots) :/40 so :/40 sd :/40 sd :/40 sd :/50# |
| Casing Surface Cas Production C Other (plu Date 28-Jul-7 Perforatio Date 29-Jul-77 30-Jul-77 13-Aug-82 Stimulatio Date 29-Jul-77 30-Jul-77 30-Jul-77 13-Aug-77 13-Aug-77 13-Aug-77 13-Aug-82 | string Casing Casing Gasing Ga | (find | Sho (/fit 2.0 1.0 3000.0 Sho (/fit 2.0 1.0 1.0 S Zon MV (PL MV (MI MV (CF MV (CF Picture Cliffs Picture Cliffs | Amo (s) 255 73 Backs Backs | 5682. 5486. 5204. 3530. | Cement cir DV @ 4496 (ftkE 5899.0 - 5 All ir @ 5. @ 5. HCL @ 3 in 10 - 5740.0 0 - 5740.0 0 - 5256.0 0 - 3556.0 | C 5. 1st st: 3945.0 9845.0 9845.0 9845.0 986', 88', 204', 16', NEFE 530', 32', 10' G 7 1/2'/ Water Water Water Water Valer Valer Valer HCL TO Q FOAM T 1/2'/ HCL | 355 s 7 1/2% 917, 5 22', 2 | Exs, circ. Comme © 5686', 6 HCL NE 5494'. (8 s 26', 30', 48 CL NEFE Acid w/ 1 did not b Frac w/ 2 AIR= 25 Frac w/ 2 AIR= 25 Acid w/ 1 ball off © Frac w/ 2 ISIP 145 | 2nd s nts Cor 90', 5 FE inots) 3', 52' 4', 46' 24,15 bpm 15,00 bpm 15,00 bpm 15,00 0,300 15,79 0,300 15,79 0,46 00 00 | sig: 380 sxs. TOC by Est. sig: 380 sxs. TOC by Est. mments 5732', 36', 5740'. (2 SPF - 10 s) In 250 G 7 1/2% HCL NEFE ', 5256'. (8 shots) In 250 G 7 ', 48', 50', 52', 54', 3556'. (12 s Comments G G treat water + 59,500# 20/ @ 1000#. ISIP 300# G + 15 BS. AIR= 6 bpm @ 18 f. 0 G treat water + 32,000# 20/4 @ 2800#. ISIP 1300# 0 G treat water + 59,500# 20/4 @ 1000#. ISIP 775# G + 12 BS. AIR= 8 bpm @ 30 0#. 12 G 2% KCL + 69,720# 10/20 8 SCF N2). AIR= 25 bpm @ 1 | hots) ::1/2% hots) :/40 so :/40 sd :/40 sd :/40 sd :/50# |
| Casing Surface Cas Production C Other (plu Date 28-Jul-7 Perforation Date 29-Jul-77 30-Jul-77 13-Aug-82 Stimulation Date 29-Jul-77 30-Jul-77 30-Jul-77 30-Jul-77 13-Aug-77 13-Aug-77 13-Aug-82 13-Aug-82 Tubing Str | string Casing Casing Gasing Ga | Cement Plu Int 0 - 5740.0 0 - 5491.0 0 - 5256.0 0 - 3556.0 reatment Type re queeze re queeze re queeze | Sho (/fit 2.0 1.0 3000.0 Sho (/fit 2.0 1.0 1.0 S Zon MV (PL MV (MI MV (CF MV (CF Picture Cliffs Picture Cliffs | Amo (s) 255 73 Backs Backs | 5682. 5486. 5204. 3530. | Cement cir DV @ 4496 (ftkE 5899.0 - 5 All ir @ 5. @ 5. HCL @ 3 in 10 - 5740.0 0 - 5740.0 0 - 5256.0 0 - 3556.0 | C 5. 1st st: 3945.0 9845.0 9845.0 9845.0 986', 88', 204', 16', NEFE 530', 32', 10' G 7 1/2'/ Water Water Water Water Valer Valer Valer HCL TO Q FOAM T 1/2'/ HCL | 355 s PF). (1/2% 91', 5 22', 2 34', 3 | Comme Co | 2nd s nts Cor 90', 5 Finots) 15,000 15,000 15,799 11,568 15,000 15,799 11,500 15,000 15,799 11,500 15,799 | sig: 380 sxs. TOC by Est. stg: 380 sxs. TOC by Est. mments 5732', 36', 5740'. (2 SPF - 10 s) In 250 G 7 1/2% HCL NEFE ', 5256'. (8 shots) In 250 G 7 ', 48', 50', 52', 54', 3556'. (12 s Comments G G treat water + 59,500# 20/ @ 1000#. ISIP 300# G + 15 BS. AIR= 6 bpm @ 18 f. IO G treat water + 32,000# 20/ @ 2800#. ISIP 1300# iO G treat water + 59,500# 20/ @ 2800#. ISIP 1300# iO G treat water + 59,500# 20/ @ 1000#. ISIP 775# G + 12 BS. AIR= 8 bpm @ 30 iO#. iO G Tock (CL + 69,720# 10/20) iO S C S 2% KCL + 69,720# 10/20 | hots) 17/2% 140 sc 40 sc 40 sd 40 sd 750# |
| Casing Surface Cas Production C Other (plu Date 28-Jul-7 Perforatio Date 29-Jul-77 13-Aug-82 Stimulatio Date 29-Jul-77 30-Jul-77 01-Aug-77 01-Aug-77 13-Aug-82 13-Aug-82 Tubing Strittem | string Casing Casing Gasing Ga | Cement Plu Int 0 - 5740.0 0 - 5256.0 0 - 3556.0 reatment Type re queeze re queeze re queeze | Sho (/ft 2:00 1:00 1:00 1:00 1:00 1:00 1:00 1:00 | Amo (s) 255 73 Backs Backs | 5682 5486 5204 3530 | Cement cir DV @ 4496 (fitKE 5899.0 - 5 All ir @ 5. @ 5. HCL @ 3. (m 3.) Int 0 - 5740.0 0 - 5740.0 0 - 5256.0 0 - 3556.0 | C 5. 1st st: 3945.0 9845.0 9845.0 9845.0 986', 88', 204', 16', NEFE 530', 32', 10' G 7 1/2'/ Water Water Water Water Valer Valer Valer HCL TO Q FOAM T 1/2'/ HCL | 355 s PF). (1/2% 91', 5 22', 2 34', 3 | Comme © 5686', 6 HCL NE 6494' (8 s 26', 30', 48' CL NEFE Frac w/ AIR= 25 Acid w/ did not b Frac w/ AIR= 25 Frac w/ AIR= 25 Acid w/ Outline Frac w/ (used 52 ISIP 145 BD w/ 16 BD w/ 16 BD w/ 16 BD w/ 16 | 2nd s Cor 90', 5 5 5 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | sig: 380 sxs. TOC by Est. sig: 380 sxs. TOC by Est. mments 5732', 36', 5740'. (2 SPF - 10 s) In 250 G 7 1/2% HCL NEFE ', 5256'. (8 shots) In 250 G 7 ', 48', 50', 52', 54', 3556'. (12 s Comments G G treat water + 59,500# 20/ @ 1000#. ISIP 300# G + 15 BS. AIR= 6 bpm @ 18 f. 0 G treat water + 32,000# 20/4 @ 2800#. ISIP 1300# 0 G treat water + 59,500# 20/4 @ 1000#. ISIP 775# G + 12 BS. AIR= 8 bpm @ 30 0#. 12 G 2% KCL + 69,720# 10/20 8 SCF N2). AIR= 25 bpm @ 1 | hots) 17/2% 140 sc 40 sc 40 sd 40 sd 750# |
| Casing Surface Cas Production C Other (plu Date 28-Jul-7 Perforatio Date 29-Jul-77 30-Jul-77 13-Aug-82 Stimulatio Date 29-Jul-77 30-Jul-77 101-Aug-77 113-Aug-82 113-Aug-82 Tubing Stritem (in) | string Sing Casing Gasing Gasing Gasing Gasing Gasing Gasing Gasing Gasing Gasing Fractur Acid S Fractur Acid S Fractur Acid S Fractur Acid S | (fif uip., etc.) Int Cement Plu Int 0 - 5740.0 0 - 5256.0 0 - 3556.0 reatment: Type re queeze re queeze re queeze re queeze re queeze | Sho (/ft 2:0 1:0 1:0 1:0 1:0 1:0 1:0 1:0 1:0 1:0 1 | Amo (s) 255 73 Backs Backs Since Since | 5682. 5486. 5204. 3530. | Cement cir DV @ 4496 (fitKE 5899.0 - 5 All ir @ 5 @ 5 HCL @ 3 in 10 0 - 5740.0 0 - 5740.0 0 - 5256.0 0 - 3556.0 0 - 3556.0 | C 5. 1st st: (9) 1945.0 (6) 250 G 7 486', 88', 204', 16', NEFE 530', 32', 10 G 7 1/2'' Water 7 1/2'' HCL Water 7 1/2'' HCL 70 Q FOAM 7 1/2'' HCL Wt | 355 s PF). (1/2% 917, 5 22, 2 34, 3 | Comme Comme © 5686', HCL NE 494'. (8 s 26', 30', 48 Acid w/ 1 did not b Frac w/ 2 AIR= 25 Acid w/ 1 ball off © Frac w/ 2 ISIP 145 BD w/ 15 100% ba | 24,15 bpm 15,00 24,15 15,00 24,15 15,00 23,65 15,00 23,65 15,00 23,65 23,65 23,65 23,65 23,65 23,65 30,00 30 | sig: 380 sxs. TOC by Est. stg: 380 sxs. TOC by Est. mments 5732', 36', 5740'. (2 SPF - 10's) in 250 G 7 1/2% HCL NEFE '', 5256'. (8 shots) in 250 G 7' '', 48', 50', 52', 54', 3556'. (12's) Comments G treat water + 59,500# 20/4 G 1000#. ISIP 1300# 00 G treat water + 32,000# 20/4 @ 1000#. ISIP 1300# 00 G treat water + 59,500# 20/4 @ 1000#. ISIP 775# G + 12 BS. AIR= 8 bpm @ 30 00#. 25 G 2% KCL + 69,720# 10/20' 8 SCF N2). AIR= 25 bpm @ 1 | hots) 17/2% 140 sc 40 sc 40 sd 40 sd 750# |
| Casing Surface Cas Production C Other (plu Date 28-Jul-7 Perforatio Date 29-Jul-77 13-Aug-82 Stimulatio Date 29-Jul-77 30-Jul-77 01-Aug-77 01-Aug-77 13-Aug-82 13-Aug-82 Tubing Strittem | string casing casing gs, eq 77 ns 5682 5486 5204 3530 Fractul Acid S Fractul Acid S Fractul Acid S Fractul Acid S | Cement Plu Int 0 - 5740.0 0 - 5256.0 0 - 3556.0 reatment Type re queeze re queeze re queeze | Sho (/ft 2:00 1:00 1:00 1:00 1:00 1:00 1:00 1:00 | Amo (s) 255 73 Backs Backs D D D D D D D D D D D D D D D D D D | 5682 5486 5204 3530 | Cement cir DV @ 4496 (fitKE 5899.0 - 5 All ir @ 5. @ 5. HCL @ 3. (m 3.) Int 0 - 5740.0 0 - 5740.0 0 - 5256.0 0 - 3556.0 | C 5. 1st st: 3945.0 9845.0 9845.0 9845.0 986', 88', 204', 16', NEFE 530', 32', 10' G 7 1/2'/ Water Water Vater | 355 s 1/2% 91', 5 22', 2 | Exs, circ. Comme © 5686', 6 HCL NE 5494', (8 s 26', 30', 48' CL NEFE Frac w/ 2 AIR= 25 Acid w/ 1 did not b Frac w/ 2 AIR= 25 Acid w/ 1 ball off © Frac w/ 2 ISIP 145 BD w/ 18 100% ba | 2nd s nts Cor 90', 5 FE inots) 3', 52' 4', 46' 24,15 bpm 1500 15,700 15,700 15,700 15,000 15,700 15,700 15,700 16,700 16,700 16,700 17,568 17,568 18,500 18,700 18 | sig: 380 sxs. TOC by Est. stg: 380 sxs. TOC by Est. mments 5732', 36', 5740'. (2 SPF - 10's) in 250 G 7 1/2% HCL NEFE '', 5256'. (8 shots) in 250 G 7' '', 48', 50', 52', 54', 3556'. (12's) Comments G treat water + 59,500# 20/4 G 1000#. ISIP 1300# 00 G treat water + 32,000# 20/4 @ 1000#. ISIP 1300# 00 G treat water + 59,500# 20/4 @ 1000#. ISIP 775# G + 12 BS. AIR= 8 bpm @ 30 00#. 25 G 2% KCL + 69,720# 10/20' 8 SCF N2). AIR= 25 bpm @ 1 | inots, ::172% :hots) :40 sd :40 sd :40 sd :40 sd :750# |

AXI APACHE K 5A (LFW 9/16/97)

| item (in) | | Top (ftKB) | Len (ft) | Jnts | (in) | Wt | Grd | Thd | Comments |
|---|--|--|--|---|--|--|--|------------------------|---|
| 6614 in P∈ Sub | erf | 3546.0 | 5.0 | | 1.3780 | 2.33 | IJ | 10rd | Land @ 3551' |
| | rina - | Tubina (N | IV) | | L | | H Charles | A | |
| tem | • | Top | Len | Jnts | ID | Wt | Grd | Thd | Comments |
| (in) | | (ftKB) | (ft) | | (in) | | | | |
| 2.0630 in Tu | | 0.0 | 3528.0 | 107 | 1.7520 | 3.25 | IJ | 10rd | |
| 2.0630 in BI | ast Jt | 3528.0 | 30.0 | | 1.7520 | 0.00 | IJ | 10rd | |
| 2.0630 in Tu | | 3558.0 | 442.0 | 11 | 1.7520 | 3.25 | IJ | 10rd | |
| 5.5000 in Pa | | 4000.0 | 5.0 | | 3.0000 | 0.00 | IJ | 10rd | Baker Model SB-1 Perm |
| 2.0630 in Tu | | 4005.0 | 1404.0 | 41 | 1.7520 | 3.25 | IJ | 10rd | |
| 2.0630 in Se Nipple | • | 5409.0 | 1.0 | | 1.4500 | 0.00 | IJ | 10rd | Model "F" with pump out check |
| 2.0630 in Tu | ubing | 5410.0 | 40.0 | 1 | | 3.25 | IJ | 10rd | Land @ 5450' |
| | | | 40.000.000.0000.00000 | 04124003462-0400-040-040 | 5.65 6.7 6.8 5. Company of the Compa | 6 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - | | | |
| Completic | ns & | workover | S ∃Reason f | | | | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 | 300 POP (1990) | |
| Completic Date 12-Aug-82 | Reas Wor | workover son for kover MV/PC | Reason i Failure Add Perforation | for S | Summary OHC MV/PC 899', Run lo | - POOH v | | | |
| Date 12-Aug-82 | Reas Wor DHC | son for kover MV/PC | Reason i Failure Add Perforation | for S ons 5 | OHC MV/PC 899', Run lo S Dual Strin | - POOH v gs, Perf a g MV/PC. | v/ prod tb md Stim F | g, RIH an PC, C/O v | d tag Fill @ 5724' (175' Fill), C/O to // N2 to PBTD. RIH w/ tbg, complete |
| Date 12-Aug-82 Formation T | Reas Wor DHC | son for kover MV/PC | Reason i Failure Add Perforation | for S ons 5 | OHC MV/PC 899', Run lo S Dual Strin | - POOH v gs, Perf a g MV/PC. | v/ prod tb md Stim F | g, RIH an PC, C/O v | d tag Fill @ 5724' (175' Fill), C/O to // N2 to PBTD. RIH w/ tbg, complete |
| Date 12-Aug-82 Formation T | Reas Work DHC oHC op KB) | son for kover MV/PC zon Tops | Reason i Failure Add Perforatio | for S ons 5 | OHC MV/PC 899', Run lo S Dual Strin | - POOH v gs, Perf a g MV/PC. | v/ prod tb md Stim F | g, RIH an PC, C/O v | d tag Fill @ 5724' (175' Fill), C/O to // N2 to PBTD. RIH w/ tbg, complete |
| Date 12-Aug-82 Formation T | Reas Work DHC oHC (A/Horiz op (KB) | son for kover MV/PC zon Tops | Reason i Failure Add Perforation | for S ons 5 | OHC MV/PC 899', Run lo S Dual Strin | - POOH v gs, Perf a g MV/PC. | v/ prod tb md Stim F | g, RIH an PC, C/O v | d tag Fill @ 5724' (175' Fill), C/O to // N2 to PBTD. RIH w/ tbg, complete |
| Date 12-Aug-82 Formation T | Reas Wor DHC op KB) | son for kover MV/PC zon Tops 3220.0 Kirtl 3530.0 Pict | Reason in Failure Add Perforation and ured Cliffs | for S ons 5 | OHC MV/PC 899', Run lo S Dual Strin | - POOH v gs, Perf a g MV/PC. | v/ prod tb md Stim F | g, RIH an PC, C/O v | d tag Fill @ 5724' (175' Fill), C/O to // N2 to PBTD. RIH w/ tbg, complete |
| Date 12-Aug-82 Formation T | Reas Wor DHC a/Horiz op KB) | son for kover MV/PC zon Tops 3220.0 Kirtl 3530.0 Pict 5140.0 Cliff | Reason failure Add Perforation and ured Cliffs House | for S ons 5 | OHC MV/PC 899', Run lo S Dual Strin | - POOH v gs, Perf a g MV/PC. | v/ prod tb md Stim F | g, RIH an PC, C/O v | d tag Fill @ 5724' (175' Fill), C/O to // N2 to PBTD. RIH w/ tbg, complete |
| Date 12-Aug-82 Formation T | Reas Wor DHC | son for kover MV/PC zon Tops 3220.0 Kirtl 3530.0 Pict 5140.0 Cliff 5454.0 Mer | Reason i Failure Add Perforation and ured Cliffs Thouse nefee | for S ons 5 | OHC MV/PC 899', Run lo S Dual Strin | - POOH v gs, Perf a g MV/PC. | v/ prod tb md Stim F | g, RIH an PC, C/O v | d tag Fill @ 5724' (175' Fill), C/O to // N2 to PBTD. RIH w/ tbg, complete |
| Date 12-Aug-82 Formation T (ft) | Reas Word DHC n/Horiz op KB) | son for kover MV/PC zon Tops 3220.0 Kirtl 3530.0 Pict 5140.0 Cliff 5454.0 Mer 5650.0 Poir | Reason in Failure Add Perforation and ured Cliffs House inefee in Lookout | for S | OHC MV/PC 899', Run lo is Dual Strin | gs, Perf al g MV/PC. | w/ prod tb md Stim F Formatic | g, RIH an PC, C/O v | d tag Fill @ 5724' (175' Fill), C/O to // N2 to PBTD. RIH w/ tbg, complete |
| Date 12-Aug-82 Formation T (ft) | Reas Word DHC n/Horiz op KB) | son for kover MV/PC zon Tops 3220.0 Kirtl 3530.0 Pict 5454.0 Mer 5650.0 Poir | Reason frailure Add Perforation and ured Cliffs House nefee it Lookout | ons 5 | OHC MV/PC 899', Run lo is Dual Strin | gs, Perf and MV/PC. | w/ prod tb md Stim F Formatic | g, RIH an PC, C/O v | d tag Fill @ 5724' (175' Fill), C/O to // N2 to PBTD. RIH w/ tbg, complete |
| Date 12-Aug-82 Formation T (ft) Logs Run Date | Reas Worl DHC | son for kover MV/PC zon Tops 3220.0 Kirtl 3530.0 Pict 5140.0 Cliff 5454.0 Mer 5650.0 Poir | Reason failure Add Perforation and ured Cliffs House lefee ht Lookout | ons 5 | OHC MV/PC 899', Run lo is Dual Strin | gs, Perf al g MV/PC. | w/ prod tb md Stim F Formatic | g, RIH an PC, C/O v | d tag Fill @ 5724' (175' Fill), C/O to // N2 to PBTD. RIH w/ tbg, complete |
| Date 12-Aug-82 Formation T (ft) Logs Run Date 16-Jul-77 | Reas Word DHC of N/Horiz op KB) | son for kover : MV/PC : MV/PC : Son Tops : 3220.0 Kirtl : 3530.0 Pict : 5140.0 Cliff : 5454.0 Mer : 5650.0 Poin : Type | Add Perforation and ured Cliffs House lefee at Lookout 495.0 | ons 5 a a a a a a a a a a a a a a a a a a a | OHC MV/PC 899', Run lo s Dual Strin | gs, Perf al g MV/PC. | w/ prod tb md Stim F Formatic | g, RIH an PC, C/O v | d tag Fill @ 5724' (175' Fill), C/O to // N2 to PBTD. RIH w/ tbg, complete |
| Date 12-Aug-82 Formation T (ft) Logs Run Date 16-Jul-77 | Reas Word DHC op KB) | son for kover MV/PC zon Tops 3220.0 Kirtl 3530.0 Pict 5140.0 Cliff 5454.0 Mer 5650.0 Poir Type NEU | Add Perforation and ured Cliffs House nefee at Lookout 495.0 3000.0 | ons 5 a int - 5953.0 | Comp Schlumbe | gs, Perf al g MV/PC. | w/ prod tb md Stim F Formatic | g, RIH an PC, C/O v | d tag Fill @ 5724' (175' Fill), C/O to // N2 to PBTD. RIH w/ tbg, complete |
| Date 12-Aug-82 Formation T (ft) Logs Run Date 16-Jul-77 28-Jul-77 | Reas Worl DHC op KB) | son for kover Kover Service Se | Add Perforation and ured Cliffs House nefee of Lookout 495.0 3000.0 400.0 | Int - 5955.0 - 5904.0 | Comp Schlumbe Welex | gs, Perf al g MV/PC. | w/ prod tb md Stim F Formatic | g. RIH an PC, C/O v | d tag Fill @ 5724' (175' Fill), C/O to // N2 to PBTD. RIH w/ tbg, complete Comments |
| Date 12-Aug-82 Formation T (ft) Logs Run Date 16-Jul-77 16-Jul-77 28-Jul-77 | Reas Worl DHC op KB) | son for kover Kover Service Se | Add Perforation and ured Cliffs House nefee of Lookout 495.0 3000.0 400.0 | Int - 5955.0 - 5904.0 | Comp Schlumbe Welex | gs, Perf al g MV/PC. | w/ prod tb md Stim F Formatic | g. RIH an PC, C/O v | d tag Fill @ 5724' (175' Fill), C/O to // N2 to PBTD. RIH w/ tbg, complete |

UNITED STATES

SUBMIT IN DUPLICATE.

Form approved. Budget Bureau No. 42-R355.5.

DEPARTMENT OF THE INTERIOR

(See other instructions on

| | <i>D L</i> . | GEOLOGIC | AL SURVEY | | reverse | Contro | ct 151 |
|--|-------------------|-------------------------------|-------------------------------|--|----------------------|--------------------------|-----------------------------------|
| WELL CON | MPLETION | OR RECO | MPLETION I | REPORT A | ND LOG | * 6. IF INDIAN, ALL | OTTEE OR TRIBE NAME |
| 1a. TYPE OF WELL | | 7. UNIT AGREEMEN | a Hoache | | | | |
| b. TYPE OF COMP | | EP- PLUG BACK | DIFF. ESVR. | Other Do | 1a/ | S. FARM OR LEASE | NAME |
| 2. NAME OF OPERATO | | | | | · · · | AXTA | nache K |
| CONOCO IN | | | | <u> </u> | * : | 9. WELL NO. | |
| P. O. Box 460, Hobbs, N.M. 88240 | | | | | | | DL, OR WILDCAT |
| 4. LOCATION OF WELL At surface /050 | | Picture 11. SEC., T., R., M., | ed Cliffs OR BLOCK AND SURVEY | | | | |
| At top prod. inte | • | OR AREA | | | | | |
| At total depth | ~ | | | SEP 2 | | Sec In T- | 261, R-5W |
| · | | | 14. PERMIT NO | U. S. GEOLOG FARMINGT | OR ISSUED | PARISH | |
| 15. DATE SPUDDED | 16. DATE T.D. | REACHED 17. DAT | E COMPL. (Ready t | | | , BKB, RT, CR, ETC.) 19. | ELEV. CASINGHEAD |
| 7-7-77 | 7-14 | ~77 | 8-15-82 | | 6892 | GR | NA |
| 20. TOTAL DEPTH, MD & | 1 | UG, BACK T.D., MD & | How M | | 23. INTER | RVALS ROTARY TOOLS | CABLE TOOLS |
| 5960' 24. PRODUCING INTER | VAL(S), OF THIS | S COMPLETION—TO | P, BOTTOM, NAME (| MD AND TVD) | <u> </u> | | 5. WAS DIRECTIONAL SURVEY MADE |
| 3530'-3. | 556' Pic | tured Clift | £ . | · · · · · · · · · · · · · · · · · · · | ₹ | | Yes |
| 26. TYPE ELECTRIC A: | | | | | | 27. | VAS WELL CORED |
| (TK CH2 28. | - CNL | | ING RECORD (Rep | oort all strings s | et in well) | | NO |
| CASING SIZE | WEIGHT, LB. | | | LE SIZE | | ENTING RECORD | AMOUNT PULLED |
| | | | | <i></i> | | | |
| · · · · · · · · · · · · · · · · · · · | | | 0 C1 | range | | | |
| 29. | | LINER RECORD | | | 30. | TURING RECORD | 1 |
| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | — I — — — | DEPTH SET (MD) | PACKER SET (MD) |
| | | NONE | | | - NO | _ change | 4000' |
| 31. PERFORATION RECO | ORD (Interval, s | | <u> </u> | 32. | <u>· 1</u> | FRACTURE, CEMENT SQU | FEZE ETC |
| 3530;32,34,36,42,44,46,48,50! | | | | DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED | | | |
| 54 3556 11 1505 | | | | | | 36 60 15 % NE | FE-HCL Frac |
| | | | | 3530-3556 W/20 quality form forped 376bbls of | | | |
| | | | | | | ZA XCC WATC, 69, | 120# 10/20 Sd. |
| 33. • DATE FIRST PRODUCTION | ON I PROF | UCTION METHOD (| PROI Flowing, gas lift, p | DUCTION | id tune of num | | |
| 8-23-82 | | E/Ohim | | umping—size un | ia type of pum | shut-in | S (Producing or |
| DATE OF TEST | HOURS TESTED | CHOKE SIZE | PROD'N. FOR | OIL-BBL. | GAS-MCI | | GAS-OIL RATIO |
| 8-23-82 | CASING PRESSU | NA | | <u> </u> | 1 223 | | |
| NA | NA | 24-HOUR BAT | | CAS—MC | 233 | WATER—BBL. OIL | RAVITY-API (CORR.) |
| 34. DISPOSITION OF GA | is (Sold, used fo | r fuel, vented, etc. |) | | | TEST WITNESSED | T . |
| 35. LIST OF ATTACHMENTS | | | | | | ACCEPTE | FOR RECORD |
| A det | ailed 5 | undy N | otice wil | 1) tollon | | | |
| 7 | may the toregon | and attached i | 71 | dete and correct | | from all available SEP | 27 1982 |
| SIGNED W | -KK- YU | uning | TITLE _ | dministrative Su | pervisor . | DATE | CTOM DISTANCY |
| *(See Instructions and Spaces for Additional Data on Reverse Side) | | | | | | | |